GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (°F)	Initial Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-01	04/08/13	1.2	73.9	0	24.9	140	-0.2	N	
GIW-01	04/09/13	1.7	75.2	0	23.1	160	0	Y	
GIW-01	04/10/13	1.6	74.4	0.2	23.8	165	-1.1	Y	
GIW-01	04/11/13	1.7	73.7	0.1	24.5	155	0.9	Y	
GIW-01	04/12/13	1.9	73.3	0.2	24.6	160	-1.3	Y	
GIW-01	04/13/13	1.9	74.3	0.4	23.4	160	1.6	Y	
GIW-01	04/14/13	1.9	75.9	0.2	22	160	-2.3	Y	
GIW-01	04/15/13	2	74.5	0.2	23.3	165	1.6	Y	
GIW-01	04/16/13	2.1	73.2	0.3	24.4	165	-1.8	Y	
GIW-01	04/17/13	2.1	74.4	0.3	23.2	160	-1	Y	
GIW-01	04/18/13	2.1	76.3	0.2	21.4	165	-2	Y	
GIW-01	04/19/13	2.1	71.9	0.6	25.4	165	-2.9	Y	
GIW-01	04/20/13	2.1	74.2	0.3	23.4	170	-1	Y	
GIW-01	04/21/13	2.1	73.1	0.8	24	170	-2.8	Y	
GIW-01	04/22/13	2.1	75.2	0.2	22.5	172	-3	Y	
GIW-01	04/23/13	2.1	72.5	0.6	24.8	170	-2.1	Y	
GIW-01	04/24/13	1.9	72.2	0	25.9	160	-4.6	Y	
GIW-01	04/25/13	2.1	70.7	0	27.2	170	-3.1	Y	
GIW-01	04/26/13	1.9	73.2	0.5	24.4	168	-4.3	Y	
GIW-01	04/27/13	2	73.4	1	23.6	170	-4.4	Y	
GIW-01	04/28/13	1.9	74.3	0.4	23.4	165	-4.7	Y	
GIW-01	04/29/13	1.8	76.8	0.1	21.3	170	-4.3	Y	
GIW-01	04/30/13	1.6	77.1	0.6	20.7	170	-4.2	Y	
GIW-01	05/01/13	1.6	77.3	0	21.1	170	-4	Y	
GIW-01	05/02/13	1.8	75.3	0.2	22.7	170	-4.4	Y	
GIW-01	05/03/13	2	71.1	0.3	26.6	165	-4.3	Y	
GIW-01	05/04/13	1.8	71.5	0.4	26.3	168	-4	Y	
GIW-01	05/05/13	1.7	74.6	0.3	23.4	155	-4.6	Y	Begin using fluke temp meter
GIW-01	05/06/13	1.8	74.8	0	23.4	172	-4.5	Y	
GIW-01	05/07/13	1.6	74.2	0.3	23.9	173	-4.4	Y	
GIW-01	05/08/13	1.7	73.8	0.3	24.2	173	-4.4	Y	
GIW-01	05/09/13	1.8	76	0	22.2	172	-3	Y	
GIW-01	05/10/13	1.7	76	0	22.3	171	-4.1	Y	
GIW-01	05/11/13	2.1	75.2	0	22.7	171	-4.4	Y	
GIW-01	05/12/13	1.8	75.2	0.1	22.9	172	-4.2	Y	
GIW-01	05/13/13	1.7	76.1	0	22.2	173	-4.1	Y	
GIW-01	05/14/13	1.7	75.6	0	22.7	173	-4.3	Y	Replaced 1-inch rod seal
GIW-01	05/15/13	1.6	75.3	0	23.1	172	-4.2	Y	Installed check valve
GIW-01	05/16/13	1.8	74	0	24.2	174	-4.9	Y	
GIW-01	05/17/13	1.7	75.4	0	22.9	172	-4.4	Y	
GIW-01	05/18/13	1.8	74.2	0.2	23.8	178	-4	Y	
GIW-01	05/19/13	1.7	77	0	21.3	175	-3	Y	
GIW-01	05/20/13	1.8	74.5	0.1	23.6	172	-4	Y	
GIW-01	05/21/13	1.8	73.8	0.2	24.2	172	-4.8	Y	
GIW-01	05/22/13	2.1	73.5	0.2	24.2	176	-3.7	Y	
GIW-01	05/23/13	1.9	74.4	0	23.7	176	-5.2	Y	
GIW-01	05/24/13	2	73.6	0.6	23.8	178	-4.2	Y	
GIW-01	05/25/13	1.9	75.3	0.2	22.6	177	-3.9	Y	
GIW-01	05/26/13	1.9	75.1	0.4	22.6	172	-4.2	Y	
GIW-01	05/27/13	2.3	75.1	0.2	22.4	171	-3.1	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (°F)	Initial Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-01	05/28/13	3.8	74	0.5	21.7	174	-3.3	Y	
GIW-01	05/29/13	1.9	73.5	0.1	24.5	174	-2.8	Y	Vacuum low, working on header
GIW-01	05/30/13	2	74.1	0.2	23.7	178	-3.8	Y	
GIW-01	05/31/13	2.1	75.2	0	22.7	176	-3.7	Y	
GIW-01	06/01/13	1.9	74.7	0	23.4	171	-3.2	Y	
GIW-01	06/02/13	2.1	75.5	0	22.4	179	-4	Y	
GIW-01	06/03/13	2	75.6	0	22.4	179	-2.5	Y	Working on available vac issue
GIW-01	06/04/13	2.2	75.3	0.1	22.4	176	-1	Y	Working on available vac issue
GIW-01	06/05/13	3.5	73.5	0.6	22.4	177	-1.2	Y	Working on available vac issue
GIW-01	06/06/13	5.1	73.2	0.6	21.1	173	-2.6	Y	Working on available vac issue
GIW-01	06/07/13	2.2	69.9	0.3	27.6	176	-2.4	Y	Working on available vac issue
GIW-01	06/08/13	2.2	70.7	0.1	27	178	-0.8	Y	Sag main header, jumper installed late 6-8
GIW-01	06/09/13	3.5	71.5	0.4	24.6	179	-3.7	Y	Vacuum restored
GIW-01	06/10/13	2.1	72.8	0.3	24.8	178	-5.3	Y	
GIW-01	06/11/13	2	72.1	0.3	25.6	178	-4	Y	
GIW-01	06/12/13	2.5	70.5	0	27	181	-3.9	Y	
GIW-01	06/13/13	4.2	73.4	0	22.4	180	-4.6	Y	
GIW-01	06/14/13	2.7	70.7	0.4	26.2	179	-4.8	Y	
GIW-01	06/15/13	2.3	71.1	0.2	26.4	180	-4.8	Y	
GIW-01	06/16/13	1.7	72	0.1	26.2	174	-2.9	Y	Blown seal, replaced pump head
GIW-01	06/17/13	2	71.7	0.5	25.8	174	-4.3	Y	
GIW-01	06/18/13	1.8	73.1	0.1	25	178	-4.1	Y	
GIW-01	06/19/13	1.7	73.7	0.5	24.1	181	-4	Y	
GIW-01	06/20/13	1.4	78.5	0.7	19.4	179	-4.4	Y	
GIW-01	06/21/13	2	73	0.2	24.8	180	-4	Y	
GIW-01	06/22/13	1.8	72.2	0.3	25.7	178	-4.1	Y	
GIW-01	06/23/13	2.6	70.1	0.2	27.1	178	-4	Y	
GIW-01	06/24/13	1.7	69.9	0.9	27.5	179	-4.2	Y	
GIW-01	06/25/13	4.7	70.8	0.8	23.7	179	-4.1	Y	
GIW-01	06/26/13	5.2	71.8	0.6	22.4	180	-4	Y	
GIW-01	06/27/13	2	64.8	1.4	31.8	178	-5.4	Y	
GIW-01	06/28/13	2.9	72	0.4	24.7	179	-4	Y	
GIW-01	06/29/13	2.2	69.2	0.4	28.2	180	-4.7	Y	
GIW-01	06/30/13	2.2	71.8	0.4	25.6	181	-4.7	Y	
GIW-01	07/01/13	2.1	69.7	0.8	27.4	179	-3.9	Y	
GIW-01	07/02/13	2.1	71.9	0.2	25.8	180	-4.7	Y	
GIW-01	07/03/13	2.3	70.9	0	26.8	180	-4	Y	Replaced 1-inch rod seal
GIW-01	07/04/13	3.4	66.7	0.7	29.2	182	-4	Y	
GIW-01	07/05/13	2.6	67	0.2	30.2	181	-4	Y	
GIW-01	07/06/13	3	72.1	0	24.9	181	-4.1	Y	
GIW-01	07/07/13	3.1	72	0.1	24.8	182	-4	Y	
GIW-01	07/08/13	2.6	73.4	0.6	23.4	182	-4	Y	
GIW-01	07/09/13	2.1	71.6	0.4	25.9	183	-3.9	Y	
GIW-01	07/10/13	2.6	72.8	0.4	24.2	179	-4.6	Y	
GIW-01	07/11/13	3.3	67.9	0.9	27.9	181	-3.9	N	Replaced 1-inch rod seal, pump operating
GIW-01	07/12/13	2.1	71.9	0	26	184	-4	Y	
GIW-01	07/13/13	4.5	76.3	0	19.2	183	-4.2	Y	
GIW-01	07/14/13	2.3	70.1	0	27.6	184	-4.1	N	Repl. rod seals & 4-way valve, operating
GIW-01	07/15/13	2.1	68.4	0.3	29.2	187	-4.2	Y	
GIW-01	07/17/13	2.1	74.6	0.1	23.2	187	-4.9	Y	Collected 1 min after midnight

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (°F)	Initial Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-01	07/17/13	2.3	74.6	0.4	22.7	186	-3	Y	
GIW-01	07/18/13	2.1	72.6	0	25.3	185	-3.1	Y	
GIW-01	07/19/13	2.3	73.4	0.2	24.1	185	-3	Y	
GIW-01	07/20/13	2.3	75.5	0.4	21.8	186	-2.1	Y	
GIW-01	07/21/13	2.4	73.9	0	23.7	185	-3.5	Y	
GIW-01	07/22/13	2.1	72.6	0.3	25	187	-3.4	Y	
GIW-01	07/23/13	2.2	74.2	0	23.6	186	-4.5	Y	
GIW-01	07/24/13	4.2	70.2	0.5	25.1	186	-4.5	Y	
GIW-01	07/25/13	2.8	73.3	0.4	23.5	187	-3.1	Y	
GIW-01	07/26/13	3.8	72.5	0.6	23.1	186	-1.9	Y	
GIW-01	07/27/13	2.5	70.9	0	26.6	185	-2.3	Y	
GIW-01	07/28/13	3.1	71.1	0.3	25.5	186	-2.6	Y	
GIW-01	07/29/13	2.5	72.6	0.1	24.8	186	-2	Y	
GIW-01	07/30/13	3.4	69.2	0.1	27.3	186	-3.2	Y	
GIW-01	07/31/13	2.5	70.7	0.3	26.5	186	-1.9	Y	
GIW-01	08/01/13	2.5	74.3	0	23.2	187	-1.8	Y	
GIW-01	08/02/13	2.5	73.6	0	23.9	187	-2.3	Y	
GIW-01	08/03/13	3.6	72.5	0.3	23.6	187	-2.6	Y	
GIW-01	08/04/13	2.9	74.7	0.1	22.3	186	-2.4	Y	
GIW-01	08/05/13	2.6	73.5	0.2	23.7	186	-2.1	Y	
GIW-01	08/06/13	2.5	73.1	0.2	24.2	139	-2.1	Y	Possible temperature error
GIW-01	08/07/13	2	72.8	0	25.2	182	-3.8	Y	
GIW-01	08/08/13	5.5	71.7	0.3	22.5	183	-4.4	Y	
GIW-01	08/09/13	1.7	73.3	0.5	24.5	183	-4.4	Y	
GIW-01	08/10/13	3.6	71.8	0.4	24.2	185	-4.8	Y	
GIW-01	08/11/13	1.4	71.6	0.8	26.2	186	-4.8	Y	
GIW-01	08/12/13	2.3	71.4	0.8	25.5	184	-4.2	Y	
GIW-01	08/13/13	1.3	70.9	0.8	27	183	-4.8	Y	
GIW-01	08/14/13	1.5	69.7	0.5	28.3	183	-5	Y	
GIW-01	08/15/13	1.4	72.7	0.3	25.6	184	-4.6	Y	
GIW-01	08/16/13	1.5	72.7	0.2	25.6	184	-4.4	Y	
GIW-01	08/17/13	1.4	71.2	0.3	27.1	184	-4.8	Y	
GIW-01	08/18/13	1.6	73.2	0.2	25	181	-4.7	Y	
GIW-01	08/19/13	1.5	73.2	0.2	25.1	184	-5	Y	
GIW-01	08/20/13	2	66	0	32	185	-4.6	Y	
GIW-01	08/21/13	2.5	73.8	0	23.7	184	-4.2	Y	
GIW-01	08/22/13	2.2	73.1	0	24.7	183	-3.9	Y	
GIW-01	08/23/13	1.2	74.3	0	24.5	185	-4	N	Replaced 1" rod seal - pump operational
GIW-01	08/24/13	2.2	74.9	0.4	22.5	184	-3.1	Y	
GIW-01	08/25/13	1.1	74.4	0.3	24.2	181	-4.5	Y	
GIW-01	08/26/13	1.4	74.1	0	24.5	184	-4.4	Y	
GIW-01	08/27/13	1	74.6	0	24.4	181	-4.7	Y	
GIW-01	08/28/13	4.2	74.7	0	21.1	191	-2.9	Y	
GIW-01	08/29/13	1.1	75.3	0.2	23.4	183	-4	Y	
GIW-01	08/30/13	1.1	73.9	0.5	24.5	183	-3.9	Y	
GIW-01	08/31/13	1.1	72.4	0.3	26.2	182	-3.9	Y	
GIW-01	09/01/13	1.1	72.7	0.5	26.7	182	-3.6	Y	
GIW-01	09/02/13	1.1	75.3	0.4	23.2	182	-4	N	Replaced 4 way valve - pump operational
GIW-01	09/03/13	3.9	72.5	0.6	23	186	-4	Y	
GIW-01	09/04/13	1.5	73.5	0.1	24.9	183	-3.5	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (°F)	Initial Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-01	09/05/13	2	78.3	0.3	19.4	185	-4	Y	
GIW-01	09/06/13	1	81.9	0	17.1	184	-2.7	Y	
GIW-01	09/07/13	1.1	78.6	0.2	20.1	182	-3.6	Y	
GIW-01	09/08/13	1	78.7	0.3	20	185	-3.1	Y	
GIW-01	09/09/13	1.1	79.1	0	19.8	183	-2.7	Y	
GIW-01	09/10/13	0.9	83.2	0.4	15.5	180	-3.7	Y	
GIW-01	09/11/13	1	83.8	0	15.2	185	-3.2	Y	
GIW-01	09/12/13	1.3	80.9	0.3	17.5	180	-4.9	Y	
GIW-01	09/13/13	1.1	82.5	0.3	16.1	181	-2.7	Y	
GIW-01	09/14/13	0.8	78.3	1.3	19.6	185	-4.4	Y	
GIW-01	09/15/13	1.1	82.5	0.3	16.1	182	-3.9	Y	
GIW-01	09/16/13	1.1	76.8	0.3	21.8	182	-3.1	Y	
GIW-01	09/17/13	1	75.2	0.2	23.6	185	-2.8	Y	
GIW-01	09/18/13	1	76	0.1	22.9	185	-2.6	Y	
GIW-01	09/19/13	1.1	75.6	0	23.3	183	-2.7	Y	
GIW-01	09/20/13	1.1	82.9	0.2	15.8	185	-3	Y	
GIW-01	09/21/13	1.1	76.7	0.1	22.1	185	-2.5	Y	
GIW-01	09/22/13	1.1	83	0.3	15.6	184	-2.6	Y	
GIW-01	09/23/13	1.3	83.1	0	15.6	184	-3.2	Y	
GIW-01	09/25/13	1.5	85.3	0	13.2	187	-4.7	Y	
GIW-01	09/26/13	1.7	82.9	0	15.4	188	-3	Y	
GIW-01	09/27/13	1.4	76.2	0	22.4	188	-2.1	Y	
GIW-01	09/28/13	1.4	77.4	0	21.2	186	-4.9	Y	
GIW-01	09/29/13	1.5	76.1	0	22.4	187	-4.6	Y	
GIW-01	09/30/13	1.3	75.1	0	23.6	188	-3.4	Y	
GIW-01	10/01/13	1.3	77.9	0	20.8	185	-3.7	Y	
GIW-01	10/02/13	1.8	72	0	26.2	189	-2.3	Y	
GIW-01	10/03/13	1.6	78.9	0	19.5	187	-4.2	Y	
GIW-01	10/04/13	1.4	76.5	0	22.1	185	-4.2	Y	
GIW-01	10/05/13	1.5	84.1	0	14.4	186	-5.1	Y	
GIW-01	10/06/13	1.3	81.8	0	16.9	184	-5.5	Y	
GIW-01	10/07/13	1.5	83.7	0	14.8	186	-3.3	Y	
GIW-01	10/08/13	1.9	85.7	0	12.4	187	-1.5	Y	
GIW-01	10/09/13	1.4	84.3	0	14.3	187	-2.2	Y	
GIW-01	10/10/13	1.6	84.9	0	13.5	188	-2.1	Y	
GIW-01	10/11/13	1.5	84.4	0	14.1	186	-2.3	Y	
GIW-01	10/12/13	1.5	85	0	13.5	187	-4.6	Y	
GIW-01	10/13/13	1.3	84.5	0	14.2	187	-2.8	Y	
GIW-01	10/14/13	1.4	77.9	0	20.7	186	-1.2	Y	
GIW-01	10/15/13	1.4	78.5	0	20.1	186	-4	Y	
GIW-01	10/16/13	1.8	78	0	20.2	186	-2.2	Y	
GIW-01	10/17/13	2.1	75.4	0	22.5	187	-3.1	Y	
GIW-01	10/18/13	1.5	76.9	0	21.6	186	-1.8	Y	
GIW-01	10/19/13	1.3	84.5	0	14.2	187	-4.8	Y	
GIW-01	10/20/13	1.3	72.8	1.2	24.7	188	-4.5	Y	
GIW-01	10/21/13	1.2	83.6	0	15.2	184	-5.9	Y	
GIW-01	10/22/13	1.4	92	0	6.6	186	-4.1	Y	
GIW-01	10/23/13	1.2	92.9	0	5.9	182	-4.4	Y	
GIW-01	10/24/13	1.2	78.4	0	20.4	184	-4	Y	
GIW-01	10/25/13	1.2	77.4	0	21.4	186	-5.6	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (°F)	Initial Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-01	10/28/13	1	75.8	0	23.2	181	-4.9	Y	
GIW-01	10/29/13	1.1	77	0	21.9	184	-4.8	Y	
GIW-01	10/30/13	1.1	77.3	0	21.6	186	-3.3	Y	
GIW-01	10/31/13	1.1	78.4	0	20.5	185	-4.4	Y	
GIW-01	11/01/13	1.2	76.8	0	22	185	-3.8	Y	
GIW-01	11/04/13	1.2	77.5	0	21.3	188	-3.7	Y	
GIW-01	11/05/13	4.7	77.9	0	17.4	186	-4.1	Y	
GIW-01	11/06/13	1.1	77.2	0	21.7	187	-4.2	Y	
GIW-01	11/07/13	1.1	76.2	0	22.7	187	-3.7	Y	
GIW-01	11/08/13	0.7	77.1	0	22.2	184	-5.1	Y	
GIW-01	11/11/13	1	76.3	0	22.7	185	-4.7	Y	
GIW-01	11/12/13	0.8	80.8	0	18.4	186	-5.1	N	Need new upper & lower rod seal
GIW-01	11/13/13	0.9	80.1	0	19	187	-6.1	N	Need new upper & lower rod seal
GIW-01	11/14/13	1	81	0	18	187	-4.4	Y	
GIW-01	11/15/13	1.1	77.7	0	21.2	187	-4.9	Y	
GIW-01	11/18/13	1.2	79.9	0	18.9	188	-5.3	Y	
GIW-01	11/19/13	1	80.2	0	18.8	187	-4.5	Y	
GIW-01	11/20/13	0.9	75.5	0	23.6	187	-4.9	Y	
GIW-01	11/21/13	1.1	79.2	0.3	19.4	187	-4.4	Y	
GIW-01	11/22/13	1	81.1	0	17.9	187	-5.2	Y	
GIW-01	11/25/13	0.8	84.4	0	14.8	187	-7.9	Y	
GIW-01	11/26/13	0.6	77.9	0.1	21.4	186	-7.5	Y	Adjusted vac to -4.1 inches
GIW-01	11/27/13	1.8	79.9	0	18.3	187	-6	Y	
GIW-01	11/28/13	1.5	69.7	0	28.8	190	1.2	Y	Adjusted vac to -0.2 inches
GIW-01	11/29/13	1	81.2	0	17.8	191	2.7	Y	Adjusted vac to -3.4 inches
GIW-01	12/02/13	1.4	72.4	0	26.2	190	-1.6	Y	
GIW-01	12/03/13	0.7	74.7	0	24.6	187	-9.7	N	Fiberglass rod broke, will be replaced
GIW-01	12/04/13	0.7	74.7	0	24.6	185	-4.7	N	Fiberglass rod broke, will be replaced
GIW-01	12/05/13	0.7	72.8	0.5	26	184	-4	Y	Fiberglass rod replace-pump operational
GIW-01	12/09/13	1.9	72.3	0	25.8	191	-4.2	Y	
GIW-01	12/10/13	1.4	69.3	1.4	27.9	190	-4.2	Y	increased vac to -0.4 inches
GIW-01	12/11/13	1.6	75.3	0	23.1	192	1.9	Y	
GIW-01	12/12/13	1.3	73.8	0.1	24.8	191	-4.3	Y	
GIW-01	12/13/13	1.7	74.1	0	24.2	190	-3.6	Y	
GIW-01	12/16/13	1.9	74.1	0	24	193	-4.2	Y	
GIW-01	12/17/13	1.8	75.2	0.2	22.8	191	-8.7	Y	decreased vac to -6.7 inches
GIW-01	12/18/13	2.1	70.4	0	27.5	192	-4.5	Y	
GIW-01	12/19/13	1.9	74.8	0	23.3	192	-4.2	Y	
GIW-01	12/20/13	2.1	70.6	0	27.3	192	-4.6	Y	
GIW-01	12/23/13	2.3	71.4	0	26.3	194	-5	Y	
GIW-01	12/24/13	2.4	71.8	0	25.8	194	-4.1	Y	
GIW-01	12/25/13	1.9	80.8	0	17.3	193	1.6	Y	increased vac to -3.5 inches
GIW-01	12/26/13	2.3	72.5	0	25.2	195	-4.2	Y	
GIW-01	12/27/13	2.3	72.3	0	25.4	194	-4.3	Y	
GIW-01	12/30/13	1.8	73.1	0	25.1	192	-4.5	Y	
GIW-01	12/31/13	1.9	71.1	0	27	195	-4.1	Y	
GIW-01	01/01/14	2.2	73.9	0	23.9	195	-1.3	NA	increased vac to -1.7 inches
GIW-01	01/03/14	2.4	70	0	27.6	192	-7.8	Y	decreased vac to -7.1 inches
GIW-01	01/13/14	0.5	75.4	0	24.1	187	-16.7	Y	decreased vac to -4.2 inches
GIW-01	01/15/14	1.5	68.4	3.1	27	202	-6.9	Y	decreased vac to -5.0 inches (pump eval on 16th)

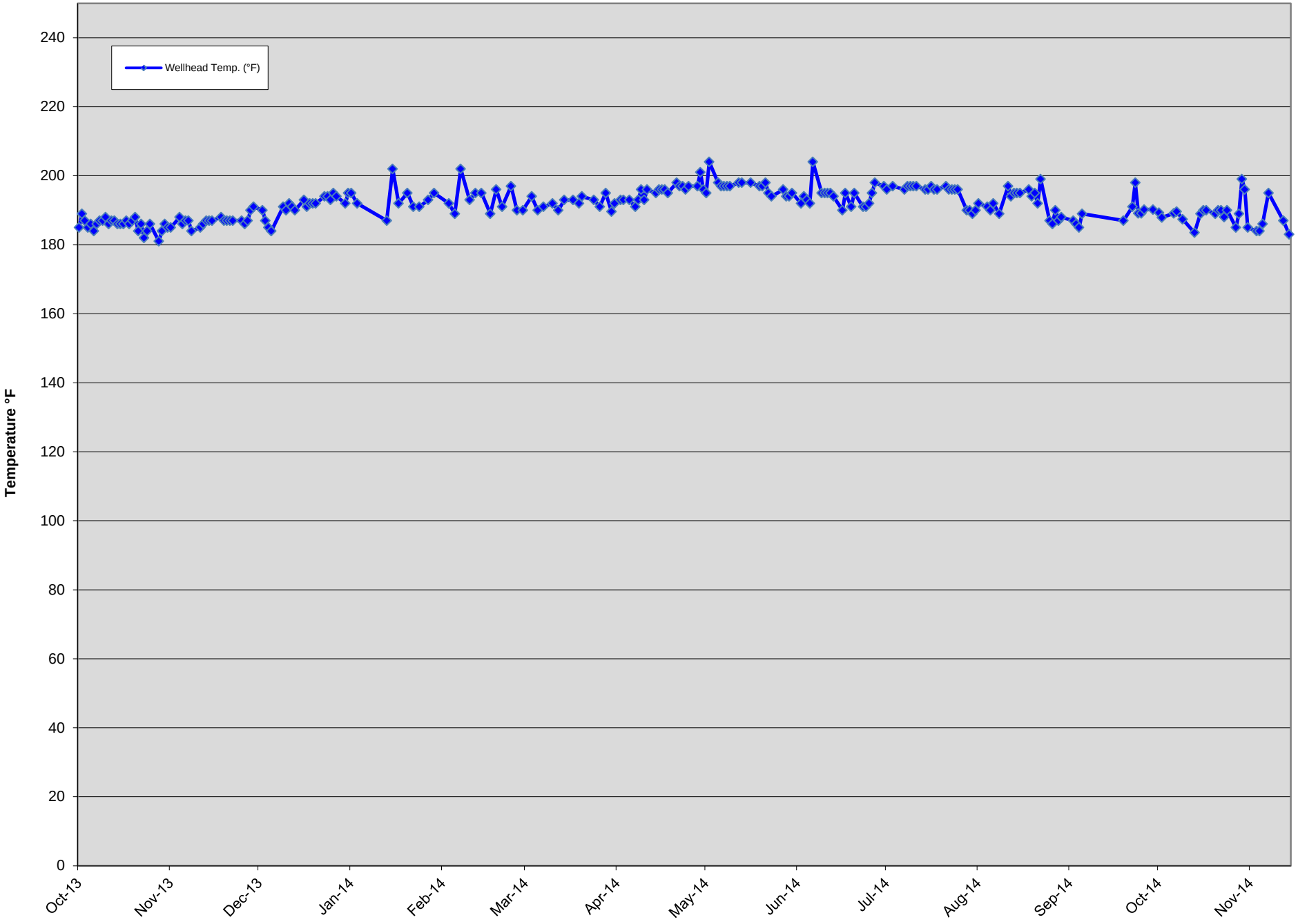
GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (°F)	Initial Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-01	01/17/14	1.6	76.4	0	22	192	-17	Y	decreased vac to -4.9 inches
GIW-01	01/20/14	1.6	78.6	0	19.8	195	5.5	Y	increased vac to -1.9 inches
GIW-01	01/22/14	1.1	77	0	21.9	191	-10.3	Y	decreased vac to -4.2 inches
GIW-01	01/24/14	0.9	74.5	0	24.6	191	-4.6	Y	
GIW-01	01/27/14	1.2	77.5	0	21.3	193	-4.7	Y	
GIW-01	01/29/14	1.1	73.4	0	25.5	195	2.3	Y	increased vac to -2.3 inches
GIW-01	02/03/14	1	70.3	0	28.7	192	-4.3	Y	
GIW-01	02/05/14	0.4	73.6	0	26	189	-3.8	Y	
GIW-01	02/07/14	1.1	76.5	0.1	22.3	202	-2.9	Y	
GIW-01	02/10/14	1.1	76	0.1	22.8	193	-15.6	N	(decreased vac to -3.9 inches) Replace rod and foot valve
GIW-01	02/12/14	1	77.1	0	21.9	195	-9.1	Y	decreased vac to -8.1 inches
GIW-01	02/14/14	1	73.3	0	25.7	195	-4.8	Y	
GIW-01	02/17/14	0.6	72.8	0	26.6	189	-22.8	Y	decreased vac to -19.1 inches
GIW-01	02/19/14	2.7	76.6	0	20.7	196	-2.3	Y	increased vac to -3.3 inches
GIW-01	02/21/14	1	71.5	0	27.5	191	-17.2	N	decreased vac to -16.9 inches (replaced air nipple and line)
GIW-01	02/24/14	4.2	76.2	0	19.6	197	-9.1	Y	decreased vac -8.7 inches
GIW-01	02/26/14	0.7	74.5	0	24.8	190	-21	N	decreased vac to -20.5 inches (blown seal)
GIW-01	02/28/14	0.6	73	0	26.4	190	-19.4	N	decreased vac to -18.8 inches (replaced valve)
GIW-01	03/03/14	0.6	75.8	0	23.6	194	-18.4	N	decreased vac to -17.3 inches (replaced pump)
GIW-01	03/05/14	0.5	74.2	0	25.3	190	-20.6	Y	decreased vac to -18.9 inches
GIW-01	03/07/14	0.6	78.3	0	21.1	191	-22.5	Y	decreased vac to -20.5 inches
GIW-01	03/10/14	0.5	74.5	0	25	192	-10.7	Y	decreased vac to -9.7 inches
GIW-01	03/12/14	0.6	75.2	0	24.2	190	-11.7	Y	decreased vac to -8.6 inches
GIW-01	03/14/14	0.6	77.7	0	21.7	193	-5	N	(replaced 1" rod seal - pump now operational)
GIW-01	03/17/14	0.6	76.7	0	22.7	193	-7.4	Y	reduced vac to -6.5 inches
GIW-01	03/19/14	0.7	72.1	0	27.2	192	-7.9	Y	reduced vac to -6.5 inches
GIW-01	03/20/14	0.7	71.8	0	27.5	194	-4.6	Y	
GIW-01	03/24/14	0.2	72.8	0	27	193	-4.7	Y	
GIW-01	03/26/14	1	70.2	0	28.8	191	-10.2	Y	reduced vac to -9.3 inches
GIW-01	03/28/14	0.4	72.7	0	26.9	195	-4.5	Y	
GIW-01	03/31/14	0.3	74.5	0	25.2	192	-12.7	Y	reduced vac to -10.1 inches
GIW-01	04/02/14	0.3	73.3	0	26.4	193	-8.5	Y	reduced vac to -6.3 inches
GIW-01	04/03/14	0.4	73.8	0	25.8	193	-7.6	Y	reduced vac to -6.7 inches
GIW-01	04/05/14	0.7	71.4	0	27.9	193	-0.9	na	increased vac to -1.8 inches
GIW-01	04/07/14	0.5	73.6	0	25.9	191	-0.4	Y	increased vac to -1.6 inches
GIW-01	04/08/14	0.7	72.9	0	26.4	193	-3.7	N	replaced fourway valve
GIW-01	04/09/14	0.6	73.3	0	26.1	196	0.2	Y	increased vac to -1.4 inches
GIW-01	04/10/14	0.9	73.5	0	25.6	193	-4.6	na	
GIW-01	04/11/14	0.6	74.9	0	24.5	196	1.6	na	increased vac to -0.6 inches
GIW-01	04/14/14	0.7	75.9	0.1	23.3	195	-5.4	Y	
GIW-01	04/15/14	0.8	73.5	0.4	25.3	196	-4.3	Y	
GIW-01	04/16/14	0.7	75.1	0.1	24.1	196	-4.2	Y	
GIW-01	04/17/14	0.7	75	0.2	24.1	196	-4.5	Y	
GIW-01	04/18/14	0.7	75.2	0	24.1	195	-4.1	na	
GIW-01	04/21/14	1	81.8	0	17.2	198	9.8	Y	decreased vac to -0.4 inches
GIW-01	04/22/14	0.7	75	0	24.3	197	-5.4	Y	
GIW-01	04/23/14	0.6	75.1	0	24.3	197	-6.4	Y	decreased vac to -5.8 inches
GIW-01	04/24/14	0.6	75.2	0	24.2	196	-7.1	Y	decreased vac to -6.0 inches
GIW-01	04/25/14	0.8	75.3	0	23.9	197	-2.7	Y	increased vac to -3.0 inches
GIW-01	04/28/14	0.8	75.2	0	24	197	3	Y	increased vac to -0.2 inches

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (°F)	Initial Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-01	04/29/14	0.8	73.4	0	25.8	201	28.3	Y	increased vac to -0.4 inches
GIW-01	04/30/14	1.5	70.8	0	27.7	196	-17.1	Y	decreased vac to -15.4 inches (replaced cam fitting)
GIW-01	05/01/14	0.6	75	0	24.4	195	-15.7	na	decreased vac to -10.7 inches
GIW-01	05/02/14	1.5	76.7	0	21.8	204	42.5	Y	increased vac to -1.8 inches
GIW-01	05/05/14	3.5	71	0	25.5	198	-4.3	Y	
GIW-01	05/06/14	2.7	72.5	0	24.8	197	-4.5	Y	
GIW-01	05/07/14	7.5	75	0	17.5	197	-4.3	Y	
GIW-01	05/08/14	1.8	76.2	0	22	197	-7.4	Y	decreased vac to -6.0 inches
GIW-01	05/09/14	1.9	76.2	0	21.9	197	-4.8	Y	
GIW-01	05/12/14	1.8	76.2	0	22	198	-4	Y	
GIW-01	05/13/14	1.8	74.1	0	24.1	198	-7.5	Y	decreased vac to -5.8 inches
GIW-01	05/16/14	1.9	75.9	0	22.2	198	-5	Y	(evaluated on the 15th)
GIW-01	05/19/14	1.6	76.4	0	22	197	-4.3	Y	
GIW-01	05/20/14	2	74.4	0	23.6	197	-4.6	na	
GIW-01	05/21/14	1.9	72.8	0	25.3	198	-0.2	Y	Increased vac to -1.6 inches
GIW-01	05/22/14	1.9	71.3	0	26.8	195	-17.4	Y	Decreased vac to -16.5 inches
GIW-01	05/23/14	0.7	73.2	0.4	25.7	194	-18.7	na	Decreased vac to -4.9 inches
GIW-01	05/27/14	2.2	72.4	0	25.4	196	-4.1	na	
GIW-01	05/28/14	0.7	69.6	0	29.7	194	-4.6	N	(blown bottom seal)
GIW-01	05/29/14	1.3	68.5	0	30.2	194	-8.6	N	Decreased vac to -7.4 inches (blown 1" rod seal)
GIW-01	05/30/14	0.6	70.6	0	28.8	195	-4	na	
GIW-01	06/02/14	0.7	72.5	0	26.8	192	-10.4	N	Decreased vac to -8.9 inches (blown 1" rod seal)
GIW-01	06/03/14	0.6	71.6	0	27.8	194	-4.9	N	(blown 1" rod seal)
GIW-01	06/04/14	0.7	72.2	0	27.1	193	-5.8	N	No change in vac pressure (blown 1" rod seal)
GIW-01	06/05/14	0.7	71.6	0	27.7	192	-6.7	N	Decreased vac to -6.3 inches (replaced 1" rod seal, pump operational)
GIW-01	06/06/14	1.9	66.2	0	31.9	204	17.9	Y	Increased vac to -0.6 inches
GIW-01	06/09/14	2.8	68.4	0	28.8	195	-13	Y	Decreased vac to -12.7 inches
GIW-01	06/10/14	1.9	72.4	0	25.7	195	-13.1	na	Decreased vac to -12.1 inches
GIW-01	06/11/14	2	69	0	29	195	-11.7	Y	Decreased vac to -10.2 inches
GIW-01	06/12/14	2.1	73	0	24.9	195	-10.5	Y	Decreased vac to -9.1 inches
GIW-01	06/13/14	2.3	72.5	0	25.2	194	-13.4	Y	Decreased vac to -12.9 inches
GIW-01	06/16/14	0.8	70.4	0	28.8	190	-19.6	N	Decreased vac to -18.9 (replaced 1" rod seal, pump operational)
GIW-01	06/17/14	1.7	68.6	0	29.7	195	-9.8	N	Decreased vac to -8 (replaced 1" rod seal, pump operational)
GIW-01	06/19/14	0.7	69.8	0.3	29.2	191	-19.1	Y	Decreased vac to -18
GIW-01	06/20/14	0.9	67.8	0	31.3	195	-14.6	Y	Decreased vac to -12.4
GIW-01	06/23/14	0.8	69.9	0	29.3	191	-13	N	Decreased vac to -12.6 (blown 1" rod seal)
GIW-01	06/24/14	0.7	71.4	0	27.9	191	-13.5	N	Decreased vac to -12.4 (blown 1" rod seal)
GIW-01	06/25/14	1.4	71.1	0	27.5	192	-9.9	N	Decreased vac to -9.5 (replaced 1" rod seal, pump operational)
GIW-01	06/26/14	1.2	71.4	0	27.4	195	2.4	N	Increased vac to -0.8 (replaced 1" rod seal and 1" female gasket, pump operational)
GIW-01	06/27/14	4.2	72.1	0	23.7	198	7.6	Y	Increased vac to -2
GIW-01	06/30/14	2.9	74.5	0	22.6	197	0.4	NA	Increased vac to -2.5
GIW-01	07/01/14	3.3	72.8	0	23.9	196	-4.5	NA	
GIW-01	07/03/14	3.1	74	0	22.9	197	-4.2	NA	
GIW-01	07/07/14	3.1	74.4	0	22.5	196	-4.2	Y	
GIW-01	07/08/14	4.9	73.8	0	21.3	197	-4.3	Y	
GIW-01	07/09/14	2.7	73.7	0	23.6	197	-4.2	Y	
GIW-01	07/10/14	2.9	73.9	0	23.2	197	-4.2	Y	(refilled memo and 4-way oil)
GIW-01	07/11/14	3.1	71.7	0	25.2	197	-5.1	Y	
GIW-01	07/14/14	2.6	72.5	0	24.9	196	-4.2	Y	
GIW-01	07/15/14	2.5	73.4	0	24.1	196	-7.9	Y	Decreased vac to -7.2

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (°F)	Initial Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-01	07/16/14	2.2	74.7	0	23.1	197	-4.8	Y	
GIW-01	07/17/14	2.5	73.1	0	24.4	196	-4.9	Y	
GIW-01	07/18/14	2.1	71.9	0.3	25.7	196	-4.8	Y	
GIW-01	07/21/14	2.3	69.3	0.2	28.2	197	-4.1	N	(replaced 1" rod seal, pump operational)
GIW-01	07/22/14	2.2	73.4	0	24.4	196	-4.5	Y	
GIW-01	07/23/14	2.4	73.9	0	23.7	196	-5	Y	
GIW-01	07/24/14	2.2	72.2	0	25.6	196	-4.7	Y	
GIW-01	07/25/14	2.2	72.6	0	25.2	196	-4.7	Y	
GIW-01	07/28/14	0.9	72.2	0	26.9	190	-16.4	N	Decreased vac to -15.7 (replaced 1" rod seal, pump operational)
GIW-01	07/29/14	1.3	68.3	0	30.4	190	-15.1	Y	Decreased vac to -14.2
GIW-01	07/30/14	1	71	0	28	189	-12.4	Y	Decreased vac to -11.6
GIW-01	07/31/14	1	71.1	0	27.9	190	-9.7	Y	Decreased vac to -7.5
GIW-01	08/01/14	0.9	70.1	0	29	192	-8.4	Y	Decreased vac to -7.1
GIW-01	08/04/14	1	69.8	0	29.2	191	-7.6	Y	Decreased vac to -6.6
GIW-01	08/05/14	0.9	70	0	29.1	190	-4.8	Y	
GIW-01	08/06/14	0.9	71.2	0	27.9	192	-4	Y	
GIW-01	08/07/14							Y	
GIW-01	08/08/14	0.9	72.5	0	26.6	189	-4.6	N	(replaced 1" rod seal, pump operational)
GIW-01	08/11/14	2.5	74.9	0	22.6	197	-4.1	Y	
GIW-01	08/12/14	2.2	73.6	0	24.2	194	-11.3	N	decreased vac to -9.7 (replaced 1" rod seal, pump operational)
GIW-01	08/13/14	2.1	73.2	0	24.7	195	-9.1	Y	decreased vac to -8.9
GIW-01	08/14/14	2.3	72.8	0	24.9	195	-8.5	Y	decreased vac to -6.7
GIW-01	08/15/14	2.2	73.3	0	24.5	195	-4.8	Y	
GIW-01	08/18/14	2.3	72	0	25.7	196	-4.4	N	(replaced 1" rod seal, pump operational)
GIW-01	08/19/14	2	71.4	0	26.6	194	-4.9	Y	
GIW-01	08/20/14	2.3	71	0	26.7	195	-4.4	Y	
GIW-01	08/21/14	1.5	70.5	0	28	192	-9.4	Y	Increased vac to -9.8 (pulled blackhawk and setup, then installed a high temp. Ap4t)
GIW-01	08/22/14	3.8	72.2	0	24	199	19.6	Y	Increased vac to -0.5
GIW-01	08/25/14	0.7	58.2	3.6	37.5	187	-12.5	Y	Decreased vac to -11.8
GIW-01	08/26/14	0.6	56.4	4.3	38.7	186	-12.6	Y	Decreased vac to -11.2
GIW-01	08/27/14	1.6	65.2	1.8	31.4	190	-7	Y	Decreased vac to -6.5
GIW-01	08/28/14	0.8	58.1	4.4	36.7	187	-12.2	Y	Decreased vac to -11.1
GIW-01	08/29/14	0.6	55.8	4.7	38.9	188	-7.2	Y	Decreased vac to -4.9
GIW-01	09/01/14							Y	
GIW-01	09/02/14	0.7	60.2	3.7	35.4	187	-4.4	N	Decreased vac to -3.8 (backjacked AP4, pump operational)
GIW-01	09/03/14	0.6	56.8	4.1	38.5	186	-3.5	Y	Decreased vac to -2.5
GIW-01	09/04/14	0.7	57	4.4	37.9	185	-4.2	N	Decreased vac to -2.2 (backjacked AP4, pump operational)
GIW-01	09/05/14	0.7	62.3	2.4	34.6	189	-0.2	N	(backjacked AP4, pump operational)
GIW-01	09/08/14							NA	(Not Available due to safe access conditions)
GIW-01	09/09/14							NA	(Not Available due to safe access conditions)
GIW-01	09/10/14							NA	(Not Available due to safe access conditions)
GIW-01	09/11/14							NA	(Not Available due to safe access conditions)
GIW-01	09/12/14							NA	(Not Available due to safe access conditions)
GIW-01	09/15/14							N	(backjacked AP4, pump operational)
GIW-01	09/16/14							N	(backjacked AP4, pump operational)
GIW-01	09/17/14							Y	
GIW-01	09/18/14							N	(backjacked AP4, pump operational)
GIW-01	09/19/14	1	58.5	4.7	35.8	187	-15.9	N	Decreased vac to -15.2 (pulled and replaced hose and cleaned pump, pump operational)
GIW-01	09/22/14	2.1	62.8	3.9	31.2	191	-14.1	N	Decreased vac to -4 (backjacked AP4, pump is now operational)
GIW-01	09/23/14	3.1	74.1	0	22.8	198	7.7	Y	Increased vac to -0.3 (backjacked AP4, pump is now operational)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (°F)	Initial Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-01	09/24/14	1.5	76.8	0.2	21.5	189.1	-15.26	N	Decreased vac to -14.83 (backjacked AP4, pump is now operational)
GIW-01	09/25/14	3.5	61.8	0.1	34.6	189.1	-18.07	N	Decreased vac to -14.71 (pulled and cleaned AP4, pump now operational)
GIW-01	09/26/14	1.8	63.3	0.3	34.6	190.2	-4.37	Y	
GIW-01	09/29/14	2.8	65.4	0.2	31.6	190.2	-11.11	N	Decreased vac to -6.35 (AP4 needs pulled & replaced with Blackhawk)
GIW-01	03/30/14	1.4	58.7	0	39.9	189.6	-4.88	N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/01/14	2.1	66.5	0	31.4	189.3	-4.7	N	(Pulled AP4, cleand & replaced poppet, pump operational)
GIW-01	10/02/14	4.4	67.9	0	27.7	187.9	-4.91	Y	
GIW-01	10/03/14							Y	
GIW-01	10/06/14	8.1	61.2	0.1	30.6	189.1	-4.71	N	Increased vac to -4.95 (AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/07/14	2.4	64.7	0	32.9	189.6	-4.7	N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/08/14							N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/09/14	1.1	55.2	0	43.7	187.4	-4.05	N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/10/14							N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/13/14	2.8	26.8	0.2	70.2	183.5	-4.47	N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/14/14							N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/15/14	1.1	58.6	4	36.3	189	-4.3	N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/16/14	1.1	70.1	0.3	28.5	190	-4.2	N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/17/14	1	70.5	0	28.5	190	-4	N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/20/14	1.1	72.3	0	26.6	189	-4.6	N	Increased vac to -17.8 then decreased to -10.3 (AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/21/14	1.1	71.8	0	27.1	190	-4.2	N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/22/14	1	72	0	27	190	-4.2	N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/23/14	1.3	66.9	0	31.8	188	-7.3	N	Decreased vac to -5.7 (AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/24/14	6.1	73.6	0.2	20.1	190	-3.4	N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/27/14	1.3	64.2	0	34.5	185	-4.4	N	(Pulled AP4, installed Blackhawk and setup - Pump operational)
GIW-01	10/28/14	1.2	72.1	0	26.7	189	-4	Y	
GIW-01	10/29/14	3.1	73.9	0	23	199	-10.8	Y	Decreased vac to -10.7
GIW-01	10/30/14	3	72.7	0	24.3	196	-12.8	N	Decreased vac to -12 (Replaced female 11/4" cam setup - pump operational)
GIW-01	10/31/14	1.4	72.1	0	26.5	185	-17	Y	Increased vac to -17.5
GIW-01	11/03/14	1.5	73.3	0.2	25	184	-17.3	N	Decreased vac to -17 (replaced female cam gasket, pump operational)
GIW-01	11/04/14	1.1	73.2	0.7	25	184	-18.5	Y	Decreased vac to -17.1
GIW-01	11/05/14	1.3	68.6	0	30.1	186	-16.7	N	Decreased vac to -16.2 (replaced female cam gasket, pump operational)
GIW-01	11/06/14							Y	
GIW-01	11/07/14	3	70.3	0	26.7	195	14.8	N	Increased vac -0.3 (replaced male and female cam gasket and 1" rod seal, pump operational)
GIW-01	11/10/14							Y	
GIW-01	11/11/14							Y	
GIW-01	11/12/14	1.4	73.7	0	24.9	187	-18.2	N	Increased vac to -18.4 (Replaced 1" rod seal and 1" cam gasket, pump operational)
GIW-01	11/13/14							Y	
GIW-01	11/14/14	1.4	71.3	0	27.3	183	-17.4	N	Decreased vac to -17.1 (Replaced Blackhawk, pump operational)

GIW-1 Wellhead Temperatures



GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-02	04/08/13	2.2	68.6	0	29.2	72	-0.3	N	
GIW-02	04/09/13	2.8	92.5	0.3	4.4	144	-0.3	Y	
GIW-02	04/10/13	1.6	72.3	0.2	25.9	140	-1.1	Y	
GIW-02	04/11/13	1.4	70.8	0.2	27.6	126	-0.1	Y	
GIW-02	04/12/13	1.1	69.6	0.3	29	150	-0.3	Y	
GIW-02	04/13/13	1.1	70	0.3	28.6	150	-0.1	Y	
GIW-02	04/14/13	1.1	75.1	0.2	23.6	154	-0.1	Y	
GIW-02	04/15/13	1.2	70.5	0.3	28	158	-0.1	Y	
GIW-02	04/16/13	1.4	69	0.2	29.4	160	-0.5	Y	
GIW-02	04/17/13	9.1	67.7	0.2	23	158	-2.1	Y	
GIW-02	04/18/13	10.5	71.8	0.3	17.4	155	-1.1	Y	
GIW-02	04/19/13	9.7	61.1	0.6	28.6	152	-2.8	Y	
GIW-02	04/20/13	9	63.2	0.3	27.5	152	-2.6	Y	
GIW-02	04/21/13	8.9	63.2	0.8	27.1	152	-2.7	Y	
GIW-02	04/22/13	9.1	72.4	0.3	18.2	155	-2	Y	
GIW-02	04/23/13	9.1	61.5	0.8	28.6	152	-3.1	Y	
GIW-02	04/24/13	6.8	53.2	0.6	39.4	148	-4.9	Y	
GIW-02	04/25/13	7.1	53	0.4	39.5	140	-4.6	Y	
GIW-02	04/26/13	7	56.9	0.6	35.5	148	-3.4	Y	
GIW-02	04/27/13	7.9	52.5	1.4	38.2	142	-5	Y	
GIW-02	04/28/13	6.8	59.8	0.8	32.6	148	-4	Y	
GIW-02	04/29/13	7.4	62	0.3	30.3	155	-4.1	Y	
GIW-02	04/30/13	6.7	62	0.6	30.7	150	-4.1	Y	
GIW-02	05/01/13	7.7	63.2	0	29.1	154	-4	Y	
GIW-02	05/02/13	8.7	63.1	0	28.2	148	-5.2	Y	
GIW-02	05/03/13	6.5	55.2	0.6	37.7	145	-4.8	Y	
GIW-02	05/04/13	7.2	57.5	0.4	34.9	148	-4	Y	
GIW-02	05/05/13	9	54.6	0	36.4	140	-5.4	Y	Begin using fluke temp meter
GIW-02	05/06/13	10.4	57.7	0	31.9	143	-4.3	Y	
GIW-02	05/07/13	10.6	58.4	0.3	30.7	146	-4.7	Y	
GIW-02	05/08/13	9.9	53.3	0.4	36.4	144	-4.9	Y	
GIW-02	05/09/13	10.8	63	0	26.2	148	-3.8	Y	
GIW-02	05/10/13	10.1	58.9	0	31	143	-4.5	Y	
GIW-02	05/11/13	10.1	55.8	0	34.1	143	-5.2	Y	
GIW-02	05/12/13	9.5	57.3	0.1	33.1	135	-4.2	Y	
GIW-02	05/13/13	9.7	60	0	30.3	143	-4.2	Y	
GIW-02	05/14/13	10.1	61.2	0	28.7	143	-4.1	Y	
GIW-02	05/15/13	9.9	58.4	0	31.7	142	-4.3	Y	Installed check valve
GIW-02	05/16/13	10.3	56.4	0	33.3	142	-4.4	Y	
GIW-02	05/17/13	9.7	56.6	0.2	33.5	142	-4.1	Y	
GIW-02	05/18/13	10.6	57.9	0.3	31.2	144	-3.5	Y	
GIW-02	05/19/13	11.2	65.3	0	23.5	142	-2.7	Y	
GIW-02	05/20/13	13.8	63.1	0.1	23	142	-3.8	Y	
GIW-02	05/21/13	13.5	63.5	0.3	22.7	144	-4.5	Y	
GIW-02	05/22/13	13.4	63.6	0.3	22.7	144	-3.7	Y	
GIW-02	05/23/13	10.1	60.5	0	29.4	140	-5.2	Y	Replaced 1-inch rod seal
GIW-02	05/24/13	11.9	59	0.7	28.4	140	-4.4	N	Replaced 4-way valve
GIW-02	05/25/13	11.6	62	0.3	26.1	144	-3.9	Y	
GIW-02	05/26/13	9	54.2	0.5	36.3	143	-4.2	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-02	05/27/13	11	58.7	0.5	29.8	144	-3	Y	
GIW-02	05/28/13	17.7	58.8	0.6	22.9	144	-3.1	Y	
GIW-02	05/29/13	12.4	58.2	0.6	28.8	141	-2.3	Y	Vacuum low, working on header
GIW-02	05/30/13	13.9	63	0.6	22.5	144	-3.2	Y	
GIW-02	05/31/13	10.8	58	0.5	30.7	142	-3.1	Y	
GIW-02	06/01/13	9.8	55.6	0.5	34.1	141	-4.3	Y	
GIW-02	06/02/13	10.1	54.5	0.8	34.6	141	-3.1	Y	
GIW-02	06/03/13	10.2	54.6	0.4	34.8	139	-2.2	Y	Working on available vac issue
GIW-02	06/04/13	12.3	59.7	0.2	27.8	143	-1.1	Y	Working on available vac issue
GIW-02	06/05/13	13.4	62.6	0.4	23.6	144	-1	Y	Working on available vac issue
GIW-02	06/06/13	16.7	56.7	0.7	25.9	148	-2.5	Y	Working on available vac issue
GIW-02	06/07/13	12.9	53.4	0.6	33.1	143	-1.8	Y	Working on available vac issue
GIW-02	06/08/13	13.1	56.1	0.2	30.6	141	-0.9	Y	Sag main header, jumper installed late 6-8
GIW-02	06/09/13	17.9	54	0.7	27.4	142	-3.2	Y	Vacuum restored
GIW-02	06/10/13	10.8	45.8	1.1	42.3	144	-5.1	N	Replaced 4-way valve - pump operating
GIW-02	06/11/13	10.3	48.5	0.6	40.6	141	-4.5	Y	
GIW-02	06/12/13	14.7	48.9	0.3	36.1	147	-4.7	Y	
GIW-02	06/13/13	13.6	49.8	0.6	36	137	-4.6	Y	
GIW-02	06/14/13	14.4	68.3	0.3	17	139	-4	Y	
GIW-02	06/15/13	13.7	50.5	0.7	35.1	141	-3.9	Y	
GIW-02	06/16/13	15.1	72	0.4	12.5	157	-2.4	Y	
GIW-02	06/17/13	12.3	57.3	0.4	30	151	-5.4	Y	
GIW-02	06/18/13	11	56.9	0.4	31.7	144	-4	Y	
GIW-02	06/19/13	10.6	55.8	0.9	32.7	146	-4	Y	
GIW-02	06/20/13	10.7	59.2	0.9	29.2	143	-4.8	Y	
GIW-02	06/21/13	13.7	60	0.3	26	146	-4.3	Y	
GIW-02	06/22/13	11.8	55.4	0.8	32	141	-4.9	Y	
GIW-02	06/23/13	11.2	51.1	1	36.7	146	-4.2	Y	
GIW-02	06/24/13	10.6	48.6	1.6	39.2	139	-4.4	Y	
GIW-02	06/25/13	15.9	52.4	1.2	30.5	145	-3.9	N	Replaced 1-inch rod seal, pump operating
GIW-02	06/26/13	15.6	51.7	1.3	31.4	143	-4	Y	
GIW-02	06/27/13	11.9	45.3	1.6	41.2	143	-4.8	Y	
GIW-02	06/28/13	14.9	56.1	0.5	28.5	146	-4	Y	
GIW-02	06/29/13	12.1	50.9	0.6	36.4	144	-4.7	Y	
GIW-02	06/30/13	12.7	53.5	0.5	33.3	148	-4.8	Y	
GIW-02	07/01/13	12.5	49.7	0.8	37	144	-4	Y	
GIW-02	07/02/13	13.3	51.5	0.5	34.7	140	-4.3	Y	
GIW-02	07/03/13	14	53.3	0.3	32.4	142	-4	Y	
GIW-02	07/04/13	13.6	46.5	0.9	39	144	-4.5	Y	
GIW-02	07/05/13	16.4	54.6	1.2	27.8	147	-4	Y	
GIW-02	07/06/13	19.1	55.6	1.5	23.8	141	-4.3	Y	
GIW-02	07/07/13	13.8	51.1	1.9	33.2	145	-4.3	Y	
GIW-02	07/08/13	14.6	55.1	2.2	28.1	144	-4.2	Y	
GIW-02	07/09/13	11	56.7	2	30.3	144	-3.9	Y	
GIW-02	07/10/13	7.4	61.7	1.8	29.1	136	-4	Y	
GIW-02	07/11/13	6.8	65.6	0.5	27.1	142	-4	Y	
GIW-02	07/12/13	1.9	65.7	0.6	31.8	142	-4	Y	
GIW-02	07/13/13	4.5	72.8	0.4	22.3	144	-4.1	Y	
GIW-02	07/14/13	2	62.2	0.1	35.7	145	-4	N	Repl. rod seals & 4-way valve, operating

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-02	07/15/13	2.1	73.8	0	24.1	145	-4.3	Y	
GIW-02	07/17/13	13.1	61	3.7	22.2	164	-4.3	Y	Coll. 49 mins after midnight
GIW-02	07/17/13	3.1	74.3	0.1	22.5	167	-0.2	Y	
GIW-02	07/18/13	11.1	64.9	1.3	22.7	162	-1.3	Y	
GIW-02	07/19/13	7.6	65.2	2	25.2	162	-0.6	Y	
GIW-02	07/20/13	12	66.5	1.7	19.8	160	-1.2	Y	
GIW-02	07/21/13	6.9	65.8	1.8	25.5	155	-0.8	Y	
GIW-02	07/22/13	10.9	59.6	3.3	26.2	157	-1.2	Y	
GIW-02	07/23/13	10.1	63.5	2	24.4	155	-0.8	Y	
GIW-02	07/24/13	12.9	63.1	1.9	22.1	161	-1.1	Y	
GIW-02	07/25/13	2.4	72.8	0.2	24.6	169	-0.6	Y	
GIW-02	07/26/13	9.9	63.8	2.3	23.9	163	-0.5	Y	
GIW-02	07/27/13	12	62.9	1.6	23.5	164	-0.5	Y	
GIW-02	07/28/13	13	62.8	2	22.2	161	-1.1	Y	
GIW-02	07/29/13	8.5	69.3	1.4	20.8	162	-1	Y	
GIW-02	07/30/13	13.2	65	1.4	20.4	164	-1	Y	
GIW-02	07/31/13	9.7	65.6	1.2	23.5	161	-0.5	Y	
GIW-02	08/01/13	11.6	63.9	1.8	22.7	161	-1.4	Y	
GIW-02	08/02/13	11.3	65.3	1.4	22	162	-0.7	Y	
GIW-02	08/03/13	14.2	63.7	1.8	20.3	161	-1.1	Y	
GIW-02	08/04/13	11.3	66.3	1.4	21	160	-0.8	Y	
GIW-02	08/05/13	11.8	65	1.8	21.4	161	-0.4	Y	
GIW-02	08/06/13	8.9	71.2	0.2	19.7	168	-0.4	Y	
GIW-02	08/07/13	8.4	66.3	1.5	23.8	165	-1.1	Y	
GIW-02	08/08/13	11	64	1.8	23.2	161	-1.7	Y	
GIW-02	08/09/13	9.1	65.4	1.9	23.6	167	-1.1	Y	
GIW-02	08/10/13	10.8	63.8	1.9	23.5	166	-1	N	Replaced 4way Valve - Pump operational
GIW-02	08/11/13	10.1	65.1	1.8	23	166	-0.7	Y	
GIW-02	08/12/13	11.4	65.5	1.8	21.3	166	-0.8	Y	
GIW-02	08/13/13	9.2	64.1	1.8	24.9	167	-1.3	Y	
GIW-02	08/14/13	10.5	63.2	1.7	24.6	167	-1.2	Y	
GIW-02	08/15/13	10.3	69	0.5	20.2	167	-1.1	Y	
GIW-02	08/16/13	9.5	66.1	1.5	22.9	165	-1.2	Y	
GIW-02	08/17/13	10.3	64.9	1.6	23.2	167	-1.4	Y	
GIW-02	08/18/13	10.9	66.1	1.6	21.4	167	-0.9	Y	
GIW-02	08/19/13	10.8	67.1	1.2	20.9	168	-1.1	Y	
GIW-02	08/20/13	10.2	66.8	0.9	22.1	166	-1.1	Y	
GIW-02	08/21/13	13.7	67.9	1	17.4	166	-1.1	Y	
GIW-02	08/22/13	14	64.6	1.6	19.8	168	-1.4	Y	
GIW-02	08/23/13	10.9	65.8	1.6	21.7	165	-1.4	Y	
GIW-02	08/24/13	10.8	69.3	1.1	18.8	167	-1.1	N	Replaced 1" rod seal - pump operational
GIW-02	08/25/13	10.3	66.6	1.8	21.3	167	-1.4	Y	
GIW-02	08/26/13	10.1	66.9	1.6	21.4	168	-1.3	Y	
GIW-02	08/27/13	10	65.5	1.9	22.6	166	-1.7	Y	
GIW-02	08/28/13	13.3	74.4	0	12.3	170	-0.3	Y	
GIW-02	08/29/13	9.7	68.4	1.2	20.7	169	-0.9	Y	
GIW-02	08/30/13	10	73.7	0	16.3	170	-0.3	Y	
GIW-02	08/31/13	9.9	65.3	1.1	23.7	166	-1.1	Y	
GIW-02	09/01/13	9.8	69.2	1.8	24.1	166	-1.2	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-02	09/02/13	8.9	66.7	1.8	22.6	164	-1	Y	
GIW-02	09/03/13	15.9	67.4	1.3	15.4	170	-1.2	Y	
GIW-02	09/04/13	10.6	67.1	1.3	21	167	-1	Y	
GIW-02	09/05/13	14.3	68.7	1.8	15.2	165	-1	Y	
GIW-02	09/06/13	7.6	81.3	0	11.1	169	-0.6	Y	
GIW-02	09/07/13	9.5	69.1	1.6	19.8	166	-1.5	Y	
GIW-02	09/08/13	8.3	76	0.4	15.3	168	-1	Y	
GIW-02	09/09/13	8.2	74.4	0.5	16.9	167	-0.8	Y	
GIW-02	09/10/13	16	71.5	2	10.5	150	-1.7	Y	Adjusted vac, reduced O2 to 1.8%
GIW-02	09/11/13	8.1	76.6	1	14.3	166	-1.3	Y	
GIW-02	09/12/13	11.5	68.3	2.6	17.6	164	-1.6	Y	Adjusted vac, reduced O2 to 1.5%
GIW-02	09/13/13	8.6	78.8	0.3	12.3	166	-1	Y	
GIW-02	09/14/13	9.2	72.7	1.9	16.2	159	-1.3	Y	
GIW-02	09/15/13	8.9	78.7	0.3	12.1	158	-1.3	Y	
GIW-02	09/16/13	7.7	69.9	1.4	21	166	-0.9	Y	
GIW-02	09/17/13	7.7	71.8	0.6	19.9	166	-1	Y	
GIW-02	09/18/13	6.7	75.9	0	17.4	164	-1	Y	
GIW-02	09/19/13	6	76	0	18	168	-1.2	Y	
GIW-02	09/20/13	2.1	84.1	0	13.8	170	-1.8	Y	
GIW-02	09/21/13	0.6	76.8	0	22.6	168	-2.1	Y	
GIW-02	09/22/13	0.7	84.3	0.1	14.9	169	-2.1	Y	
GIW-02	09/23/13	0.8	84.3	0	14.9	168	-2.6	Y	
GIW-02	09/25/13	0.7	86.1	0	13.2	168	-4.9	Y	
GIW-02	09/26/13	7.2	80.5	0	12.3	171	-1.7	Y	
GIW-02	09/27/13	1.7	77.1	0	21.2	171	-1.4	Y	
GIW-02	09/28/13	0.6	77.2	0	22.2	168	-5.1	Y	
GIW-02	09/29/13	0.7	77.5	0	21.8	170	-4.3	Y	
GIW-02	09/30/13	0.5	78.8	0	20.7	170	-3.7	Y	
GIW-02	10/01/13	0.6	78.5	0	20.9	165	-3.6	Y	
GIW-02	10/02/13	0.7	78.7	0	20.6	171	-3.1	Y	
GIW-02	10/03/13	0.7	77.7	0	21.6	168	-4.9	Y	
GIW-02	10/04/13	0.6	77.9	0	21.5	167	-4.7	Y	
GIW-02	10/05/13	0.7	86	0	13.3	154	-5.8	Y	
GIW-02	10/06/13	0.6	84.2	0	15.2	140	-6.1	Y	
GIW-02	10/07/13	0.7	84.4	0	14.9	144	-4	Y	
GIW-02	10/08/13	0.9	86.6	0	12.5	156	-1.6	Y	
GIW-02	10/09/13	0.6	85	0	14.4	156	-2.2	Y	
GIW-02	10/10/13	0.8	85.7	0	13.5	156	-3	Y	
GIW-02	10/11/13	0.7	84.9	0	14.4	152	-3	Y	
GIW-02	10/12/13	0.7	85.3	0	14	150	-5.1	Y	
GIW-02	10/13/13	0.5	84.7	0	14.8	152	-4.1	Y	
GIW-02	10/14/13	0.6	79.3	0	20.1	149	-1.5	Y	
GIW-02	10/15/13	0.6	80.2	0	19.2	135	-4.8	Y	
GIW-02	10/16/13	0.8	79.8	0	19.4	155	-2.7	Y	
GIW-02	10/17/13	0.6	77.7	0	21.7	150	-4.4	Y	
GIW-02	10/18/13	0.6	78.5	0	20.9	150	-2.4	Y	
GIW-02	10/19/13	0.6	84.2	0	15.2	154	-5.5	Y	
GIW-02	10/20/13	0.6	76.7	0	22.7	158	-5.1	Y	
GIW-02	10/21/13	0.6	84.3	0	15.1	158	-6.1	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-02	10/22/13	0.7	94.1	0	5.2	142	-4.6	Y	
GIW-02	10/23/13	0.7	93.2	0	6.1	135	-4.9	Y	
GIW-02	10/24/13	0.7	80.3	0	19	121	-4.5	Y	
GIW-02	10/25/13	0.7	80.6	0	18.7	142	-6.1	Y	
GIW-02	10/28/13	0.7	78.1	0	21.2	157	-3.5	Y	
GIW-02	10/29/13	0.7	79.9	0	19.4	151	-4	Y	
GIW-02	10/30/13	0.6	81.2	0	18.2	165	-2	Y	
GIW-02	10/31/13	0.7	81.5	0	17.8	163	-3.1	Y	
GIW-02	11/01/13	0.8	80.4	0	18.8	152	-4	Y	
GIW-02	11/04/13	0.8	80.1	0	19.1	165	-4.5	Y	
GIW-02	11/05/13	5.5	79.7	0	14.8	162	-4.4	Y	
GIW-02	11/06/13	0.7	79.4	0	19.9	154	-4.8	Y	
GIW-02	11/07/13	0.7	78	0	21.3	167	-3.7	Y	
GIW-02	11/08/13	0.7	80.1	0	19.2	165	-4.3	Y	
GIW-02	11/11/13	0.6	77.7	0	21.7	165	-4.8	Y	
GIW-02	11/12/13	0.5	82.9	0	16.6	163	-4.5	Y	
GIW-02	11/13/13	0.6	80.8	0	18.6	166	-4.8	Y	
GIW-02	11/14/13	0.5	82.3	0	17.2	170	-3.5	Y	
GIW-02	11/15/13	0.6	78.6	0	20.8	166	-5.7	N	Need to replace bottom seal
GIW-02	11/18/13	1	81.8	0	17.2	164	-4.1	N	Bottom seal replaced-pump operational
GIW-02	11/19/13	0.7	82	0	17.3	175	0.3	Y	Adjusted vac to -2.6 inches
GIW-02	11/20/13	0.6	76.6	0	22.8	171	-2.7	Y	
GIW-02	11/21/13	0.8	82	0.1	17.1	177	-1.6	Y	
GIW-02	11/22/13	0.7	83.4	0	15.9	164	-3.2	Y	
GIW-02	11/25/13	0.7	86.6	0	12.7	165	-5.8	Y	
GIW-02	11/26/13	0.8	82.2	0	17	167	-2.5	Y	
GIW-02	11/27/13	1.8	81.8	0	16.4	165	-6	Y	
GIW-02	11/28/13	1	75.6	0	23.4	176	7.8	Y	Adjusted vac to -0.2 inches
GIW-02	11/29/13	0.9	84.8	0	14.3	174	10.3	Y	Adjusted vac to -4.3 inches
GIW-02	12/02/13	1.1	76	0	22.9	176	-4.2	Y	
GIW-02	12/03/13	0.8	78	0	21.2	168	-6.6	Y	
GIW-02	12/04/13	0.8	76.7	0	22.5	175	-4.5	Y	
GIW-02	12/05/13	0.7	67.6	3.1	28.6	164	-5.9	Y	
GIW-02	12/09/13	1.1	75.7	0	23.2	157	-4.6	Y	
GIW-02	12/10/13	1	77.9	0	21.1	165	-1.2	Y	
GIW-02	12/11/13	1	78.4	0	20.6	155	-8.3	N	Replaced 4 way valve - pump operational
GIW-02	12/12/13	0.9	76.3	0.4	22.4	149	-10.3	Y	
GIW-02	12/13/13	0.9	79	0	20.1	150	-9.8	Y	
GIW-02	12/16/13	1.2	75.2	0.9	22.7	80	-15.9	Y	
GIW-02	12/17/13	1.6	81.2	0	17.2	93	-4.7	Y	
GIW-02	12/18/13	1	76.7	0	22.3	140	-4.8	Y	
GIW-02	12/19/13	1.2	78	0	20.8	147	-4.9	Y	
GIW-02	12/20/13	1.1	75.9	0	23	140	-4.5	Y	
GIW-02	12/23/13	1.2	76.1	0	22.7	95	-4.6	Y	
GIW-02	12/24/13	1.5	76.3	0	22.2	127	-4.5	Y	
GIW-02	12/25/13	0.9	85	0	14.1	115	-3.7	Y	
GIW-02	12/26/13	1.1	77.3	0	21.6	156	2.4	Y	increased vac to -1.4
GIW-02	12/27/13	1.2	76.4	0	22.4	145	-4.3	Y	
GIW-02	12/30/13	1.1	78.6	0	20.3	145	-6.8	Y	decreased vac to -5.9 inches

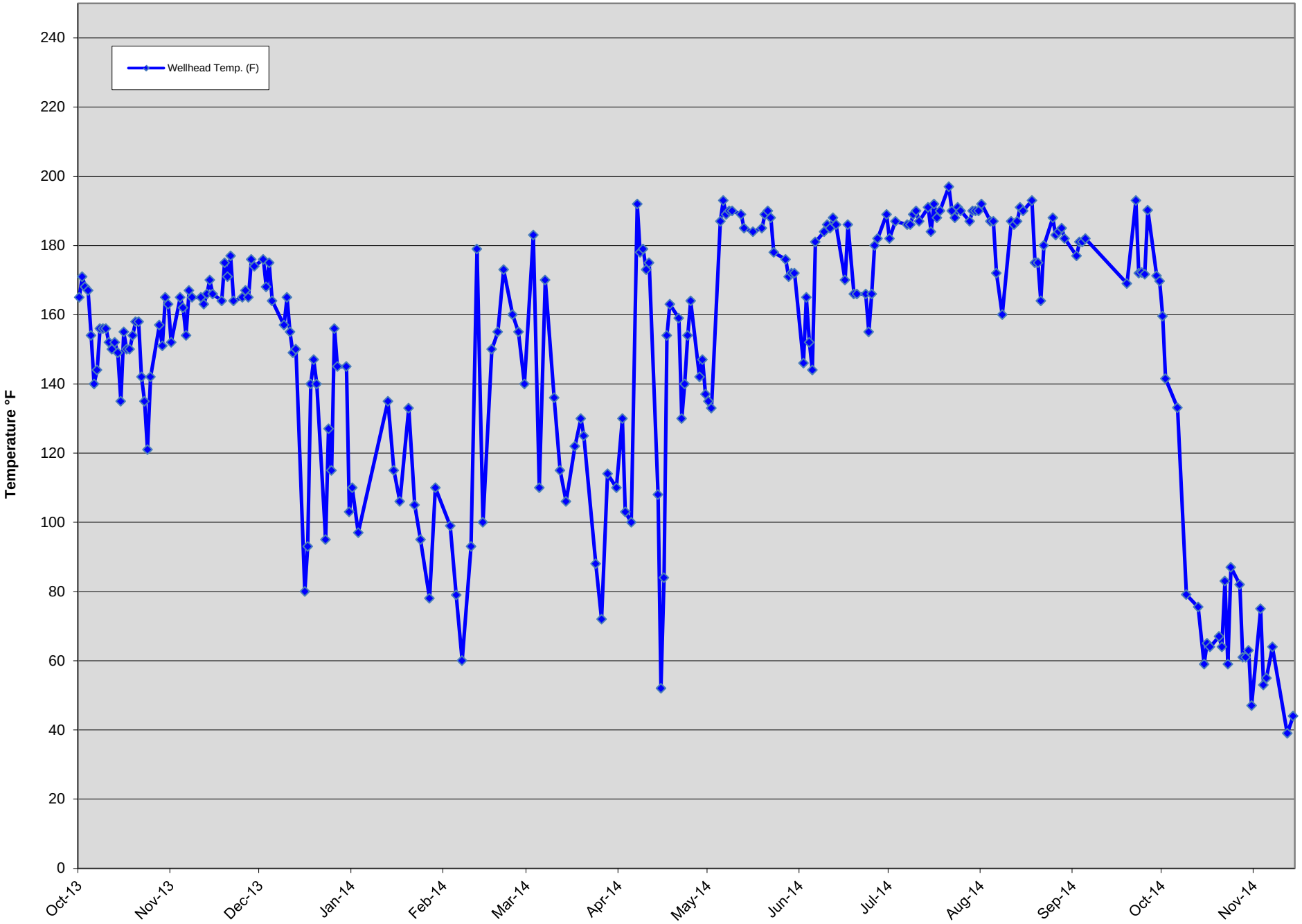
GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-02	12/31/13	1.2	77.1	0.3	21.4	103	-16.6	Y	decreased vac to -15 inches
GIW-02	01/01/14	1.3	78.8	0	19.9	110	-14.5	NA	decreased vac to -11.5 inches
GIW-02	01/03/14	1.2	79.8	0	19	97	13.9	Y	increased vac to -1.6 inches
GIW-02	01/13/14	1.1	81.9	0	17	135	-13.7	Y	decreased vac to -4.4 inches
GIW-02	01/15/14	0.8	61.8	5.6	31.8	115	-17.2	Y	decreased vac to -6.6 inches (pump eval on 16th)
GIW-02	01/17/14	1.3	80.8	0	17.9	106	-13.7	Y	decreased vac to -5.1 inches
GIW-02	01/20/14	1.8	83.5	0	14.7	133	-2.8	Y	
GIW-02	01/22/14	0.6	81	0	18.4	105	-4.8	Y	
GIW-02	01/24/14	1	79.2	0	19.8	95	-5	Y	
GIW-02	01/27/14	1.3	81.6	0	17.1	78	-5.1	Y	
GIW-02	01/29/14	1	77.2	0	21.8	110	-4.3	Y	
GIW-02	02/03/14	0.9	79.9	0	19.2	99	51.1	Y	increased vac to -0.3 inches
GIW-02	02/05/14	1.8	79.1	0.2	18.9	79	-4.4	N	New line set
GIW-02	02/07/14	1.4	78.8	0	19.8	60	-4.2	N	Replaced rod, still need foot valve
GIW-02	02/10/14	0.9	79.4	0.1	19.6	93	-4.7	N	Replace foot valve
GIW-02	02/12/14	0.8	75	0	24.2	179	12.2	Y	increased vac to -1.0 inches
GIW-02	02/14/14	1.2	77.1	0	21.7	100	-17.6	N	decreased vac to -16.5 inches (replaced 1" rod seal)
GIW-02	02/17/14	1.1	78.7	0	20.2	150	-15.6	Y	decreased vac to -12.5 inches
GIW-02	02/19/14	1	78.6	0	20.4	155	-8	Y	decreased vac to -7.2 inches
GIW-02	02/21/14	0.8	74.5	0	24.7	173	-12.1	Y	decreased vac to -10.8 inches
GIW-02	02/24/14	1.1	76.4	0	22.5	160	-16.2	Y	decreased vac to -12.5 inches
GIW-02	02/26/14	0.8	75.8	0	23.4	155	-19.4	N	decreased vac to -17.9 inches (blown seal)
GIW-02	02/28/14	0.8	73.7	0	25.5	140	-18.6	N	decreased vac to -16.7 inches (replaced pump)
GIW-02	03/03/14	0.5	73.8	0	25.7	183	-10	Y	decreased vac to -7.0 inches
GIW-02	03/05/14	1.2	79.6	0.2	19	110	-19.7	Y	decreased vac to -15.7 inches
GIW-02	03/07/14	1.1	82.8	0	16.1	170	-9	Y	
GIW-02	03/10/14	0.9	78.6	0	20.5	136	-18.3	Y	decreased vac to -16.3 inches
GIW-02	03/12/14	1.6	79.7	0.3	18.4	115	-17.1	Y	decreased vac to -16.5 inches
GIW-02	03/14/14	1.1	81.2	0	17.7	106	45.2	N	increase vac to -1.4 inches (Replaced 1" rod seal)
GIW-02	03/17/14	1.8	78.4	0.9	18.9	122	-22.5	N	reduced vac to -15.3 inches (replace 1" rod seal)
GIW-02	03/19/14	1.3	78.5	0	20.2	130	-4.9	Y	
GIW-02	03/20/14	1.8	79.2	0	19	125	-12.1	Y	decreased vac to -11.7 inches
GIW-02	03/24/14	1.6	75.9	1.7	20.8	88	-18.6	N	decreased vac to -3.5 inces (replaced 1" rod seal)
GIW-02	03/26/14	1.7	84.3	0	14	72	-0.2	N	increased vac to -1.0 inches (1" rod seal replaced)
GIW-02	03/28/14	1.6	80.3	0	18.1	114	-4	N	1" rod seal needs replaced
GIW-02	03/31/14	1.6	80.3	0.5	17.6	110	-5.1	N	(1" rod seal needs replaced)
GIW-02	04/02/14	1.5	78.7	0.5	19.3	130	-7.8	N	decreased vac to -6.1 inches (1" rod seal needs replaced)
GIW-02	04/03/14	1.3	82.8	0	15.9	103	-2.2	N	increased vac to -13.3 inches (rod seal replaced)
GIW-02	04/05/14	1.4	80.3	0	18.3	100	126.6	na	increased vac to -0.9 inches
GIW-02	04/07/14	1	79	0.2	19.8	192	-1.8	Y	increased vac to -3.0 inches
GIW-02	04/08/14	1.7	77.7	0	20.6	178	-9.2	Y	decreased vac to -6.7 inches
GIW-02	04/09/14	1.6	72	1	25.4	179	-15.2	Y	decreased vac to -11.4 inches
GIW-02	04/10/14	1.2	75.4	0	23.4	173	-11.3	na	decreased vac to -8.0 inches
GIW-02	04/11/14	1.5	75	0.8	22.7	175	-6.9	na	decreased vac to -6.1 inches
GIW-02	04/14/14	2.4	75.5	1.7	20.4	108	-18.9	N	decreased vac to -16.8 inches (blown seal)
GIW-02	04/15/14	2.7	78.9	0	18.4	52	40	N	increased vac to -1.2 inches (blown seal)
GIW-02	04/16/14	2.5	80.7	0	16.8	84	-3.6	N	(blown seal)
GIW-02	04/17/14	2.1	81.1	0	16.8	154	3.2	N	increased vac to -0.5 inches (blown seal)
GIW-02	04/18/14	1.8	76.1	0	22.1	163	-9.4	na	decreased vac to -5.0 inches

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-02	04/21/14	2.4	78.9	0	18.7	159	-10.7	Y	
GIW-02	04/22/14	1.7	79.5	0	18.8	130	-5.2	Y	
GIW-02	04/23/14	2.4	80.1	0	17.5	140	7	Y	increased vac to -0.8 inches
GIW-02	04/24/14	2.3	76	0.6	21.1	154	-18.8	Y	decreased vac to -17.2 inches
GIW-02	04/25/14	2.6	79.8	0	17.6	164	-11.9	Y	decreased vac to -10.6 inches
GIW-02	04/28/14	2	80.9	0	17.1	142	-1.1	Y	increased vac to -1.2 inches
GIW-02	04/29/14	2	80.1	0	17.9	147	9	N	increase vac to -0.1 inches (bad footvalve or broken rod)
GIW-02	04/30/14	2.3	76.6	0	21.1	137	-0.7	N	increased vac to -0.8 inches (broken rod or bad footvalve)
GIW-02	05/01/14	2.3	78.3	0	19.4	135	-2.4	na	increased vac to -2.6 inches
GIW-02	05/02/14	2.4	77.5	0.4	19.7	133	-24.6	N	decreased vac to -21.9 inches (replaced footvalve)
GIW-02	05/05/14	2.8	76.9	0	20.3	187	37.6	N	increased vac to -0.9 inches (replacd rod seal)
GIW-02	05/06/14	1.9	75.7	0	22.4	193	-7	Y	decreased vac to -6.2 inches
GIW-02	05/07/14	1.6	71.6	0	26.8	189	-22.2	Y	decreased vac to -18.2 inches
GIW-02	05/08/14	1.1	77.6	0	21.3	190	-4.3	Y	
GIW-02	05/09/14	1.9	81.3	0	16.8	190	-8.5	Y	decreased vac to -6.6 inches
GIW-02	05/12/14	1.5	73.4	0	25.1	189	-7.2	Y	decreased vac to -5.5 inches
GIW-02	05/13/14	1.2	76.6	0	22.2	185	-4.1	Y	
GIW-02	05/16/14	0.8	72.7	0	26.5	184	-13.2	Y	decreased vac to -11.3 inches (evaluated on the 15th)
GIW-02	05/19/14	1.2	75	0	23.8	185	-18.6	Y	Decreased vac to -17.6 inches
GIW-02	05/20/14	1.3	74.9	0	23.8	189	-11.2	na	Decreased vac to -10.3 inches
GIW-02	05/21/14	1.2	73.7	0	25.1	190	-6.7	Y	Decreased vac to -5.9 inches
GIW-02	05/22/14	1.2	73.8	0	25	188	-14.8	Y	Decreased vac to -12.5 inches
GIW-02	05/23/14	1.8	75.8	0.8	21.6	178	-23.5	na	Decreased vac to -3 inches
GIW-02	05/27/14	1.7	76.1	0	22.2	176	0.6	na	Incresed vac to -0.2 inches
GIW-02	05/28/14	1.4	75.9	0	22.7	171	-8.3	N	Decreased vac to -7.4 inches (blown bottom seal)
GIW-02	05/29/14	1.6	77	0	21.4	172	1.6	N	Increased vac to -1.7 inches (blown 1" rod seal)
GIW-02	05/30/14	1.4	76.4	0	22.2	172	1.5	na	Increased vac to -0.4 inches
GIW-02	06/02/14	1.4	75.8	0	22.8	146	-4.4	N	(blown 1" rod seal)
GIW-02	06/03/14	1.5	77.2	0	21.3	165	2.4	N	Increased vac to -0.2 (blown 1" rod seal)
GIW-02	06/04/14	1.5	77.4	0	21.1	152	-4	N	(blown 1" rod seal)
GIW-02	06/05/14	1.3	77.5	0	21.2	144	-4	N	(replaced 1" rod seal, pump operational)
GIW-02	06/06/14	0.9	73.7	0	25.4	181	49.1	Y	Decreased vac to -2.7
GIW-02	06/09/14	1	74.6	0	24.4	184	-10.2	Y	Decreased vac to -7.6 inches
GIW-02	06/10/14	1	73.6	0	25.4	186	-7	na	Decreased vac to -6.1 inches
GIW-02	06/11/14	1.3	73.7	0	25	185	-4.8	Y	
GIW-02	06/12/14	1	72.7	0	26.3	188	-4	Y	
GIW-02	06/13/14	0.9	73.1	0	26	186	-4.4	Y	
GIW-02	06/16/14	1.2	73.3	0	25.5	170	-18.3	N	Decreased vac to -14.6 (replaced 1/4"x3" air nipple, pump operational)
GIW-02	06/17/14	0.8	71.5	0	27.7	186	12.3	Y	Increased vac to -0.6
GIW-02	06/19/14	1.2	69.7	1	28.1	166	-19.1	Y	Decreased vac to -16.5
GIW-02	06/20/14	1.3	72.5	0.3	25.9	166	-13	Y	Decreased vac to -8.5
GIW-02	06/23/14	1.3	72	0.9	25.8	166	-12	N	Decreased vac to -9.8 (replaced 1/4"x3" air nipple, pump operational)
GIW-02	06/24/14	1.5	76.7	0	21.8	155	0.1	Y	Increased vac to -0.5
GIW-02	06/25/14	1.5	75.8	0	22.7	166	1.1	Y	Increased vac to -2.7
GIW-02	06/26/14	1.3	73.3	0	25.4	180	1.1	N	Increased vac to -2.8 (replaced 1" rod seal and 1" female gasket, pump operational)
GIW-02	06/27/14	1.6	73.1	0	25.3	182	8.2	Y	Increased vac to -2.5
GIW-02	06/30/14	1.2	68	0	30.8	189	5.7	NA	Increased vac to -0.6
GIW-02	07/01/14	1.2	72.4	0	26.4	182	-8.1	NA	Decreased vac to -4.4
GIW-02	07/03/14	0.9	71	0	28.1	187	-7.7	NA	Decreased vac to -5.3

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-02	07/07/14	0.8	63.9	2.9	32.4	186	-8.1	Y	Decreased vac to -4.6
GIW-02	07/08/14	1.9	74.3	0	23.8	186	-4.3	Y	
GIW-02	07/09/14	1	71.6	0	27.4	189	-4.2	Y	
GIW-02	07/10/14	1	70.1	0.6	28.3	190	-3.8	Y	(refilled memo and 4-way oil)
GIW-02	07/11/14	0.9	72	0	27.1	187	-4.2	Y	
GIW-02	07/14/14	1.2	70.9	0	27.9	191	1	Y	Increased vac to -0.7
GIW-02	07/15/14	0.9	73.8	0	25.3	184	-10.2	Y	Decreased vac to -6.3
GIW-02	07/16/14	1.1	71.8	0	27.1	192	-0.9	Y	Increased vac to -3.2
GIW-02	07/17/14	1	73	0	26	188	-4.8	Y	
GIW-02	07/18/14	0.8	74	0	25.2	190	-0.3	Y	Increased vac to -3.9
GIW-02	07/21/14	0.8	72.3	0	26.9	197	-2.4	Y	Increased vac to -3
GIW-02	07/22/14	0.9	73.3	0	25.8	190	-4	Y	
GIW-02	07/23/14	1.2	71.9	0	26.9	188	-5	Y	
GIW-02	07/24/14	1.2	71.3	0	27.5	191	-5	Y	
GIW-02	07/25/14	1.1	72.2	0	26.7	190	-4.9	Y	
GIW-02	07/28/14	0.9	73.2	0	25.9	187	-4.9	Y	
GIW-02	07/29/14	0.8	73.5	0	25.7	190	1.2	Y	Increased vac to -1.9
GIW-02	07/30/14	1	72.2	0	26.8	190	-0.3	Y	Increased vac to -2.4
GIW-02	07/31/14	1	71.4	0	27.6	190	3.3	N	Increased vac to -2.3 (replaced cylinder head, pump operational)
GIW-02	08/01/14	0.9	69.3	0	29.8	192	-4.4	Y	
GIW-02	08/04/14	0.9	70.5	0	28.6	187	-4.9	Y	
GIW-02	08/05/14	0.8	73.3	0	25.9	187	-8.9	Y	Decreased vac to -7.5
GIW-02	08/06/14	1.3	73.9	0	24.8	172	-11.4	Y	Decreased vac to -5.9
GIW-02	08/07/14							Y	
GIW-02	08/08/14	2	75.1	0	22.9	160	-4.9	N	(replaced 1" rod seal, pump operational)
GIW-02	08/11/14	1	74.5	0	24.5	187	-4	Y	
GIW-02	08/12/14	1	71.8	0	27.2	186	-5	Y	
GIW-02	08/13/14	0.9	72.4	0	26.7	187	-1.5	Y	increased vac to -3.2
GIW-02	08/14/14	0.8	73	0	26.2	191	-4.1	Y	
GIW-02	08/15/14	0.8	72.1	0	27.1	190	-4	Y	
GIW-02	08/18/14	0.9	71.5	0	27.6	193	-4.2	Y	
GIW-02	08/19/14	1.6	71.6	0	26.8	175	-12.5	Y	Decreased vac to -11
GIW-02	08/20/14	1.5	73.5	0	25	175	-8.8	Y	Decreased vac to -5.3
GIW-02	08/21/14	1.7	73.9	0	24.4	164	-8.5	Y	Decreased vac to -5.5
GIW-02	08/22/14	1.1	74.7	0	24.2	180	22.8	Y	Increased vac to -1.7
GIW-02	08/25/14	0.9	71.8	0	27.3	188	-4.9	Y	
GIW-02	08/26/14	1.1	72.5	0	26.4	183	-9.5	Y	Decreased vac to -6.4
GIW-02	08/27/14	1.2	73.8	0	25	184	-5	Y	
GIW-02	08/28/14	1.1	72.8	0	26.1	185	-4.9	N	(replaced the 4-way valve, pump operational)
GIW-02	08/29/14	1	73.5	0	25.5	182	-4.1	Y	
GIW-02	09/01/14							Y	
GIW-02	09/02/14	1	74.5	0	24.5	177	-4.9	Y	
GIW-02	09/03/14	1.1	73.7	0	25.2	181	-4.9	Y	
GIW-02	09/04/14	1.1	73.5	0	25.4	181	-4.1	Y	
GIW-02	09/05/14	1	73.5	0	25.5	182	-4.9	N	(replaced the 1/4" x 3" air nipple, pump operational
GIW-02	09/08/14							NA	(Not Available due to safe access conditions)
GIW-02	09/09/14							NA	(Not Available due to safe access conditions)
GIW-02	09/10/14							NA	(Not Available due to safe access conditions)
GIW-02	09/11/14							NA	(Not Available due to safe access conditions)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-02	09/12/14							NA	(Not Available due to safe access conditions)
GIW-02	09/15/14							Y	
GIW-02	09/16/14							Y	
GIW-02	09/17/14							Y	
GIW-02	09/18/14							Y	
GIW-02	09/19/14	1.7	73.8	0.6	23.9	169	-13.8	N	Decreased vac to -12.6 (replaced 1" rod seal, pump operational)
GIW-02	09/22/14	1.3	73.7	0	25	193	17.1	Y	Increased vac to -6.4
GIW-02	09/23/14	1.6	73.5	0	24.9	172	-12.3	Y	Decreased vac to -9.1
GIW-02	09/24/14	1.8	75.3	0.4	22.5	172.2	-11.32	N	Decreased vac to -9.91 (replaced CAM setup, pump is operational)
GIW-02	09/25/14	4.2	62.3	0.5	33	171.7	-10.26	Y	Decreased vac to -6.23
GIW-02	09/26/14	1.8	69	1.3	27.9	190.2	-13.61	Y	Decreased vac to -10.01
GIW-02	09/29/14	3.3	55.6	3.9	37.2	171.2	-19.05	N	Decreased vac to -10.32 (Replaced 1/4"x3" four way value air nipple, pump operational)
GIW-02	09/30/14	2.1	67.5	0.1	30.3	169.7	-13.74	Y	Decreased vac to -7.81
GIW-02	10/01/14	2.9	68.8	0.6	27.7	159.6	-14.22	Y	Decreased vac to 12.33
GIW-02	10/02/14	5	69.1	0.8	25.1	141.5	-12.82	N	Decreased vac to -8.42 (Replaced 1" rod seal, pump operational)
GIW-02	10/03/14							Y	
GIW-02	10/06/14	7.5	71.7	0	20.8	133.1	-4.61	Y	Increased vac to -4.88
GIW-02	10/07/14							Y	
GIW-02	10/08/14							Y	
GIW-02	10/09/14	2.3	58.2	0.6	38.9	79.1	-17.93	N	Decreased vac to -16.46 (Cooling System Installed)
GIW-02	10/10/14							N/A	(Cooling System Installed)
GIW-02	10/13/14	0	0	0.6	99.4	75.5	-4.18	N/A	(Cooling System Installed)
GIW-02	10/14/14							N/A	(Cooling System Installed)
GIW-02	10/15/14	1.2	56.2	4	38.6	59	-0.7	N/A	(Cooling System Installed)
GIW-02	10/16/14	1	55.4	4	39.6	65	-0.3	N/A	(Cooling System Installed)
GIW-02	10/17/14	1.2	67.9	0	30.9	64	0.8	N/A	Increased vac to -2.3 (Cooling System installed)
GIW-02	10/20/14	1.1	65.9	1.8	31.2	67	-5	N/A	(Cooling System Installed)
GIW-02	10/21/14	1.8	71.5	0	26.7	64	-4.1	N/A	(Cooling System Installed)
GIW-02	10/22/14	1.7	73.5	0.2	24.6	83	-4.1	N/A	(Cooling System Installed)
GIW-02	10/23/14	1.8	72.8	0.6	24.8	59	-5	N/A	(Cooling System Installed)
GIW-02	10/24/14	3.4	70.4	0.2	26	87	-6.9	N/A	Decreased vac to -4.3 (Cooling System Installed)
GIW-02	10/27/14	1.6	68.3	0	30.1	82	3.3	N/A	Increased vac to -0.3 (Cooling System Installed)
GIW-02	10/28/14	1.7	64.2	1.8	32.3	61	-4.3	N/A	(Cooling System Installed)
GIW-02	10/29/14	2	66.7	0	31.3	61	1.4	N/A	Increased vac to -8.5 (Cooling System Installed)
GIW-02	10/30/14	1.7	66.5	1.2	30.6	63	-12.8	N/A	Decreased vac to -8.2 (Cooling System Installed)
GIW-02	10/31/14	1.8	67.8	0.5	29.9	47	-4	N/A	(Cooling System Installed)
GIW-02	11/03/14	1.6	71.8	0	26.6	75	-1.8	N/A	(Cooling System Installed)
GIW-02	11/04/14	1.2	60.4	4.1	34.3	53	-0.7	N/A	(Cooling System Installed)
GIW-02	11/05/14	2.1	69.3	0	28.6	55	-0.2	N/A	(Cooling System Installed)
GIW-02	11/06/14							N/A	(Cooling System Installed)
GIW-02	11/07/14	1.7	65.9	1.2	31.2	64	-4.4	N/A	Increased vac to -1.9 (Cooling System Installed)
GIW-02	11/10/14							N/A	(Cooling System Installed)
GIW-02	11/11/14							N/A	(Cooling System Installed)
GIW-02	11/12/14	1.9	66.5	1.7	29.9	39	-8.3	N/A	(Cooling System Installed)
GIW-02	11/13/14							N/A	(Cooling System Installed)
GIW-02	11/14/14	2.4	70.1	0	27.5	44	-5.2	N/A	(Cooling System Installed)

GIW-2 Wellhead Temperatures



GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Adj. Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-03	04/08/13	3.3	70.1	0	26.6	120	-0.1	N	
GIW-03	04/09/13	3.4	71.9	0	24.7	130	-0.2	Y	
GIW-03	04/10/13	2.2	70.4	0.2	27.2	130	-0.2	Y	
GIW-03	04/11/13	3.2	70.2	0.3	26.3	120	-0.7	Y	
GIW-03	04/12/13	3.4	70.5	0.2	25.9	120	-0.1	Y	
GIW-03	04/13/13	0.6	72.1	0.1	27.2	110	-7.6	Y	
GIW-03	04/14/13	1.7	72	0.1	26.2	130	1.7	Y	
GIW-03	04/15/13	0.7	72.5	0.2	26.6	130	-0.3	Y	
GIW-03	04/16/13	3.2	68.9	0.2	27.7	130	-1.2	Y	
GIW-03	04/17/13	3.1	70.6	0.2	26.1	128	-2.7	Y	
GIW-03	04/18/13	2.7	72.2	0.2	24.9	125	-0.1	Y	
GIW-03	04/19/13	3.2	68.4	0.6	27.8	125	-2.9	Y	
GIW-03	04/20/13	3.2	69	0.3	27.5	132	-2.5	Y	
GIW-03	04/21/13	2.5	71.1	0.7	25.7	130	-1.2	Y	
GIW-03	04/22/13	3.3	76.3	0.4	20	132	-2.8	Y	
GIW-03	04/23/13	2.1	71.3	0.6	26	132	-1.8	Y	
GIW-03	04/24/13	2.4	66.2	0.8	30.6	138	-5.8	Y	
GIW-03	04/25/13	1.9	68.5	0.3	29.3	128	-4.2	Y	
GIW-03	04/26/13	2.7	68.3	0.9	28.1	130	-4.1	Y	
GIW-03	04/27/13	2.7	67	2	28.3	130	-4.5	Y	operating but not moving liquid, will repair
GIW-03	04/28/13	3	71.9	0.3	24.8	130	-4	Y	
GIW-03	04/29/13	2.8	69.9	0.2	27.1	150	-3.3	Y	
GIW-03	04/30/13	2.4	72.1	0.4	25.1	150	-4.3	Y	
GIW-03	05/01/13	2.2	73.6	0.8	23.4	158	-4	Y	
GIW-03	05/02/13	2.5	68.4	1	28.1	135	-5.7	Y	
GIW-03	05/03/13	2.6	65.4	1.4	30.6	138	-4.9	Y	
GIW-03	05/04/13	2.4	69.3	0.4	27.9	138	-4.2	Y	
GIW-03	05/05/13	2.7	70.7	0	26.6	132	-4.7	Y	Begin using fluke temp meter
GIW-03	05/06/13	2.6	70.3	0	27.1	154	-4.4	Y	
GIW-03	05/07/13	2.6	69.7	0.4	27.3	156	-4.7	Y	
GIW-03	05/08/13	2.9	68	0.5	28.6	156	-4.7	Y	
GIW-03	05/09/13	2.9	70.9	0	26.2	134	-3.5	Y	
GIW-03	05/10/13	2.5	72.5	0	25	156	-4.4	Y	
GIW-03	05/11/13	3.4	71.1	0	25.5	153	-6	Y	
GIW-03	05/12/13	3.6	70.3	0	26.1	157	-4	Y	
GIW-03	05/13/13	3	70.5	0	26.5	156	-4.3	Y	
GIW-03	05/14/13	2.5	73	0	24.5	155	-4.1	Y	
GIW-03	05/15/13	2.9	71.1	0	26	147	-4.4	Y	Installed check valve
GIW-03	05/16/13	2.5	69.5	0	28	159	-4.5	Y	
GIW-03	05/17/13	2.5	70.3	0.1	27.1	155	-4.5	Y	
GIW-03	05/18/13	2.6	68.8	0.2	28.4	160	-4	Y	
GIW-03	05/19/13	2.6	71	0.1	26.3	158	-2.6	Y	
GIW-03	05/20/13	2.4	70.3	0	27.3	152	-4.2	Y	
GIW-03	05/21/13	2.4	68.9	0.2	28.5	160	-4.6	Y	
GIW-03	05/22/13	2.9	69.2	0.2	27.7	159	-3.8	Y	
GIW-03	05/23/13	2.7	68.9	0.2	28.2	156	-5.3	Y	
GIW-03	05/24/13	2.6	69.8	0.6	27	160	-4.1	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Adj. Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-03	05/25/13	2.3	70.1	0.2	27.4	161	-4	Y	
GIW-03	05/26/13	2.3	69.7	0.4	27.6	160	-3.9	Y	
GIW-03	05/27/13	3.1	69.4	0.3	27.2	158	-3.4	Y	
GIW-03	05/28/13	5.8	67.5	0.4	26.3	153	-3.7	Y	
GIW-03	05/29/13	2.2	69.6	0.1	28.1	155	-2.8	Y	Vacuum low, working on header
GIW-03	05/30/13	2.8	69	0.4	27.8	159	-3.5	Y	
GIW-03	05/31/13	2.6	70.2	0	27.2	162	-3.5	Y	
GIW-03	06/01/13	2.3	67.5	0	30.2	158	-3.5	Y	
GIW-03	06/02/13	2.5	70.3	0.1	27.1	160	-4	Y	
GIW-03	06/03/13	2.3	68.4	0	29.3	162	-2.1	Y	Working on available vac issue
GIW-03	06/04/13	2.4	70.4	0.1	27.1	158	-1	Y	Working on available vac issue
GIW-03	06/05/13	1.9	67.4	0.6	30.1	154	-0.7	Y	Working on available vac issue
GIW-03	06/06/13	2.5	68.1	0.3	29.1	152	-2.2	Y	Working on available vac issue
GIW-03	06/07/13	2.6	64.7	0.2	32.5	153	-1.7	Y	Working on available vac issue
GIW-03	06/08/13	3.5	65.3	0	31.2	151	-0.7	Y	Sag main header, jumper installed late 6-8
GIW-03	06/09/13	3.9	65.2	0.5	30.4	162	-2.9	Y	Vacuum restored
GIW-03	06/10/13	2.7	65.7	0.4	31.2	164	-5.5	Y	
GIW-03	06/11/13	2.2	66.9	0	30.9	162	-3.9	Y	
GIW-03	06/12/13	3.2	66.4	0	30.4	166	-4	Y	
GIW-03	06/13/13	2	69.4	0	28.6	163	-4.4	Y	
GIW-03	06/14/13	3.9	64	0.1	32	163	-4.5	Y	
GIW-03	06/15/13	6.1	65.6	0.4	27.9	160	-4	Y	
GIW-03	06/16/13	3.1	67.9	0.1	28.9	162	-2.2	Y	
GIW-03	06/17/13	2.7	67.9	0.3	29.1	163	-4.8	Y	
GIW-03	06/18/13	4	68.7	0	27.3	166	-4	Y	
GIW-03	06/19/13	2.7	69.2	0.4	27.7	165	-4	Y	
GIW-03	06/20/13	1.6	73.3	0.4	24.7	166	-4.9	Y	
GIW-03	06/21/13	2.9	67.7	0.2	29.2	165	-4.1	Y	
GIW-03	06/22/13	2.2	64.9	0.9	32	160	-4.5	Y	
GIW-03	06/23/13	4.8	65	0.9	29.3	164	-4	Y	
GIW-03	06/24/13	1.5	63.9	1.5	33.1	161	-4.1	Y	
GIW-03	06/25/13	5	64.2	1.5	29.3	163	-4	Y	
GIW-03	06/26/13	2.7	73.3	0.8	23.2	160	-4	Y	
GIW-03	06/27/13	1.9	62.7	0.5	34.9	163	-4.7	Y	
GIW-03	06/28/13	2.7	69	0.5	27.8	166	-4.2	Y	
GIW-03	06/29/13	2.1	64.9	0.3	32.7	160	-4.5	Y	
GIW-03	06/30/13	1.7	70.9	0.3	27.1	160	-4.1	Y	
GIW-03	07/01/13	1.9	65	0.6	32.5	164	-4.3	Y	
GIW-03	07/02/13	2.1	66.7	0.2	31	162	-4.8	Y	
GIW-03	07/03/13	2.3	66.1	0.2	31.4	169	-4	Y	
GIW-03	07/04/13	2.7	67.2	0.5	29.6	165	-4.1	Y	
GIW-03	07/05/13	2.5	66.9	0.5	30.1	168	-4.1	Y	
GIW-03	07/06/13	1.3	72.5	0	26.2	168	-3.6	Y	
GIW-03	07/07/13	2.6	67.1	0	30.3	164	-4.4	Y	
GIW-03	07/08/13	1.9	67.5	0.4	30.2	164	-4.1	Y	
GIW-03	07/09/13	1.5	69.8	0.4	28.3	168	-3.9	Y	
GIW-03	07/10/13	2.2	71.5	0.4	25.9	161	-4.5	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Adj. Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-03	07/11/13	3.8	68.7	0.3	27.2	169	-3.9	Y	
GIW-03	07/12/13	0.5	72.1	0	27.4	168	-4	Y	
GIW-03	07/13/13	2.2	75.1	0	22.7	170	-4.1	Y	
GIW-03	07/14/13	1.6	69	0	29.4	174	-4.3	Y	
GIW-03	07/15/13	1.5	72	0.1	26.4	166	-4.6	Y	
GIW-03	07/16/13	1.9	75.1	0	23	168	-4.3	Y	
GIW-03	07/17/13	1.3	74.3	0.2	24.2	166	-3.1	Y	
GIW-03	07/18/13	1.7	67	0	31.3	166	-3.6	Y	
GIW-03	07/19/13	1.8	67.2	0.3	30.7	164	-3.7	Y	
GIW-03	07/20/13	1.6	70	0.1	28.3	165	-3	Y	
GIW-03	07/21/13	1.3	71.7	0	27	166	-3.6	Y	
GIW-03	07/22/13	1.6	66.7	0.5	31.2	166	-3.8	Y	
GIW-03	07/23/13	0.9	74	0	25.1	167	-3.9	Y	
GIW-03	07/24/13	2.9	68.1	0.4	28.6	166	-4.2	Y	
GIW-03	07/25/13	2.3	67.8	0.4	29.5	166	-3.7	Y	
GIW-03	07/26/13	1.2	67.3	0.6	30.9	167	-3	Y	
GIW-03	07/27/13	1.3	65.9	0	32.8	165	-3.3	Y	
GIW-03	07/28/13	2.2	67	0.4	30.4	166	-3.4	Y	
GIW-03	07/29/13	1.1	69.4	0	29.5	167	-2.6	Y	
GIW-03	07/30/13	2.5	66.5	0.1	30.9	165	-3.4	Y	
GIW-03	07/31/13	1.1	67	0.4	31.5	166	-2.5	Y	
GIW-03	08/01/13	0.7	73.3	0	26	166	-2.1	Y	
GIW-03	08/02/13	1.1	69.6	0	29.3	166	-2.8	Y	
GIW-03	08/03/13	2.2	68	0.4	29.4	164	-2.7	Y	
GIW-03	08/04/13	1.4	72.6	0.1	25.9	166	-2	Y	
GIW-03	08/05/13	1.8	69.8	0.3	28.1	167	-2.8	Y	
GIW-03	08/06/13	0.9	71.8	0.3	27	166	-1.8	Y	
GIW-03	08/07/13	1	69.3	0	29.7	165	-3.3	Y	
GIW-03	08/08/13	0.9	69.4	0.3	29.4	169	-4	Y	
GIW-03	08/09/13	1	70.2	0.4	28.4	167	-3.4	Y	
GIW-03	08/10/13	0.9	69.9	0.3	28.9	168	-4.2	Y	
GIW-03	08/11/13	0.8	69.7	0.6	28.9	168	-4	Y	
GIW-03	08/12/13	2	70.1	0.4	27.5	167	-3.8	Y	
GIW-03	08/13/13	0.8	68.9	0.5	29.8	167	-4.3	Y	
GIW-03	08/14/13	1.1	66.4	0.2	32.3	167	-4.8	Y	
GIW-03	08/15/13	1.1	68.4	0	30.5	165	-4.2	Y	
GIW-03	08/16/13	1	71.9	0	27.1	167	-3.9	Y	
GIW-03	08/17/13	0.9	72	0	27.1	169	-4.4	Y	
GIW-03	08/18/13	1.1	72.5	0	26.4	167	-3.9	Y	
GIW-03	08/19/13	0.9	70.3	0.1	28.7	170	-4	Y	
GIW-03	08/20/13	1.2	68.1	0	30.7	167	-4.1	Y	
GIW-03	08/21/13	2	71	0	27	166	-3.6	Y	
GIW-03	08/22/13	1.9	71	0	27.1	170	-3.5	Y	
GIW-03	08/23/13	0.8	70.2	0	29	168	-3.2	Y	
GIW-03	08/24/13	2.4	72.9	0	24.7	170	-2.9	Y	
GIW-03	08/25/13	0.7	73.2	0.2	25.9	169	-3.5	Y	
GIW-03	08/26/13	0.5	73.2	0	26.3	168	-3.4	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Adj. Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-03	08/27/13	0.8	70	0	29.2	168	-4	Y	
GIW-03	08/28/13	3.4	73.3	0	23.3	167	-1.6	Y	
GIW-03	08/29/13	1	69.8	0	29.2	168	-3.4	Y	
GIW-03	08/30/13	0.7	71.4	0	27.9	170	-2.6	Y	
GIW-03	08/31/13	0.7	70.2	0	29.1	168	-3.5	Y	
GIW-03	09/01/13	0.7	72.5	0.3	29.8	167	-3.2	Y	
GIW-03	09/02/13	0.7	73.6	0	25.7	167	-3.2	Y	
GIW-03	09/03/13	3.5	72.5	0	24	170	-3.1	Y	
GIW-03	09/04/13	1.1	68.7	0	30.2	168	-2.7	Y	
GIW-03	09/05/13	1.4	76.2	0	22.4	167	-3.3	Y	
GIW-03	09/06/13	0.8	78.1	0	21.1	169	-2	Y	
GIW-03	09/07/13	0.8	76.4	0	22.8	167	-3	Y	
GIW-03	09/08/13	0.7	75.7	0	23.6	168	-2.5	Y	
GIW-03	09/09/13	0.7	76.7	0	22.6	168	-1.6	Y	
GIW-03	09/10/13	3.2	81	0	15.8	168	-2.6	Y	
GIW-03	09/11/13	0.6	80.9	0	18.5	169	-2.1	Y	
GIW-03	09/12/13	2.2	75.1	1	21.7	167	-3.5	Y	
GIW-03	09/13/13	0.6	80.1	0	19.3	168	-2	Y	
GIW-03	09/14/13	0.3	79.4	0.3	20	166	-3.2	Y	
GIW-03	09/15/13	0.7	80.7	0	18.6	165	-3.1	Y	
GIW-03	09/16/13	0.4	74.6	0	25	165	-2.3	Y	
GIW-03	09/17/13	0.4	71.9	0	27.7	168	-2.7	Y	
GIW-03	09/18/13	0.2	75.1	0	24.7	165	-2.1	Y	
GIW-03	09/19/13	0.2	74.3	0	25.5	167	-2.4	Y	
GIW-03	09/20/13	0.3	81.9	0	17.8	166	-1.7	Y	
GIW-03	09/21/13	0.2	76.6	0	23.2	165	-2.3	Y	
GIW-03	09/22/13	0.2	81.6	0	18.2	166	-2.1	Y	
GIW-03	09/23/13	0.3	81.6	0	18.1	167	-2.7	Y	
GIW-03	09/25/13	0.2	83.3	0	16.5	163	-4.8	Y	
GIW-03	09/26/13	0.4	80.4	0	19.2	166	-2.9	Y	
GIW-03	09/27/13	0.1	76.6	0	23.3	164	-2.3	Y	
GIW-03	09/28/13	0.2	77.2	0	22.6	161	-5.4	Y	
GIW-03	09/29/13	0.2	77.2	0	22.6	162	-4.4	Y	
GIW-03	09/30/13	0	76.9	0	23.1	161	-3.6	Y	
GIW-03	10/01/13	0.1	77.6	0	22.3	158	-3.5	Y	
GIW-03	10/02/13	0.2	78.4	0	21.4	133	-3.2	Y	
GIW-03	10/03/13	0.2	80.8	0	19	121	-4.9	Y	
GIW-03	10/04/13	0.3	76.7	0	23	126	-4.7	Y	
GIW-03	10/05/13	0.2	85.1	0	14.7	121	-6	Y	
GIW-03	10/06/13	0.2	83.9	0	15.9	97	-5.9	Y	
GIW-03	10/07/13	0.2	83.9	0	15.9	146	0	Y	Adjusted vac to obtain negative pressure
GIW-03	10/08/13	0.2	85.9	0	13.9	158	5.4	Y	Adjusted vac to obtain negative pressure
GIW-03	10/09/13	0.2	84.2	0	15.6	161	0.4	Y	Adjusted vac to obtain negative pressure
GIW-03	10/10/13	0.3	84.2	0	15.5	156	-2.3	Y	
GIW-03	10/11/13	0.3	84.1	0	15.6	157	-2.4	Y	
GIW-03	10/12/13	0.5	84.4	0	15.1	148	-4.9	Y	
GIW-03	10/13/13	0.2	84.3	0	15.5	154	-3.6	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Adj. Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-03	10/14/13	0.2	77.5	0	22.3	146	-1.8	Y	
GIW-03	10/15/13	0.2	80	0	19.8	140	-4.9	Y	
GIW-03	10/16/13	0.3	78.2	0	21.5	153	-3	Y	
GIW-03	10/17/13	0.2	77.7	0	22.1	145	-4.1	Y	
GIW-03	10/18/13	0.2	77.6	0	22.2	156	-2.7	Y	
GIW-03	10/19/13	0.2	84.3	0	15.5	145	-5.2	Y	
GIW-03	10/20/13	0.2	77.3	0	22.5	147	-5.3	Y	
GIW-03	10/21/13	0.2	83.9	0	15.9	142	-5.8	Y	
GIW-03	10/22/13	0.2	93.3	0	6.5	126	-4.3	Y	
GIW-03	10/23/13	0.2	92.9	0	6.9	136	-4.3	Y	
GIW-03	10/24/13	0.3	79.4	0	20.3	117	-3.9	Y	
GIW-03	10/25/13	0.2	79.3	0	20.5	142	-5.1	Y	
GIW-03	10/28/13	0.2	77.8	0	22	135	-5.1	Y	
GIW-03	10/29/13	0.2	79.4	0	20.4	122	-4.9	Y	
GIW-03	10/30/13	0.2	80	0	19.8	130	-4	Y	
GIW-03	10/31/13	0.2	81.1	0	18.7	126	-4.6	Y	
GIW-03	11/01/13	0.2	81.2	0	18.6	137	-4.3	Y	
GIW-03	11/04/13	0.3	79.2	0	20.5	137	-4.4	Y	
GIW-03	11/05/13	4.9	79.6	0	15.5	136	-4.9	Y	
GIW-03	11/06/13	0.2	79.4	0	20.4	127	-4.4	Y	
GIW-03	11/07/13	0.2	78.4	0	21.4	143	-4	Y	
GIW-03	11/08/13	0.2	80.8	0	19	139	-4.4	Y	
GIW-03	11/11/13	0.2	78	0.1	21.7	160	-4.7	Y	
GIW-03	11/12/13	0.1	84.2	0	15.7	141	-4.8	N	Need new 1" rod seal
GIW-03	11/13/13	0.2	82	0	17.8	147	-4.8	Y	Need new 1" rod seal
GIW-03	11/14/13	0.1	84.1	0	15.8	162	-4.1	Y	Need new 1" rod seal
GIW-03	11/15/13	0.1	80.4	0.1	19.4	151	-4.8	Y	Replaced 1" rod seal - Pump operational
GIW-03	11/18/13	0.4	82	0	17.6	143	-6	Y	
GIW-03	11/19/13	0.2	81.4	0	18.4	156	-6.1	N	Replaced bottom seal - pump operational
GIW-03	11/20/13	0.1	77.4	0	22.5	164	-4.2	Y	
GIW-03	11/21/13	0.8	80.7	0.6	17.9	153	-3.2	Y	
GIW-03	11/22/13	0.2	82	0.6	17.2	137	-3.2	Y	
GIW-03	11/25/13	0.2	77.5	2.7	19.6	139	-7.3	Y	
GIW-03	11/26/13	0.1	73.3	2.3	24.3	140	-5.7	Y	
GIW-03	11/27/13	0.6	80.2	0.7	18.5	150	-4.4	N	Replaced discharge hose - pump operational
GIW-03	11/28/13	0.4	74.9	0	24.7	170	-0.3	Y	
GIW-03	11/29/13	0.2	83	0	16.8	159	-3	Y	
GIW-03	12/02/13	0.2	76.8	0	23	137	-4.4	Y	
GIW-03	12/03/13	0.2	74.7	0.4	24.7	141	-4.2	Y	
GIW-03	12/04/13	0.2	75.3	0.3	24.2	144	-3.9	Y	
GIW-03	12/05/13	0.2	44.6	9.5	45.7	136	-6.7	Y	Reduced vac to -4.1 inches, 02 = 0.2%
GIW-03	12/09/13	0.3	76.4	0.4	22.9	160	-3.4	Y	
GIW-03	12/10/13	0.3	75.1	0	24.6	164	-4	Y	
GIW-03	12/11/13	0.2	76.3	0	23.5	148	-9.4	Y	
GIW-03	12/12/13	0.3	76.2	0	23.5	160	-4.1	Y	
GIW-03	12/13/13	0.3	77.3	0	22.4	165	-4.7	N	Replaced 1" rod seal - pump operational
GIW-03	12/16/13	0.2	77	0	22.8	171	-7.1	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Adj. Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-03	12/17/13	0.7	79.2	0	20.1	171	-2.4	Y	Increased vac to -4.3 inches
GIW-03	12/18/13	0.3	74	0	25.7	162	-4.8	Y	
GIW-03	12/19/13	0.3	76.5	0	23.2	167	-4.8	Y	
GIW-03	12/20/13	0.3	75.7	0	24	172	-4.7	Y	
GIW-03	12/23/13	0.3	74.5	0	25.2	160	-4.8	Y	
GIW-03	12/24/13	0.3	75.9	0	23.8	160	-4.2	Y	
GIW-03	12/25/13	0.1	83.1	0	16.8	176	-10.4	Y	Decreased vac to -5.1 inches
GIW-03	12/26/13	0.3	75.6	0	24.1	178	-0.4	Y	Increased vac to -1.5 inches
GIW-03	12/27/13	0.3	75.6	0	24.1	176	-4.3	Y	
GIW-03	12/30/13	0.3	76.8	0	22.9	175	-4.5	Y	
GIW-03	12/31/13	0.3	75.2	0	24.5	180	-8.7	N	Decreased vac to -6.4 inches (Replace Rod - Pump Operational)
GIW-03	01/01/14	0.4	76.5	0	23.1	183	-4.9	NA	
GIW-03	01/03/14	0.3	78.2	0	21.5	182	-4.8	Y	
GIW-03	01/13/14	0.2	79.7	0	20.1	173	-16.3	Y	Decreased vac to -4 inches (pump eval on 16th)
GIW-03	01/15/14	0.1	76.9	1	22	170	-1.9	Y	Decreased vac to -1.3 inches
GIW-03	01/17/14	0.3	79.3	0	20.4	175	-5.1	Y	
GIW-03	01/20/14	0.7	80.8	0	18.5	190	0.3	y	Increased vac to -2.0 inches
GIW-03	01/22/14	0.2	79.8	0	20	174	-4.9	Y	
GIW-03	01/24/14	0.1	77	0	22.9	173	-4.8	Y	
GIW-03	01/27/14	0.3	79.9	0	19.8	176	-4.2	N	Replaced 1" rod seal
GIW-03	01/29/14	0.1	75.7	0	24.2	181	-5	Y	
GIW-03	02/03/14	0	78.3	0	21.7	186	1.3	Y	Increased vac to -0.5 inches
GIW-03	02/05/14	0.4	77	0	22.6	160	-4.5	Y	
GIW-03	02/07/14	0.4	77.1	0.1	22.4	190	-0.2	N	Increased vac to -4.0 inches (needs rod)
GIW-03	02/10/14	0.2	75.7	0.1	24	187	-13.2	N	Decreased vac to -4.9 inches (replaced fiberglass rod and foot valve)
GIW-03	02/12/14	0.4	78.4	0	21.2	184	-10.8	Y	Decreased vac to -6.4 inches
GIW-03	02/14/14	0.4	76.8	0	22.8	183	10.1	Y	Increased vac to -0.9 inches
GIW-03	02/17/14	0.4	76.6	0	23	185	-8	Y	reduced vac to -7.2 inches
GIW-03	02/19/14	0.4	78	0	21.6	190	10	N	increased vac to -0.4 inches (replaced 1" rod seal)
GIW-03	02/21/14	0.3	74.8	0	24.9	187	-1.9	N	increased vac to -2.4 inches (piston needs replaced)
GIW-03	02/24/14	0.4	77.6	0	22	187	-4.8	N	bad piston
GIW-03	02/26/14	0.3	72.5	1.2	26	170	-6.8	N	increased vac to -4.4 inches (bad piston)
GIW-03	02/28/14	0.3	76.1	0	23.6	185	-4.8	N	piston needs replaced
GIW-03	03/03/14	0.4	79.6	0	20	188	1.3	N	increased vac to -0.8 inches (needs piston)
GIW-03	03/05/14	0.2	75.9	1.3	22.6	190	-9.9	N	decreased vac to -7.2 inches (needs piston replaced)
GIW-03	03/07/14	0.4	80.5	0	19.1	182	-6.3	N	decreased vac to -6.0 inches (needs piston)
GIW-03	03/10/14	0.2	78.3	0	21.5	172	-9.5	N	decreased vac to -8.0 inches (piston needs replaced)
GIW-03	03/12/14	0.3	76.5	0.4	22.8	153	-18.1	Y	decreased vac to -12.0 inches
GIW-03	03/14/14	0.3	80	0	19.7	177	23.2	N	increased vac to -1.3 inches (pump needs pulled)
GIW-03	03/17/14	0.3	78.6	0.2	20.9	190	-16.2	Y	decreased vac to -13.2 inches
GIW-03	03/24/14	0.2	76.8	0.7	22.3	45	-20.8	N	decreased vac to -3.9 inches (1" rod seal needs replaced)
GIW-03	03/28/14	0.3	79.7	0.1	19.9	62	-7.3	N	decreased vac to -6.0 inches (1" rod seal needs replaced)
GIW-03	03/31/14	0.4	81.5	0	18.1	77	-4.6	N	(1" rod seal needs replaced)
GIW-03	04/02/14	0.3	78	0.6	21.1	89	-7.9	N	decreased vac to -7.4 inches (1" rod seal needs replaced)
GIW-03	04/03/14	0.3	80.1	0.2	19.4	107	-6.4	N	decreased vac to -5.9 inches (1" rod seal needs replaced)
GIW-03	04/05/14	1.8	14.9	17.6	65.7	131	-6.2	na	decreased vac to -4.9 inche
GIW-03	04/07/14	0.7	21.9	15.6	61.8	135	-5.2	Y	decreased vac to -0.3 inches

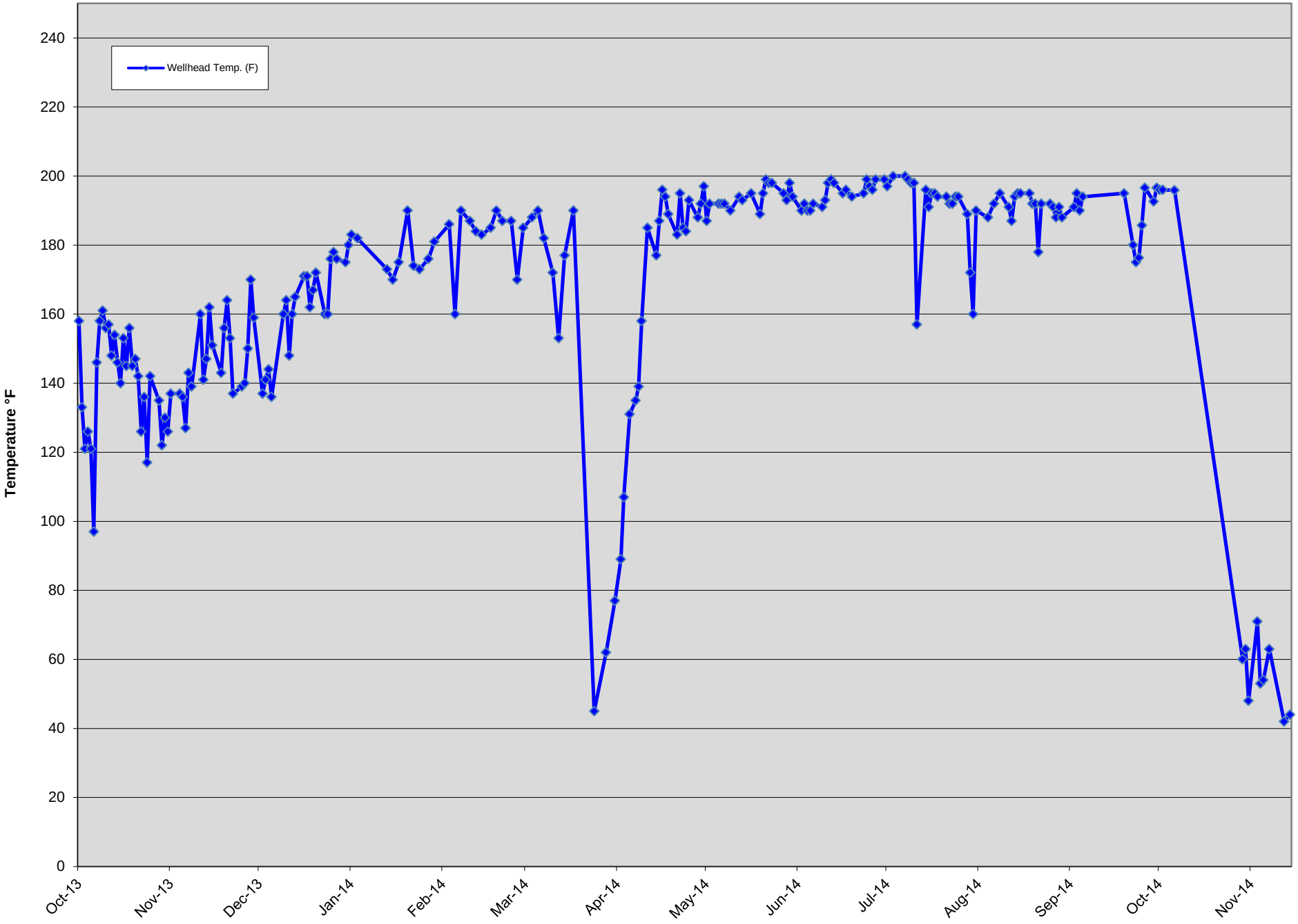
GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Adj. Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-03	04/08/14	0.2	13.1	19.1	67.6	139	-17.4	Y	decreased vac to -16.8 inches
GIW-03	04/09/14	0.3	69.1	1.4	29.2	158	-0.2	Y	oxygen reduced
GIW-03	04/11/14	0.2	76.4	0.1	23.3	185	-4.3	na	
GIW-03	04/14/14	0.5	73.5	1.2	24.8	177	-24.8	Y	decreased vac to -22.9 inches
GIW-03	04/15/14	0.7	76.1	0	23.2	187	48.3	N	increased vac to -1.5 inches (back flowed to restart)
GIW-03	04/16/14	0.6	76	0	23.4	196	14.7	N	increased vac to -0.3 inches (back flowed to restart)
GIW-03	04/17/14	0.5	74.6	0	24.9	194	-2.2	N	increased vac to -2.9 inches (back flowed to restart)
GIW-03	04/18/14	0.3	75.7	0	24	189	-25.5	na	decreased vac to -21.6 inches
GIW-03	04/21/14	0.4	75.6	0	24	183	-18.4	N	decreased vac to -13.6 inches (back flow to restart)
GIW-03	04/22/14	0.4	76.4	0	23.2	195	-4	N	(back flow to restart)
GIW-03	04/23/14	0.4	75.2	0.5	23.9	185	-22.3	N	decreased vac to -19.3 inches (back flow to restart)
GIW-03	04/24/14	0.5	74.5	0.2	24.8	184	-22.4	N	decreased vac to -19.2 inches (backflow to restart)
GIW-03	04/25/14	0.4	77	0	22.6	193	4.2	Y	increased vac to -0.2 inches
GIW-03	04/28/14	0.5	76.1	0	23.4	188	-23.2	N	decreased vac to -22.3 inches (backflow to restart)
GIW-03	04/29/14	0.5	74.2	0.1	25.2	192	-10.9	N	decreased vac to -8.1 inches (backflow to restart)
GIW-03	04/30/14	0.5	76.1	0	23.4	197	13	N	increased vac to -1.0 inches (backflow to restart)
GIW-03	05/01/14	0.6	67.5	1.9	30	187	-23.9	na	decreased vac to -22.1 inches
GIW-03	05/02/14	0.6	74.9	0	24.5	192	-22.4	N	decreased vac to -18.0 inches (backflow to restart pump)
GIW-03	05/05/14	0.9	73.7	0	25.4	192	-17.1	N	decreased vac to -15.4 inches (back-flowed pump)
GIW-03	05/06/14	0.3	73.3	0	26.4	192	-16.7	N	decreased vac to -16.0 inches (pump not working)
GIW-03	05/07/14	0.6	71.7	0	27.7	192	-15.7	N	decreased vac to -13.7 inches (pump replaced)
GIW-03	05/09/14	0.3	73.1	0	26.6	190	-0.5	N	increased vac to -2.5 inches (replaced pump)
GIW-03	05/12/14	0.4	72.6	0	27	194	-5.1	Y	
GIW-03	05/13/14	0.4	71.4	0	28.2	193	4.1	Y	increased vac to -0.5 inches
GIW-03	05/16/14	0.4	73.7	0	25.9	195	-4.4	Y	(evaluated on the 15th)
GIW-03	05/19/14	0.5	75.3	0	24.2	189	-21.8	N	Decreased vac to -21.5 inches (replaced 1" rod seal)
GIW-03	05/20/14	0.5	74.7	0	24.8	195	-5	na	
GIW-03	05/21/14	0.8	73	0	26.2	199	9.1	Y	Increased vac to -1.5 inches
GIW-03	05/22/14	0.4	73.7	0	25.9	198	7.2	Y	Increased vac to -1.0 inches
GIW-03	05/23/14	0.5	73.3	0.4	25.8	198	-5.1	na	
GIW-03	05/27/14	0.6	71.2	0	28.2	195	-17.5	na	Decreased vac to -16.3 inches
GIW-03	05/28/14	0.5	72	0	27.5	193	-16.1	N	Decreased vac to -14.8 inches (replaced 4-way air valve, pump operational)
GIW-03	05/29/14	0.4	72.7	0	26.9	198	0.3	Y	
GIW-03	05/30/14	0.4	70.5	0	29.1	194	-15.6	na	Increased vac to -17.1 inches
GIW-03	06/02/14	0.3	72.9	0	26.8	190	-19.1	N	Decreased vac to -18.6 inches (blown 1" rod seal)
GIW-03	06/03/14	0.3	72.7	0	27	192	-12.4	N	Decreased vac to -10.8 inches (blown 1" rod seal)
GIW-03	06/04/14	0.3	72.2	0	27.5	190	-12.3	N	Increased vac to -11.1 inches (blown 1" rod seal)
GIW-03	06/05/14	0.3	71.9	0	27.8	190	-6.7	N	Decreased vac to -6.3 inches (replaced 1" rod seal, pump operational)
GIW-03	06/06/14	0.3	72.1	0	27.6	192	-10.5	N	Decreased vac to -9.5 inches (replaced 4-way valve - pump operational)
GIW-03	06/09/14	0.4	71	0	28.6	191	-9	N	Decreased vac to -7.7 inches (replaced pump with a rebuilt one, pump operational)
GIW-03	06/10/14	0.3	70.9	0	28.8	193	-6.2	na	Decreased vac to -5.8 inches
GIW-03	06/11/14	0.5	74.1	0	25.4	198	11.5	N	Increased vac to -0.9 inches (replaced 4-way valve, pump operational)
GIW-03	06/12/14	0.3	74.2	0	25.5	199	2.2	Y	Increased vac to -0.2 inches
GIW-03	06/13/14	0.3	72.4	0	27.3	198	3.4	Y	Increased vac to -1.6 inches
GIW-03	06/16/14	0.3	68	0	31.7	195	-15.7	N	Decreased vac to -14.8 (replaced 4-way valve, pump operational)
GIW-03	06/17/14	0.3	72.3	0	27.4	196	-7.6	Y	Decreased vac to -5.3
GIW-03	06/19/14	0.2	67.1	0	32.7	194	-18.4	N	Decreased vac to -15.4 (replaced 3"x1/4" nipple, pump operational)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Adj. Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-03	06/23/14	0.3	70.4	0	29.3	195	-14.7	N	Decreased vac to -13.8 (replaced 1/4"x3" air nipple, pump operational)
GIW-03	06/24/14	0.5	70.8	0	28.7	199	19.5	Y	Increased vac to -1.7
GIW-03	06/25/14	0.3	67.8	0.6	31.3	197	-12.6	Y	Decreased vac to -11
GIW-03	06/26/14	3.6	67.5	0	28.9	196	-9.9	N	Decreased vac to -9.3 (replaced 1" rod seal and 1" female gasket, pump operational)
GIW-03	06/27/14	0.5	71.8	0	27.7	199	-2	Y	Increased vac to -3.7
GIW-03	06/30/14	0.4	73.3	0	26.3	199	-0.9	NA	Increased vac to -2
GIW-03	07/01/14	0.7	73.5	0	25.8	197	-6.3	NA	
GIW-03	07/03/14	0.4	74.1	0	25.5	200	-5.9	NA	
GIW-03	07/07/14	0.6	73.1	0	26.3	200	-4.4	Y	
GIW-03	07/08/14	2	73.5	0	24.5	199	-5	N	(blown 1" rod seal)
GIW-03	07/09/14	0.3	73.2	0	26.5	198	-5	N	(replaced 1" rod seal, pump operational)
GIW-03	07/10/14	0.7	72.7	0	26.6	198	-4.3	Y	(refilled memo and 4-way oil)
GIW-03	07/11/14					157		Y	
GIW-03	07/14/14	0.9	72.3	0	26.8	196	-4.1	N	(hole in the HD piping)
GIW-03	07/15/14	0.5	74.8	0	24.7	191	-12	N	Decreased vac to -11.5 (hole in the HD piping)
GIW-03	07/16/14	0.5	74.4	0	25.1	195	-9.4	N	Decreased vac to -8.2 (hole in the HD piping, needs to be pulled and repaired)
GIW-03	07/17/14	0.7	72.9	0.3	26.1	195	-11	N	Decreased vac to -8.9 (hole in the HD piping, needs to be pulled and repaired)
GIW-03	07/18/14	0.6	69.9	1.1	28.4	194	-9.5	Y	Decreased vac to -8.8 (hole in the HD piping, needs to be pulled and repaired)
GIW-03	07/21/14	0.8	72.2	0	27	194	-8.8	N	Decreased vac to -6.9 (hole in the HD piping, needs to be pulled and repaired)
GIW-03	07/22/14	0.4	73.6	0	26	192	-9.2	N	Decreased vac to -7.9 (hole in the HD piping, needs to be pulled and repaired)
GIW-03	07/23/14	0.3	74.1	0	25.6	192	-4.8	N	(hole in the HD piping, needs to be pulled and repaired)
GIW-03	07/24/14	0.3	71.3	0	28.4	194	-4.5	N	(hole in the HD piping, needs to be pulled and repaired)
GIW-03	07/25/14	0.3	73.1	0	26.6	194	-4.4	N	(hole in the HD piping, needs to be pulled and repaired)
GIW-03	07/28/14	1.2	72.4	0	26.4	189	-10.2	N	Decreased vac to -9.3 (pull HD setup, cut hole out and re-weld pipe, pump operational)
GIW-03	07/29/14	1.1	42.7	8.6	47.6	172	0.8	Y	Increased vac to -10.6
GIW-03	07/30/14	2.2	16.8	15.6	65.4	160	-1.6	Y	Decreased vac to -0.8
GIW-03	07/31/14	1	70.8	0.3	27.9	190	-12.6	Y	Decreased vac to -10.5
GIW-03	08/01/14							Y	
GIW-03	08/04/14	0.4	72.6	0	27	188	-11.8	Y	Decreased vac to -9.6
GIW-03	08/05/14							Y	
GIW-03	08/06/14	0.3	74.2	0	25.5	192	-10.3	Y	Decreased vac to -8
GIW-03	08/07/14							Y	
GIW-03	08/08/14	0.4	73.2	0	26.4	195	-5	N	(hole in HD piping, need to pull and repair)
GIW-03	08/11/14	0.2	73.2	0	26.6	191	-5	N	(hole in HD piping, need to pull and repair)
GIW-03	08/12/14	0.4	68.4	1.3	29.9	187	-5	N	(hole in HD piping, need to pull and repair)
GIW-03	08/13/14	0.3	72.3	0	27.4	194	-4.1	N	(hole in HD piping, need to pull and repair)
GIW-03	08/14/14	0.3	71.1	0.8	27.8	195	-4.6	N	(hole in HD piping, need to pull and repair)
GIW-03	08/15/14	0.3	73.6	0.8	25.3	195	-3.9	N	(hole in HD piping, need to pull and repair)
GIW-03	08/18/14	0.5	71	0.6	27.9	195	-4.3	N	(hole in HD piping, need to pull and repair)
GIW-03	08/19/14	0.3	68.7	1.3	29.7	192	-5	N	(hole in HD piping, need to pull and repair)
GIW-03	08/20/14	0.3	69.4	0.4	29.9	192	-4	N	(hole in HD piping, need to pull and repair)
GIW-03	08/21/14	1.7	70.9	0	27.4	178	0.2	N	Increased vac to -4.4 (installed in HD piping at 45', pump operational and moving)
GIW-03	08/22/14	1.4	70	0	28.6	192	-10.6	Y	Decreased vac to -8.9
GIW-03	08/25/14	0.3	73.4	0	26.3	192	-4.6	Y	
GIW-03	08/26/14	0.2	72.1	0	27.7	191	-4.6	Y	
GIW-03	08/27/14	0.3	73.2	0	26.5	188	-4.5	Y	
GIW-03	08/28/14	1	69.9	0	29.1	191	-7.7	N	Decreased vac to -4.7 (replaced 1" rod seal, pump operational)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Adj. Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-03	08/29/14	0.4	73.6	0	26	188	-4.1	Y	
GIW-03	09/01/14							N	(1" rod seal needs to be replaced)
GIW-03	09/02/14	0.3	74	0	25.7	191	-4.3	N	(1" rod seal needs to be replaced)
GIW-03	09/03/14	0.2	73.1	0	26.7	195	-4.1	N	(1" rod seal needs to be replaced)
GIW-03	09/04/14	0.5	72.1	0	27.4	190	-5	N	(1" rod seal needs to be replaced)
GIW-03	09/05/14	0.3	69.6	1.1	29	194	-4	N	(replaced 1" rod seal, pump operational)
GIW-03	09/08/14							NA	(Not Available due to safe access conditions)
GIW-03	09/09/14							NA	(Not Available due to safe access conditions)
GIW-03	09/10/14							NA	(Not Available due to safe access conditions)
GIW-03	09/11/14							NA	(Not Available due to safe access conditions)
GIW-03	09/12/14							NA	(Not Available due to safe access conditions)
GIW-03	09/15/14							N	(replaced 1" rod seal, pump operational)
GIW-03	09/16/14							Y	
GIW-03	09/17/14							Y	
GIW-03	09/18/14							Y	
GIW-03	09/19/14	1.1	72.1	0	26.8	195	-5.9	N	(replaced 1" rod seal, pump operational)
GIW-03	09/22/14	0.9	74.1	0	25	180	-14.9	N	(replaced 1" rod seal)
GIW-03	09/23/14	0.5	71.8	0	27.7	175	-11.8	Y	Decreased vac to -11
GIW-03	09/24/14	0.9	84.5	0.4	14.2	176.3	-9.35	N	Decreased vac to -4.44 (replaced 1" rod seal)
GIW-03	09/25/14	2.4	61.5	0.3	35.8	185.7	-4.88	Y	
GIW-03	09/26/14	0.2	63.4	0.3	36.1	196.6	-4.08	Y	
GIW-03	09/29/14	3.5	65.2	0.3	31	192.6	-15.63	N	Decreased vac to -13.19 (Replaced 1" rod seal, pump operational)
GIW-03	09/30/14	0.4	63.6	0	36	196.6	-4.22	Y	
GIW-03	10/01/14	2.1	60.7	0.3	36.9	196	-4.56	N	(Replaced 1/4"x3" air nipple, pump operational)
GIW-03	10/02/14	2.9	69.9	0	27.2	196	-4.17	Y	
GIW-03	10/03/14							Y	
GIW-03	10/06/14	0.6	63.8	0	35.6	195.9	-4.48	Y	Decreased vac to -3.59
GIW-03	10/07/14							N	(1" rod seal needs replaced)
GIW-03	10/08/14							N	(1" rod seal needs replaced)
GIW-03	10/09/14							N	(Cooling System installed)
GIW-03	10/10/14							N/A	(Cooling System installed)
GIW-03	10/13/14							N/A	(Cooling System installed)
GIW-03	10/14/14							N/A	(Cooling System installed)
GIW-03	10/15/14							N/A	(Cooling System installed)
GIW-03	10/16/14							N/A	(Cooling System installed)
GIW-03	10/17/14							N/A	(Cooling System installed)
GIW-03	10/20/14							N/A	(Cooling System installed)
GIW-03	10/21/14							N/A	(Cooling System installed)
GIW-03	10/22/14							N/A	(Cooling System installed)
GIW-03	10/23/14							N/A	(Cooling System installed)
GIW-03	10/24/14							N/A	(Cooling System installed)
GIW-03	10/27/14							N/A	(Cooling System Installed)
GIW-03	10/28/14							N/A	(Cooling System Installed)
GIW-03	10/29/14	0.5	70.8	0.1	28.6	60	-21	N/A	Decreased vac to -20 (Cooling System Installed)
GIW-03	10/30/14	0.5	67.8	0.1	31.6	63	-17.3	N/A	(Cooling System Installed)
GIW-03	10/31/14	0.7	67.2	0	32.1	48	-17.7	N/A	Decreased vac to -17.5 (Cooling System Installed)
GIW-03	11/03/14	0.5	70.9	0	28.6	71	-16.5	N/A	Decreased vac to -7.4 (Cooling System Installed)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Adj. Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-03	11/04/14	0.4	74.4	0	25.2	53	-5.8	N/A	(Cooling System Installed)
GIW-03	11/05/14	0.6	69.2	0	30.2	54	-4.3	N/A	(Cooling System Installed)
GIW-03	11/06/14							N/A	(Cooling System Installed)
GIW-03	11/07/14	0.6	65.4	0	34	63	-4.1	N/A	(Cooling System Installed)
GIW-03	11/10/14							N/A	(Cooling System Installed)
GIW-03	11/11/14							N/A	(Cooling System Installed)
GIW-03	11/12/14	0.5	68.8	0	30.7	42	-4.7	N/A	Increased vac to -7.2 (Cooling System Installed)
GIW-03	11/13/14							N/A	(Cooling System Installed)
GIW-03	11/14/14	0.6	68.3	0	31.1	44	-4.7	N/A	(Cooling System Installed)

GIW-3 Wellhead Temperatures



GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-04	04/08/13	0.4	73.7	0	25.9	150	-0.7	N	
GIW-04	04/09/13	0.4	73.6	0.6	25.4	150	-0.4	Y	
GIW-04	04/10/13	0.4	75.1	0.2	24.3	150	-0.8	Y	
GIW-04	04/11/13	0.5	75.3	0.1	24.1	145	-0.5	Y	
GIW-04	04/12/13	0.5	75	0.1	24.4	140	-1.6	Y	
GIW-04	04/13/13	0.5	74.1	0.1	25.3	140	-2.7	Y	
GIW-04	04/14/13	0.5	78.5	0.1	20.9	160	0.6	Y	
GIW-04	04/15/13	0.6	75.2	0.2	24	160	-0.1	Y	
GIW-04	04/16/13	0.6	73.8	0.3	25.3	142	-0.6	Y	
GIW-04	04/17/13	0.6	74.4	0.2	24.8	145	-1.4	Y	
GIW-04	04/18/13	0.7	76.7	0.2	22.4	140	-2.7	Y	
GIW-04	04/19/13	0.7	73.2	0.5	25.6	145	-3	Y	
GIW-04	04/20/13	0.7	74.1	0.2	25	150	-2.3	Y	
GIW-04	04/21/13	0.7	73.6	0.8	24.9	150	-3.3	Y	
GIW-04	04/22/13	0.7	82.5	0.2	16.6	152	-2.4	Y	
GIW-04	04/23/13	0.8	73.2	0.6	25.4	150	-3.1	Y	
GIW-04	04/24/13	0.5	73.5	0	26	140	-4.8	Y	
GIW-04	04/25/13	0.5	73.2	0	26.3	148	-4.5	Y	
GIW-04	04/26/13	0.5	75.9	0.7	22.9	146	-4.4	Y	
GIW-04	04/27/13	0.6	75	1.1	23.3	160	-4.3	Y	
GIW-04	04/28/13	0.5	77.7	0.5	21.3	142	-4.4	Y	
GIW-04	04/29/13	0.5	77.8	0	21.7	160	-4.5	Y	
GIW-04	04/30/13	0.4	77.2	0.4	22	148	-4.3	Y	
GIW-04	05/01/13	0.4	78.6	0.1	20.9	158	-4.1	Y	
GIW-04	05/02/13	0.5	76.2	0.1	23.2	150	-4.3	Y	
GIW-04	05/03/13	0.5	73.7	0.4	25.4	145	-4.2	Y	
GIW-04	05/04/13	0.5	75.3	0.3	23.9	148	-4.2	Y	
GIW-04	05/05/13	0.4	76.2	0	23.4	143	-4.9	Y	Begin using fluke temp meter
GIW-04	05/06/13	0.5	76.4	0	23.1	152	-4.2	Y	
GIW-04	05/07/13	0.4	74.7	0.4	24.5	155	-4.2	Y	
GIW-04	05/08/13	0.4	74.8	0.2	24.6	151	-4.9	Y	
GIW-04	05/09/13	0.5	76.6	0	22.9	150	-1.1	Y	
GIW-04	05/10/13	0.5	78.1	0	21.4	153	-4.1	Y	
GIW-04	05/11/13	0.6	76.9	0.1	22.4	154	-6.2	Y	
GIW-04	05/12/13	1.8	77.4	0	20.8	144	-4.2	Y	
GIW-04	05/13/13	0.6	76.9	0	22.5	152	-4.1	Y	
GIW-04	05/14/13	0.9	76	0	23.1	153	-4.2	Y	
GIW-04	05/15/13	1.2	77.9	0	20.9	153	-4.4	Y	Installed check valve, replaced 1" rod seal
GIW-04	05/16/13	0.5	73.8	0.5	25.2	155	-4.5	Y	
GIW-04	05/17/13	0.4	75.1	0.6	23.9	155	-4.3	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-04	05/18/13	0.5	73.7	0.8	25	158	-4	Y	
GIW-04	05/19/13	0.4	78	0	21.6	158	-2.9	Y	
GIW-04	05/20/13	0.6	75.5	0.5	23.4	152	-4.2	Y	
GIW-04	05/21/13	0.4	73.8	0.6	25.2	150	-4.6	Y	
GIW-04	05/22/13	1.1	73.5	0.8	24.6	152	-4	Y	
GIW-04	05/23/13	0.5	74.5	0.6	24.4	144	-5.5	Y	
GIW-04	05/24/13	0.4	72.2	0.5	26.9	151	-4.6	Y	
GIW-04	05/25/13	0.8	74.6	0.7	23.9	153	-4.4	Y	
GIW-04	05/26/13	0.9	75	0.7	23.4	148	-4.2	Y	
GIW-04	05/27/13	4.7	74.7	0.5	20.1	152	-3	Y	
GIW-04	05/28/13	2.6	73.9	0.8	22.7	151	-3.5	Y	
GIW-04	05/29/13	0.6	74.4	0.3	24.7	152	-2.3	Y	Vacuum low, working on header
GIW-04	05/30/13	0.9	75	0.4	23.7	154	-3.3	Y	
GIW-04	05/31/13	1.4	75.4	0.3	22.9	153	-3.7	Y	
GIW-04	06/01/13	0.4	75.7	0.2	23.7	150	-3.9	Y	
GIW-04	06/02/13	0.5	77.3	0	22.2	154	-4	N	Replaced 4-way valve - pump operational
GIW-04	06/03/13	0.5	75	0	24.5	152	-2.5	Y	Working on available vac issue
GIW-04	06/04/13	0.5	77	0.3	22.2	153	-1.1	Y	Working on available vac issue
GIW-04	06/05/13	0.2	75.1	0.6	24.1	153	-0.5	Y	Working on available vac issue
GIW-04	06/06/13	0.5	75.2	0.7	23.6	155	-1.7	Y	Working on available vac issue
GIW-04	06/07/13	1.2	70.6	0.5	27.7	152	-1.9	Y	Working on available vac issue
GIW-04	06/08/13	0.6	72.5	0.3	26.6	150	-0.6	Y	Sag main header, jumper installed late 6-8
GIW-04	06/09/13	2.7	72.7	0.6	24	152	-3.1	Y	Vacuum restored
GIW-04	06/10/13	0.3	71	0.7	28	156	-5.1	Y	
GIW-04	06/11/13	0.3	75	0.2	24.5	154	-4.5	Y	
GIW-04	06/12/13	0.3	73.5	0	26.2	155	-4.1	N	Replaced 1-inch rod seal - pump operating
GIW-04	06/13/13	0.2	75.9	0	23.9	149	-4.4	Y	
GIW-04	06/14/13	2.4	71.5	0.3	25.8	155	-4.6	Y	
GIW-04	06/15/13	2.9	73.2	0.4	23.5	156	-4.1	Y	
GIW-04	06/16/13	0.4	75.1	0.1	24.4	158	-3	Y	
GIW-04	06/17/13	0.9	74.6	0.2	24.3	152	-5.9	Y	
GIW-04	06/18/13	1.7	74.4	0.2	23.7	154	-4.2	Y	
GIW-04	06/19/13	0.3	75.3	0.5	23.9	156	-4	Y	
GIW-04	06/20/13	0.5	79.2	0.5	19.8	156	-4.7	Y	
GIW-04	06/21/13	1.8	75.2	0	23	155	-4.7	Y	
GIW-04	06/22/13	1.8	73.8	0.3	24.1	158	-4.5	Y	
GIW-04	06/23/13	2.6	71.8	0.4	25.2	156	-4	Y	
GIW-04	06/24/13	0.2	73.4	0.3	26.1	151	-4.8	Y	
GIW-04	06/25/13	5.3	74.3	0.3	20.1	154	-4.6	Y	
GIW-04	06/26/13	0	72.5	1	26.5	155	-4.3	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-04	06/27/13	0.8	66.5	1.1	31.6	155	-4.2	Y	
GIW-04	06/28/13	1.8	75.2	0.2	22.8	156	-4.3	Y	
GIW-04	06/29/13	0.3	72.1	0.4	27.2	152	-4.2	Y	
GIW-04	06/30/13	0.4	73.9	0.5	25.2	155	-4.7	Y	
GIW-04	07/01/13	0.3	72.5	0.5	26.7	151	-4	Y	
GIW-04	07/02/13	0.3	74.8	0.2	24.7	153	-4.5	Y	
GIW-04	07/03/13	0.3	74.6	0.1	25	157	-4.1	Y	
GIW-04	07/04/13	1.2	69.8	0.3	28.7	157	-4.1	Y	
GIW-04	07/05/13	0.9	73.5	0.5	25.1	156	-4.2	Y	
GIW-04	07/06/13	0.3	74.8	0	24.9	155	-3.3	Y	
GIW-04	07/07/13	0.9	74.3	0.2	24.6	154	-4.3	Y	
GIW-04	07/08/13	0.3	72.7	1.5	25.5	155	-4.2	Y	
GIW-04	07/09/13	0.3	73	0.7	26	157	-4	Y	
GIW-04	07/10/13	2.6	74.8	0.6	22	151	-4.9	Y	
GIW-04	07/11/13	2.2	68.8	0.5	28.5	151	-4.1	Y	
GIW-04	07/12/13	0.2	73.5	0.1	26.2	157	-4	Y	
GIW-04	07/13/13	1.1	78.7	0.1	20.1	158	-4.2	Y	
GIW-04	07/14/13	0.7	74.4	0	24.9	157	-4.2	Y	
GIW-04	07/15/13	0.4	75.3	0	24.3	155	-4.8	Y	
GIW-04	07/16/13	0.8	80.6	0	18.6	158	-5.1	Y	
GIW-04	07/17/13	0.6	77.4	0.1	21.9	158	-4	Y	
GIW-04	07/18/13	0.3	75	0	24.7	158	-3.7	Y	
GIW-04	07/19/13	0.4	75.2	0.2	24.2	156	-3.9	Y	
GIW-04	07/20/13	0.4	77.3	0.2	22.1	158	-3.3	Y	
GIW-04	07/21/13	0.4	75.9	0.2	23.5	151	-4.2	Y	
GIW-04	07/22/13	0.4	75	0.4	24.2	154	-4.2	Y	
GIW-04	07/23/13	0.4	76.3	0	23.3	156	-4.7	Y	
GIW-04	07/24/13	1.3	73.2	0.4	25.1	155	-4.6	N	Replaced 4 way manifold - pump operational
GIW-04	07/25/13	1.5	74.3	0.4	23.8	155	-3.2	N	Replaced cylinder head - pump operatinal
GIW-04	07/26/13	0.3	73.2	0.6	25.9	153	-2.4	N	Replaced manifold muffler - pump operational
GIW-04	07/27/13	0.3	72.7	0	27	155	-3	Y	
GIW-04	07/28/13	2.3	73.5	0.2	24	155	-3.1	Y	
GIW-04	07/29/13	0.3	74.2	0	25.5	156	-2.9	Y	
GIW-04	07/30/13	1.9	72.1	0.8	25.2	155	-3.3	Y	
GIW-04	07/31/13	0.3	72.3	0.4	27	154	-2.2	Y	
GIW-04	08/01/13	0.3	75.1	0	24.6	155	-2.4	Y	
GIW-04	08/02/13	0.3	75.2	0	24.5	158	-2.9	Y	
GIW-04	08/03/13	1.3	74.5	0.2	24	156	-3.1	Y	
GIW-04	08/04/13	0.9	75.6	0.2	23.3	156	-2.7	Y	
GIW-04	08/05/13	1	74.8	0.4	23.8	156	-3.1	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-04	08/06/13	0.5	74.9	0.2	24.4	155	-2.1	N	Replaced 4way valve - pump operational
GIW-04	08/07/13	0.2	75.3	0	24.5	157	-3.7	Y	
GIW-04	08/08/13	0.3	74.2	0.1	25.4	156	-4.5	Y	
GIW-04	08/09/13	0.3	74.1	0.4	25.2	159	-4	Y	
GIW-04	08/10/13	0.3	75.2	0	24.5	157	-4.7	Y	
GIW-04	08/11/13	0.3	74.5	0.5	24.7	159	-4.5	Y	
GIW-04	08/12/13	1.8	75.2	0.3	22.7	157	-3.7	Y	
GIW-04	08/13/13	0.2	73.2	0.5	26.1	156	-4.7	Y	
GIW-04	08/14/13	0.4	72.2	0.2	27.2	157	-4.7	Y	
GIW-04	08/15/13	0.5	74.6	0	24.9	157	-4.5	Y	
GIW-04	08/16/13	0.5	75.3	0	24.2	160	-4.2	Y	
GIW-04	08/17/13	0.4	73.6	0	26	156	-4.7	Y	
GIW-04	08/18/13	0.6	75.8	0	23.6	157	-4.2	Y	
GIW-04	08/19/13	0.5	74.2	0	25.3	160	-4.2	Y	
GIW-04	08/20/13	0.6	72.9	0	26.5	157	-4.2	Y	
GIW-04	08/21/13	1.5	73.3	0	25.2	161	-3.9	Y	
GIW-04	08/22/13	1.1	74.8	0	24.1	159	-4.1	N	Repalce 1" rod seal - pump operational
GIW-04	08/23/13	0.3	72.8	0	26.9	160	-3.9	Y	
GIW-04	08/24/13	3.4	77.1	0.1	19.4	161	-3.2	Y	
GIW-04	08/25/13	0.3	77.2	0.4	22.1	158	-3.9	Y	
GIW-04	08/26/13	0.3	75.7	0	24	159	-3.9	Y	
GIW-04	08/27/13	0.3	72.7	0	27	159	-4.5	Y	
GIW-04	08/28/13	3.3	75.1	0	21.6	160	-1.7	Y	
GIW-04	08/29/13	0.4	75	0	24.6	162	-4	Y	
GIW-04	08/30/13	0.3	76.7	0.1	22.9	160	-3.5	Y	
GIW-04	08/31/13	0.3	74.2	0	25.5	157	-3.8	Y	Bottom seal replaced - pump operational
GIW-04	09/01/13	0.4	73.7	0.3	29.6	158	-4.1	Y	
GIW-04	09/02/13	0.3	75.7	0	24	158	-3.9	Y	
GIW-04	09/03/13	3.5	76.6	0.2	19.7	161	-3.9	Y	
GIW-04	09/04/13	0.7	72.8	0	26.5	159	-3.5	Y	
GIW-04	09/05/13	1	82.4	0	16.6	160	-3.6	Y	
GIW-04	09/06/13	0.4	79.5	0	20.1	161	-2.5	Y	
GIW-04	09/07/13	0.4	79	0	20.6	160	-3.4	Y	
GIW-04	09/08/13	0.2	83.8	0	16	158	-3	Y	
GIW-04	09/09/13	0.5	82.8	0	16.7	161	-2.4	Y	
GIW-04	09/10/13	3.5	87.7	0	8.8	162	-3.5	Y	
GIW-04	09/11/13	0.3	88.4	0	11.3	161	-2.7	Y	
GIW-04	09/12/13	2.3	85.8	0	11.9	160	-4.1	Y	
GIW-04	09/13/13	0.4	86.5	0	13.1	161	-2.5	Y	
GIW-04	09/14/13	0.2	86.7	0.3	12.8	159	-3.6	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-04	09/15/13	0.5	86.7	0.1	12.7	158	-3.1	N	Replaced 4 way valves-pump operational
GIW-04	09/16/13	0.3	79.7	0	20	157	-2.7	Y	
GIW-04	09/17/13	0.3	79	0	20.7	160	-2.6	Y	
GIW-04	09/18/13	0.2	79.3	0	20.5	159	-2.3	Y	
GIW-04	09/19/13	0.3	78.6	0	21.1	157	-2.3	Y	Replaced four way valve-pump operational
GIW-04	09/20/13	0.3	87.5	0	12.2	160	-2.4	Y	
GIW-04	09/21/13	0.2	79.1	0	20.7	158	-2.7	Y	
GIW-04	09/22/13	0.3	86.2	0.1	13.4	164	-2.2	Y	
GIW-04	09/23/13	0.4	86.3	0	13.3	161	-2.6	Y	
GIW-04	09/25/13	0.2	85.3	0.3	14.2	156	-5	Y	
GIW-04	09/26/13	0.6	84.1	0.4	14.9	156	-3.1	Y	
GIW-04	09/27/13	0.1	76.7	0.2	23	103	-2.2	NA	Removed pump-installed cooling loop
GIW-04	09/28/13	0.2	75.9	0	23.9	90	-5.3	NA	Removed pump-installed cooling loop
GIW-04	09/29/13	0.2	75.4	0.1	24.3	86	-5	NA	
GIW-04	09/30/13	0.1	76.1	0.3	23.5	91	-3.9	NA	
GIW-04	10/01/13	0.1	74.7	0.2	25	83	-4	NA	
GIW-04	10/02/13	0.2	73.3	0.8	25.7	99	-3	NA	
GIW-04	10/03/13	0.2	78.4	0.4	21	93	-4.7	NA	
GIW-04	10/04/13	0.2	74.3	0	25.5	94	-3.5	NA	
GIW-04	10/05/13	0.2	84.8	0.2	14.8	87	-5.4	NA	
GIW-04	10/06/13	0.2	80.8	0.1	18.9	70	-5.8	NA	
GIW-04	10/07/13	0.2	80.7	0.2	18.9	79	-3.9	NA	
GIW-04	10/08/13	0.7	83.6	0	15.7	91	-1.5	NA	
GIW-04	10/09/13	0.3	80.4	0.4	18.9	88	-2.2	NA	
GIW-04	10/10/13	0.4	81	0.4	18.2	91	-2.6	NA	
GIW-04	10/11/13	0.2	80.4	0.5	18.9	82	-3	NA	
GIW-04	10/12/13	0.4	80.2	0.6	18.8	82	-4.5	NA	
GIW-04	10/13/13	0.1	81.8	0.3	17.8	83	-3	NA	
GIW-04	10/14/13	0.2	81.3	0.2	18.3	75	-1.5	NA	
GIW-04	10/15/13	0.1	72.1	0.3	27.5	75	-4.7	NA	
GIW-04	10/16/13	0.2	76.8	0.3	22.7	70	-2.5	NA	
GIW-04	10/17/13	0.2	69.9	0.3	29.6	76	-3.4	NA	
GIW-04	10/18/13	0.2	78.2	0.5	21.1	73	-2.7	NA	
GIW-04	10/19/13	0.1	74.5	0.5	24.9	72	-4.8	NA	
GIW-04	10/20/13	0.2	75.3	0.4	24.1	80	-5.2	NA	
GIW-04	10/21/13	0.1	73.5	0.5	25.9	69	-5.7	NA	
GIW-04	10/22/13	0.1	83.3	0	16.6	66	-3.4	NA	
GIW-04	10/23/13	0.2	94.6	0	5.2	65	-3.9	NA	
GIW-04	10/24/13	0.2	80.6	0.7	18.5	54	-4	NA	
GIW-04	10/25/13	0.2	71.2	0.6	28	64	-5.5	NA	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-04	10/28/13	0.2	73.5	0.5	25.8	73	-4.9	NA	
GIW-04	10/29/13	0.2	75.1	0.6	24.1	63	-4.7	NA	
GIW-04	10/30/13	0.1	77.3	0.4	22.2	77	-3.3	NA	
GIW-04	10/31/13	0.2	77.3	0.6	21.9	71	-4	NA	
GIW-04	11/01/13	0.2	79	0.6	20.2	65	-4.2	NA	
GIW-04	11/04/13	0.4	75.5	0.6	23.5	63	-4.6	NA	
GIW-04	11/05/13	5.1	75.9	0.7	18.3	68	-4.8	NA	
GIW-04	11/06/13	0.2	76.5	0.6	22.7	55	-4.3	NA	
GIW-04	11/07/13	0.2	74.9	0.7	24.2	64	-4.2	NA	
GIW-04	11/08/13	0.2	76.9	0.7	22.2	68	-4.9	NA	
GIW-04	11/11/13	0.1	75.2	0.6	24.1	63	-5.3	NA	
GIW-04	11/12/13	0.1	79.7	0.9	19.3	50	-5.2	NA	
GIW-04	11/13/13	0.1	77.5	1	21.4	55	-5.7	NA	
GIW-04	11/14/13	0.1	81.4	0.6	17.9	67	-3.7	NA	
GIW-04	11/15/13	0.1	77.6	0.5	21.8	60	-2.4	NA	
GIW-04	11/18/13	0.4	78.7	0.8	20.1	65	-6.2	NA	
GIW-04	11/19/13	0.2	78.6	0.9	20.3	63	-5.5	NA	
GIW-04	11/20/13	0	75.2	0.6	24.2	52	-4.2	NA	
GIW-04	11/21/13	0.9	79.9	0.7	18.5	59	-4	NA	
GIW-04	11/22/13	0.1	81.6	0.3	18	48	-3.5	NA	
GIW-04	11/25/13	0.1	82	0.7	17.2	46	-6.3	NA	
GIW-04	11/26/13	0.1	75.9	0.8	23.2	48	-4.8	NA	
GIW-04	11/27/13	1.4	75.6	0.7	22.3	41	-6.6	NA	
GIW-04	11/28/13	0.2	72.7	0.5	26.6	52	-4.2	NA	
GIW-04	11/29/13	0.2	76.8	0.7	22.3	58	-5.4	NA	
GIW-04	12/02/13	0.1	72.3	0.7	26.9	59	-4.7	NA	
GIW-04	12/03/13	0.1	72	0.8	27.1	65	-5	NA	
GIW-04	12/04/13	0.2	73.5	0.4	25.9	67	-4.8	NA	
GIW-04	12/05/13	0.2	70.6	1.2	28	40	-4.1	NA	
GIW-04	12/09/13	0.2	79.5	0.3	20	95	-4.8	NA	
GIW-04	12/10/13	0.2	75.2	0.8	23.8	101	-4.7	NA	
GIW-04	12/11/13	0.3	78	0.4	21.3	124	-4.1	NA	
GIW-04	12/12/13	0.3	78.7	0	21	134	-0.2	NA	
GIW-04	12/13/13								
GIW-04	12/16/13								
GIW-04	12/17/13								
GIW-04	12/18/13								
GIW-04	12/19/13								
GIW-04	12/20/13								
GIW-04	12/23/13								

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-04	12/24/13								
GIW-04	12/25/13								
GIW-04	12/24/13	0.3	74.4	0.4	24.9	91	-17.2	NA	Reduced vac to -14.2 inches
GIW-04	12/26/13								
GIW-04	12/27/13								
GIW-04	12/30/13	0.3	72	1.6	26.1	72	-20.8	NA	Reduced vac to -18 inches
GIW-04	12/31/13	0.3	73.2	1.3	25.2	105	-16.7	NA	Reduced vac to -14.1 inches
GIW-04	01/01/14								
GIW-04	01/03/14								
GIW-04	01/13/14								
GIW-04	01/15/14								
GIW-04	01/17/14								
GIW-04	01/20/14								
GIW-04	01/22/14								
GIW-04	01/24/14								
GIW-04	01/27/14								
GIW-04	01/29/14								
GIW-04	02/03/14								
GIW-04	02/05/14								
GIW-04	02/07/14								
GIW-04	02/10/14								
GIW-04	02/12/14								
GIW-04	02/14/14								
GIW-04	02/17/14								
GIW-04	02/19/14								
GIW-04	02/21/14								
GIW-04	02/24/14	0.4	77.2	0	22.4	59	-4.2	NA	
GIW-01	02/26/14								
GIW-01	02/28/14								
GIW-01	03/03/14								
GIW-01	03/05/14								
GIW-01	03/07/14								
GIW-04	03/10/14	0.1	78.2	0	21.7	74	-6.9	NA	Reduced vac to -5.3 inches
GIW-04	03/12/14	0.2	77.6	0.1	22.1	47	-9.1	NA	
GIW-04	03/14/14	0.3	81	0	18.7	95	-4.6	NA	
GIW-04	03/31/14	0.3	81.4	0	18.3	91	-9.2	NA	reduced vac to -7.6 inches
GIW-04	04/02/14	0.3	80.4	0	19.3	92	-4.6	NA	
GIW-04	04/03/14	0.3	80.7	0	19	108	-4.6	NA	(cooling system installed)
GIW-04	04/05/14							NA	
GIW-04	04/07/14							NA	

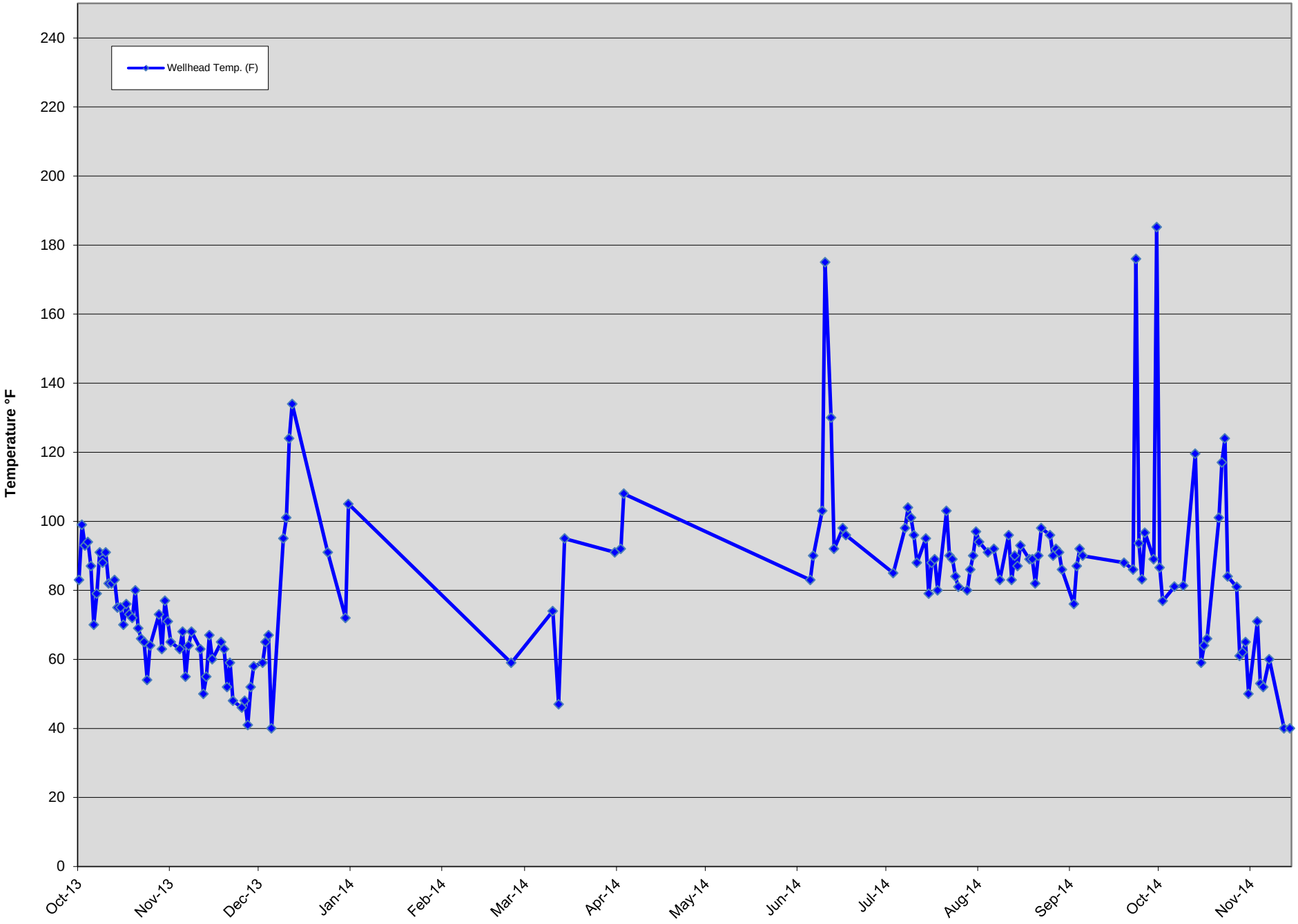
GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-04	04/08/14							NA	
GIW-04	04/09/14							NA	
GIW-04	04/10/14							NA	
GIW-04	04/11/14							NA	
GIW-04	04/14/14							NA	
GIW-04	04/15/14							NA	
GIW-04	04/16/14							NA	
GIW-04	04/17/14							NA	
GIW-04	04/18/14							NA	
GIW-04	04/21/14							NA	
GIW-04	04/22/14							NA	
GIW-04	04/23/14							NA	
GIW-04	04/24/14							NA	
GIW-04	04/25/14							NA	
GIW-04	04/28/14							NA	
GIW-04	04/29/14							NA	
GIW-04	04/30/14							NA	
GIW-04	05/01/14							NA	
GIW-04	05/02/14							NA	
GIW-04	05/05/14							NA	
GIW-04	05/06/14							NA	
GIW-04	05/07/14							NA	
GIW-04	05/08/14							NA	
GIW-04	05/09/14							NA	
GIW-04	05/12/14							NA	
GIW-04	05/13/14							NA	
GIW-04	05/16/14							NA	
GIW-04	05/19/14							NA	
GIW-04	05/20/14							NA	
GIW-04	05/21/14							NA	
GIW-04	05/22/14							NA	
GIW-04	05/23/14							NA	
GIW-04	05/27/14							NA	
GIW-04	05/28/14							NA	(cooling system installed)
GIW-04	05/29/14							NA	(cooling system installed)
GIW-04	05/30/14							NA	
GIW-04	06/02/14							NA	
GIW-04	06/03/14							NA	(cooling system installed)
GIW-04	06/04/14							NA	(cooling system installed)
GIW-04	06/05/14	0.1	77.5	0	22.4	83	-13.6	NA	Decreased vac to -13.2 (cooling system installed)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-04	06/06/14	0.4	72.1	0	27.5	90	-15.9	NA	Decreased vac to -11.1 (cooling system installed)
GIW-04	06/09/14	0.4	71.7	0	27.9	103	-11.4	NA	Decreased vac to -10.6 inches (cooling system installed)
GIW-04	06/10/14	0.3	77.5	0	22.2	175	38.9	na	
GIW-04	06/11/14							NA	(cooling system installed)
GIW-04	06/12/14	0.4	73.8	0	25.8	130	-9.8	NA	Decreased vac to -7.7 inches (cooling system installed)
GIW-04	06/13/14	0.3	74.3	0	25.4	92	-9.7	NA	Decreased vac to -7.9 inches (cooling system installed)
GIW-04	06/16/14	0.5	73.2	0.3	26	98	-10.4	NA	Decreased vac to -7 (cooling system installed)
GIW-04	06/17/14	0.3	75.5	0	24.2	96	-0.1	NA	Increased vac to -2.5 (cooling system installed)
GIW-04	06/23/14							NA	(cooling system installed)
GIW-04	06/24/14							NA	(cooling system installed)
GIW-04	06/25/14							NA	(cooling system installed)
GIW-04	06/26/14							NA	(cooling system installed)
GIW-04	06/27/14							NA	(cooling system installed)
GIW-04	06/30/14							NA	(cooling system installed)
GIW-04	07/01/14							NA	(cooling system installed)
GIW-04	07/03/14	0.3	71.1	0.9	27.7	85	-4.9	NA	(cooling system installed)
GIW-04	07/07/14	0.5	70.8	0.9	27.8	98	-4.8	NA	(cooling system installed)
GIW-04	07/08/14	1.2	77.3	0	21.5	104	-4.1	NA	(cooling system installed)
GIW-04	07/09/14	0.2	75.3	0	24.5	101	-4	NA	(cooling system installed)
GIW-04	07/10/14	0.5	73.2	0	26.3	96	-4.1	NA	(cooling system installed)
GIW-04	07/11/14	0.4	75	0	24.6	88	-5.1	NA	(cooling system installed)
GIW-04	07/14/14	0.4	74.3	0	25.3	95	-4.3	NA	(cooling system installed)
GIW-04	07/15/14	0.5	74.8	0	24.7	79	-9	NA	Decreased vac to -5.5 (cooling system installed)
GIW-04	07/16/14	0.3	75.5	0	24.2	88	-4.8	NA	(cooling system installed)
GIW-04	07/17/14	0.7	74.6	0	24.7	89	-5	NA	(cooling system installed)
GIW-04	07/18/14	0.3	75.2	0	24.5	80	-4.8	NA	(cooling system installed)
GIW-04	07/21/14	0.8	68.9	0.8	29.5	103	-5	NA	(cooling system installed)
GIW-04	07/22/14	0.3	73	0	26.7	90	-5.1	NA	(cooling system installed)
GIW-04	07/23/14	0.4	75.6	0	24	89	-5	NA	(cooling system installed)
GIW-04	07/24/14	0.2	73.2	0	26.6	84	-5	NA	(cooling system installed)
GIW-04	07/25/14	0.4	74.2	0	25.4	81	-4.1	NA	(cooling system installed)
GIW-04	07/28/14	0.4	75.3	0	24.3	80	-9.2	NA	Decreased vac to -8.1 (cooling system installed)
GIW-04	07/29/14	0.4	71	0	28.6	86	-4.2	NA	(cooling system installed)
GIW-04	07/30/14	0.3	74.1	0	25.6	90	-4.5	NA	(cooling system installed)
GIW-04	07/31/14	0.6	72.8	0	26.6	97	-0.8	NA	Increased vac to -1.9 (cooling system installed)
GIW-04	08/01/14	0.8	73.3	0	25.9	94	-4.3	NA	(cooling system installed)
GIW-04	08/04/14	0.4	70.9	0	28.7	91	-4	NA	(cooling system installed)
GIW-04	08/05/14							NA	(cooling system installed)
GIW-04	08/06/14	0.3	74.4	0	25.3	92	-4.8	NA	(cooling system installed)
GIW-04	08/07/14							NA	(cooling system installed)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-04	08/08/14	0.9	68.7	0	30.4	83	-4.1	NA	(cooling system installed)
GIW-04	08/11/14	0.2	75.5	0	24.3	96	-4.8	NA	(cooling system installed)
GIW-04	08/12/14	0.4	74.9	0	24.7	83	-5	NA	(cooling system installed)
GIW-04	08/13/14	0.4	74.2	0	25.4	90	-4.1	NA	
GIW-04	08/14/14	0.3	75.3	0	24.4	87	-4.5	NA	(cooling system installed)
GIW-04	08/15/14	0.3	74.7	0	25	93	-4.7	NA	(cooling system installed)
GIW-04	08/18/14	0.3	74.5	0	25.2	89	-4.4	NA	(cooling system installed)
GIW-04	08/19/14	0.5	74	0	25.5	89	-4.3	NA	(cooling system installed)
GIW-04	08/20/14	0.3	73.5	0	26.2	82	-5.2	NA	Decreased vac to -4.3 (cooling system installed)
GIW-04	08/21/14	0.3	72.5	0	27.2	90	3.3	NA	Increased vac to -0.6 (cooling system installed)
GIW-04	08/22/14	0.3	75	0	24.7	98	0.1	NA	Increased vac to -1.3 (cooling system installed)
GIW-04	08/25/14	0.3	74.3	0	25.4	96	4.9	NA	(cooling system installed)
GIW-04	08/26/14	0.3	72.5	0	27.2	90	5.9	NA	(cooling system installed)
GIW-04	08/27/14	0.3	74.2	0	25.5	92	3.1	NA	(cooling system installed)
GIW-04	08/28/14	0.4	73.7	0	25.9	91	2.7	NA	(cooling system installed)
GIW-04	08/29/14	0.3	74.5	0	25.2	86	3.7	NA	(cooling system installed)
GIW-04	09/01/14							NA	(cooling system installed)
GIW-04	09/02/14	0.3	75	0	24.7	76	3.8	NA	(cooling system installed)
GIW-04	09/03/14	0.4	72.9	0	26.7	87	5.2	NA	(cooling system installed)
GIW-04	09/04/14	0.4	73.4	0	26.2	92	4.3	NA	(cooling system installed)
GIW-04	09/05/14	0.3	73.3	0	26.4	90	4	NA	(cooling system installed)
GIW-04	09/08/14							NA	(Not Available due to safe access conditions)
GIW-04	09/09/14							NA	(Not Available due to safe access conditions)
GIW-04	09/10/14							NA	(Not Available due to safe access conditions)
GIW-04	09/11/14							NA	(Not Available due to safe access conditions)
GIW-04	09/12/14							NA	(Not Available due to safe access conditions)
GIW-04	09/15/14							NA	(cooling system installed)
GIW-04	09/16/14							NA	(cooling system installed)
GIW-04	09/17/14							NA	(cooling system installed)
GIW-04	09/18/14							NA	(cooling system installed)
GIW-04	09/19/14	0.5	74.8	0	24.7	88	2.6	NA	Decreased vac to 1.4 (cooling system installed)
GIW-04	09/22/14	0.9	72.9	0	26.2	86	1.2	NA	(cooling system installed)
GIW-04	09/23/14	0.6	72.8	0	26.6	176	4.3	NA	(cooling system installed)
GIW-04	09/24/14	0.6	76.6	0.4	22.4	93.6	2.89	NA	(cooling system installed)
GIW-04	09/25/14	2.3	55.8	0.3	41.6	83.2	0.15	NA	(cooling system installed)
GIW-04	09/26/14	0.3	63.5	0.5	35.7	96.7	-4.25	NA	(cooling system installed)
GIW-04	09/29/14	3	64.4	0.5	32.1	89	-11.9	NA	Decreased vac to -11.9 (Cooling system installed)
GIW-04	09/30/14	0.2	73.1	0	26.7	185.2	-9.28	NA	Decreased vac to -4.16 (Cooling system installed)
GIW-04	10/01/14	2.1	60.9	0.3	36.7	86.6	-4.76	NA	(cooling system installed)
GIW-04	10/02/14	2.1	64.1	0.1	33.7	76.9	-4.95	NA	(cooling system installed)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-04	10/03/14							NA	(cooling system installed)
GIW-04	10/06/14	0.5	60.3	0	39.2	81.1	-4.1	N/A	Increased vac to -4.51 (Cooling System installed)
GIW-04	10/07/14							N/A	(Cooling System installed)
GIW-04	10/08/14							N/A	(Cooling System installed)
GIW-04	10/09/14	0	55.1	0	44.9	81.3	-7.2	N/A	Decreased vac to -4.15 (Cooling System installed)
GIW-04	10/10/14							N/A	(Cooling System installed)
GIW-04	10/13/14	1	62.1	0	36.9	119.6	-4.63	N/A	(Cooling System installed)
GIW-04	10/14/14							N/A	(Cooling System installed)
GIW-04	10/15/14	0.4	49.5	6.5	43.6	59	-0.6	N/A	(Cooling System installed)
GIW-04	10/16/14	0.6	63.7	1.6	34.1	64	-8.9	N/A	Decreased vac to -5.9 (Cooling System installed)
GIW-04	10/17/14	0.5	71.1	0	28.4	66	0	N/A	Increased vac to -3.3 (Cooling System Installed)
GIW-04	10/20/14							N/A	(Cooling System Installed)
GIW-04	10/21/14	0.7	66.2	0	33.1	101	-13.5	N/A	Decreased vac to -12.6 (Cooling System Installed)
GIW-04	10/22/14	0.6	70.9	0	28.5	117	-13.9	N/A	Decreased vac to -13.1 (Cooling System Installed)
GIW-04	10/23/14	0.3	68.5	0	31.2	124	-12.4	N/A	Decreased vac to -11 (Cooling System Installed)
GIW-04	10/24/14	0.8	67.8	0.2	31.2	84	-4.2	N/A	(Cooling System Installed)
GIW-04	10/27/14	0.3	64.6	0	35.1	81	-12	N/A	Decreased vac to -8.6 (Cooling System Installed)
GIW-04	10/28/14	0.6	67.7	0.7	31	61	-18.9	N/A	Decreased vac to -15.9 (Cooling System Installed)
GIW-04	10/29/14	0.5	73.8	0	25.7	62	15.5	N/A	Increased vac to -7.3 (Cooling System Installed)
GIW-04	10/30/14	0.5	66.6	0.5	32.4	65	-15.7	N/A	Decreased vac to -12 (Cooling System Installed)
GIW-04	10/31/14	0.6	69.6	0.3	29.5	50	-4	N/A	(Cooling System Installed)
GIW-04	11/03/14	0.4	73.9	0.1	25.6	71	-4.2	N/A	(Cooling System Installed)
GIW-04	11/04/14	0.4	74	1.5	24.1	53	-3.4	N/A	(Cooling System Installed)
GIW-04	11/05/14	0.6	69.9	0	29.5	52	-4.4	N/A	(Cooling System Installed)
GIW-04	11/06/14							N/A	(Cooling System Installed)
GIW-04	11/07/14	0.4	74.1	0	25.5	60	-4	N/A	(Cooling System Installed)
GIW-04	11/10/14							N/A	(Cooling System Installed)
GIW-04	11/11/14							N/A	(Cooling System Installed)
GIW-04	11/12/14	0.6	69.9	0.6	28.9	40	-4.8	N/A	Decreased vac to -4.4 (Cooling System Installed)
GIW-04	11/13/14							N/A	(cooling system installed)
GIW-04	11/14/14	0.6	67.7	0	31.7	40	-4.4	N/A	(cooling system installed)

GIW-4 Wellhead Temperatures



GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-05	04/08/13	0.2	72.4	0	27.4	160	-0.1	N	
GIW-05	04/09/13	0.6	66.7	2.5	30.2	170	-0.3	Y	
GIW-05	04/10/13	0.3	72.5	0.3	26.9	170	-0.2	Y	
GIW-05	04/11/13	0.3	73.2	0.2	26.3	165	-0.5	Y	
GIW-05	04/12/13	0.3	72.5	0.2	27	160	-0.7	Y	
GIW-05	04/13/13	0.3	72.2	0.2	27.3	160	-0.9	Y	
GIW-05	04/14/13	0.2	75.1	0.2	24.5	160	1	Y	
GIW-05	04/15/13	0.7	72.3	0.3	26.7	170	-0.5	Y	
GIW-05	04/16/13	0.9	71.6	0.2	27.3	170	-1.8	Y	
GIW-05	04/17/13	1.8	71.3	0.3	26.6	160	-2.2	Y	
GIW-05	04/18/13	0.3	74.2	0.2	25.3	165	-1	Y	
GIW-05	04/19/13	1.8	69.4	1.2	27.6	165	-2.9	Y	
GIW-05	04/20/13	0.3	71.3	0.2	28.2	165	-2.6	Y	
GIW-05	04/21/13	1.1	70	0.8	28.1	172	-3	Y	
GIW-05	04/22/13	0.2	79.6	0.3	19.9	170	-2	Y	
GIW-05	04/23/13	0.4	71	0.5	28.1	170	-4.2	Y	
GIW-05	04/24/13	0.2	71.1	0	28.7	160	-4.3	Y	
GIW-05	04/25/13	0.3	69.9	0	29.8	165	-4.4	Y	
GIW-05	04/26/13	0.1	73.6	0.2	26.1	166	-4.6	Y	Removed B-Hawk, Installed AP4 Pump
GIW-05	04/27/13	0.2	74.3	0.6	24.9	155	-4.7	N	New AP4 not operating, will repair
GIW-05	04/28/13	0.1	75.7	0.3	23.9	150	-4.4	N	New AP4 not operating, will repair
GIW-05	04/29/13	0	75.6	0	24.4	160	-4.4	N	Replacing AP4 with Blackhawk
GIW-05	04/30/13	0	74.8	0.5	24.7	165	-4.3	N	Pump replaced will be operational today
GIW-05	05/01/13	0	77.4	0	22.6	160	-4.5	N	Operating but not moving liquid, will repair
GIW-05	05/02/13	0.1	74.1	0.1	25.7	165	-4.8	N	Operating but not moving liquid, will repair
GIW-05	05/03/13	0.2	71.6	0.4	27.8	160	-4.4	N	Operating but not moving liquid, will repair
GIW-05	05/04/13	0.1	72.1	0.5	27.3	160	-4.6	N	Operating but not moving liquid, will repair
GIW-05	05/05/13	0	74.6	0	25.4	161	-4.4	N	Begin using fluke temp meter
GIW-05	05/06/13	0.1	74.4	0	25.5	167	-4.9	Y	Pump repaired, moving liquid
GIW-05	05/07/13	0.1	70.9	0.6	28.4	170	-4.9	Y	
GIW-05	05/08/13	0.7	69.5	0.2	29.6	183	-4.4	Y	
GIW-05	05/09/13	0.2	73	0	26.8	179	-1.7	Y	
GIW-05	05/10/13	0.2	72.6	0	27.2	184	-3.7	Y	
GIW-05	05/11/13	0.5	71.3	0	28.2	186	-5.8	Y	
GIW-05	05/12/13	1	70	0	29	178	-4	Y	
GIW-05	05/13/13	0.2	70.1	0	29.7	187	-4.2	Y	
GIW-05	05/14/13	0.3	67.6	0	32.1	188	-4.1	Y	
GIW-05	05/15/13	1.4	71.3	0	27.3	184	-4.7	Y	Installed check valve
GIW-05	05/16/13	0.1	71.8	0.1	28	178	-4.7	Y	Replaced 4-way valve
GIW-05	05/17/13	0.1	71.9	0	28	180	-4	Y	
GIW-05	05/18/13	0.3	71.1	0.4	28.2	175	-4.6	Y	Replaced pump head
GIW-05	05/19/13	3.7	68	0.5	27.8	182	-4.1	Y	
GIW-05	05/20/13	0.9	70	0.2	28.9	182	-4.7	Y	
GIW-05	05/21/13	0.4	69.3	0.3	30	183	-4.7	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-05	05/22/13	0.7	68.5	0.5	30.3	184	-4.4	Y	
GIW-05	05/23/13	0.7	69.1	0.4	29.8	186	-4.9	Y	
GIW-05	05/24/13	0.1	67.2	0.7	32	180	-4.1	N	Replaced 4-way valve.
GIW-05	05/25/13	0.6	71.3	0.2	27.9	180	-4.6	Y	
GIW-05	05/26/13	1	69.6	0.9	28.5	182	-4.8	N	Replaced 4-way valve - pump operating
GIW-05	05/27/13	5.7	71	0.5	22.8	181	-4.1	Y	
GIW-05	05/28/13	0.7	69.6	0.8	28.9	182	-4.9	N	Replaced 4-way valve - pump operating
GIW-05	05/29/13	0.4	69.2	0.5	29.9	186	-5.3	Y	
GIW-05	05/30/13	1.5	68.7	0.5	29.3	187	-4	Y	
GIW-05	05/31/13	2.2	69.5	0.2	28.1	188	-4	Y	
GIW-05	06/01/13	0.4	67.3	0	32.3	190	-4.6	Y	
GIW-05	06/02/13	0.4	70.8	0	28.8	189	-4.2	Y	
GIW-05	06/03/13	0.2	69.8	0.3	29.7	185	-4.5	Y	
GIW-05	06/04/13	0.1	68	1.3	30.6	181	-4.3	Y	
GIW-05	06/05/13	2.2	68.5	1.3	28	181	-4.6	Y	
GIW-05	06/06/13	0	68.3	1.6	30.1	181	-8	Y	
GIW-05	06/07/13	1.6	65.3	0.9	32.2	176	-4.4	Y	
GIW-05	06/08/13	1.7	69.1	0.7	28.5	177	-4.3	Y	
GIW-05	06/09/13	0.2	70.4	0.2	29.2	178	-4.7	Y	Changed air box
GIW-05	06/10/13	0.2	70.8	0.3	28.7	177	-5.4	N	Replaced 4-way valve - pump operating
GIW-05	06/11/13	0.1	71.8	0	28.1	180	-4.3	Y	
GIW-05	06/12/13	0.1	72	0	27.9	178	-5	Y	
GIW-05	06/13/13	0.1	73.5	0	26.4	175	-4.3	Y	
GIW-05	06/14/13	1.3	69	0.3	29.4	179	-4.6	Y	Replaced air box
GIW-05	06/15/13	1.4	69.6	0.5	28.5	179	-4.1	N	Replaced air box
GIW-05	06/16/13	0.2	71.9	0.1	27.8	178	-4.4	Y	
GIW-05	06/17/13	0.3	72.2	0.1	27.4	174	-4.2	N	Rod separated form pump head
GIW-05	06/18/13	0	70.8	0.4	28.8	171	-4.1	N	Pump head repair complete, operational
GIW-05	06/19/13	0.3	72	0.6	27.1	168	-4.8	Y	Bottom seal bad, replaced
GIW-05	06/20/13	0	75.5	0.7	23.8	174	-4.7	Y	
GIW-05	06/21/13	0.4	72.2	0	27.4	174	-4.5	Y	
GIW-05	06/22/13	0.3	70.7	0.4	28.6	174	-4.4	Y	
GIW-05	06/23/13	0.7	69.3	0.2	29.8	176	-4.3	Y	
GIW-05	06/24/13	0	70.6	0.1	29.3	178	-4.9	Y	
GIW-05	06/25/13	2.3	71.5	0.4	25.8	180	-4.6	N	FG rod damaged, replaced, operational
GIW-05	06/26/13	0	70.6	0.4	29	177	-4.3	Y	
GIW-05	06/27/13	1	59.1	0.2	39.7	174	-4.3	N	Replaced 1-inch rod seal, pump operating
GIW-05	06/28/13	0.7	70.5	0.6	28.2	181	-4.4	N	Replaced cylinder cap, pump operating
GIW-05	06/29/13	0.2	66.2	0.4	33.2	178	-4.5	Y	
GIW-05	06/30/13	2	67.5	0.2	30.3	178	-4.2	Y	
GIW-05	07/01/13	4.5	65.1	0.9	29.5	182	-4	Y	
GIW-05	07/02/13	2.4	66.8	0.3	30.5	183	-4.5	Y	
GIW-05	07/03/13	2.7	64.8	0.3	32.2	181	-4.1	Y	
GIW-05	07/04/13	3	62.6	0.4	34	182	-4.1	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-05	07/05/13	2.5	65	0.5	32	180	-3.9	Y	
GIW-05	07/06/13	2.4	67.2	0	30.4	178	-4.3	Y	
GIW-05	07/07/13	3.9	66.9	0	29.2	184	-4	Y	
GIW-05	07/08/13	2.5	65	0.7	31.8	183	-4.6	Y	
GIW-05	07/09/13	3.4	66	0.9	29.7	180	-4.7	Y	
GIW-05	07/10/13	5.5	67.2	0.8	26.5	182	-4.7	Y	
GIW-05	07/11/13	8	63.8	0.5	27.7	183	-4.1	Y	
GIW-05	07/12/13	2.3	66.3	0	31.4	182	-4.1	Y	
GIW-05	07/13/13	3.3	69.8	0	26.9	193	-4.3	N	Poss Temp error-Repl 4-way valve,oprating
GIW-05	07/14/13	2.1	67.5	0	30.4	184	-4.1	Y	
GIW-05	07/15/13	2.4	71	0	26.6	186	-4.2	Y	
GIW-05	07/16/13	3.7	72.1	0	24.2	190	-4	Y	
GIW-05	07/17/13	2.5	70.9	0.1	26.5	187	-1.9	Y	
GIW-05	07/18/13	2.4	67.9	0	29.7	188	-2.8	Y	
GIW-05	07/19/13	3.1	68.3	0.1	28.5	187	-4.6	Y	
GIW-05	07/20/13	3.5	67.9	0.2	28.4	186	-3.2	Y	
GIW-05	07/21/13	2.5	68.1	0.2	29.2	185	-4.4	Y	
GIW-05	07/22/13	2.1	67.5	0.3	30.1	191	-4	Y	
GIW-05	07/23/13	0.3	69.2	0.2	30.3	189	-4.7	Y	
GIW-05	07/24/13	1.8	67.3	0.5	30.4	187	-4.1	Y	
GIW-05	07/25/13	0.1	71.5	0.4	28	189	-4.7	N	Replaced 4 way valve - pump operational
GIW-05	07/26/13	3	69.2	0.5	27.3	192	-0.5	Y	pressure error -hose kink with gem
GIW-05	07/27/13	0.1	67.6	0.4	31.9	189	-3.9	Y	
GIW-05	07/28/13	1.3	69.1	0.2	29.4	189	-4.5	Y	
GIW-05	07/29/13	0.2	69.1	0.2	30.5	189	-4.1	N	New seals replaced, pump operating
GIW-05	07/30/13	1.3	68.3	0	30.4	189	-4.1	Y	
GIW-05	07/31/13	0.1	66.2	0.5	33.2	190	-3.4	Y	
GIW-05	08/01/13	0.1	68.9	0.2	30.8	190	-5.1	Y	
GIW-05	08/02/13	0.1	69.2	0	30.7	192	-4	Y	
GIW-05	08/03/13	1.1	68.6	0.4	29.9	190	-4.7	Y	
GIW-05	08/04/13	0.9	69.5	0.4	29.2	190	-4.4	Y	
GIW-05	08/05/13	0.9	70.1	0.1	28.9	189	-4.7	Y	
GIW-05	08/06/13	0.5	70.7	0.1	28.7	189	-4.1	N	Replace 1" rod seals - pump operational
GIW-05	08/07/13	0	71.1	0	28.9	185	-4.8	Y	
GIW-05	08/08/13	0.2	70.1	0.1	29.6	189	-4.9	Y	
GIW-05	08/09/13	0.2	70.2	0.4	29.2	189	-4.2	Y	
GIW-05	08/10/13	0.1	70.1	0.3	29.5	189	-4.8	N	Replace 1" rod seals - pump operational
GIW-05	08/11/13	0.4	70.9	0.8	27.9	190	-4.5	Y	
GIW-05	08/12/13	2	70.5	0.5	27	191	-4.2	Y	
GIW-05	08/13/13	0.1	69.6	0.6	29.7	190	-4.7	Y	
GIW-05	08/14/13	0.4	68.3	0.4	30.9	189	-4.5	Y	
GIW-05	08/15/13	0.3	71.1	0	28.6	188	-4.5	Y	
GIW-05	08/16/13	0.4	71.4	0	28.2	190	-4.5	Y	
GIW-05	08/17/13	0.3	71.8	0	27.9	189	-4.7	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-05	08/18/13	0.5	71.7	0.1	27.7	189	-4.8	Y	
GIW-05	08/19/13	0.4	71.4	0.1	28.1	193	-4.2	Y	
GIW-05	08/20/13	0.4	72.1	0	27.5	190	-4.3	Y	
GIW-05	08/21/13	1.3	70	0	28.7	190	-4.5	Y	
GIW-05	08/22/13	1	71.8	0	27.2	188	-4.5	Y	
GIW-05	08/23/13	0.2	72.4	0	27.4	191	-4.3	Y	
GIW-05	08/24/13	11.3	71.7	0.3	16.7	188	-2.8	Y	
GIW-05	08/25/13	0.2	73.2	0.3	26.3	189	-4.5	Y	
GIW-05	08/26/13	0.2	74.3	0	25.5	187	-4.1	Y	
GIW-05	08/27/13	0.2	74.6	0	25.2	191	-4.6	Y	Replaced fiberglass rod - pump operational
GIW-05	08/28/13	0.1	69.6	0.8	29.5	191	-4.1	N	Replaced pump - pump operational
GIW-05	08/29/13	3.2	72.9	0	23.9	191	-6.3	N	Reinstalled pump - pump operational
GIW-05	08/30/13	0.2	70.2	0.8	28.8	191	-4.6	Y	
GIW-05	08/31/13	0.2	70.4	0.1	29.3	190	-4.4	Y	
GIW-05	09/01/13	0.2	71.5	0.4	29.1	191	-4.2	Y	
GIW-05	09/02/13	0.2	74	0.1	25.7	191	-4.2	Y	
GIW-05	09/03/13	6.5	69.7	0.6	23.2	194	-4.3	N	Replaced 1" rod seal - pump operational
GIW-05	09/04/13	0.6	72.1	0	27.3	194	-4.2	Y	
GIW-05	09/05/13	0.6	77	0	22.4	193	-4.7	N	Replaced 4 way valve - pump operational
GIW-05	09/06/13	0.2	78.1	0.1	21.6	194	-3.8	N	Replaced 1" rod seal - pump operational
GIW-05	09/07/13	0.3	78	0	21.7	192	-4.7	Y	
GIW-05	09/08/13	0.1	78	0	21.9	193	-2.8	Y	
GIW-05	09/09/13	0.3	77.2	0	22.5	194	-2.3	Y	
GIW-05	09/10/13	4.4	80.9	0.3	14.4	190	-4.7	Y	
GIW-05	09/11/13	0.1	82	0	17.9	191	-3.9	N	Replaced 4 way valve - pump operational
GIW-05	09/12/13	2.9	79.4	0	17.7	191	-4.3	Y	
GIW-05	09/13/13	1.4	79.9	0	18.7	194	-3	Y	
GIW-05	09/14/13	0	80.1	0.3	19.6	188	-4.3	Y	
GIW-05	09/15/13	0.5	80.2	0.2	19.1	189	-4.4	Y	
GIW-05	09/16/13	0.1	75.7	0	24.2	193	-2.6	Y	
GIW-05	09/17/13	0.1	73.9	0	26	194	-2.8	Y	Replaced 4way manifold-pump operational
GIW-05	09/18/13	0	75.1	0	24.9	194	-2.1	Y	
GIW-05	09/19/13	0.2	74.2	0	25.6	193	-2.2	Y	
GIW-05	09/20/13	0.2	80.6	0	19.2	192	-2.7	Y	
GIW-05	09/21/13	0.2	78.5	0	21.3	191	-2	Y	
GIW-05	09/22/13	0.1	79.8	0	20.1	195	-1.9	N	New pump installed - pump operational
GIW-05	09/23/13	0.2	79.6	0	20.2	193	-2.4	Y	
GIW-05	09/25/13	0.2	80.1	0.1	19.6	192	-4.3	Y	
GIW-05	09/26/13	0.6	78.7	0	20.7	193	-2.9	Y	
GIW-05	09/27/13	0	74.9	0	25.1	194	-0.7	N	Replaced 4 way valve - pump operational
GIW-05	09/28/13	0.2	74.6	0	25.2	194	-3.5	Y	
GIW-05	09/29/13	0.2	74.5	0	25.3	194	-3.5	Y	
GIW-05	09/30/13	0.1	75	0	24.9	195	-3	Y	
GIW-05	10/01/13	0.1	74.6	0	25.3	192	-2.7	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-05	10/02/13	0.1	17.4	16.3	66.2	172	-1.7	Y	2 loose bolts on flange - adjustment made and decreased O2 to 0
GIW-05	10/03/13	0.2	77	0	22.8	194	-0.8	Y	
GIW-05	10/04/13	0.2	72.3	0	27.5	192	-0.7	N	Replaced 1" rod seal - pump operational
GIW-05	10/05/13	0.2	79.5	0.2	20.1	191	-1.8	N	Replaced 1" rod seal - pump operational
GIW-05	10/06/13	0.2	74.2	1.2	24.4	192	-4	Y	
GIW-05	10/07/13	0.2	75.6	0.9	23.3	190	-3	Y	
GIW-05	10/08/13	0.7	80	0	19.3	193	-0.4	Y	
GIW-05	10/09/13	0.4	76.3	0.9	22.4	194	-1.9	Y	
GIW-05	10/10/13	0.5	78.9	0	20.6	195	-2.1	Y	Installed new PCP - pump operational
GIW-05	10/11/13	0.3	77.4	0.4	21.9	202	7.2	Y	Adjusted vac to obtain negative pressure
GIW-05	10/12/13	0.5	76.7	0	22.8	202	4.2	Y	Adjusted vac to obtain negative pressure
GIW-05	10/13/13	0.1	75.5	0	24.4	202	3.9	Y	
GIW-05	10/14/13	0.2	77.1	0	22.7	201	5.1	N	Well dewatered
GIW-05	10/15/13	0.2	72.4	0	27.4	181	-2.3	N	Well dewatered
GIW-05	10/16/13	0.2	74.1	0	25.7	163	-3.4	N	Well dewatered
GIW-05	10/17/13	0.2	71.6	0	28.2	175	-2.4	N	Well dewatered
GIW-05	10/18/13	0.2	73.1	0	26.7	172	-2.3	N	Well dewatered
GIW-05	10/19/13	0.2	79	0	20.8	160	-3	N	Programing issue with pump - service repair 10/30/2013
GIW-05	10/20/13	0.2	73.8	0	26	179	-3.8	N	Programing issue with pump - service repair 10/30/2013
GIW-05	10/21/13	0.2	79.2	0	20.6	173	-4.6	N	Programing issue with pump - service repair 10/30/2013
GIW-05	10/22/13	0.3	88.4	0	11.3	181	-3.5	N	Programing issue with pump - service repair 10/30/2013
GIW-05	10/23/13	0.2	86.8	0	13	178	-3.3	N	Programing issue with pump - service repair 10/30/2013
GIW-05	10/24/13	0.3	74.6	0	25.1	163	-1.9	N	Programing issue with pump - service repair 10/30/2013
GIW-05	10/25/13	0.2	74.5	0	25.3	185	-3.5	N	Programing issue with pump - service repair 10/30/2013
GIW-05	10/28/13	0.2	72.4	0	27.4	191	-1.7	N	Programing issue with pump - service repair 10/30/2013
GIW-05	10/29/13	0.2	74.4	0	25.4	184	-3.3	N	Programing issue with pump - service repair 10/30/2014
GIW-05	10/30/13	0.1	73.7	0	26.2	205	12	N	Well dewatered
GIW-05	10/31/13	0.3	74.5	0.1	25.1	187	-3.3	N	Well dewatered
GIW-05	11/01/13	0.2	75.7	0	24.1	181	-3.1	N	Well dewatered
GIW-05	11/04/13	0.4	74.4	0	25.2	185	-2.7	N	Well dewatered
GIW-05	11/05/13	6.2	74.5	0	19.3	186	-3.5	N	Well dewatered
GIW-05	11/06/13	0.2	74.8	0	25	173	-3.6	N	Well dewatered
GIW-05	11/07/13	0.2	73.4	0	26.4	186	-2.1	N	Well dewatered
GIW-05	11/08/13	0.2	75.2	0	24.6	186	-2.7	N	Well dewatered
GIW-05	11/11/13	0.2	74	0	25.8	187	-2.7	N	Well dewatered
GIW-05	11/12/13	0.1	79.3	0	20.6	182	-2.6	N	Well dewatered
GIW-05	11/13/13	0.2	77.5	0	22.3	185	-3.6	N	Well dewatered
GIW-05	11/14/13	0.2	78.7	0	21.1	183	-3.5	N	Well dewatered
GIW-05	11/15/13	0.1	74.9	0	25	188	-3.2	N	Well dewatered
GIW-05	11/18/13	0.1	76.3	0	23.6	183	-4.1	N	Well dewatered
GIW-05	11/19/13	0.3	75.9	0	23.8	193	-3.6	N	Well dewatered
GIW-05	11/20/13	0.1	71.7	0	28.2	190	-3.4	N	Well dewatered
GIW-05	11/21/13	0.1	76.4	0	23.5	190	-3.3	N	Well dewatered
GIW-05	11/22/13	0.1	78	0	21.9	175	-3.1	N	Well dewatered

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-05	11/25/13	0.2	79.1	0	20.7	195	-4.3	N	Well dewatered
GIW-05	11/26/13	0.1	70.8	0.4	28.7	187	-6.4	Y	Blackhawk pump re-installed - pump operational
GIW-05	11/27/13	0.2	77.1	0	22.7	181	-6.5	Y	
GIW-05	11/28/13	0.2	71.8	0	28	183	-2.8	Y	
GIW-05	11/29/13	0.2	76.8	0	23	186	-4.8	Y	
GIW-05	12/02/13	0.2	72.9	0	26.9	185	-4.3	Y	
GIW-05	12/03/13	0.2	72.4	0	27.4	182	-4.7	Y	
GIW-05	12/04/13	0.2	74.2	0	25.6	183	-4.5	Y	
GIW-05	12/05/13	0.2	56.9	4.3	38.6	165	-5.5	Y	Reduced vac to -4.5, O2 = 0%
GIW-05	12/09/13	0.2	74	0	25.8	165	-4.2	Y	
GIW-05	12/10/13	0.3	70.7	0	29	160	-5.3	Y	
GIW-05	12/11/13	0.3	71.5	0	28.2	168	-4.5	Y	
GIW-05	12/12/13	0.3	71.3	0.3	28.1	180	-4.8	Y	
GIW-05	12/13/13	0.3	73	0	26.7	186	0.6	Y	Increased vac to -1.2 inches
GIW-05	12/16/13	0.2	73.7	0	26.1	191	-4	Y	
GIW-05	12/17/13	0.6	73.9	0.2	25.3	179	-4.9	N	Replaced valve - pump operational
GIW-05	12/18/13	0.2	71.2	0	28.6	171	-4.3	Y	
GIW-05	12/19/13	0.3	72.9	0	26.8	179	-4.5	Y	
GIW-05	12/20/13	0.3	71.4	0	28.3	185	-4.1	Y	
GIW-05	12/23/13	0.2	70.3	0.2	29.3	160	-9.5	Y	Decreased vac to -7 inches
GIW-05	12/24/13	0.3	72.9	0	26.8	183	-4.2	Y	
GIW-05	12/25/13	0.1	73.5	0	26.4	160	-9.2	Y	Decreased vac to -4.8 inches
GIW-05	12/26/13	0.2	71.5	0	28.3	186	1	Y	Increased vac to -1.1 inches
GIW-05	12/27/13	0.2	71.1	0	28.7	181	-4.9	Y	
GIW-05	12/30/13	0.2	71.8	0	28	188	-4.3	Y	
GIW-05	12/31/13	0.2	71.4	0.1	28.3	180	-4.9	Y	
GIW-05	01/01/14	0.3	73	0	26.7	182	-1.2	NA	Increased vac to -2.1 inches
GIW-05	01/03/14	0.1	71.6	0	28.3	156	8.9	Y	Increased vac to -1.4 inches
GIW-05	01/13/14	0.2	72.6	0	27.2	161	13.1	Y	Increased vac to -1.4 inches
GIW-05	01/15/14	0	65	2.5	32.5	151	-5.1	Y	Decreased vac to -1.5 inches (pump eval on 16th)
GIW-05	01/17/14	0.1	73.4	0	26.5	160	0.7	Y	Increased vac to -2.4 inches
GIW-05	01/20/14	0.1	75.3	0	24.6	182	7	Y	Increased vac to -1.7 inches
GIW-05	01/22/14	0.1	73.8	0	26.1	135	-12.2	Y	Decreased vac to -4.7 inches
GIW-05	01/24/14	0	69.9	0	30.1	98	-7.4	Y	Decreased vac to -4.4 inches
GIW-05	01/27/14	0.1	71.5	0	28.4	98	-3	Y	Increased vac to -5.3 inches
GIW-05	01/29/14	0	69.4	0	30.6	117	-7.4	Y	Decreased vac to -4.3 inches
GIW-05	02/03/14	0	60.8	4.2	35	157	-5.9	N	Decreased vac to -4.6 inches (needs jetted)
GIW-05	02/05/14	0.1	53	5.8	41.1	120	-10.9	N	Decreased vac to -4.9 inches
GIW-05	02/07/14	0.2	72.5	0.1	27.2	169	1.4	N	Increased vac to -0.8 inches (needs rod)
GIW-05	02/10/14	0.1	61.2	3.4	35.3	151	-10.1	N	Decreased vac to -4.8 inches (need to replace rod)
GIW-05	02/12/14								
GIW-05	02/14/14								
GIW-05	02/17/14	0.2	72	0	27.8	122	-6.6	N	
GIW-05	02/19/14	0.3	73.9	0	25.8	180	-1.9	N	

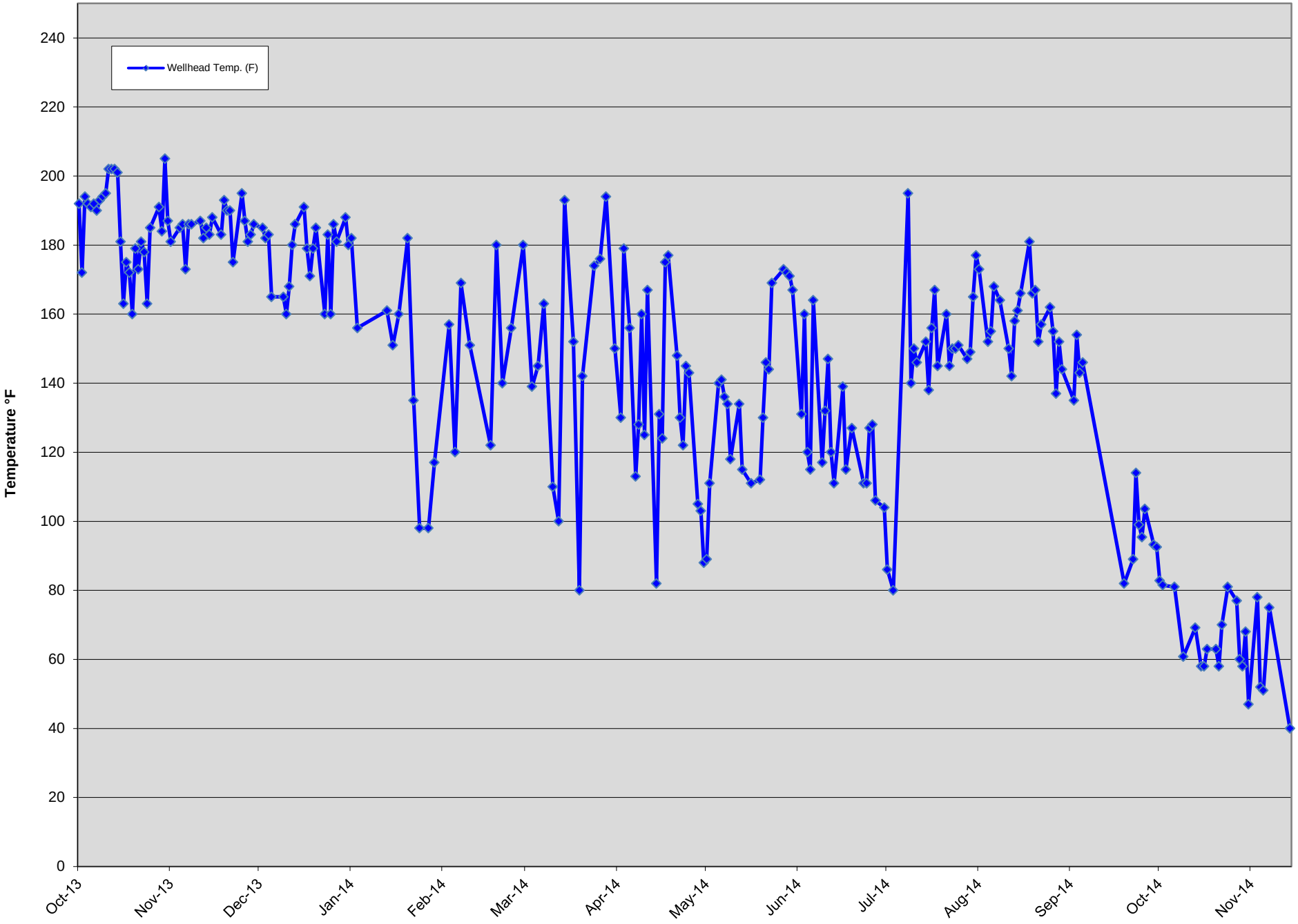
GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-05	02/21/14	0.2	71.5	0	28.3	140	-5.7	N	Decreased vac to -5.5 inches
GIW-05	02/24/14	0.3	71.4	0	28.3	156	-6.7	N	Decreased vac to -6.2 inches (new line set needed)
GIW-05	02/28/14	0.3	72.6	0	27.1	180	-4.5	N	rod seal replaced
GIW-05	03/03/14	0.6	74.9	0	24.5	139	-6.9	N	reduced vac to -6.6 inches (replaced 1" rod seal)
GIW-05	03/05/14	0.2	76	0	23.8	145	-9	Y	reduced vac to -7.1 inches
GIW-05	03/07/14	0.3	75.9	0	23.8	163	-11.3	N	reduced vac to -10.1 inches (needs foot valve)
GIW-05	03/10/14	0.1	73.9	0	26	110	-10.3	N	reduced vac to -8.9 inches (replaced 1" rod seal)
GIW-05	03/12/14	0.2	73.2	0	26.6	100	-13.4	Y	reduced vac to -8.9 inches
GIW-05	03/14/14	0.1	74.6	0.1	25.2	193	0.2	Y	reduced vac to -2.8 inches
GIW-05	03/17/14	0.3	76.2	0	23.5	152	-19	N	reduced vac to -18 inches (replaced 1" rod seal)
GIW-05	03/19/14	0.3	77	0	22.7	80	-16.3	Y	reduced vac to -15.6 inches
GIW-05	03/20/14	0.5	72.4	0	27.1	142	-12.9	N	reduced vac to -12.3 inches (replaced pump)
GIW-05	03/24/14	0.3	74.1	0.1	25.5	174	-7.9	N	decreased vac to -5.0 inches (replaced blackhawk pump)
GIW-05	03/26/14	0.3	74.1	0	25.6	176	21.7	Y	increased vac to -0.4 inches
GIW-05	03/28/14	0.4	73.8	0	25.8	194	20.2	Y	increased vac to -0.6 inches
GIW-05	03/31/14	0.3	74.1	0	25.6	150	-17.4	Y	reduced vac to -16.4 inches
GIW-05	04/02/14	0.4	73.2	0.2	26.2	130	-17.5	Y	reduced vac to -14.8 inches
GIW-05	04/03/14	0.3	74.2	0.2	25.3	179	-10.1	N	reduced vac to -9.5 inches (replaced 4 way valve)
GIW-05	04/05/14	0.9	73.9	0	25.2	156	-12.9	na	reduced vac to -10.6 inches
GIW-05	04/07/14	0.3	72.2	0.3	27.2	113	-14.6	Y	decreased vac to -9.5 inches
GIW-05	04/08/14	0.3	71	0	28.7	128	-6.8	Y	decreased vac to -4.9 inches
GIW-05	04/09/14	0.4	72.7	0	26.9	160	-0.7	N	decreased vac to -2.4 inches (replace valve)
GIW-05	04/10/14	1.5	72	0	26.5	125	-4.2	na	
GIW-05	04/11/14	0.2	73.3	0	26.5	167	14.1	na	increased vac to -0.9 inches
GIW-05	04/14/14	0.4	72.8	0.5	26.3	82	-17.9	N	decreased vac to -15.8 inches (bad valve)
GIW-05	04/15/14	0.8	72.5	0	26.7	131	-8	N	decreased vac to -6.1 inches (bad valve)
GIW-05	04/16/14	0.5	72.1	0	27.4	124	-4.7	N	(bad valve)
GIW-05	04/17/14	0.3	72	0	27.7	175	0.8	N	decreased vac to -0.6 inches (bad valve)
GIW-05	04/18/14	1.4	68.3	0	30.3	177	-8.6	na	decreased vac to -7.9 inches
GIW-05	04/21/14	0.4	70.4	0	29.2	148	-13.4	Y	decreased vac to -13.3 inches
GIW-05	04/22/14	0.3	71.9	0	27.8	130	-5	Y	
GIW-05	04/23/14	0.3	71.2	0	28.5	122	-14.4	Y	decreased vac to -13 inches
GIW-05	04/24/14	0.4	70.6	0	29	145	-12.1	Y	decreased vac to -10.7 inches
GIW-05	04/25/14	0.3	71.3	0	28.4	143	-10.9	Y	decrease vac to -9.8 inches
GIW-05	04/28/14	0.3	71.7	0	28	105	-8.8	Y	decreased vac to -7.1 inches
GIW-05	04/29/14	0.3	70.4	0	29.3	103	-1	N	increased vac to -1.7 inches (adjusted 4 way valve)
GIW-05	04/30/14	0.4	70.9	0	28.7	88	-15.5	Y	decreased vac to -11.1 inches
GIW-05	05/01/14	0.4	69.1	0.7	29.8	89	-19.3	na	decreased vac to -17.4 inches
GIW-05	05/02/14	0.4	72	0	27.6	111	0.5	Y	increased vac to -0.1 inches
GIW-05	05/05/14	0.6	71.5	0	27.9	140	-0.2	N	Increased vac to -1.1 inches (replaced rod seal)
GIW-05	05/06/14	0.3	67.3	0	32.4	141	-16.5	Y	decreased vac to -15.1 inches
GIW-05	05/07/14	1.5	68.4	0	30.1	136	-18.1	Y	decreased vac to -13.5 inches
GIW-05	05/08/14	0.2	68.5	0	31.3	134	-9.4	Y	decreased vac to -8.5 inches
GIW-05	05/09/14	0.3	69.1	0	30.6	118	-10.1	Y	decreased vac to -9.6 inches

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-05	05/12/14	0.3	69.8	0	29.9	134	2.3	Y	increased vac to -0.9 inches
GIW-05	05/13/14	0.4	67.9	0	31.7	115	3.5	Y	increased vac to -1.1 inches
GIW-05	05/16/14	0.4	68.2	0	31.4	111	-15.5	Y	decreased vac to -12.8 inches (evaluated on the 15th)
GIW-05	05/19/14	0.3	71.8	0	27.9	112	-10.5	Y	Decreased vac to -8.1 inches
GIW-05	05/20/14	0.3	71.9	0	27.8	130	2.4	na	Increased vac to -0.5 inches
GIW-05	05/21/14	0.3	68.3	0	31.4	146	-12.5	Y	Decreased vac to -11.6 inches
GIW-05	05/22/14	0.3	70.3	0	29.4	144	-15.3	Y	Decreased vac to -14.6 inches
GIW-05	05/23/14	0.6	71.2	0	28.2	169	1.9	na	Increased vac to -1.5 inches
GIW-05	05/27/14	0.3	70.2	0	29.5	173	-0.9	na	Increased vac to -1.1 inches
GIW-05	05/28/14	0.3	68.4	0	31.3	172	-1.3	Y	Increased vac to -2.1 inches
GIW-05	05/29/14	0.3	68.5	0	31.2	171	-0.8	Y	Increased vac to -1.2 inches
GIW-05	05/30/14	0.2	69.8	0	30	167	-1.6	na	Increased vac to -2.4 inches
GIW-05	06/02/14	0.3	70	0	29.7	131	-13.8	Y	Decreased vac to -11.2
GIW-05	06/03/14	0.3	69.3	0	30.4	160	-5	Y	
GIW-05	06/04/14	0.3	70.1	0	29.6	120	-9.4	Y	Decreased vac to -7.6
GIW-05	06/05/14	0.2	69.8	0	30	115	0	Y	Increased vac to -2.5
GIW-05	06/06/14	0.3	69.2	0	30.5	164	4.5	Y	Increased vac to -2.9
GIW-05	06/09/14	0.3	69.9	0	29.8	117	-10.7	Y	Decreased vac to -6.9 inches
GIW-05	06/10/14	0.3	69.7	0	30	132	-16.6	na	Decreased vac to -16.3 inches
GIW-05	06/11/14	0.3	68	0	31.7	147	7.2	Y	Increased vac to -2.4 inches
GIW-05	06/12/14	0.3	71.4	0	28.3	120	-16.2	Y	Decreased vac to -10.1 inches
GIW-05	06/13/14	0.5	69.7	0	29.8	111	-5.2	Y	Decreased vac to -5.1 inches
GIW-05	06/16/14	0.4	69.4	0	30.2	139	3.2	Y	Increased vac to -2.4
GIW-05	06/17/14	0.3	69.5	0	30.2	115	-2.8	Y	Increased vac to -4.1
GIW-05	06/19/14	0.3	69.1	0	30.6	127	0.3	Y	Increased vac to -2.5
GIW-05	06/23/14	0.3	68.2	0	31.5	111	-4.9	Y	
GIW-05	06/24/14	0.3	67.7	0	32	111	-4	Y	
GIW-05	06/25/14	0.4	67	0	32.6	127	-6.4	Y	No change in vac
GIW-05	06/26/14	0.7	67.2	0	32.1	128	-0.1	Y	Increased vac to -1.7
GIW-05	06/27/14	0.4	69.7	0	29.9	106	-5.1	Y	
GIW-05	06/30/14	0.5	71.2	0	28.3	104	-2.2	NA	Increased vac to -2.7
GIW-05	07/01/14	1.1	70.3	0	28.6	86	-5.2	NA	
GIW-05	07/03/14	0.7	72.4	0	26.9	80	-5.3	NA	
GIW-05	07/07/14							Y	
GIW-05	07/08/14	0.2	69.9	1	28.9	195	-1.9	Y	
GIW-05	07/09/14	0.2	43.5	7.7	48.6	140	-8.3	Y	Decreased vac to -7.9
GIW-05	07/10/14	0.3	51.9	5.9	41.9	150	-13.2	Y	Decreased vac to -6.4 (refilled memo and 4-way oil)
GIW-05	07/11/14	0.5	73.7	0	25.8	146	-5.3	Y	
GIW-05	07/14/14	0.4	68.3	0.8	30.5	152	-5	Y	
GIW-05	07/15/14	0.5	71.9	0	27.6	138	-9.2	Y	Decreased vac to -6.2
GIW-05	07/16/14	0.3	65.7	1.3	32.7	156	-4.3	Y	
GIW-05	07/17/14	0.5	73.2	0	26.3	167	2.5	Y	Increased vac to -0.9
GIW-05	07/18/14	0.4	58.2	4.3	37.1	145	-7.9	Y	Decreased vac to -5
GIW-05	07/21/14	0.5	70.1	0	29.4	160	-4.1	N	(replaced 1" rod seal, pump operational)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-05	07/22/14	0.5	72.1	0	27.4	145	-4.9	Y	
GIW-05	07/23/14	0.5	71.5	0	28	150	-4.1	Y	
GIW-05	07/24/14	0.7	71.2	0	28.1	150	-4	Y	
GIW-05	07/25/14	0.4	73.2	0	26.4	151	-4.8	Y	
GIW-05	07/28/14	0.6	72.1	0	27.3	147	-4.2	Y	
GIW-05	07/29/14	0.5	72.6	0	26.9	149	-4.8	Y	
GIW-05	07/30/14	0.4	72	0	27.6	165	-0.4	Y	Increased vac to -2
GIW-05	07/31/14	0.5	72.6	0	26.9	177	-4.7	Y	
GIW-05	08/01/14	0.4	70.8	0	28.8	173	-4.7	Y	
GIW-05	08/04/14	0.6	70.7	0	28.7	152	-5.1	Y	
GIW-05	08/05/14	0.9	70.9	0	28.2	155	-4.4	Y	
GIW-05	08/06/14	0.5	70.9	0	28.6	168	-4.9	Y	
GIW-05	08/07/14							Y	
GIW-05	08/08/14	0.5	71.1	0	28.4	164	-4.8	Y	
GIW-05	08/11/14	0.3	46.9	7.5	45.3	150	-4.4	Y	decreased vac to -3.3
GIW-05	08/12/14	0.5	70.9	0	28.6	142	-4	Y	
GIW-05	08/13/14	0.5	70.1	0	29.4	158	-4.7	Y	
GIW-05	08/14/14	0.4	71.4	0	28.2	161	-4.7	N	(replaced 1" rod seal, pump operational)
GIW-05	08/15/14	0.4	71.6	0	28	166	2.1	Y	
GIW-05	08/18/14	0.4	70.9	0	28.7	181	4.8	N	(replaced 4-way valve, pump operational)
GIW-05	08/19/14	0.5	70.6	0	28.9	166	5.3	Y	
GIW-05	08/20/14	0.4	71.3	0	28.3	167	6.8	Y	Increased vac to -10.1
GIW-05	08/21/14	0.6	67.4	0	32	152	-2.6	Y	Increased vac to -3.4
GIW-05	08/22/14	0.4	70.7	0	28.9	157	1.7	Y	Increased vac to -1.6
GIW-05	08/25/14	0.5	70.4	0	29.1	162	5.4	Y	
GIW-05	08/26/14	0.4	70.7	0	28.9	155	5.2	Y	
GIW-05	08/27/14	0.4	70.4	0	29.2	137	5.6	Y	
GIW-05	08/28/14	0.5	69.3	0	30.2	152	3.8	Y	
GIW-05	08/29/14	0.4	70.7	0	28.9	144	4.5	Y	
GIW-05	09/01/14							Y	
GIW-05	09/02/14	0.4	71.6	0	28	135	4.5	Y	
GIW-05	09/03/14	0.4	70.4	0	29.2	154	3.8	Y	
GIW-05	09/04/14	0.5	70.5	0	29	143	2.1	Y	
GIW-05	09/05/14	0.4	69.8	0	29.8	146	4.4	Y	
GIW-05	09/08/14							NA	(Not Available due to safe access conditions)
GIW-05	09/09/14							NA	(Not Available due to safe access conditions)
GIW-05	09/10/14							NA	(Not Available due to safe access conditions)
GIW-05	09/11/14							NA	(Not Available due to safe access conditions)
GIW-05	09/12/14							NA	(Not Available due to safe access conditions)
GIW-05	09/15/14							Y	
GIW-05	09/16/14							Y	
GIW-05	09/17/14							Y	(broken fiberglass rod)
GIW-05	09/18/14							Y	(broken fiberglass rod)
GIW-05	09/19/14	1.5	74.1	2.1	22.3	82	0.5	Y	(broken fiberglass rod)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-05	09/22/14	0.8	70.1	0.1	29	89	-1.7	Y	(replaced fiberglass rod - pump operational)
GIW-05	09/23/14	0.5	66.8	0	32.7	114	0.2	Y	
GIW-05	09/24/14	0.6	76.3	0.2	22.9	99	0.2	Y	
GIW-05	09/25/14	2.2	63.6	0.1	34.1	95.4	0.67	Y	
GIW-05	09/26/14	0.5	60.8	0.4	38.3	103.6	-11.84	N	Decreased vac to -4.3 (replaced 1" rod seal and 1/4" x 3" air nipple)
GIW-05	09/29/14	0.9	62.2	0.3	36.6	93.2	-16.67	N	Decreased vac to -5.31 (Replaced 1" rod seal, pump operational)
GIW-05	09/30/14	0.4	54.8	0.7	44.1	92.5	-4.17	Y	
GIW-05	10/01/14	0.9	63.6	0	35.5	82.8	-5.01	N	(replaced 1" rod seal, pump operational)
GIW-05	10/02/14	2.4	61.5	0	36.1	81.5	-4.95	Y	
GIW-05	10/03/14							N	(replaced 1" rod seal, pump operational)
GIW-05	10/06/14	6.1	56.7	0.2	37	81	-7.63	Y	Decreased vac to -4.08
GIW-05	10/07/14							N	(1" rod seal needs replaced)
GIW-05	10/08/14							N/A	(Cooling System installed)
GIW-05	10/09/14	0.3	60.9	0	38.8	60.8	-17.99	N/A	Decreased vac to -10.18 (Cooling System installed)
GIW-05	10/10/14							N/A	(Cooling System installed)
GIW-05	10/13/14	0.1	52.9	0.1	46.9	69.2	-4.26		
GIW-05	10/14/14								
GIW-05	10/15/14	0.6	58.1	2.6	38.7	58	-17.9		Decreased vac to -14
GIW-05	10/16/14	0.6	67.5	0.2	31.7	58	-17.7		Decreased vac to -16.5
GIW-05	10/17/14	0.5	65.4	0.4	33.7	63	-14.7		Decreased vac to -11.8
GIW-05	10/20/14	0.2	27	13.3	59.5	63	-5.3	N/A	Decreased vac to -4.5 (Cooling System Installed)
GIW-05	10/21/14	0.5	71.4	0	28.1	58	-2.1	N/A	Increased vac to -3.1 (Cooling System Installed)
GIW-05	10/22/14	0.4	69.1	0.3	30.2	70	-12.7	N/A	Decreased vac to -6 (Cooling System Installed)
GIW-05	10/23/14							N/A	(Cooling System Installed)
GIW-05	10/24/14	0.4	49.3	6.7	43.6	81	-16.5	N/A	Decreased vac to -8.3 (Cooling System Installed)
GIW-05	10/27/14	0.5	66.6	0	32.9	77	-18.7	N/A	Decreased vac to -18.5 (Cooling System Installed)
GIW-05	10/28/14	0.5	62.6	1.4	35.5	60	-20.1	N/A	Decreased vac to -16.9 (Cooling System Installed)
GIW-05	10/29/14	0.6	67.9	0	31.5	58	-14.5	N/A	Decreased vac to -9.6 (Cooling System Installed)
GIW-05	10/30/14	0.7	68.6	0	30.7	68	1.4	N/A	Increased vac to -3 (Cooling System Installed)
GIW-05	10/31/14	0.4	53.1	5.2	41.3	47	-8.7	N/A	Decreased vac to -8.6 (Cooling System Installed)
GIW-05	11/03/14	0.5	65.8	1.6	32.1	78	-0.4	N/A	(Cooling System Installed)
GIW-05	11/04/14	0.6	61.2	3.9	34.3	52	-0.4	N/A	(Cooling System Installed)
GIW-05	11/05/14	0.7	66.5	0	32.8	51	0.1	N/A	Increased vac to -17 (Cooling System Installed)
GIW-05	11/06/14							N/A	(Cooling System Installed)
GIW-05	11/07/14	0.5	64.3	1.3	33.9	75	-17.1	N/A	Decreased vac to -16.7 (Cooling System Installed)
GIW-05	11/10/14							N/A	(Cooling System Installed)
GIW-05	11/11/14							N/A	(Cooling System Installed)
GIW-05	11/12/14							N/A	(Cooling System Installed)
GIW-05	11/13/14							N/A	(Cooling System Installed)
GIW-05	11/14/14	0.5	66.7	0.8	32	40	-11.9	N/A	Decreased vac to -11.5 (Cooling System Installed)

GIW-5 Wellhead Temperatures



GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-06	04/08/13	0.5	75.3	0	24.2	150	-0.7	N	
GIW-06	04/09/13	0.3	76.2	0	23.5	152	-3.1	Y	
GIW-06	04/10/13	0.2	76.1	0.3	23.4	155	-2.3	Y	
GIW-06	04/11/13	0.3	77.2	0.1	22.4	140	-1.5	Y	
GIW-06	04/12/13	0.4	76.2	0.2	23.2	140	-1.1	Y	
GIW-06	04/13/13	0.3	76.1	0.2	23.4	145	1.6	Y	
GIW-06	04/14/13	0.3	77.6	0.2	21.9	150	-0.6	Y	
GIW-06	04/15/13	0.4	76.5	0.3	22.8	140	-2	Y	
GIW-06	04/16/13	0.3	75.9	0.2	23.6	150	-1.4	Y	
GIW-06	04/17/13	0.3	75.5	0.3	23.9	155	-2.1	Y	
GIW-06	04/18/13	0.3	78.2	0.2	21.3	140	-1.8	Y	
GIW-06	04/19/13	0.4	74.1	1	24.5	140	-2.4	Y	
GIW-06	04/20/13	0.5	75.1	0.2	24.2	156	-2.2	Y	
GIW-06	04/21/13	0.6	74.2	0.8	24.4	155	-2	Y	
GIW-06	04/22/13	0.4	83.6	0.2	15.8	158	-2.2	Y	
GIW-06	04/23/13	0.4	75.1	0.4	24.1	155	-4.2	Y	
GIW-06	04/24/13	0.2	74.3	0.3	25.2	150	-4.1	Y	
GIW-06	04/25/13	0.2	74.1	0	25.7	150	-3.4	Y	
GIW-06	04/26/13	0.1	77.2	0.3	22.4	148	-4.7	Y	
GIW-06	04/27/13	0.2	77.1	0.8	21.9	150	-4.5	Y	
GIW-06	04/28/13	0.2	79.8	0.4	19.6	148	-4.3	Y	
GIW-06	04/29/13	0.1	78.3	0	21.6	155	-3.9	Y	
GIW-06	04/30/13	0.1	78.6	0.5	20.8	166	-4.5	Y	
GIW-06	05/01/13	0	81.1	0	18.9	165	-4.5	Y	
GIW-06	05/02/13	0.1	77.2	0.2	22.5	155	-4.4	Y	
GIW-06	05/03/13	0.2	76.2	0	23.6	160	-4.8	Y	
GIW-06	05/04/13	0.1	77	0.2	22.7	158	-4.2	Y	
GIW-06	05/05/13	0.1	78.3	0.3	21.3	152	-4.6	Y	Begin using fluke temp meter
GIW-06	05/06/13	0.2	77.5	0	22.3	160	-4.3	Y	
GIW-06	05/07/13	0.1	76.1	0.4	23.4	159	-5	Y	
GIW-06	05/08/13	0.2	75	0.3	24.5	158	-4.3	Y	
GIW-06	05/09/13	0.3	78.5	0	21.2	160	-6.2	Y	
GIW-06	05/10/13	0.2	79.1	0	20.7	159	-4.1	Y	Replaced piston
GIW-06	05/11/13	0.3	79.2	0	20.5	154	-4.4	Y	
GIW-06	05/12/13	0.9	78.1	0	21	161	-4.8	Y	
GIW-06	05/13/13	0.5	75.7	0	23.8	133	-4.4	Y	Pulled pump and replaced seals
GIW-06	05/14/13	0.3	77.9	0	21.8	162	-4.3	Y	Replaced fibergalss rod
GIW-06	05/15/13	0.4	79.3	0	20.3	162	-4.7	Y	Installed check valve, replaced 1" rod seal
GIW-06	05/16/13	0.1	77.1	0	22.8	166	-4.4	Y	
GIW-06	05/17/13	0.1	78	0	21.9	162	-4.6	Y	
GIW-06	05/18/13	0.2	75.9	0.3	23.6	162	-4.1	Y	
GIW-06	05/19/13	2.4	76.8	0.3	20.5	166	-4.9	Y	Replaced rod and piston
GIW-06	05/20/13	0.3	77.8	0	21.9	162	-4.9	Y	
GIW-06	05/21/13	0.1	76.1	0.3	23.5	160	-4.6	Y	
GIW-06	05/22/13	0.3	76	0.5	23.2	166	-4.8	Y	
GIW-06	05/23/13	0.3	77.2	0.1	22.4	160	-5.2	Y	Shortened down tube and rod 2-ft.
GIW-06	05/24/13	0.2	75	0.1	24.7	164	-4.2	Y	
GIW-06	05/25/13	0.7	77.1	0.1	22.1	161	-4.8	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-06	05/26/13	1	77.4	0.3	21.3	161	-4.9	Y	
GIW-06	05/27/13	0.8	78.3	0.4	20.5	166	-4.8	Y	
GIW-06	05/28/13	0.3	76.9	0.4	22.4	160	-4.7	Y	
GIW-06	05/29/13	0.4	76.1	0.3	23.2	162	-4.5	Y	
GIW-06	05/30/13	0.7	77.2	0.2	21.9	168	-4.7	Y	
GIW-06	05/31/13	1.4	77.6	0	21	162	-4.3	Y	
GIW-06	06/01/13	0.2	77.6	0	22.2	167	-4.5	Y	
GIW-06	06/02/13	0.3	79.4	0	20.3	161	-4.1	Y	
GIW-06	06/03/13	0.2	77.7	0	22.1	168	-4.3	Y	Installed new blackhawk 103
GIW-06	06/04/13	0.1	75.6	0.4	23.9	170	-4.7	Y	
GIW-06	06/05/13	0.2	76.9	0.4	22.5	168	-4.7	Y	
GIW-06	06/06/13	1.3	75.8	0.7	22.2	169	-4.8	Y	
GIW-06	06/07/13	3	71.7	0.5	24.8	173	-4.7	N	Repl. air driver and 4-way valve -operating
GIW-06	06/08/13	1.6	76.6	0.1	21.7	175	-4.9	Y	
GIW-06	06/09/13	0.6	74.7	0.1	24.6	174	-4.3	Y	
GIW-06	06/10/13	1.6	74.6	0.4	23.4	173	-4.2	N	Pump silted, cleaned, pump operating
GIW-06	06/11/13	0.2	76.6	0	23.2	176	-4.7	N	Replaced 4-way valve - pump operating
GIW-06	06/12/13	0.8	74.4	0	24.8	176	-4	Y	
GIW-06	06/13/13	0.2	76.4	0.2	23.2	172	-4.8	Y	
GIW-06	06/14/13	2	73.2	0.3	24.5	173	-4.1	Y	
GIW-06	06/15/13	7.4	72.7	0.5	19.4	170	-4.5	N	Replaced air box
GIW-06	06/16/13	0.1	75.7	0.2	24	168	-4.6	Y	
GIW-06	06/17/13	1.2	76.7	0	22.1	167	-4.4	N	Air box stalled, repaired, operational
GIW-06	06/18/13	0.6	77	0.1	22.3	168	-4.2	N	Pump stalled, repaired, operational
GIW-06	06/19/13	0.5	77.1	0.5	21.9	170	-4	N	Air box replaced, pump operational
GIW-06	06/20/13	0.3	80.5	0.7	18.5	172	-4.4	Y	
GIW-06	06/21/13	0.5	76.3	0.3	22.9	173	-4.2	Y	
GIW-06	06/22/13	0.9	75.8	0.3	23	170	-4.2	Y	
GIW-06	06/23/13	2.5	73.8	0.1	23.6	164	-4.7	Y	
GIW-06	06/24/13	0	76.1	0	23.9	165	-4.5	Y	
GIW-06	06/25/13	0.1	75.9	0.6	23.4	161	-4.5	N	footvalve silted, cleaned, operational
GIW-06	06/26/13	0	75.5	0.7	23.8	170	-4.1	Y	
GIW-06	06/27/13	2.1	66.3	1.4	30.2	173	-4.1	Y	Peplaced 2-inch wellhead fitting
GIW-06	06/28/13	2.2	75.9	0.4	21.5	160	-4.1	Y	
GIW-06	06/29/13	0.2	72.8	0.3	26.7	163	-4.2	Y	
GIW-06	06/30/13	0	74.8	0.7	24.5	165	-4.8	Y	
GIW-06	07/01/13	0.2	74.1	0.6	25.1	168	-4	Y	
GIW-06	07/02/13	0.2	76.7	0.1	23	165	-4.8	Y	
GIW-06	07/03/13	0.2	75.7	0.3	23.8	167	-4.2	Y	
GIW-06	07/04/13	1.2	71	0.1	27.7	167	-4.3	Y	
GIW-06	07/05/13	0.5	76.3	0.4	22.8	169	-4.1	Y	
GIW-06	07/06/13	0.4	75.7	0.2	23.7	171	-4.5	Y	
GIW-06	07/07/13	1.1	76.4	0	22.5	171	-4.3	Y	
GIW-06	07/08/13	0.1	74.2	0.8	24.9	168	-4	Y	
GIW-06	07/09/13	0.4	78.4	0.6	20.6	169	-4.8	Y	
GIW-06	07/10/13	1.3	76.9	0.8	21	168	-4.6	Y	
GIW-06	07/11/13	3.9	73.4	0.9	21.8	172	-4.6	Y	
GIW-06	07/12/13	0.1	76	0	23.9	172	-4.1	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-06	07/13/13	0.9	78.1	0	21	172	-4.4	Y	
GIW-06	07/14/13	0.3	76.6	0	23.1	175	-4.6	Y	
GIW-06	07/15/13	0.4	75.2	0	24.4	171	-4.4	Y	
GIW-06	07/16/13	0.5	81.8	0	17.7	176	-4.9	Y	
GIW-06	07/17/13	0.1	79.6	0.4	19.9	174	-3.9	Y	
GIW-06	07/18/13	0.3	77.2	0.1	22.4	176	-4.5	Y	
GIW-06	07/19/13	0.2	76.6	0.4	22.8	172	-4.7	Y	
GIW-06	07/20/13	2.1	76.3	0.2	21.4	173	-4.2	Y	
GIW-06	07/21/13	0.2	78.3	0.1	21.4	171	-4.7	Y	
GIW-06	07/22/13	1.1	76.6	0.3	22	176	-5.8	Y	
GIW-06	07/23/13	0.4	77.1	0.2	22.3	174	-4.8	Y	
GIW-06	07/24/13	3.2	74.7	0.4	21.7	177	-4.3	Y	
GIW-06	07/25/13	0.1	78.3	0.4	21.2	178	-3.5	Y	
GIW-06	07/26/13	2.2	74.7	0.9	22.2	173	-4	Y	
GIW-06	07/27/13	0.1	74.6	0.2	25.1	176	-4.5	Y	
GIW-06	07/28/13	3.9	74.8	0.1	21.2	177	-4.4	Y	
GIW-06	07/29/13	0.1	73.9	0.2	25.8	178	-4.2	Y	
GIW-06	07/30/13	3.1	75	0.2	21.7	176	-5	Y	
GIW-06	07/31/13	0.1	74.5	0.5	24.9	176	-3.8	N	Cleaned manifold filter/pump operational
GIW-06	08/01/13	0.1	76.7	0.1	23.1	178	-3.5	Y	
GIW-06	08/02/13	0.1	77	0.1	22.8	175	-5.5	Y	
GIW-06	08/03/13	1.3	75.1	0.4	23.2	171	-4.1	Y	
GIW-06	08/04/13	1.9	77.4	0.1	20.6	178	-4	Y	
GIW-06	08/05/13	1.2	77	0.1	21.7	168	-5	Y	
GIW-06	08/06/13	1.4	76.8	0.2	21.6	175	-3.7	N	Replaced 1" rod seal - pump operational
GIW-06	08/07/13	0	73.8	0	26.2	168	-4.7	Y	
GIW-06	08/08/13	0.2	76.7	0	23.1	171	-4.4	Y	
GIW-06	08/09/13	0.2	75.6	0.5	23.7	175	-4.2	Y	
GIW-06	08/10/13	0.1	76.7	0.3	22.9	171	-4.9	N	Replaced 1" rod seal - pump operational
GIW-06	08/11/13	0.9	79.1	0.6	19.4	172	-4	Y	
GIW-06	08/12/13	4	76.4	0.5	19.1	177	-4	Y	
GIW-06	08/13/13	0.2	75.4	0.6	23.8	175	-4	Y	
GIW-06	08/14/13	0.4	74.1	0.2	25.3	176	-4.7	Y	
GIW-06	08/15/13	0.9	77.6	0	21.5	179	-4.5	Y	
GIW-06	08/16/13	0.6	77.8	0	21.6	180	-4.2	Y	
GIW-06	08/17/13	0.3	72.9	0	26.8	171	-4.3	Y	
GIW-06	08/18/13	0.5	77.8	0	21.7	170	-4.6	Y	
GIW-06	08/19/13	0.4	75.4	0.1	24.1	178	-4.5	Y	
GIW-06	08/20/13	0.4	71.6	0	28	179	-4.6	Y	
GIW-06	08/21/13	1.6	75.4	0	23	172	-5.5	Y	
GIW-06	08/22/13	1	76.6	0	22.4	173	-4	Y	
GIW-06	08/23/13	0.2	73.5	0	26.3	179	-4.3	N	Replaced 4 way valve - pump operational
GIW-06	08/24/13	10.9	76.9	0.7	11.5	173	-3.4	Y	
GIW-06	08/25/13	0.2	80.3	0.1	19.4	177	-4.3	Y	
GIW-06	08/26/13	0.2	75	0	24.8	170	-4.6	Y	
GIW-06	08/27/13	0.1	74.8	0	25.1	174	-4.8	Y	
GIW-06	08/28/13	1.2	77.6	0.3	20.9	178	-3.3	Y	
GIW-06	08/29/13	2.5	80.7	0	16.8	182	-6.3	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-06	08/30/13	0.1	79	0.3	20.6	182	-4.2	Y	
GIW-06	08/31/13	0.2	76.9	0	22.9	172	-4.9	Y	
GIW-06	09/01/13	0.3	75.9	0	27.8	181	-4.6	Y	
GIW-06	09/02/13	0.2	81.2	0	18.6	181	-4.6	Y	
GIW-06	09/03/13	9.4	78.4	0	12.2	185	-5	Y	
GIW-06	09/04/13	0.5	80.2	0	19.3	181	-4.3	Y	
GIW-06	09/05/13	1	85.4	0	13.6	175	-5	Y	
GIW-06	09/06/13	0.1	88.7	0	11.2	179	-4.4	Y	
GIW-06	09/07/13	0.3	85.5	0	14.2	176	-5.2	Y	
GIW-06	09/08/13	0.1	86.4	0	13.5	182	-3.8	Y	
GIW-06	09/09/13	0.3	85.4	0	14.3	183	-3.5	Y	
GIW-06	09/10/13	7.1	90.2	0	2.7	185	-5.1	Y	
GIW-06	09/11/13	0.1	91.3	0	8.6	183	-4.8	Y	
GIW-06	09/12/13	5.8	87.8	0	6.4	179	-4.7	Y	
GIW-06	09/13/13	1.6	89.3	0	9.1	181	-3	Y	
GIW-06	09/14/13	0.1	89.4	0.2	10.3	170	-4.4	Y	
GIW-06	09/15/13	0.3	90	0.2	9.5	169	-4.8	Y	
GIW-06	09/16/13	0.1	83	0	16.9	178	-3.9	Y	
GIW-06	09/17/13	0.1	81.3	0	18.6	176	-3.5	Y	
GIW-06	09/18/13	0	78.4	0	21.6	174	-3.5	Y	
GIW-06	09/19/13	0.2	81.4	0	18.4	171	-3.9	Y	
GIW-06	09/20/13	0.2	91	0	8.8	173	-4.2	Y	
GIW-06	09/21/13	0.1	78.7	0	21.2	180	-3.9	Y	
GIW-06	09/22/13	0.2	89.3	0.2	10.3	184	-3.1	Y	
GIW-06	09/23/13	0.3	89.4	0	10.3	165	-5.6	Y	
GIW-06	09/25/13	0	90.1	0.2	9.7	166	-5.6	Y	
GIW-06	09/26/13	0.9	87.7	0	11.4	173	-4.5	Y	
GIW-06	09/27/13	0	82.1	0	17.9	172	-3	Y	
GIW-06	09/28/13	0.3	81.4	0	18.3	179	-6.1	Y	
GIW-06	09/29/13	0.1	81.8	0	18.1	177	-3.1	Y	
GIW-06	09/30/13	0.1	77.8	0	22.1	170	-1.9	Y	
GIW-06	10/01/13	0.1	81	0	18.9	174	-3.6	Y	
GIW-06	10/02/13	0.2	82.2	0	17.6	174	-2.2	Y	
GIW-06	10/03/13	0.2	81.5	0	18.3	174	-4.1	Y	
GIW-06	10/04/13	0.7	77.5	0	21.8	179	-3.8	Y	
GIW-06	10/05/13	0.2	89.6	0	10.2	170	-4.6	Y	
GIW-06	10/06/13	0.2	85.8	0	14	162	-6.2	Y	
GIW-06	10/07/13	0.3	87.1	0	12.6	174	-4.3	Y	
GIW-06	10/08/13	3.1	88.6	0	8.3	171	-2	Y	
GIW-06	10/09/13	1.5	88	0.2	10.3	160	-4	Y	
GIW-06	10/10/13	0.5	88.7	0	10.8	167	-3	Y	
GIW-06	10/11/13	0.3	88.7	0	11	173	-2.7	Y	
GIW-06	10/12/13	2.2	87.1	0.3	10.4	180	-4.3	Y	
GIW-06	10/13/13	0.2	89	0	10.8	160	-4.1	Y	
GIW-06	10/14/13	0.2	82.2	0	17.6	163	-2.3	Y	
GIW-06	10/15/13	0.2	83.5	0	16.3	176	-5	Y	
GIW-06	10/16/13	0.2	81	0	18.8	150	-4.5	Y	
GIW-06	10/17/13	0.3	81.6	0	18.1	169	-4.6	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-06	10/18/13	0.2	81.4	0	18.4	176	-4.9	Y	
GIW-06	10/19/13	0.4	88.8	0	10.8	144	-5.7	Y	
GIW-06	10/20/13	0.2	82	0	17.8	169	-5.2	Y	
GIW-06	10/21/13	0.2	88.5	0	11.3	155	-6	Y	
GIW-06	10/22/13	0.2	98.7	0	1.1	180	-3	Y	
GIW-06	10/23/13	0.2	97.8	0	2	165	-4.2	Y	
GIW-06	10/24/13	0.3	82.8	0	16.9	144	-4	Y	
GIW-06	10/25/13	0.3	83.3	0	16.4	170	-3.7	Y	
GIW-06	10/28/13	0.2	81.4	0	18.4	180	-4.1	Y	
GIW-06	10/29/13	0.2	82.3	0	17.5	176	-4.5	Y	
GIW-06	10/30/13	0.2	83	0	16.8	170	-1.3	Y	
GIW-06	10/31/13	0.3	84	0	15.7	163	-4.9	Y	
GIW-06	11/01/13	0.3	83.3	0	16.4	173	-4.4	Y	
GIW-06	11/04/13	0.1	80.6	0	19.3	160	-4.8	Y	
GIW-06	11/05/13	0.1	68.8	3.7	27.4	160	-5.7	Y	
GIW-06	11/06/13	0.1	70.1	2.9	26.9	161	-4.3	Y	
GIW-06	11/07/13	0.1	71.4	2.7	25.8	165	-4.8	N	Replaced 4 way valve - pump operational
GIW-06	11/08/13	0.1	72.8	2.7	24.4	168	-2.9	Y	
GIW-06	11/11/13	0.1	74.9	1.5	23.5	171	-1.8	Y	
GIW-06	11/12/13	0.1	75.9	1.8	22.2	162	-1.9	N	Replaced piston rod - pump operational
GIW-06	11/13/13	0.1	82.5	0	17.4	166	-3.1	Y	
GIW-06	11/14/13	0.1	87.1	0	12.8	176	-1.6	Y	
GIW-06	11/15/13	0.2	82	0	17.8	174	-2.4	Y	
GIW-06	11/18/13	0.1	83.9	0	16	168	-1.9	Y	
GIW-06	11/19/13	0.3	83.1	0	16.6	180	-1.5	Y	
GIW-06	11/20/13	0.1	78.5	0	21.4	177	-3.7	Y	
GIW-06	11/21/13	0.2	83.6	0	16.2	177	-2.3	Y	
GIW-06	11/22/13	0.1	85.3	0	14.6	162	-3.4	Y	
GIW-06	11/25/13	0.2	88.6	0	11.2	156	-7.5	Y	
GIW-06	11/26/13	0.2	79.1	0.3	20.4	175	-4.5	Y	
GIW-06	11/27/13	0.2	83.9	0	15.9	161	-6.7	N	Replaced 4 way valve - pump operational
GIW-06	11/28/13	0.3	80.3	0	19.4	181	-1.9	N	Replaced 4 way valve - pump operational
GIW-06	11/29/13	0.2	84	0	15.8	175	-7	Y	
GIW-06	12/02/13	0.2	80.2	0	19.6	185	-1.6	Y	
GIW-06	12/03/13	0.3	78.3	0	21.4	169	-10.6	N	Piston Stuck - will pull and repair
GIW-06	12/04/13	0.3	79.9	0	19.8	180	-2.4	N	Piston Stuck - will pull and repair
GIW-06	12/05/13	0.3	72.1	1.7	25.9	164	-9.6	N	Piston Stuck - will pull and repair
GIW-06	12/09/13	0.3	77.5	0	22.2	162	-4.6	N	Piston Stuck - will pull and repair
GIW-06	12/10/13	0.2	77.1	0	22.7	173	-4.8	N	Piston Stuck - will pull and repair
GIW-06	12/11/13	0.3	77.5	0	22.2	177	-3.4	N	Pulled pump - pump operational
GIW-06	12/12/13	0.3	74.8	0.6	24.3	164	-17.5	Y	
GIW-06	12/13/13	0.3	78.2	0	21.5	166	-12.5	Y	
GIW-06	12/16/13	0.3	77.6	0	22.1	187	-0.7	Y	
GIW-06	12/17/13	0.7	78.3	0.2	20.8	179	-4.2	Y	
GIW-06	12/18/13	0.3	72.5	0	27.2	180	-4.9	Y	
GIW-06	12/19/13	0.3	73.9	0	25.8	167	-4.6	Y	
GIW-06	12/20/13	0.3	75.3	0	24.4	180	-4.1	Y	
GIW-06	12/23/13	0.3	74.5	0.3	24.9	162	-11.2	Y	Reduced vac to -9.4 inches

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-06	12/24/13	0.3	76.3	0	23.4	185	-4	Y	
GIW-06	12/25/13	0.1	81.5	0	18.4	175	-10.5	Y	Reduced vac to -4.4 inches
GIW-06	12/26/13	0.2	73.3	0	26.5	171	-4.5	Y	
GIW-06	12/27/13	0.3	74.2	0	25.5	166	-4.3	Y	
GIW-06	12/30/13	0.3	75.7	0	24	182	4.7	Y	Increased vac to -2.5 inches
GIW-06	12/31/13	0.3	76.6	0	23.1	162	-7.4	Y	Decreased vac to -6.2 inches
GIW-06	01/01/14	0.2	77.3	0	22.5	182	-1.4	NA	Increased vac to -2.9 inches
GIW-06	01/03/14	0.2	78.4	0	21.4	149	-9.3	Y	Decreased vac to -8.5 inches
GIW-06	01/13/14	0.2	81	0	18.8	178	2.5	Y	Increased vac to -3.5 inches
GIW-06	01/15/14	0.1	67.1	3.8	29	151	-9.1	Y	Decreased vac to -3.6 inches (pump eval on 16th)
GIW-06	01/17/14	0.2	80.5	0	19.3	170	1.4	Y	Increased vac to -1.4 inches
GIW-06	01/20/14	0.1	82.1	0	17.8	178	1.3	Y	Increased vac to -1.5 inches
GIW-06	01/22/14	0.2	80.6	0	19.2	141	-12.7	Y	Decreased vac to -4.9 inches
GIW-06	01/24/14	0.1	77.3	0	22.6	130	-4.2	Y	
GIW-06	01/27/14	0.3	77.9	0	21.8	142	-3.4	Y	Increased vac to -4.5 inches
GIW-06	01/29/14	0.1	78.2	0	21.7	174	-4.7	Y	
GIW-06	02/03/14	0	80	0	20	156	-9.4	Y	Decreased vac to -6.2 inches
GIW-06	02/05/14	0.3	80	0.2	19.5	113	-17.2	N	Decreased vac to -4.6 inches (new footvalve installed)
GIW-06	02/07/14	0.4	79.6	0.1	19.9	178	0.4	N	Increased vac to -4.3 inches (need footvalve)
GIW-06	02/10/14	0.3	79.7	0.1	19.9	159	-15.1	N	Decreased vac to -4.3 inches (Need to replace fiberglass rod)
GIW-06	02/12/14								
GIW-06	02/14/14								
GIW-06	02/17/14	0.4	80.2	0	19.4	100	-1.2	N	Increased vac to -2.4 inches (footvalve needs replaced)
GIW-06	02/19/14	0.4	78.8	0	20.8	190	-10	N	Decreased vac to -9.4 inches (footvalve needs replaced)
GIW-06	02/21/14	0.4	78	0	21.6	141	-16.2	N	Decreased vac to -14.7 inches (footvalve needs replaced)
GIW-06	02/24/14	0.5	79.3	0	20.2	156	-13.4	N	Decreased vac to -12.3 inches (new footvalve needed)
GIW-06	02/26/14	0.4	77.6	0	22	115	-17.8	N	Decreased vac to -16.9 inches (new footvalve needed)
GIW-06	02/28/14	0.5	79.7	0	19.8	142	-8.7	N	Decreased vac to -7.1 inches (new footvalve needed)
GIW-06	03/03/14	0.5	83.7	0	15.8	138	37.4	N	Increased vac to -0.5 inches (need 103 changed to 101)
GIW-06	03/05/14	0.4	82.6	0	17	143	-10.8	N	Increased vac to -8.7 inches (103 to 101 footvalve trans.)
GIW-06	03/07/14	0.4	82.9	0	16.7	172	7.2	N	Increased vac to -0.5 inches (replaced 1" rod seal)
GIW-06	03/10/14	0.4	80.8	0	18.8	158	-10.6	N	Decreased vac to -7.0 inches (footvalve needs replaced)
GIW-06	03/12/14	0.5	80.2	0	19.3	125	-4.7	N	(footvalve needs replaced)
GIW-06	03/14/14	0.3	80.9	0	18.8	145	1.3	N	Increased vac to -0.9 inches (footvalve needs replaced)
GIW-06	03/17/14	0.5	82.1	0	17.4	172	18.9	N	Increased vac to -1.5 inches (replaced footvalve)
GIW-06	03/19/14	0.5	83.9	0	15.6	111	-14	N	decreased vac to -11.9 inches (replaced footvalve)
GIW-06	03/20/14	0.5	79.4	0	20.1	159	-7.7	N	reduced vac to -6.8 inches (replaced footvalve)
GIW-06	03/24/14	0.4	79.4	0	20.2	176	-1.9	N	replaced footvalve
GIW-06	03/26/14	0.5	82.2	0	17.3	142	-11.2	N	reduced vac to -9.5 inches (replaced footvalve)
GIW-06	03/28/14	0.6	80.2	0	19.2	168	-0.5	N	increased vac to -1.7 inches (footvalve needs replaced)
GIW-06	03/31/14	0.5	80.7	0	18.8	153	-10.7	N	decreased vac to -10.2 inches (footvalve needs replaced)
GIW-06	04/02/14	0.5	81	0	18.5	155	31	N	increased vac to -0.2 inches (footvalve needs replaced)
GIW-06	04/03/14	0.6	79.9	0.2	19.3	180	-6.4	N	decreased vac to -5.8 inches (footvalve needs replaced)
GIW-06	04/05/14	0.7	80.5	0	18.8	176	9.9	na	increased vac to -0.7 inches
GIW-06	04/07/14	0.5	77.8	0.3	21.4	164	-10.4	N	decreased vac to -8.2 inches (footvalve needs replaced)
GIW-06	04/08/14	0.5	78.1	0	21.4	155	-7.4	N	decreased vac to -6.4 inches (footvalve replaced)
GIW-06	04/09/14	0.6	79	0	20.4	170	1.2	N	increased vac to -1.8 inches (footvalve needs replaced)
GIW-06	04/10/14	0.5	76.7	0	22.8	164	-4.3	na	

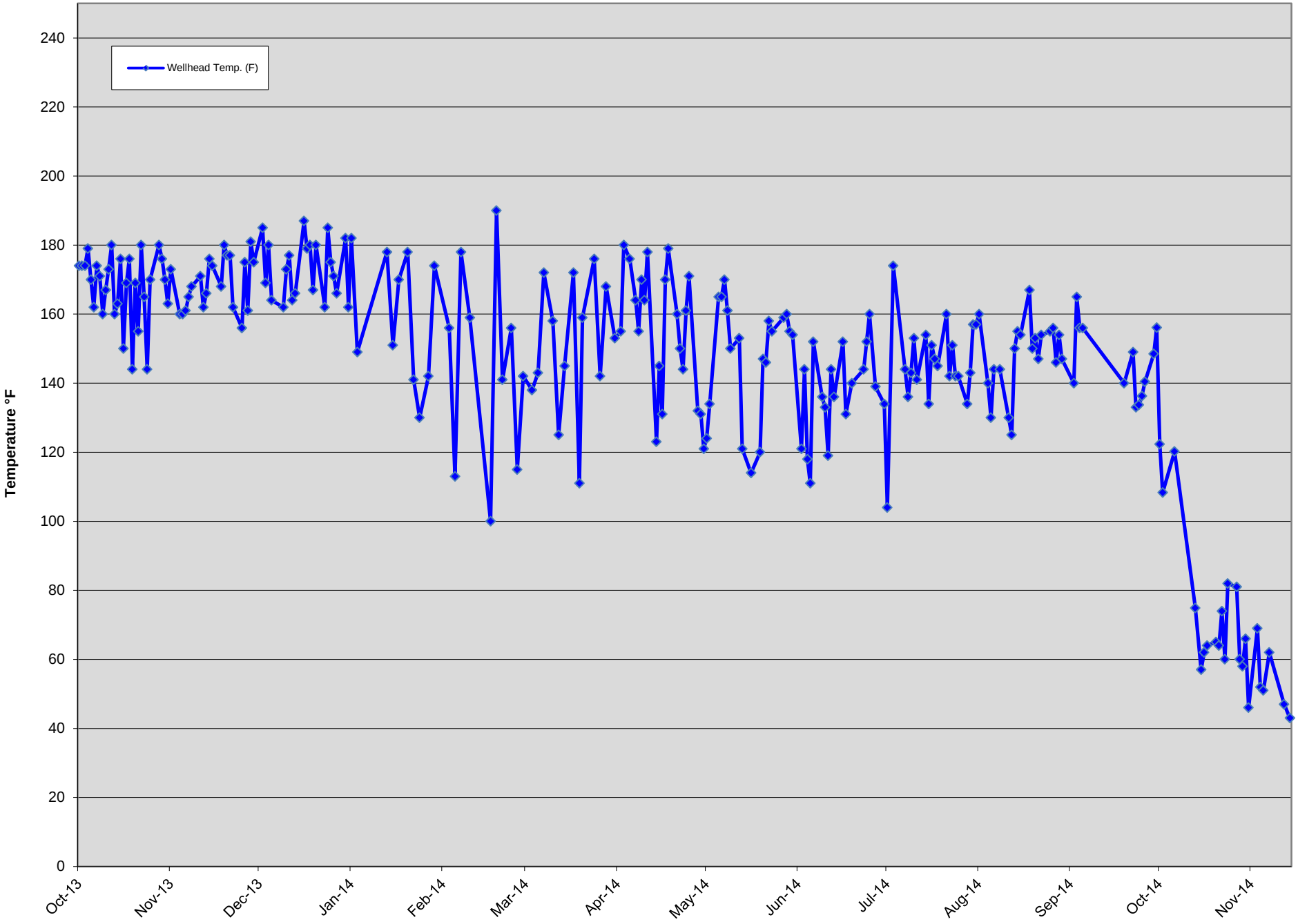
GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-06	04/11/14	0.4	78.5	0	21.1	178	-5.2	na	
GIW-06	04/14/14	0.6	78	0.4	21	123	-19.2	N	decreased vac to -17.6 inches (changed valve)
GIW-06	04/15/14	0.7	76.7	0.3	22.3	145	-14.5	N	decreased vac to -13.0 inches (needs rebuild of pump)
GIW-06	04/16/14	0.7	78.8	0	20.5	131	-4.3	N	(needs rebuilt pump)
GIW-06	04/17/14	0.5	79.2	0	20.3	170	12.7	N	decreased vac to -0.1 inches (needs rebuilt pump)
GIW-06	04/18/14	0.4	78.3	0	21.3	179	-8.9	na	decreased vac to -7.1 inches
GIW-06	04/21/14	0.4	78	0	21.6	160	-4.2	Y	
GIW-06	04/22/14	0.5	78.8	0	20.7	150	-5.2	Y	
GIW-06	04/23/14	0.5	79.2	0	20.3	144	-6.1	Y	decreased vac to -5.4 inches
GIW-06	04/24/14	0.6	78.5	0	20.9	161	-0.1	Y	increased vac to -0.6 inches
GIW-06	04/25/14	0.5	79.1	0	20.4	171	0.5	Y	increased vac to -0.5 inches
GIW-06	04/28/14	0.6	79.6	0	19.8	132	-11.9	Y	decreased vac to -9.9 inches
GIW-06	04/29/14	0.5	78.9	0	20.6	131	-1	N	increased vac to -1.4 inches (adjusted 4 way valve)
GIW-06	04/30/14	0.6	78.4	0	21	121	-14.7	Y	decreased vac to -12.0 inches
GIW-06	05/01/14	0.6	80.3	0	19.1	124	-9.4	na	decreased vac to -6.9 inches
GIW-06	05/02/14	0.6	79.7	0	19.7	134	-5	Y	
GIW-06	05/05/14	1	79.7	0	19.3	165	17	N	increased vac to -0.9 inches (replaced cylinder cap)
GIW-06	05/06/14	0.5	77	0	22.5	165	-9.7	Y	decreased vac to -8.5 inches
GIW-06	05/07/14	0.7	74.1	0	25.2	170	-1.6	Y	increased vac to -1.7 inches
GIW-06	05/08/14	0.5	78.2	0	21.3	161	-6.6	Y	
GIW-06	05/09/14	0.5	78.6	0	20.9	150	8.7	Y	increased vac to -1.2 inches
GIW-06	05/12/14	0.5	79	0	20.5	153	-1.6	Y	decreased vac to -1.5 inches
GIW-06	05/13/14	0.6	77.7	0	21.7	121	-11.1	Y	decreased vac to -6.6 inches
GIW-06	05/16/14	0.6	77.6	0	21.8	114	-4.4	N	pump needs pulled for troubleshooting (evaluated on the 15th)
GIW-06	05/19/14	0.5	78.5	0	21	120	-6.7	N	Decreased vac to -5.8 inches (pump needs evaluation)
GIW-06	05/20/14	0.5	77.9	0	21.6	147	0.2	na	Increased vac to -1.1 inches
GIW-06	05/21/14	0.5	75.9	0	23.6	146	-10.6	N	Decreased vac to -9.3 inches (bad footvalve)
GIW-06	05/22/14	0.5	77.5	0	22	158	-10.7	N	Decreased vac to -9.6 inches (bad footvalve)
GIW-06	05/23/14	0.6	79.6	0.2	19.6	155	-11	na	Decreased vac to -5 inches
GIW-06	05/27/14	0.5	78.4	0	21.1	159	1	na	Increased vac to -1.7 inches
GIW-06	05/28/14	0.5	76.8	0	22.7	160	-0.9	Y	Increased vac to -2.7 inches (bad footvalve)
GIW-06	05/29/14	0.5	76.5	0	23	155	-4	Y	(bad footvalve)
GIW-06	05/30/14	0.5	76.6	0	22.9	154	-4.1	na	
GIW-06	06/02/14	0.6	76.5	0	22.9	121	-11.6	Y	Decreased vac to -8.6 inches (bad footvalve)
GIW-06	06/03/14	0.5	76.2	0	23.3	144	3.1	Y	Increased vac to -1.1 inches (bad footvalve)
GIW-06	06/04/14	0.5	77	0	22.5	118	-14.9	Y	Decreased vac to -14.4 inches (bad footvalve)
GIW-06	06/05/14	0.4	76.2	0	23.4	111	-13.4	Y	Decreased vac to -13 inches (bad footvalve)
GIW-06	06/06/14	0.5	75.5	0	24	152	-12	Y	Increased vac to -12.3 inches (footvalve needs replaced)
GIW-06	06/09/14	0.5	77.3	0	22.2	136	-13.4	Y	Decreased vac to -12.7 inches (footvalve needs replaced)
GIW-06	06/10/14	0.4	76.1	0	23.5	133	-14	na	Decreased vac to -13.8 inches
GIW-06	06/11/14	0.5	74.6	0	24.9	119	-11.3	Y	Decreased vac to -10.4 inches (footvalve needs replaced)
GIW-06	06/12/14	0.6	74.9	0	24.5	144	-8.7	Y	Decreased vac to -8.1 inches (footvalve needs replaced)
GIW-06	06/13/14	0.5	74.1	0	25.4	136	-7.6	Y	Increased vac to -7.7 inches
GIW-06	06/16/14	0.6	74.9	0	24.5	152	-7.6	Y	Decreased vac to -5.1 (footvalve needs replaced)
GIW-06	06/17/14	0.5	75.1	0	24.4	131	0.3	Y	Increased vac to -3.1
GIW-06	06/19/14	0.5	76	0	23.5	140	-4.3	Y	(replaced footvalve, pump moving liquid)
GIW-06	06/23/14	0.6	75.7	0	23.7	144	30.1	Y	Increased vac to -1.8
GIW-06	06/24/14	0.6	74.9	0	24.5	152	-8.9	Y	Decreased vac to -8.6

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-06	06/25/14	0.6	74.3	0	25.1	160	2.6	Y	Increased vac to -1.9
GIW-06	06/27/14	0.6	76.3	0	23.1	139	-3.9	Y	
GIW-06	06/30/14	0.7	74.4	0	24.9	134	-2.7	NA	Increased vac to -4.1
GIW-06	07/01/14	0.6	73.9	0	25.5	104	-7	NA	Decreased vac to -6.2
GIW-06	07/03/14	0.7	74.7	0	24.6	174	-4.2	NA	
GIW-06	07/07/14	0.6	75.3	0	24.1	144	-5	Y	
GIW-06	07/08/14	0.6	72.3	0	27.1	136	-4.2	Y	
GIW-06	07/09/14	0.5	70.6	0.6	28.3	143	-4.6	Y	
GIW-06	07/10/14	0.6	68.8	1.9	28.7	153	-6.6	Y	Decreased vac to -4 (refilled memo and 4-way oil)
GIW-06	07/11/14	0.7	75	0	24.3	141	-0.8	Y	Increased vac to -3.9
GIW-06	07/14/14	0.6	73.9	0	25.5	154	-4.9	Y	
GIW-06	07/15/14	0.7	73.9	0	25.4	134	-9	Y	Decreased vac to -7.4
GIW-06	07/16/14	0.5	65	3.2	31.3	151	-5.4	Y	Decreased vac to -4.1
GIW-06	07/17/14	0.6	70.1	1.3	28	147	-7.1	Y	Decreased vac to -4.4
GIW-06	07/18/14	0.6	74.9	0.1	24.4	145	-4.8	Y	
GIW-06	07/21/14	0.4	67	1.5	31.1	160	-4.1	Y	
GIW-06	07/22/14	0.8	73.5	0	25.7	142	-4.7	Y	
GIW-06	07/23/14	0.6	75.8	0	23.6	151	-4.8	Y	
GIW-06	07/24/14	0.6	74.1	0	25.3	142	-4.7	Y	
GIW-06	07/25/14	0.7	74.5	0	24.8	142	-4.4	Y	
GIW-06	07/28/14	0.6	75.8	0	23.6	134	-4.9	Y	
GIW-06	07/29/14	0.6	76	0	23.4	143	-4.6	Y	
GIW-06	07/30/14	0.6	75.6	0	23.8	157	-1.1	Y	Increased vac to -2
GIW-06	07/31/14	0.8	74.6	0	24.6	157	-4.8	Y	
GIW-06	08/01/14	0.6	73.7	0.1	25.6	160	-4.9	Y	
GIW-06	08/04/14	0.7	73.1	0	26.2	140	-4.5	Y	
GIW-06	08/05/14	0.6	69.8	1.2	28.4	130	-7.5	Y	Decreased vac to -4.8
GIW-06	08/06/14	0.6	72.5	0.5	26.4	144	-4.7	Y	
GIW-06	08/07/14							Y	
GIW-06	08/08/14	0.6	73.5	0.2	25.7	144	-4.7	Y	
GIW-06	08/11/14	0.6	70.8	0	28.6	130	-4	Y	
GIW-06	08/12/14	0.7	75	0	24.3	125	-3.9	Y	
GIW-06	08/13/14	0.7	73.9	0	25.4	150	-4.4	Y	
GIW-06	08/14/14	0.6	75.3	0	24.1	155	-4.1	Y	
GIW-06	08/15/14	0.6	74.8	0	24.6	154	5.6	Y	
GIW-06	08/18/14	1.1	72.5	0	26.4	167	12.7	Y	
GIW-06	08/19/14	0.5	70.5	0	29	150	14.3	Y	
GIW-06	08/20/14	0.6	73.6	0	25.8	153	14.6	Y	Reduced vac to -11.7
GIW-06	08/21/14	1.1	72.6	0	26.3	147	-12.2	Y	Reduced vac to -10.4
GIW-06	08/22/14	0.6	73.3	0	26.1	154	-9.1	Y	Decreased vac to -5.1
GIW-06	08/25/14	0.7	73.6	0	25.7	155	-4.8	Y	
GIW-06	08/26/14	0.6	72.4	0	27	156	-5	Y	
GIW-06	08/27/14	0.7	72.1	0	27.2	146	-9.3	Y	Decreased vac to -6.7
GIW-06	08/28/14	0.6	69.7	0	29.7	154	-5	Y	
GIW-06	08/29/14	0.7	73.7	0	25.6	147	-4	Y	
GIW-06	09/01/14							Y	
GIW-06	09/02/14	0.6	71.2	0	28.2	140	-4.9	Y	
GIW-06	09/03/14	1	72.6	0	26.4	165	-4.2	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-06	09/04/14	0.7	70.5	0	28.8	156	-4	Y	
GIW-06	09/05/14	0.8	72.9	0	26.3	156	-4.1	Y	
GIW-06	09/08/14							NA	(Not Available due to safe access conditions)
GIW-06	09/09/14							NA	(Not Available due to safe access conditions)
GIW-06	09/10/14							NA	(Not Available due to safe access conditions)
GIW-06	09/11/14							NA	(Not Available due to safe access conditions)
GIW-06	09/12/14							NA	(Not Available due to safe access conditions)
GIW-06	09/15/14							Y	
GIW-06	09/16/14							Y	
GIW-06	09/17/14							Y	(broken fiberglass rod)
GIW-06	09/18/14							Y	(broken fiberglass rod)
GIW-06	09/19/14	0.7	73.4	0	25.9	140	-8.2	Y	Decreased vac to -6 (broken fiberglass rod)
GIW-06	09/22/14	1.3	73.2	0	25.5	149	13.2	Y	Increased vac to -5.5
GIW-06	09/23/14	0.8	69.5	0	29.7	133	-4.9	Y	(replaced 1" rod seal - pump operational)
GIW-06	09/24/14	1	77.6	0.3	21.1	133.7	-7.45	Y	Increased vac to -7.88
GIW-06	09/25/14	3.5	56.8	0.4	39.3	136.3	-12.82	Y	Decreased vac to -11.78
GIW-06	09/26/14	0.5	57.5	0.6	41.4	140.4	-10.99	Y	decreased vac to -7.88 (replaced 1/4" & 3" air nipple)
GIW-06	09/29/14	1.7	63.9	0.5	33.9	148.5	-13.13	N	Decreased vac to -6.78 (replaced 1/4"x3" four way value air nipple - pump operational
GIW-06	09/30/14	0.8	66.3	0.7	32.2	156.1	-13.68	Y	Decreased vac to -8.85
GIW-06	10/01/14	1.3	69.7	0.1	28.9	122.3	-4.54	Y	
GIW-06	10/02/14	3.3	66.2	0	30.5	108.3	-4.25	N	(Replaced 1/4"x3" air nipple - pump operational
GIW-06	10/03/14							Y	
GIW-06	10/06/14	6.5	59.9	0.1	33.5	120.2	-1.52	Y	Increased vac to -3.37
GIW-06	10/07/14							Y	
GIW-06	10/08/14							N/A	(Cooling System installed)
GIW-06	10/09/14							N/A	(Cooling System installed)
GIW-06	10/10/14							N/A	(Cooling System installed)
GIW-06	10/13/14	0	56.8	0	43.2	74.9	-4.48	N/A	(Cooling System installed)
GIW-06	10/14/14							N/A	(Cooling System installed)
GIW-06	10/15/14	0.6	51.4	6.3	41.7	57	-5.7	N/A	Decreased vac to -3.2 (Cooling System installed)
GIW-06	10/16/14	0.9	72.9	0	26.2	62	4.9	N/A	Increased vac to -0.5 (Cooling System installed)
GIW-06	10/17/14	0.6	61.4	3.2	34.8	64	-11.8	N/A	Decreased vac to -4 (Cooling System installed)
GIW-06	10/20/14	0.8	70.7	0.7	27.8	65	-5	N/A	(Cooling System Installed)
GIW-06	10/21/14	0.8	69	0	30.2	64	-7.4	N/A	Decreased vac to -7 (Cooling System Installed)
GIW-06	10/22/14	1.2	71.5	0	27.3	74	-17.2	N/A	Decreased vac to -14.8 (Cooling System Installed)
GIW-06	10/23/14	0.7	71.8	0.1	27.4	60	-16.3	N/A	Decreased vac to -15.3 (Cooling System Installed)
GIW-06	10/24/14	1.2	76	0	22.8	82	-1.5	N/A	(Cooling System Installed)
GIW-06	10/27/14	0.7	70.4	0.3	28.6	81	-13.1	N/A	Decreased vac to -12 (Cooling System Installed)
GIW-06	10/28/14	1.5	66	1.3	31.2	60	-13.4	N/A	Decreased vac to -11.4 (Cooling System Installed)
GIW-06	10/29/14	0.9	71.8	0	27.3	58	-6.9	N/A	Decreased vac to -5.2 (Cooling System Installed)
GIW-06	10/30/14	1.3	70.7	0.2	27.8	66	-4.4	N/A	(Cooling System Installed)
GIW-06	10/31/14	1.2	71.3	0.2	27.3	46	-4.7	N/A	(Cooling System Installed)
GIW-06	11/03/14	0.9	75.7	0.2	23.2	69	-2.9	N/A	(Cooling System Installed)
GIW-06	11/04/14	0.7	78.1	0	21.2	52	-2.9	N/A	(Cooling System Installed)
GIW-06	11/05/14	0.8	72.3	0	26.9	51	-4.2	N/A	(Cooling System Installed)
GIW-06	11/06/14							N/A	(Cooling System Installed)
GIW-06	11/07/14	1.2	70	0	28.8	62	-4.6	N/A	(Cooling System Installed)
GIW-06	11/10/14							N/A	(Cooling System Installed)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-06	11/11/14							N/A	(Cooling System Installed)
GIW-06	11/12/14	0.8	72.2	0	27	47	-4	N/A	Increased vac to -4.4 (Cooling System Installed)
GIW-06	11/13/14							N/A	(Cooling System Installed)
GIW-06	11/14/14	0.8	72.9	0	26.3	43	-4.8	N/A	(Cooling System Installed)

GIW-6 Wellhead Temperatures



GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-07	04/08/13	13.1	75.1	0	11.8	80	-0.1	N	
GIW-07	04/09/13	12.6	66.1	2.9	18.4	120	-0.6	Y	
GIW-07	04/10/13	12.6	71.6	0.3	15.5	120	-0.3	Y	
GIW-07	04/11/13	17.2	69.4	0.1	13.3	120	-0.3	Y	
GIW-07	04/12/13	17.1	68.5	0.2	14.2	110	-0.3	Y	
GIW-07	04/13/13	17.8	67.6	0.2	14.4	120	-1.4	Y	
GIW-07	04/14/13	10.6	71.8	0.2	17.4	110	1.6	Y	
GIW-07	04/15/13	20.3	66.3	0.3	13.1	120	-0.7	Y	
GIW-07	04/16/13	19.8	67.3	0.1	12.8	110	-0.7	N	Pump not operational - Being repaired
GIW-07	04/17/13	21.8	65.8	0.3	12.1	115	-1.1	N	
GIW-07	04/18/13	10.1	72	0.2	17.7	70	-2	Y	
GIW-07	04/19/13	24.7	63	0.9	11.4	125	-2.4	Y	
GIW-07	04/20/13	12.3	69.5	0.3	17.9	110	-2.1	Y	Replaced 1-inch rod seal
GIW-07	04/21/13	12.9	68.1	0.7	18.3	110	-1.9	Y	
GIW-07	04/22/13	18.3	73.2	0.3	8.2	125	-1.7	Y	
GIW-07	04/23/13	20.5	65.2	0.3	14	125	-3.2	Y	
GIW-07	04/24/13	22.8	61.9	0.3	15	135	-4.8	Y	
GIW-07	04/25/13	20.3	63.3	0	16.4	125	-3.7	Y	
GIW-07	04/26/13	21.7	65.1	0.5	12.7	140	-4.9	Y	
GIW-07	04/27/13	19.7	68	0.6	11.7	135	-5	Y	
GIW-07	04/28/13	10.3	73.9	0.6	15.2	126	-4.3	Y	
GIW-07	04/29/13	13.1	71.7	0	15.2	135	-4.2	Y	
GIW-07	04/30/13	15.5	68.9	0.6	15	130	-4.4	Y	
GIW-07	05/01/13	16	70.1	0	13.9	145	-4.2	Y	
GIW-07	05/02/13	16.3	67.1	0.3	16.3	138	-4.3	Y	
GIW-07	05/03/13	9	71.9	0	19.1	135	-4.6	Y	
GIW-07	05/04/13	9.4	70.8	0.5	19.3	140	-4.5	Y	
GIW-07	05/05/13	8.3	72.1	0.1	19.5	135	-4.2	Y	Begin using fluke temp meter
GIW-07	05/06/13	8.7	72.6	0.1	18.6	140	-4.1	Y	
GIW-07	05/07/13	8.1	70.8	0.4	20.7	133	-4.6	Y	
GIW-07	05/08/13	14.5	65.9	0.4	19.2	144	-4.8	Y	
GIW-07	05/09/13	7.7	73.1	0	19.2	125	-4.4	Y	
GIW-07	05/10/13	7.7	73.6	0.1	18.6	139	-4.6	Y	
GIW-07	05/11/13	8.4	70.8	0	20.8	134	-4.2	Y	
GIW-07	05/12/13	7.9	74.5	0	17.6	129	-4.1	Y	
GIW-07	05/13/13	6.7	73	0	20.3	134	-4.2	Y	
GIW-07	05/14/13	7.8	73.1	0	19.1	148	-4.3	Y	
GIW-07	05/15/13	8.8	73.1	0	18.1	144	-4.9	Y	Installed check valve
GIW-07	05/16/13	7.6	71.3	0	21.1	142	-4	Y	
GIW-07	05/17/13	12	69.5	0	18.5	140	-4.7	Y	
GIW-07	05/18/13	10.8	69.1	0.3	19.8	142	-4.4	Y	
GIW-07	05/19/13	10.4	69.4	0.4	19.8	140	-4.5	Y	
GIW-07	05/20/13	13.2	70.5	0	16.3	140	-4.6	Y	
GIW-07	05/21/13	7.1	71.3	0.5	21.1	146	-4.3	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-07	05/22/13	7.3	70.6	0.3	21.8	140	-4.3	Y	
GIW-07	05/23/13	18	68	0	14	141	-4.3	Y	
GIW-07	05/24/13	6.7	71.8	0	21.5	136	-4.6	Y	
GIW-07	05/25/13	21.1	63.2	0.5	15.2	134	-4.7	Y	
GIW-07	05/26/13	16.4	71.1	0.5	12	139	-4.6	Y	
GIW-07	05/27/13	21.2	69.3	0.3	9.2	147	-4.2	Y	
GIW-07	05/28/13	15.5	68.7	0.3	15.5	144	-4.6	Y	
GIW-07	05/29/13	12.1	69.4	0.3	18.2	142	-4.1	Y	
GIW-07	05/30/13	21.5	69.1	0.5	8.9	142	-4.3	Y	
GIW-07	05/31/13	8.2	71.7	0.1	20	145	-4.8	Y	
GIW-07	06/01/13	3.6	74.3	0	22.1	138	-4.1	Y	
GIW-07	06/02/13	4.1	76.4	0	19.5	128	-4.2	Y	
GIW-07	06/03/13	5.9	74.3	0	19.8	134	-4.3	Y	
GIW-07	06/04/13	13.5	68.6	0.4	17.5	138	-4.7	Y	
GIW-07	06/05/13	13.6	71	0.5	14.9	139	-4.5	Y	
GIW-07	06/06/13	14	69.7	0.5	15.8	138	-4.8	Y	
GIW-07	06/07/13	7.1	69.7	0.5	22.7	140	-4	Y	
GIW-07	06/08/13	19.8	68.7	0.2	11.3	143	-4	Y	
GIW-07	06/09/13	13.9	68.3	0.3	17.5	142	-3.9	Y	
GIW-07	06/10/13	20.3	64.7	0.9	14.1	141	-4.1	Y	Replaced foot valve
GIW-07	06/11/13	9.8	69	0.3	20.9	133	-4.2	N	Remove pump - jetting silt from well
GIW-07	06/12/13	5.4	77.5	0.9	16.2	133	-3.1	N	Jetting complete - pump operating
GIW-07	06/13/13	21.6	66.5	0.2	11.7	138	-4.8	Y	
GIW-07	06/14/13	21.3	65.7	0.2	12.8	139	-4.5	Y	Changed leaking pump seal
GIW-07	06/15/13	14.9	72	1.3	11.8	135	-4.7	Y	
GIW-07	06/16/13	5.6	75.6	0.1	18.7	132	-4	Y	
GIW-07	06/17/13	13	69.7	0.1	17.2	135	-4.8	Y	
GIW-07	06/18/13	11.7	71.9	0.3	16.1	139	-4.1	Y	
GIW-07	06/19/13	10.6	68.5	0.6	20.3	139	-4.2	Y	
GIW-07	06/20/13	21.4	71.8	0.4	6.4	141	-4.2	Y	
GIW-07	06/21/13	23.9	68.1	0.3	7.7	139	-4.7	Y	
GIW-07	06/22/13	11.6	69.4	0.7	18.3	140	-3.9	Y	
GIW-07	06/23/13	14.1	62.8	1.2	21.9	142	-4.5	Y	
GIW-07	06/24/13	8.4	68.2	0.4	23	140	-4.7	Y	
GIW-07	06/25/13	8.9	65.5	1.4	24.2	142	-4.4	N	Replaced 1-inch rod seal, pump operating
GIW-07	06/26/13	21.8	60.5	0.5	17.2	142	-4.1	Y	
GIW-07	06/27/13	13.5	60.9	1.1	24.5	147	-4.1	Y	
GIW-07	06/28/13	11.6	70.2	0.1	18.1	142	-4.1	Y	
GIW-07	06/29/13	7.9	65.4	0.5	26.2	145	-4.2	Y	
GIW-07	06/30/13	9.6	68.4	0.4	21.6	139	-4.2	Y	
GIW-07	07/01/13	10.6	67.2	0.4	21.8	144	-4.6	Y	
GIW-07	07/02/13	8	62.2	0.6	29.2	140	-4.1	Y	
GIW-07	07/03/13	6	65.2	1.1	27.7	142	-4.8	Y	
GIW-07	07/04/13	7.8	61.4	1	29.8	140	-4	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-07	07/05/13	7.9	68.5	0.6	23	142	-4.8	Y	
GIW-07	07/06/13	7.3	69.3	0.1	23.3	140	-4.7	Y	
GIW-07	07/07/13	10.7	67.1	0.3	21.9	142	-4.3	Y	
GIW-07	07/08/13	5.8	67.1	1	26.1	140	-4.7	Y	
GIW-07	07/09/13	7.5	66.3	1	25.2	141	-4.1	Y	
GIW-07	07/10/13	18.5	67.6	1.5	12.4	138	-4.6	Y	
GIW-07	07/11/13	2.8	70.4	0.7	26.1	144	-4.6	Y	
GIW-07	07/12/13	5.3	67.3	0.2	27.2	140	-4.3	Y	
GIW-07	07/13/13	7.8	70	0	22.2	162	-4.5	Y	Possible Temp reading error
GIW-07	07/14/13	6.3	69.5	0	24.2	145	-4.3	Y	
GIW-07	07/15/13	6.3	64.3	0	29.4	139	-4.4	Y	
GIW-07	07/16/13	2.9	76.3	0	20.8	167	-4.8	Y	Possible Temp reading error
GIW-07	07/17/13	2.7	71.3	0.1	25.9	159	-4.9	Y	
GIW-07	07/18/13	2.5	70.5	0	27	160	-4.4	Y	
GIW-07	07/19/13	2.7	70.6	0.4	26.3	159	-4.3	Y	
GIW-07	07/20/13	5.7	70.7	0	23.6	152	-4.4	Y	
GIW-07	07/21/13	1.6	73.5	0	24.9	146	-4.5	Y	Changed leaking air box
GIW-07	07/22/13	2	72.5	0.2	25.3	157	-5.8	Y	
GIW-07	07/23/13	1.8	72.8	0.1	25.3	154	-4	Y	Replaced 1-inch rod seal
GIW-07	07/24/13	10.5	75.2	0.7	13.6	150	-4.6	Y	
GIW-07	07/25/13	1.5	72.3	0.4	25.8	156	-7	Y	
GIW-07	07/26/13	1.5	69.3	0.8	28.4	145	-4	Y	
GIW-07	07/27/13	1.4	69.3	0	29.3	146	-4.2	Y	
GIW-07	07/28/13	4.5	68.6	0.4	26.5	146	-4.4	Y	
GIW-07	07/29/13	1.4	69.3	0	29.3	160	-4	Y	
GIW-07	07/30/13	1.4	68.5	0.5	29.6	147	-4.7	Y	
GIW-07	07/31/13	1.7	69	0.4	28.9	151	-3.7	Y	
GIW-07	08/01/13	1.7	70.8	0	27.5	159	-4	Y	
GIW-07	08/02/13	1.6	71.7	0.1	26.6	145	-5.4	Y	
GIW-07	08/03/13	4.4	70.2	0.4	25	145	-4.5	Y	
GIW-07	08/04/13	3.2	72	0.3	24.5	148	-4.5	Y	
GIW-07	08/05/13	5.2	72.5	0.3	22	145	-5.6	Y	
GIW-07	08/06/13	3.5	70.8	0.4	25.3	141	-4.2	N	Replaced 1" rod seal - pump operational
GIW-07	08/07/13	4.6	72	0	23.4	143	-4.5	Y	
GIW-07	08/08/13	3.7	70.8	0.4	25.1	142	-3.9	Y	
GIW-07	08/09/13	5.1	70.2	0.6	24.1	143	-4.7	Y	
GIW-07	08/10/13	6.6	69.5	0.5	23.4	142	-4.8	Y	
GIW-07	08/11/13	8	72.6	0.6	18.8	139	-4.4	N	Replaced 1" rod seal - pump operational
GIW-07	08/12/13	5.1	70.5	0.5	23.9	157	-4	Y	
GIW-07	08/13/13	6.2	70.1	0.7	23	151	-4	Y	
GIW-07	08/14/13	8.5	66.9	0.3	24.3	156	-4.1	Y	
GIW-07	08/15/13	10.5	70.5	0	19	153	-3.5	Y	
GIW-07	08/16/13	7.8	71.4	0	20.8	153	-3.4	Y	
GIW-07	08/17/13	5.3	68.9	0	25.8	148	-5.9	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-07	08/18/13	10.6	72	0	17.4	146	-4.8	N	Replaced bottom seal - pump operational
GIW-07	08/19/13	8.6	71.5	0.1	19.8	158	-3.8	Y	
GIW-07	08/20/13	9.6	72.5	0	17.9	150	-4.7	Y	
GIW-07	08/21/13	13	73	0	14	148	-4.6	Y	
GIW-07	08/22/13	12.8	71.7	0	15.5	144	-4.6	Y	
GIW-07	08/23/13	8.5	72.2	0	19.3	157	-4.3	Y	
GIW-07	08/24/13	23	71	0.4	5.6	144	-3.7	N	Replaced 1"rod seal - pump operational
GIW-07	08/25/13	9.3	73.4	0.2	17.1	148	-4.7	Y	
GIW-07	08/26/13	8.4	75.1	0	16.5	155	-5	Y	
GIW-07	08/27/13	8.1	75.3	0	16.6	155	-4.9	Y	
GIW-07	08/28/13	11.2	73	0	15.8	160	-2.7	Y	
GIW-07	08/29/13	14.1	74	0	11.9	146	-4.5	Y	
GIW-07	08/30/13	7.2	71.2	0	21.6	148	-3.6	Y	
GIW-07	08/31/13	5	73.4	0	21.6	152	-4.8	Y	
GIW-07	09/01/13	3.8	75.7	0.3	21.2	154	-4.2	Y	
GIW-07	09/02/13	5.9	77	0	17.1	137	-5	Y	
GIW-07	09/03/13	24.5	70.7	0	4.8	143	-4.2	Y	
GIW-07	09/04/13	9.5	75.1	0	15.4	152	-2.7	Y	
GIW-07	09/05/13	15.1	77.3	0	7.6	144	-5.3	Y	
GIW-07	09/06/13	7.8	81.9	0	10.3	147	-3.7	Y	
GIW-07	09/07/13	8.6	77.9	0	13.5	136	-5.7	Y	
GIW-07	09/08/13	7.4	79.8	0	12.8	141	-2.5	Y	
GIW-07	09/09/13	8	78.3	0	13.7	153	-1.6	Y	
GIW-07	09/10/13	17.6	82	0.3	0.1	147	-4.4	Y	
GIW-07	09/11/13	7.3	83.7	0	9	153	-3.3	Y	
GIW-07	09/12/13	7.3	82	0	10.7	153	-1.6	Y	
GIW-07	09/13/13	10	88.6	0	1.4	138	0.4	Y	well head valve failed and replaced.
GIW-07	09/14/13	4.8	82.6	0.3	12.3	137	-2.5	Y	
GIW-07	09/15/13	5.6	82.3	0.5	11.6	138	-4.7	Y	
GIW-07	09/16/13	8.8	62.8	3.5	24.9	143	-1.7	Y	
GIW-07	09/17/13	5.1	75.8	0	19.1	138	-0.1	Y	
GIW-07	09/18/13	5.2	76.4	0	18.4	143	-0.4	Y	
GIW-07	09/19/13	5	76.1	0	18.9	144	-0.1	Y	
GIW-07	09/20/13	8.2	81.8	0.7	9.3	148	-1.6	Y	
GIW-07	09/21/13	3	71.3	1.8	23.9	146	-1.3	Y	
GIW-07	09/22/13	4.3	83.2	0.4	12.1	160	-0.3	Y	
GIW-07	09/23/13	3.7	65.8	4.6	25.9	147	-3	Y	Adjusted vac reduced O2 to 1.9%
GIW-07	09/25/13	3.5	86.4	0	10.1	152	-2.6	Y	
GIW-07	09/26/13	6.4	83.8	0	9.8	150	-2.1	N	Replaced pump set up-pump operatonal
GIW-07	09/27/13	8.5	81.8	0	9.7	166	-0.6	Y	
GIW-07	09/28/13	5.8	79.3	0	14.9	166	-4.4	Y	
GIW-07	09/29/13	5.6	77.7	0	16.7	168	-4.1	Y	
GIW-07	09/30/13	5.4	80	0	14.6	172	-2.1	N	Replaced 1" rod seal - pump operational
GIW-07	10/01/13	4.9	80.3	0	14.8	158	-3.9	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-07	10/02/13	5.1	76.4	0	18.5	173	-2.5	Y	
GIW-07	10/03/13	4	82.5	0	13.5	171	-4.2	Y	
GIW-07	10/04/13	3.8	72.4	0	23.8	174	-3.4	Y	
GIW-07	10/05/13	0.3	88.7	0	11	170	-5.7	Y	
GIW-07	10/06/13	3.7	85.1	0	11.2	171	-5.9	Y	
GIW-07	10/07/13	3.5	73.4	0.1	23	156	-5.8	Y	
GIW-07	10/08/13	5.9	77.3	0	16.8	148	-4.7	Y	
GIW-07	10/09/13	3.7	81.7	0.4	14.2	165	-6.2	Y	
GIW-07	10/10/13	5	87.5	0	7.5	157	-4.5	Y	
GIW-07	10/11/13	3.2	86.1	0.1	10.6	147	-4.2	Y	
GIW-07	10/12/13	6	86.3	0.3	7.4	149	-4.7	Y	
GIW-07	10/13/13	3.3	86.7	0	10	152	-4.2	Y	
GIW-07	10/14/13	3.7	81.8	0	14.5	147	-3.5	Y	
GIW-07	10/15/13	3.4	84	0	12.6	130	-6.1	Y	
GIW-07	10/16/13	3.2	82.6	0	14.2	142	-2.4	Y	
GIW-07	10/17/13	3.6	83.1	0	13.3	155	-4.1	Y	
GIW-07	10/18/13	3.7	82.8	0	13.5	153	-4	Y	
GIW-07	10/19/13	4	89.1	0	6.9	135	-5.1	Y	
GIW-07	10/20/13	3.8	82.5	0	13.7	148	-5.5	Y	
GIW-07	10/21/13	3.9	87.9	0	8.2	148	-6.4	Y	
GIW-07	10/22/13	2.2	97.6	0	0.2	140	-5.1	Y	
GIW-07	10/23/13	3.9	96	0	0.1	138	-5	Y	
GIW-07	10/24/13	4.4	82.6	0	13	142	-5	Y	
GIW-07	10/25/13	4.1	78.3	0	17.6	130	-7.1	N	Replaced air box - pump operational
GIW-07	10/28/13	3	81.8	0	15.2	160	0.2	Y	Adjusted vac - increased to -3.6 inches
GIW-07	10/29/13	3.2	83.2	0	13.6	132	-4.8	Y	
GIW-07	10/30/13	3.4	83.2	0	13.4	165	1.6	Y	
GIW-07	10/31/13	3.2	84.2	0	12.6	150	-6.7	Y	
GIW-07	11/01/13	3	84.5	0	12.5	145	-4.6	Y	
GIW-07	11/04/13	2.8	81.8	0	15.4	147	-5.7	Y	
GIW-07	11/05/13	5.1	82	0	12.9	139	-4.6	Y	
GIW-07	11/06/13	3.1	83	0	13.9	139	-4.4	Y	
GIW-07	11/07/13	3.5	81.4	0	15.1	148	-0.7	N	Replaced 4 way valve - pump operational
GIW-07	11/08/13	3.5	83.5	0	13	150	-3.5	Y	
GIW-07	11/11/13	3.4	81.7	0	14.9	161	-1.3	Y	
GIW-07	11/12/13	3	83.2	0	13.8	145	-6.1	Y	
GIW-07	11/13/13	2.4	80.4	0	17.2	150	-6.3	Y	
GIW-07	11/14/13	2.3	87.7	0	10	152	-4	Y	
GIW-07	11/15/13	2.6	81.1	0	16.3	160	-3.5	Y	
GIW-07	11/18/13	2.5	83	0	14.5	144	-6.9	Y	
GIW-07	11/19/13	2.8	82.7	0	14.5	152	-3.6	N	Replaced 4 way valve - pump operational
GIW-07	11/20/13	2.5	79	0	18.5	154	-4.8	Y	
GIW-07	11/21/13	2.9	84.9	0	12.2	170	-4.6	N	Replaced 4 way valve - pump operational
GIW-07	11/22/13	2.9	86.6	0	10.5	157	-5.7	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-07	11/25/13	2.5	87.1	0	10.4	148	-10.1	Y	Adjusted vac to -4.8 inches
GIW-07	11/26/13	3	80.4	0	16.6	163	13	N	Adjusted vac to -4.1 inches, Replaced 4 way vavle - pump operational
GIW-07	11/27/13	2.5	81.9	0	15.6	150	-10.1	N	Adjusted vac to -4.5 inches, Replaced 4 way valve - pump operational
GIW-07	11/28/13	3.2	81.1	0	15.7	158	-4.8	Y	
GIW-07	11/29/13	3.4	86	0	10.6	157	-4.7	Y	
GIW-07	12/02/13	3.1	79.9	0	17	170	-0.7	Y	
GIW-07	12/03/13	3.8	78.5	0	17.7	157	-4.1	N	Piston Stuck - will pull and repair
GIW-07	12/04/13	3.8	79.3	0	16.9	167	-2.9	N	Piston Stuck - will pull and repair
GIW-07	12/05/13	3	72.9	1.6	22.5	149	-9.1	N	Piston Stuck - will pull and repair
GIW-07	12/09/13	2.2	78.1	0	19.7	165	-4.2	N	2 inch air line frozen
GIW-07	12/10/13	1.9	75.6	0	22.5	140	-9.6	N	Replaced pump - pump operational
GIW-07	12/11/13	9	76.3	0	14.7	140	-0.7	N	Installed new pump - pump operational
GIW-07	12/12/13	2.2	74	0.5	23.3	129	-16	Y	
GIW-07	12/13/13	2.4	76.8	0	20.8	126	-8.1	Y	
GIW-07	12/16/13	2.4	76.5	0	21.1	157	-10.6	Y	
GIW-07	12/17/13	2.9	80.3	0	16.8	152	-4	Y	
GIW-07	12/18/13	2.1	75.1	0	22.8	138	-4.9	Y	
GIW-07	12/19/13	2.1	75	0	22.9	120	-4.9	Y	
GIW-07	12/20/13	2.1	75.4	0	22.5	134	-4.3	Y	
GIW-07	12/23/13	2	75.4	0	22.6	120	-4.8	Y	
GIW-07	12/24/13	2	77.4	0	20.6	130	-4.3	Y	
GIW-07	12/25/13	1.7	82.8	0	15.5	118	-7.4	Y	Reduced vac to -5.5 inches
GIW-07	12/26/13	1.8	77.1	0	21.1	134	-2	Y	Increased vac to -3.1 inches
GIW-07	12/27/13	1.9	76.4	0	21.7	134	-4.9	Y	
GIW-07	12/30/13	2	78.4	0	19.6	141	4.4	Y	Increased vac to -0.7 inches
GIW-07	12/31/13	1.9	78.6	0	19.5	158	-0.7	N	Increased vac to -1.9 inches (valve replaced - pump operational)
GIW-07	01/01/14	1.9	79.1	0	19	155	-0.8	NA	Increased vac to -2.5 inches
GIW-07	01/03/14	2	80.2	0	17.8	120	-0.8	Y	Increased vac to -2.6 inches
GIW-07	01/13/14	1.7	82.3	0	16	150	5.7	Y	Increased vac to -4.1 inches
GIW-07	01/15/14	1.2	69.3	3.6	25.9	148	-9.2	Y	Decreased vac to -2.7 inches (pump eval on 16th)
GIW-07	01/17/14	1.6	81	0	17.4	155	-3.9	Y	
GIW-07	01/20/14	2	82.6	0	15.4	168	5.7	Y	Increased vac to -3.2 inches
GIW-07	01/22/14	2.1	81.8	0	16.1	141	-19.8	Y	Decreased vac to -4.1 inches
GIW-07	01/24/14	2	77.9	0	20.1	113	-5	Y	
GIW-07	01/27/14	2	80.4	0	17.6	134	-4.2	Y	
GIW-07	01/29/14	2	76.7	0	21.3	159	-4.3	Y	
GIW-07	02/03/14	1.8	80.7	0	17.5	176	8.3	Y	Increased vac to -0.5 inches
GIW-07	02/05/14	2.3	80.2	0.1	17.4	130	-17	Y	Decreased vac to -4.4 inches
GIW-07	02/07/14	2.5	79.3	0	18.2	170	10.2	N	Increased vac to -4.2 inches (needs new rod)
GIW-07	02/10/14	2.4	76.2	1	20.4	164	-18.4	Y	Decreased vac to -5.1 inches
GIW-07	02/12/14								
GIW-07	02/14/14								
GIW-07	02/17/14	2	75.6	0.1	22.3	135	-26.5	Y	Reduced vac to -16.4 inches
GIW-07	02/19/14	2.8	81.6	0	15.6	178	0.9	N	Increased vac to -0.1 inches (replace pump)

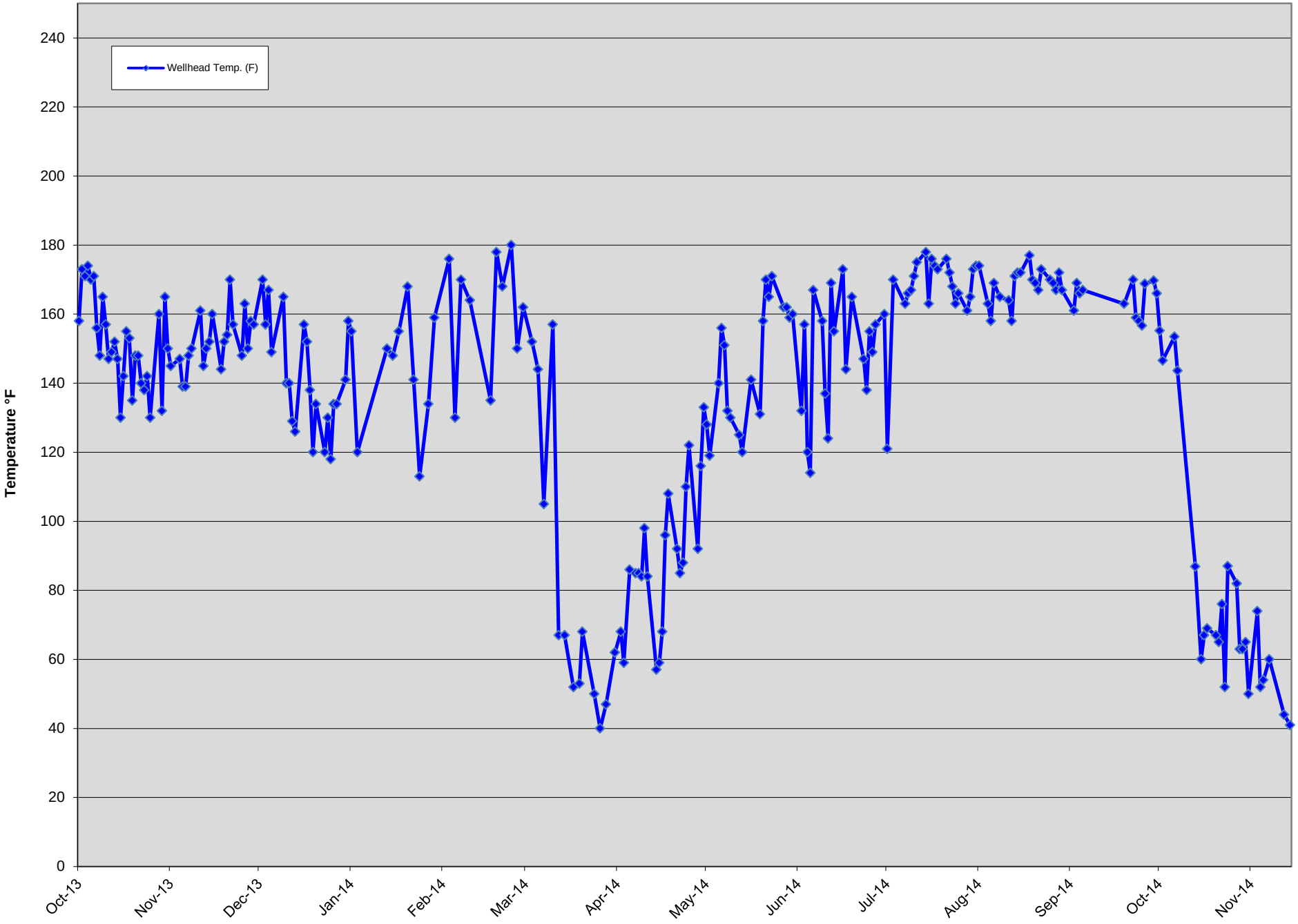
GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-07	02/21/14	2.9	79	0	18.1	168	-4.3	Y	
GIW-07	02/24/14	2.9	80.5	0	16.6	180	7.1	Y	Increased vac to -0.3 inches
GIW-07	02/26/14	2.8	79.1	0	18.1	150	-8.7	N	Decreased vac to -5.4 inches (bad piston)
GIW-07	02/28/14	2.7	81.3	0	16	162	-4.9	Y	
GIW-07	03/03/14	3	83.8	0	13.2	152	-9.5	Y	Decreased vac to -6.9 inches
GIW-07	03/05/14	2.7	83.7	0	13.6	144	-12.7	Y	Decreased vac to -.5 inches
GIW-07	03/07/14	2.7	82.4	0	14.9	105	-21.6	Y	Decreased vac to -18.1 inches
GIW-07	03/10/14	2.6	81	0	16.4	157	-4.9	N	Replaced 1" rod seal
GIW-07	03/12/14	2.6	78.7	0.4	18.3	67	-21.2	Y	Decreased vac to -19.5 inches
GIW-07	03/14/14	3.6	84.3	0.8	11.3	67	-24.9	N	Decreased vac to -20.1 inches (replaced 1" rod seal)
GIW-07	03/17/14	2.2	55.2	4.9	37.7	52	95.8	N	Increased vac to -0.6 inches
GIW-07	03/19/14	4.1	75.6	1.2	19.1	53	184.1	Y	Increased vac to -3.6 inches
GIW-07	03/20/14	2.5	33.1	7.6	56.8	68	-25.9	N	decreased vac to -19.8 inches (replaced 1" rod seal)
GIW-07	03/24/14	4.6	76.5	2	16.9	50	-22.8	N	decreased vac to -4.9 inches (replaced rod seal)
GIW-07	03/26/14	5.2	87.3	0	7.5	40	0.4	Y	increased vac to -1.7 inches
GIW-07	03/28/14	5.4	83.5	0	11.1	47	0.8	Y	increased vac to -1.3 inches
GIW-07	03/31/14	5.5	83.8	0	10.7	62	-3.8	N	(1" seal needs replaced)
GIW-07	04/02/14	4.4	81.4	0	14.2	68	37.5	Y	increased vac to -0.2 inches
GIW-07	04/03/14	4.8	77.8	0.9	16.5	59	-22.5	N	decreased vac to -21.1 inches (1" rod seal needs replaced)
GIW-07	04/05/14	5	79.5	0	15.5	86	2.1	na	decreased vac to -0.8 inches
GIW-07	04/07/14	4.4	79.6	0.1	15.9	85	-20.7	Y	decreased vac to -13.4 inches
GIW-07	04/08/14	4	78.1	0.8	17.1	85	-6.1	Y	decreased vac to -5.4 inches
GIW-07	04/09/14	5.4	77.7	1	15.9	84	-4.4	Y	
GIW-07	04/10/14	4.5	80.9	0	14.6	98	-17.2	na	decreased vac to -14.6 inches
GIW-07	04/11/14	4.4	76.2	1.5	17.9	84	-16.4	na	decreased vac to -8.5 inches
GIW-07	04/14/14	4.9	81.8	0.2	13.1	57	-4.2	N	(blown seal)
GIW-07	04/15/14	5	81.5	0	13.5	59	-4.4	N	(blown seal)
GIW-07	04/16/14	4.6	81.6	0	13.8	68	-3.8	N	
GIW-07	04/17/14	4.1	82.3	0	13.6	96	-3.8	N	(blown seal)
GIW-07	04/18/14	4.2	81.4	0	14.4	108	-4.6	na	
GIW-07	04/21/14	4.3	82.2	0	13.5	92	-2.4	Y	increased vac to -3.1 inches
GIW-07	04/22/14	3.8	82.3	0	13.9	85	14.2	Y	increased vac to -0.9 inches
GIW-07	04/23/14	3.8	81.4	0.2	14.6	88	-14.5	Y	decreased vac to -12.8 inches
GIW-07	04/24/14	3.9	80.9	0	15.2	110	-7.9	Y	decreased vac to -6.5 inches
GIW-07	04/25/14	4	82.2	0	13.8	122	-4	Y	
GIW-07	04/28/14	3.7	82.9	0	13.4	92	-6.2	Y	decrease vac to -5.9 inches
GIW-07	04/29/14	3.2	81.8	0	15	116	90.5	N	Increased vac to -0.6 inches (adjusted 4 way valve)
GIW-07	04/30/14	3.4	82.3	0	14.3	133	-28.6	Y	decreased vac to -25.2 inches
GIW-07	05/01/14	3.5	81.5	0	15	128	-18.8	na	decreased vac to -16 inches
GIW-07	05/02/14	3.8	80.7	0	15.5	119	-16.5	Y	decreased vac to -14.0 inches
GIW-07	05/05/14	4.7	82	0	13.3	140	-4.7	N	(replaced 1" rod seal)
GIW-07	05/06/14	3.2	81.9	0	14.9	156	6.4	Y	increased vac to -0.5 inches
GIW-07	05/07/14	3.6	81.6	0	14.8	151	-5.1	Y	
GIW-07	05/08/14	3.3	79.9	0.4	16.4	132	-16.6	Y	decreased vac to -14.2 inches

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-07	05/09/14	3.4	81.3	0	15.3	130	-10.8	Y	decreased vac to -8.8 inches
GIW-07	05/12/14	3.6	83.1	0	13.3	125	13.8	N	increased vac to -0.8 inches (replaced 1" rod seal)
GIW-07	05/13/14	3.7	80.7	0	15.6	120	-10.9	Y	decreased vac to -10.4 inches
GIW-07	05/16/14	3.4	80.8	0	15.8	141	4	Y	increased vac to -2.1 inches (evaluated on the 15th)
GIW-07	05/19/14	3.2	83.2	0	13.6	131	-2.1	N	increased vac to -2.5 inches (replaced 1" rod seal)
GIW-07	05/20/14	2.9	81.1	0	16	158	31.1	na	increased vac to -0.9 inches
GIW-07	05/21/14	2.8	77.1	0	20.1	170	-11.6	Y	decreased vac to -10.9 inches
GIW-07	05/22/14	3.2	77.7	0	19.1	165	-19.8	Y	decreased vac to -18.2 inches
GIW-07	05/23/14	3	82.1	0.1	14.8	171	-9.7	na	decreased vac to -5.0 inches
GIW-07	05/27/14	3	78.3	0	18.7	162	-7.2	na	Decreased vac to -7.1 inches
GIW-07	05/28/14	2.7	80.8	0	16.5	162	-4	N	(blown bottom seal)
GIW-07	05/29/14	2.9	80.7	0	16.4	159	-4	N	(blown 1" rod seal)
GIW-07	05/30/14	2.6	81.2	0	16.2	160	-1.7	na	Decreased vac to -1.4 inches
GIW-07	06/02/14	3.2	80.9	0	15.9	132	-12.5	N	Decreased vac to -10.5 inches (blown 1" rod seal)
GIW-07	06/03/14	3.1	81.3	0	15.6	157	1.4	N	Increased vac to -0.2 inches (blown 1" rod seal)
GIW-07	06/04/14	3	80.4	0	16.6	120	-17.7	N	Decreased vac to -14.4 inches (blown 1" rod seal)
GIW-07	06/05/14	2.6	75.8	0	21.6	114	-12.9	N	Decreased vac to -10.2 inches (replaced 1" rod seal, pump operational)
GIW-07	06/06/14	2.7	78.1	0	19.2	167	17.7	Y	Increased vac to -0.9 inches
GIW-07	06/09/14	2.5	80.6	0	16.9	158	-8	Y	Decreased vac to -7.9 inches
GIW-07	06/10/14	2.8	79.9	0	17.3	137	-16.4	na	Decreased vac to -15.6 inches
GIW-07	06/11/14	2.7	76.4	0	20.9	124	-15.6	N	Decreased vac to -12.1 inches (replaced 1" rod seal, pump operational)
GIW-07	06/12/14	2.6	80.4	0	17	169	21.2	Y	Decreased vac to -0.2 inches
GIW-07	06/13/14	2.5	78.9	0	18.6	155	-12.9	Y	Decreased vac to -10 inches
GIW-07	06/16/14	3	78.3	0	18.7	173	-7.9	N	Decreased vac to -7 (replaced 1" rod seal, pump operational)
GIW-07	06/17/14	2.5	78.8	0	18.7	144	-13.3	Y	Decreased vac to -12.3
GIW-07	06/19/14	2.3	78.9	0	18.8	165	-4.2	Y	
GIW-07	06/23/14	2.6	78.5	0	18.9	147	-16.9	N	Decreased vac to -15.7 (blown 1" rod seal)
GIW-07	06/24/14	2.6	78.9	0	18.5	138	-9.3	N	Decreased vac to -6.2 (blown 1" rod seal)
GIW-07	06/25/14	2.6	78.8	0	18.6	155	-0.2	N	Increased vac to -1.7 (replaced 1" rod seal, pump operational)
GIW-07	06/26/14	3.4	77.6	0	19	149	-4	N	(replaced 1" rod seal and 1" female gasket, pump operational)
GIW-07	06/27/14	2.4	80.4	0	17.2	157	11.3	Y	Increased vac to -1.9
GIW-07	06/30/14	2.5	77.3	0	20.2	160	-7.9	NA	Decreased vac to -6.7
GIW-07	07/01/14	2.3	73.2	1.3	23.2	121	-14.1	NA	Decreased vac to -13.1
GIW-07	07/03/14	2.4	73	1.4	23.2	170	-16.5	NA	Decreased vac to -10.6
GIW-07	07/07/14	2.3	74	0	23.7	163	-11.1	Y	Decreased vac to -6.5
GIW-07	07/08/14	2.5	79.3	0	18.2	166	-7.3	N	Decreased vac to -3.9 (blown 1" rod seal)
GIW-07	07/09/14	2.7	75.4	0	21.9	167	-0.9	N	Increased vac to -1.1 (blown 1" rod seal)
GIW-07	07/10/14	2.7	78.5	0	18.8	171	-2.5	N	Increased vac to -3.8 (replaced 1" rod seal, refilled memo and 4-way oil, pump operational)
GIW-07	07/11/14	3.6	77	0	19.4	175	3.8	Y	Decreased vac to -0.2
GIW-07	07/14/14	2.8	73.8	0	23.4	178	-8	Y	Decreased vac to -6.9
GIW-07	07/15/14	3.1	75.5	0	21.4	163	-13.8	N	Decreased vac to -11.4 (replaced 4-way valve, pump operational)
GIW-07	07/16/14	2.4	74.4	0	23.2	176	-4.9	Y	
GIW-07	07/17/14	2.1	78.6	0	19.3	174	-7	Y	Decreased vac to -5.1
GIW-07	07/18/14	1.9	78.9	0	19.2	173	-4.9	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-07	07/21/14	2.4	77.6	0	20	176	4.1	N	Increased vac to -0.6 (replaced 1" rod seal, pump operational)
GIW-07	07/22/14	2.5	77.6	0	19.9	172	-5	Y	
GIW-07	07/23/14	2	79.1	0	18.9	168	-4.9	Y	
GIW-07	07/24/14	2	78	0	20	163	-4.6	Y	
GIW-07	07/25/14	2.7	78.8	0	18.5	166	-4.9	N	(replaced the whole blackhawk with a rebuild)
GIW-07	07/28/14	2.1	79.9	0	18	161	-7.2	N	Decreased vac to -6.3 (replaced 1" rod seals, pump operational)
GIW-07	07/29/14	2.3	78.5	0	19.2	165	-5.1	Y	
GIW-07	07/30/14	2	78.7	0	19.3	173	-0.2	Y	Increased vac to -1.7
GIW-07	07/31/14	2	78.7	0	19.3	174	-1.2	N	Increased vac to -1.9
GIW-07	08/01/14	2	77.5	0	20.5	174	-5.1	Y	(replaced 1" rod seal, pump operational)
GIW-07	08/04/14	2.7	77.4	0	19.9	163	-4.1	Y	
GIW-07	08/05/14	2.2	78	0	19.8	158	-4.8	Y	
GIW-07	08/06/14	2.3	78.4	0	19.3	169	-4.1	Y	
GIW-07	08/07/14							Y	
GIW-07	08/08/14	2.2	73.3	0	24.5	165	-4.9	N	(replaced 1" rod seal, pump operational)
GIW-07	08/11/14	2.1	77	0.2	20.7	164	-4	Y	
GIW-07	08/12/14	2.1	79	0	18.9	158	-4.1	Y	
GIW-07	08/13/14	2.7	76.7	0	20.6	171	-4.2	Y	
GIW-07	08/14/14	2.2	79	0	18.8	172	-4.2	Y	
GIW-07	08/15/14	2.3	77.5	0	20.2	172	-4.9	Y	
GIW-07	08/18/14	2.3	74.1	0	23.6	177	-2.1	Y	Increased vac to -4.5
GIW-07	08/19/14	2.2	76.5	0	21.3	170	-3.8	Y	
GIW-07	08/20/14	2.2	75	0	22.8	169	-4.7	Y	Decreased vac to -4.5
GIW-07	08/21/14	3	77	0	20	167	-4.6	N	(replaced 1" rod seal, pump operational)
GIW-07	08/22/14	2.5	77.6	0	19.9	173	2.1	Y	Increased vac to -3.2
GIW-07	08/25/14	2.9	76.6	0	20.5	170	-4.3	N	(replaced 1" rod seal, pump operational)
GIW-07	08/26/14	2.3	76.4	0	21.3	169	-4.8	Y	
GIW-07	08/27/14	2.4	77.1	0	20.5	167	-4.7	N	(replaced 1" rod seal, pump operational)
GIW-07	08/28/14	2.2	77.9	0	19.9	172	-4	Y	
GIW-07	08/29/14	2.4	77.9	0	19.7	167	-4.4	Y	
GIW-07	09/01/14							Y	
GIW-07	09/02/14	2.2	79.2	0	18.6	161	-4.8	Y	
GIW-07	09/03/14	2.3	76.6	0	21.1	169	-4.5	Y	
GIW-07	09/04/14	2.2	77.8	0	20	166	-4.1	Y	
GIW-07	09/05/14	2.3	77	0	20.7	167	-4	Y	
GIW-07	09/08/14							NA	(Not Available due to safe access conditions)
GIW-07	09/09/14							NA	(Not Available due to safe access conditions)
GIW-07	09/10/14							NA	(Not Available due to safe access conditions)
GIW-07	09/11/14							NA	(Not Available due to safe access conditions)
GIW-07	09/12/14							NA	(Not Available due to safe access conditions)
GIW-07	09/15/14							N	(replaced 1" rod, pump operational)
GIW-07	09/16/14							Y	
GIW-07	09/17/14							Y	
GIW-07	09/18/14							Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-07	09/19/14	2	77.1	0.2	20.7	163	-6.5	Y	
GIW-07	09/22/14	3.1	78.5	0	18.4	170	-5.7	Y	
GIW-07	09/23/14	2.2	69	2.3	26.5	159	-4.4	N	(replaced 1" rod seal - pump operational)
GIW-07	09/24/14	2.5	76.2	0.4	20.9	158	-4.96	Y	
GIW-07	09/25/14	5.4	67.1	0.2	27.3	156.7	-9.34	Y	Decreased vac to -6.84
GIW-07	09/26/14	2.4	69.5	0.4	27.7	168.8	-4.38	Y	
GIW-07	09/29/14	3.8	69.3	0.3	26.6	169.7	-10.32	Y	Decreased to -6.72
GIW-07	09/30/14	2.5	71	0	26.5	166	-4.99	Y	
GIW-07	10/01/14	3.3	72.2	0	24.5	155.2	-5.01	Y	
GIW-07	10/02/14	9	68.1	0	22.9	146.6	-4.95	Y	
GIW-07	10/03/14							Y	
GIW-07	10/06/14	9.9	69.6	0.2	20.3	153.5	-4.87	Y	Decreased vac to -4.05
GIW-07	10/07/14	12.6	49.5	0	37.9	143.6	-4.99	Y	
GIW-07	10/08/14							N/A	(Cooling System installed)
GIW-07	10/09/14							N/A	(Cooling System installed)
GIW-07	10/10/14							N/A	(Cooling System installed)
GIW-07	10/13/14	4.7	59.1	0.8	35.4	86.9	-4.39	N/A	(Cooling System installed)
GIW-07	10/14/14							N/A	(Cooling System installed)
GIW-07	10/15/14	12.5	61.5	0.4	25.6	60	-4.1	N/A	(Cooling System installed)
GIW-07	10/16/14	12.5	45	5.5	37	67	-1.5	N/A	Decreased vac to -0.2 (Cooling System Installed)
GIW-07	10/17/14	13.6	52.9	2.9	30.6	69	-3.9	N/A	(Cooling System installed)
GIW-07	10/20/14	8.9	72.2	0.2	18.7	67	-4.4	N/A	(Cooling System installed)
GIW-07	10/21/14	7	69.6	0	23.4	65	-4	N/A	(Cooling System installed)
GIW-07	10/22/14	8	73.1	0.1	18.8	76	-4	N/A	(Cooling System installed)
GIW-07	10/23/14	7.8	73.2	0.4	18.6	52	-4	N/A	(Cooling System installed)
GIW-07	10/24/14	16.2	59	0.7	24.1	87	-6.6	N/A	(Cooling System installed)
GIW-07	10/27/14	14.5	64.2	0.4	20.9	82	-4.1	N/A	(Cooling System installed)
GIW-07	10/28/14	21	55	1.2	22.8	63	-5.1	N/A	(Cooling System installed)
GIW-07	10/29/14	22.3	54.9	0.1	22.7	63	-4.1	N/A	(Cooling System installed)
GIW-07	10/30/14	20.4	56.4	0.2	23	65	-4	N/A	(Cooling System installed)
GIW-07	10/31/14	22.4	56.1	0.4	21.1	50	-4.1	N/A	(Cooling System installed)
GIW-07	11/03/14	22.2	58.9	0.3	18.6	74	-2.5	N/A	(Cooling System installed)
GIW-07	11/04/14	23.7	60	0.3	16	52	-3	N/A	(Cooling System installed)
GIW-07	11/05/14	23.6	55	0.6	20.8	54	-4.1	N/A	(Cooling System installed)
GIW-07	11/06/14							N/A	(Cooling System installed)
GIW-07	11/07/14	26.5	53	0.6	19.9	60	-4.1	N/A	(Cooling System installed)
GIW-07	11/10/14							N/A	(Cooling System installed)
GIW-07	11/11/14							N/A	(Cooling System installed)
GIW-07	11/12/14	26.3	53.1	0.4	20.2	44	-4.6	N/A	Decreased vac to -4 (Cooling System Installed)
GIW-07	11/13/14							N/A	(Cooling System installed)
GIW-07	11/14/14	24.6	58.4	0.5	16.5	41	-4.1	N/A	(Cooling System installed)

GIW-7 Wellhead Temperatures



GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-08	04/08/13	37.4	62.4	0	0.2	78	-0.2	N	
GIW-08	04/09/13	37.4	57.1	0.3	5.2	80	0.1	Y	
GIW-08	04/10/13	42.2	54	0.2	3.6	80	-0.2	Y	
GIW-08	04/11/13	34.7	62.8	0.2	2.3	52	-0.4	Y	
GIW-08	04/12/13	32.9	64.2	0.2	2.7	42	-0.6	N	Pump not operational prior to monitoring
GIW-08	04/13/13	38.5	57.9	0.2	3.4	62	-0.9	N	
GIW-08	04/14/13	28.1	68	0.2	3.7	80	0.6	N	
GIW-08	04/15/13	37.7	58.5	0.3	3.5	74	-0.4	Y	Pump Repaired
GIW-08	04/16/13	27.8	67	0.3	4.9	50	-0.4	Y	
GIW-08	04/17/13	33.6	52.2	0.3	13.9	80	-2.2	Y	
GIW-08	04/18/13	24.1	72.6	0.2	3.1	66	-1	Y	
GIW-08	04/19/13	26.7	54.3	0.9	18.1	80	-2.6	Y	Pump working, but well silted, no flow
GIW-08	04/20/13	27.1	55.1	0.3	17.5	80	-2.6	Y	Pump working, but well silted, no flow
GIW-08	04/21/13	26.1	49.2	0.8	23.9	80	-2.7	Y	
GIW-08	04/22/13	27.2	57.6	0.3	14.9	86	-2.1	Y	Well to be jetted and pumped 4-25
GIW-08	04/23/13	25.9	49.5	0.2	24.4	80	-3	Y	
GIW-08	04/24/13	17.3	41.1	0.2	41.4	90	-4.7	N	Pump being repaired.
GIW-08	04/25/13	21.1	49.1	0.1	29.7	80	-4.1	N	
GIW-08	04/26/13	19.9	51.2	0.4	28.5	92	-4.2	Y	Pump repaired. Rod Seal
GIW-08	04/27/13	21.6	50.3	0.6	27.5	95	-4.7	Y	Operating but not moving liquid, will repair
GIW-08	04/28/13	21.6	70.9	0.2	7.3	82	-4.2	Y	Operating but not moving liquid, will repair
GIW-08	04/29/13	24.6	51	0.3	24.1	98	-3.9	Y	
GIW-08	04/30/13	22.7	51.8	0.5	25	105	-4	N	Operating but not moving liquid, will repair
GIW-08	05/01/13	23.7	55.3	0.2	20.8	101	-4.8	N	Operating but not moving liquid, will repair
GIW-08	05/02/13	24.7	51.5	0.1	23.7	102	-4.8	N	Operating but not moving liquid, will repair
GIW-08	05/03/13	24.3	54.9	0.1	20.7	95	-4.9	N	Operating but not moving liquid, will repair
GIW-08	05/04/13	25.3	49.9	0.4	24.4	94	-4.8	N	Operating but not moving liquid, will repair
GIW-08	05/05/13	23.4	57	0	19.6	90	-4	N	Begin using fluke temp meter
GIW-08	05/06/13	24.5	53	0	22.5	91	-4.3	Y	Pump repaired, moving liquid
GIW-08	05/07/13	20.1	58.4	1.3	20.2	101	-4.2	Y	
GIW-08	05/08/13	18.9	50.8	0.8	29.5	113	-4.6	Y	
GIW-08	05/09/13	18.6	62	0.4	19	109	-2.7	Y	
GIW-08	05/10/13	20.1	54.1	0.4	25.4	104	-4	Y	
GIW-08	05/11/13	21.1	55.5	0.4	23	108	-4.2	Y	
GIW-08	05/12/13	20.3	55.9	0.2	23.6	109	-4	Y	
GIW-08	05/13/13	20.2	58	0.1	21.7	115	-4.2	Y	
GIW-08	05/14/13	23.2	56.2	0	20.6	115	-4.2	Y	
GIW-08	05/15/13	22.6	53.6	0.1	23.7	110	-4.9	Y	Installed check valve
GIW-08	05/16/13	22.5	54.8	0.2	22.5	116	-4	Y	
GIW-08	05/17/13	24.1	57.3	0.3	18.3	111	-4.1	Y	
GIW-08	05/18/13	24.5	56.4	0.3	18.8	117	-4.2	Y	
GIW-08	05/19/13	25.5	57.8	0.5	16.2	116	-4.1	Y	
GIW-08	05/20/13	25.4	57.9	0.1	16.6	114	-4.5	Y	
GIW-08	05/21/13	23.2	53.9	0.6	22.3	112	-4.8	Y	
GIW-08	05/22/13	24.1	57.7	0.5	17.7	115	-4.1	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-08	05/23/13	22.3	55.4	0.3	22	105	-4.9	Y	
GIW-08	05/24/13	27	55.7	0.2	17.1	111	-4	Y	
GIW-08	05/25/13	26.8	55.9	0.7	16.6	114	-4.4	Y	
GIW-08	05/26/13	27.5	61.5	0.3	10.7	113	-4	Y	
GIW-08	05/27/13	27.8	64.8	0.5	6.9	116	-4	Y	
GIW-08	05/28/13	27.6	65.5	0.3	6.6	115	-4.8	Y	
GIW-08	05/29/13	28.9	64.9	0.3	5.9	118	-4.3	Y	
GIW-08	05/30/13	27.2	66.9	0.3	5.6	117	-4	N	Replaced 1-inch rod seal - operational
GIW-08	05/31/13	24.3	60.6	0	15.1	108	-4.8	Y	
GIW-08	06/01/13	27.3	58.8	0	13.9	0	-4.2	Y	6-1 Temp error - data removed
GIW-08	06/02/13	25.2	61.1	0	13.7	108	-4.1	N	Replaced 4-way valve - pump operational
GIW-08	06/03/13	24.1	56.4	0	19.5	109	-4.1	Y	
GIW-08	06/04/13	24.2	56.4	0.5	18.9	116	-4	Y	
GIW-08	06/05/13	30.3	60.8	0.5	8.4	114	-4.1	Y	
GIW-08	06/06/13	25.8	55.5	0.6	18.1	116	-4	Y	
GIW-08	06/07/13	33.7	52.8	0.6	12.9	113	-4.2	Y	
GIW-08	06/08/13	31.3	62.4	0.1	6.2	115	-4	Y	
GIW-08	06/09/13	27.7	57.4	0	14.9	116	-4.2	Y	
GIW-08	06/10/13	34.7	64.7	0.4	0.2	114	-4.1	Y	
GIW-08	06/11/13	28.6	64.6	0.3	6.5	116	-4.2	Y	
GIW-08	06/12/13	27.8	65	0.1	7.1	117	-4	Y	
GIW-08	06/13/13	27.5	64.3	0.3	7.9	114	-4.7	Y	
GIW-08	06/14/13	27.2	63.1	0.2	9.5	117	-4.1	Y	
GIW-08	06/15/13	33.2	55	0.8	11	117	-4.2	Y	
GIW-08	06/16/13	28	65.4	0	6.6	115	-2.8	Y	
GIW-08	06/17/13	26.7	59.3	0.2	13.8	112	-4.8	Y	
GIW-08	06/18/13	25.7	60.7	0.5	13.1	116	-4	Y	
GIW-08	06/19/13	28.4	64.8	0.8	6	118	-4.2	Y	
GIW-08	06/20/13	28.1	69.5	0.5	1.9	118	-4.1	Y	
GIW-08	06/21/13	26.4	62.9	0	10.7	115	-4.3	Y	
GIW-08	06/22/13	33.6	60	0.7	5.7	116	-4.2	Y	
GIW-08	06/23/13	23.3	62.7	0.9	13.1	117	-4.5	Y	
GIW-08	06/24/13	22.4	58.5	0.7	18.4	117	-4.8	Y	
GIW-08	06/25/13	23.5	64.6	0.4	11.5	118	-4.4	N	Replaced 1-inch rod seal, pump operating
GIW-08	06/26/13	24.1	61.9	0.4	13.6	118	-4	Y	
GIW-08	06/27/13	30.4	54.3	1.3	14	118	-4.7	Y	
GIW-08	06/28/13	26.1	64	0.6	9.3	116	-4	Y	
GIW-08	06/29/13	22.5	58.8	0.3	18.4	118	-4.6	Y	
GIW-08	06/30/13	22.5	64.1	0.5	12.9	115	-4	Y	
GIW-08	07/01/13	24.5	64.7	0.6	10.2	118	-4.4	Y	
GIW-08	07/02/13	24.8	65.7	0.7	8.8	118	-4.2	Y	
GIW-08	07/03/13	27.7	63.8	0	8.5	118	-4.8	N	Installed down tube due to silt, operational
GIW-08	07/04/13	26.7	56.4	0.4	16.5	116	-4	Y	
GIW-08	07/05/13	28	62.7	0.5	8.8	117	-4.5	Y	
GIW-08	07/06/13	25.6	65.1	0.3	9	118	-4.1	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-08	07/07/13	30.2	61.5	0.3	8	119	-4.6	Y	
GIW-08	07/08/13	23.2	58.7	0.8	17.3	117	-4.7	Y	
GIW-08	07/09/13	28.2	70.8	0.7	0.3	116	-4.5	Y	
GIW-08	07/10/13	23.8	61.7	1.4	13.1	114	-4	Y	
GIW-08	07/11/13	20.2	57.7	1.3	20.8	115	-4.1	Y	
GIW-08	07/12/13	23.5	60.9	0	15.6	115	-4.1	Y	
GIW-08	07/13/13	31.4	65.3	0	3.3	118	-4.1	Y	
GIW-08	07/14/13	24.7	65.4	0	9.9	116	-4.1	Y	
GIW-08	07/15/13	25.4	64.6	0	10	118	-4.3	Y	
GIW-08	07/16/13	27.1	69.2	0	3.7	131	-4.1	Y	
GIW-08	07/17/13	23.7	67.6	0	8.7	128	-4.7	Y	
GIW-08	07/18/13	24.6	64.5	0	10.9	128	-4.8	Y	
GIW-08	07/19/13	25.6	64	0.4	10	126	-4.5	Y	
GIW-08	07/20/13	21.1	65.8	0	13.1	128	-4	Y	
GIW-08	07/21/13	23.2	67.4	0	9.4	131	-4.6	Y	
GIW-08	07/22/13	27.6	64.8	0.5	7.1	127	-4.6	Y	
GIW-08	07/23/13	25.3	66	0.1	8.6	129	-4.2	Y	
GIW-08	07/24/13	26.7	63.1	0.5	9.7	128	-4.5	Y	
GIW-08	07/25/13	23.9	65.4	0.5	10.2	130	-4.1	Y	
GIW-08	07/26/13	23.5	63.5	0.8	12.2	128	-3.6	Y	
GIW-08	07/27/13	23.8	62.9	0	13.3	129	-4.3	Y	
GIW-08	07/28/13	24.2	62.5	0.2	13.1	131	-4.8	Y	
GIW-08	07/29/13	23.5	62.5	0	14	132	-4.1	Y	
GIW-08	07/30/13	22.4	62	0.5	15.1	132	-4	Y	
GIW-08	07/31/13	23.7	62.8	0.6	12.9	138	-3.7	Y	
GIW-08	08/01/13	23.9	64.2	0.1	11.8	130	-3.8	Y	
GIW-08	08/02/13	23.9	63.7	0.2	12.2	128	-4.3	Y	
GIW-08	08/03/13	23.8	61.6	0.6	14	128	-4.1	Y	
GIW-08	08/04/13	23.7	62.4	0.2	13.7	131	-4	Y	
GIW-08	08/05/13	23.7	63.5	0.4	12.4	130	-4.2	Y	
GIW-08	08/06/13	25.3	63.2	0.4	11.1	129	-4.4	Y	
GIW-08	08/07/13	25.6	64.9	0	9.5	126	-4.8	Y	
GIW-08	08/08/13	26.5	63.5	0	10	128	-4.7	Y	
GIW-08	08/09/13	27.4	61.5	0.7	10.4	128	-4.7	Y	
GIW-08	08/10/13	26.3	61.1	0.5	12.1	131	-4.7	Y	
GIW-08	08/11/13	26.2	63.6	0.4	9.8	132	-4.6	Y	
GIW-08	08/12/13	27.3	62.6	0.3	9.8	128	-4.8	Y	
GIW-08	08/13/13	27.4	61.9	0.5	10.2	126	-4.1	Y	
GIW-08	08/14/13	28.9	60.3	0.3	10.5	127	-4.6	Y	
GIW-08	08/15/13	26.2	63	0	10.8	130	-4.5	Y	
GIW-08	08/16/13	25.2	74.6	0	0.2	130	-4.2	Y	
GIW-08	08/17/13	26.5	63.6	0	9.9	129	-4.7	Y	
GIW-08	08/18/13	26.7	62.4	0.2	10.7	130	-4.8	Y	
GIW-08	08/19/13	28.1	63.2	0.1	8.6	131	-4.4	Y	
GIW-08	08/20/13	27.2	60.8	0	12	132	-4.5	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-08	08/21/13	26.8	62	0	11.2	131	-4.7	Y	
GIW-08	08/22/13	26.4	61.2	0	12.4	130	-4.4	N	Replaced 4 way valve - pump operational
GIW-08	08/23/13	26.2	64.8	0	9	132	-4.3	N	Replaced 4 way valve - pump operational
GIW-08	08/24/13	36.2	63.3	0.4	0.1	133	-3.7	N	Replaced 4 way valve - pump operational
GIW-08	08/25/13	27.9	65.2	0.2	6.7	138	-4.5	N	Replace 1" rod seal - pump operational
GIW-08	08/26/13	25.6	66.3	0	8.1	131	-4.5	Y	
GIW-08	08/27/13	25.6	69.4	0	5	132	-4.8	Y	
GIW-08	08/28/13	28.8	63.8	0.2	7.2	131	-2.9	Y	
GIW-08	08/29/13	27.1	63.1	0	9.8	133	-5.6	Y	
GIW-08	08/30/13	25.4	64.2	0.3	10.1	131	-4	Y	
GIW-08	08/31/13	26	59.6	0.8	13.6	132	-4.9	Y	
GIW-08	09/01/13	25.3	58.1	0.5	17.1	134	-4.3	Y	
GIW-08	09/02/13	26.6	64.6	0.3	8.5	132	-3.8	Y	
GIW-08	09/03/13	25.9	63.2	0	10.9	132	-4.5	Y	
GIW-08	09/04/13	26.5	62	0	11.5	132	-4	Y	
GIW-08	09/05/13	26.5	66.3	0	7.2	130	-4.8	Y	
GIW-08	09/06/13	27.3	71.4	0	1.3	130	-4	Y	
GIW-08	09/07/13	28.5	67.4	0	4.1	125	-5.2	Y	
GIW-08	09/08/13	26.6	69.9	0	3.5	125	-3	Y	
GIW-08	09/09/13	28.5	69.5	0	2	130	-3.5	Y	
GIW-08	09/10/13	27	69.8	0.4	2.8	128	-5	Y	
GIW-08	09/11/13	27.7	70.8	0	1.5	128	-4.7	Y	
GIW-08	09/12/13	28.2	68.3	0	3.5	125	-4.4	Y	
GIW-08	09/13/13	29	70.4	0.1	0.5	132	-2.9	Y	
GIW-08	09/14/13	27.3	69.8	0.3	2.6	118	-4.3	Y	
GIW-08	09/15/13	26.7	68	0.6	4.7	116	-4	Y	
GIW-08	09/16/13	26.3	66.5	0	7.2	123	-3.8	Y	
GIW-08	09/17/13	26.4	65.7	0	7.9	127	-3.8	Y	
GIW-08	09/18/13	25.7	69.8	0	4.5	125	-3.5	Y	
GIW-08	09/19/13	26.9	67	0	6.1	129	-3.8	Y	
GIW-08	09/20/13	28.5	71	0	0.5	122	-3.8	Y	
GIW-08	09/21/13	25.1	71	0	3.9	123	-4.1	Y	
GIW-08	09/22/13	26.4	70.5	0	3.1	131	-3.6	Y	
GIW-08	09/23/13	29.7	69.8	0	0.5	125	-5.2	Y	
GIW-08	09/25/13	26.6	70.6	0	2.8	129	-5.6	Y	
GIW-08	09/26/13	30.5	69.4	0	0.1	126	-3.8	N	Replaced pump set up-pump operatonal
GIW-08	09/27/13	22.5	68.4	0	9.1	136	-2.9	Y	
GIW-08	09/28/13	24.2	67.6	0	8.2	139	-5.5	Y	
GIW-08	09/29/13	22.2	69.6	0	8.2	131	-4.9	Y	
GIW-08	09/30/13	21.3	68.2	0	10.5	136	-3.9	Y	
GIW-08	10/01/13	21.5	68.9	0	9.6	133	-4.3	Y	
GIW-08	10/02/13	21.1	69.3	0	9.6	143	-3	Y	
GIW-08	10/03/13	21	71.2	0	7.8	141	-4.5	Y	
GIW-08	10/04/13	20.1	66.8	0	13.1	142	-4.1	Y	
GIW-08	10/05/13	21.2	77.3	0	1.5	140	-4.7	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-08	10/06/13	16.3	83.6	0	0.1	136	-5.5	Y	
GIW-08	10/07/13	20.9	70.7	0	8.4	139	-4.2	Y	
GIW-08	10/08/13	23.8	70.6	0	5.6	138	-2.7	N	Replaced 1" rod seal-pump operational
GIW-08	10/09/13	22.6	70.1	0	7.3	145	-4.9	Y	
GIW-08	10/10/13	24	70.9	0	5.1	140	-4.3	Y	
GIW-08	10/11/13	23.6	70.3	0	6.1	134	-4.1	Y	
GIW-08	10/12/13	31.1	68.3	0.5	0.1	130	-5.7	N	Replaced 1" rod seal-pump operational
GIW-08	10/13/13	24.3	70.3	0	5.4	125	-4.2	Y	
GIW-08	10/14/13	23.6	71.3	0	5.1	119	-3.2	Y	
GIW-08	10/15/13	24.7	69	0	6.3	131	-5.3	Y	
GIW-08	10/16/13	19	79.9	0	1.1	120	-4.7	Y	
GIW-08	10/17/13	24.3	71.2	0	4.5	123	-4.7	N	Replaced 4 way valve - pump operational
GIW-08	10/18/13	23.9	72.7	0	3.4	129	-4.9	Y	
GIW-08	10/19/13	26.1	70.5	0	3.4	120	-5.4	Y	
GIW-08	10/20/13	22.1	67.7	0	10.2	134	-3.8	Y	
GIW-08	10/21/13	23.4	70.3	0	6.3	131	-4.9	Y	
GIW-08	10/22/13	23.3	76.6	0	0.1	125	-3.8	Y	
GIW-08	10/23/13	23.7	75.3	0	1	138	-4.4	Y	
GIW-08	10/24/13	24	66.2	0	9.8	127	-4.5	Y	
GIW-08	10/25/13	24.5	65.6	0	9.9	125	-5	N	New discharge hose - pump operational
GIW-08	10/28/13	24.5	65.7	0	9.8	129	-5.1	N	Replace air box - pump operational
GIW-08	10/29/13	24.4	66.7	0	8.9	123	-5.5	Y	
GIW-08	10/30/13	25	67.1	0	7.9	125	-3.1	N	Pump replaced - pump operational
GIW-08	10/31/13	21.9	69	0	9.1	135	-3.8	Y	
GIW-08	11/01/13	20.4	71.5	0	8.1	129	-4.6	Y	
GIW-08	11/04/13	21.8	66.3	0	11.9	135	-4.8	Y	
GIW-08	11/05/13	22.8	67.7	0	9.5	129	-5.2	Y	
GIW-08	11/06/13	22.2	67.2	0	10.6	129	-5.3	Y	
GIW-08	11/07/13	23.2	67	0	9.8	129	-5.3	Y	
GIW-08	11/08/13	22.7	67.5	0	9.8	131	-5.1	Y	
GIW-08	11/11/13	25.3	65.7	0	9	125	-6.3	Y	
GIW-08	11/12/13	24.8	68.4	0	6.8	115	-5.3	N	Replaced piston rod - pump operational
GIW-08	11/13/13	22.2	68.5	0	9.3	130	-4.2	Y	
GIW-08	11/14/13	21.4	72.8	0	5.8	129	-3.6	Y	
GIW-08	11/15/13	21.4	67.7	0	10.9	130	-4.9	Y	
GIW-08	11/18/13	23.6	69.8	0	6.6	125	-7	Y	
GIW-08	11/19/13	24.2	67.4	0	8.4	127	-4.2	Y	
GIW-08	11/20/13	23.5	64.5	0	12	120	-4.7	Y	
GIW-08	11/21/13	25.3	69.4	0	5.3	112	-5.2	Y	
GIW-08	11/22/13	23.8	71.3	0	4.9	120	-4.5	Y	
GIW-08	11/25/13	26.3	72.9	0	0.8	117	-7.7	Y	
GIW-08	11/26/13	22.8	67.5	0.2	9.5	113	-3.4	N	Replaced 4 way valve - pump operational
GIW-08	11/27/13	23.6	70.2	0	6.2	108	-3.8	N	Replaced 4 way valve - pump operational
GIW-08	11/28/13	23.2	71.8	0	5	116	-5.1	Y	
GIW-08	11/29/13	21.3	70.8	0	7.9	119	-3.6	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-08	12/02/13	20.6	71	0	8.4	129	-5	Y	
GIW-08	12/03/13	24.9	64.1	0	11	115	-7	Y	
GIW-08	12/04/13	24.2	66.7	0	9.1	103	-5	Y	
GIW-08	12/05/13	23.6	61.6	0.9	13.9	90	-4.1	Y	
GIW-08	12/09/13	23.5	63.9	0.5	12.1	80	-4.2	N	2 inch air line frozen
GIW-08	12/10/13	23.1	63.9	0.1	12.9	87	-4	N	Replaced pump - pump operational
GIW-08	12/11/13	23.5	60.9	0	15.6	61	-1.8	N	Installed new pump - pump operational
GIW-08	12/12/13	4.5	66.8	0	28.7	106	2.6	Y	increased vac to -0.2 inches
GIW-08	12/13/13	14.7	64.8	0	20.5	125	-0.9	Y	
GIW-08	12/16/13	20.3	64.3	0	15.4	113	-1.9	Y	
GIW-08	12/17/13	24.3	68.3	0	7.4	119	-4.1	Y	
GIW-08	12/18/13	23.6	63.3	0	13.1	115	-4.5	Y	
GIW-08	12/19/13	25	65.7	0	9.3	120	-4.9	Y	
GIW-08	12/20/13	22.2	65	0	12.8	123	-4	Y	
GIW-08	12/23/13	25.6	64	0	10.4	98	-4.9	Y	
GIW-08	12/24/13	24.9	68.6	0	6.5	110	-4	Y	
GIW-08	12/25/13	23.8	68.6	0	7.6	105	-5.1	Y	
GIW-08	12/26/13	26.4	65.9	0	7.7	125	-4.7	Y	
GIW-08	12/27/13	23.9	65.6	0	10.5	120	-4.8	Y	
GIW-08	12/30/13	28.7	65.1	0	6.2	103	-6.9	Y	Reduced vac to -5.6 inches
GIW-08	12/31/13	23.2	65.5	0	11.3	110	-3.9	Y	
GIW-08	01/01/14	21.1	71.8	0	7.1	121	-4.4	NA	
GIW-08	01/03/14	28.9	69	0	2.1	100	-4.4	Y	
GIW-08	01/13/14	5.9	71	0	23.1	101	6.3	Y	Increased vac to -1.7 inches
GIW-08	01/15/14	18.3	54.7	4.1	22.9	110	-10.2	Y	Decreased vac to -3.4 inches (pump eval on 16th)
GIW-08	01/17/14	30.1	63.6	0	6.3	60	-14.3	Y	Decreased vac to -5.0 inches
GIW-08	01/20/14	32	61.4	0	6.6	76	-3.3	N	Increased vac to -4.5 inches (replaced 1" seal)
GIW-08	01/22/14	34.4	62	0	3.6	50	-8.1	Y	Decreased vac to -4.6 inches
GIW-08	01/24/14	32.5	58.8	0	8.7	43	-4.1	Y	
GIW-08	01/27/14	13.8	71.7	0	14.5	22	6.1	Y	Increased vac to -4.6 inches
GIW-08	01/29/14	32.3	58	0	9.7	50	-3.9	Y	
GIW-08	02/03/14	33.1	61.5	0	5.4	55	-2.2	Y	Increased vac to -3.0 inches
GIW-08	02/05/14	34.4	59	0	6.6	30	-4.1	Y	
GIW-08	02/07/14	35.9	57.8	0	6.3	51	-2.1	N	Increased vac to -4.2 inches (needs new rod)
GIW-08	02/10/14	35.6	59.2	0	5.2	56	-5.5	N	needs new rod
GIW-08	02/12/14	34.9	61.4	0	3.7	61	-9.7	N	Reduced vac to -7.1 inches (replaced HD piping and fiberglass rod)
GIW-08	02/14/14	18.2	68.9	0	12.9	27	5.9	Y	Increased vac to -1.1 inches
GIW-08	02/17/14	33.3	63.6	0.1	3	63	-13.5	Y	Reduced vac to -8.5 inches
GIW-08	02/19/14	4.5	75	0	20.5	78	20.8	Y	Increased vac to -0.1 inches
GIW-08	02/21/14	28.7	64.7	0	6.6	81	-17.1	Y	Reduced vac to -15.2 inches
GIW-08	02/24/14	28.6	65.4	0	6	82	0.5	Y	Increased vac to -0.1 inches
GIW-08	02/26/14	27.9	57.4	0.4	14.3	43	-20.4	Y	Decreased vac to -13.5 inches
GIW-08	02/28/14	12.9	63.2	2.2	21.7	46	-21.7	Y	Decreased vac to -18.5 inches
GIW-08	03/03/14	14.9	73.8	0	11.3	50	3.8	Y	increased vac to -0.2 inches
GIW-08	03/05/14	25.2	61.2	0.3	13.3	50	-23.5	Y	Decreased vac to -9.2 inches

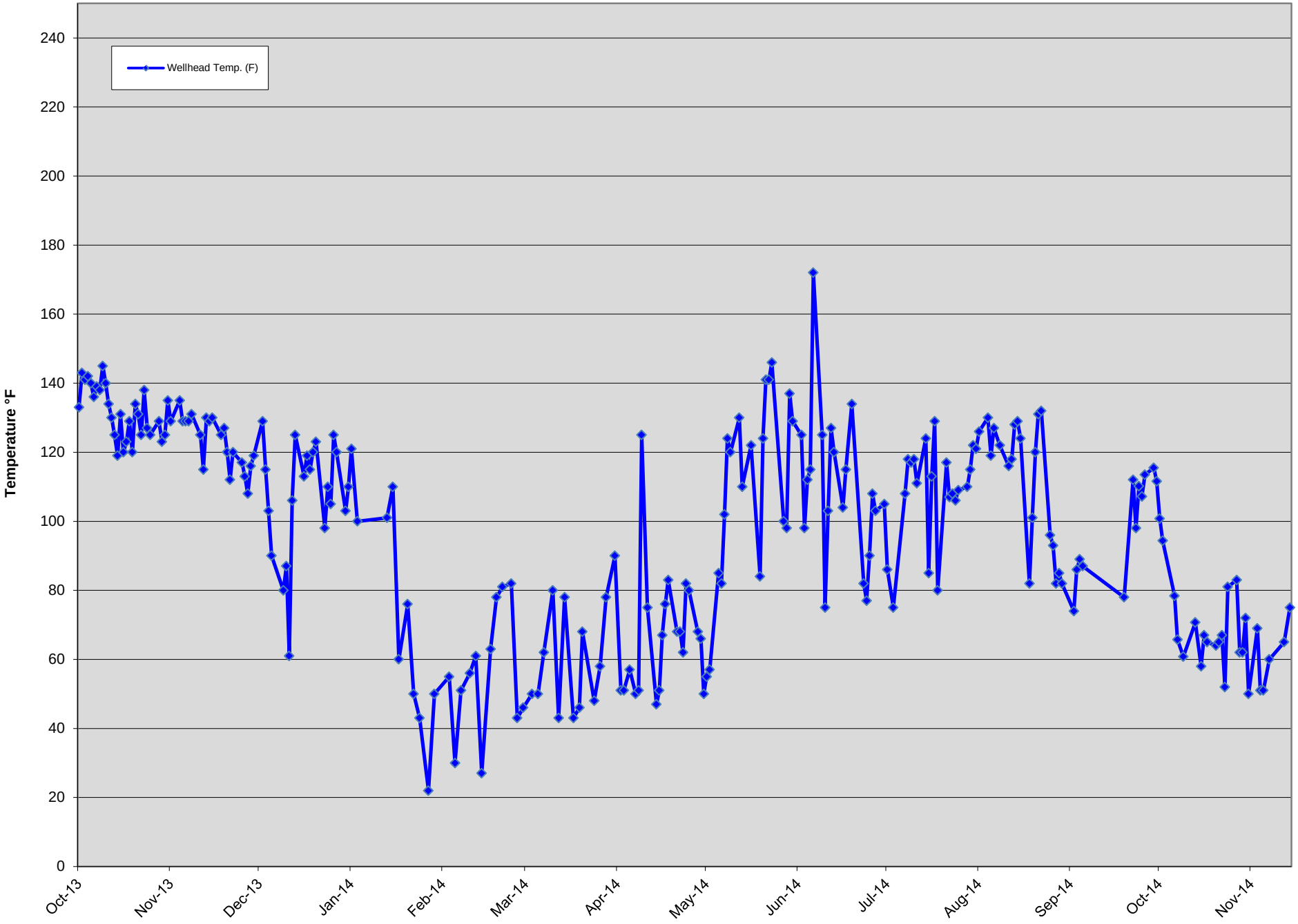
GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-08	03/07/14	14.6	71.4	0	14	62	1.2	Y	Increased vac to -3.6 inches
GIW-08	03/10/14	11.7	73.7	0	14.6	80	13.4	Y	Increased vac to -0.3 inches
GIW-08	03/12/14	28.7	55.8	1.4	14.1	43	-27.6	Y	Decreased vac to -21.9 inches
GIW-08	03/14/14	9.6	73.8	0	16.6	78	10.6	N	Increased vac to -0.8 inches (replaced 1" rod seal)
GIW-08	03/17/14	13.9	81.4	0	4.7	43	1.6	Y	Increased vac to -1.8 inches
GIW-08	03/19/14	9.8	89.5	0	0.7	46	14.5	Y	Increased vac to -13.1 inches
GIW-08	03/20/14	8.8	86	0	5.2	68	-16.7	Y	Decreased vac to -0.3 inches
GIW-08	03/24/14	14.1	74.3	0	11.6	48	6.2	Y	Increased vac to -5.3 inches
GIW-08	03/26/14	7	82.2	0	10.8	58	34	Y	Increased vac to -0.5 inches
GIW-08	03/28/14	17	61.7	1.3	20	78	-25.4	Y	Decreased vac to -15.4 inches
GIW-08	03/31/14	6.1	77.9	0	16	90	36.3	N	Increased vac to -1.3 inches (1" seals needs replaced)
GIW-08	04/02/14	17.7	54.8	2.3	25.2	51	-11.2	Y	Decreased vac to -11 inches
GIW-08	04/03/14	9.7	55.9	3.5	30.9	51	-9	Y	Decreased vac to -4.9 inches
GIW-08	04/05/14	9	42.8	9.2	39	57	-4.1	na	Decreased vac to -1 inches
GIW-08	04/07/14	16.9	68.3	1.3	13.5	50	1.7	Y	Increased vac to -0.5 inches
GIW-08	04/08/14	14.8	53.2	6.2	25.8	51	-11.2	Y	Decreased vac to -6.8 inches
GIW-08	04/09/14	23.9	72.7	0	3.4	125	-3.7	Y	Oxygen reduced (changed pump to AP4)
GIW-08	04/11/14	32.1	63.3	0.8	3.8	75	-28.7	na	Decreased vac to -17.8 inches
GIW-08	04/14/14	29	50.3	3.8	16.9	47	-8.8	Y	Decreased vac to -7.9 inches
GIW-08	04/15/14	37.5	62.3	0	0.2	51	-0.4	Y	Increased vac to -2.2 inches
GIW-08	04/16/14	39.6	56.9	0	3.5	67	0.3	Y	Increased vac to -2.4 inches
GIW-08	04/17/14	39.3	58.2	0	2.5	76	-5.2	Y	
GIW-08	04/18/14	39.6	51.9	0.3	8.2	83	-4.2	na	
GIW-08	04/21/14	36.2	50.3	1.9	11.6	68	-0.2	Y	
GIW-08	04/22/14	36.2	50.4	1.6	11.8	68	-0.4	Y	
GIW-08	04/23/14	29.5	48.2	2.9	19.4	62	-10.9	Y	decreased vac to -10.4 inches
GIW-08	04/24/14	11.7	43.1	7.3	37.9	82	-15.6	Y	decreased vac to -13.4 inches
GIW-08	04/25/14	23.5	58	1.2	17.3	80	-5.4	N	decreased vac to -5.1 inches (liquid below pump)
GIW-08	04/28/14	12.9	45.5	7.4	34.2	68	-15.5	Y	decreased vac to -12.0 inches
GIW-08	04/29/14	22.5	68.6	0	8.9	66	1.9	N	increased vac to -0.2 inches (liquid below pump)
GIW-08	04/30/14	27.5	49.1	3.3	20.1	50	-5.9	N	decreased vac to -1.7 inches (liquid below pump)
GIW-08	05/01/14	32.5	51	1.8	14.7	55	-0.5	na	
GIW-08	05/02/14	28.7	63.9	0	7.4	57	8.2	N	increased vac to -0.3 inches (liquid below pump)
GIW-08	05/05/14	23.5	45.9	4.9	25.7	85	-12.1	N	decreased vac to -8.0 inches (liquid below pump)
GIW-08	05/06/14	33.3	59.2	0	7.5	82	3.4	N	increased vac to -0.2 inches (extended depth of pump)
GIW-08	05/07/14	8.9	73.2	0	17.9	102	39	Y	increased vac to -2.4 inches
GIW-08	05/08/14	18.8	65	0.3	15.9	124	-26.9	Y	decreased vac to -19.3 inches
GIW-08	05/09/14	19.6	67.3	0	13.1	120	-13.8	Y	decreased vac to -12.7 inches
GIW-08	05/12/14	13.6	71	0	15.4	130	1.3	Y	increased vac to -1.1 inches
GIW-08	05/13/14	17.2	67.4	0	15.4	110	-4.7	Y	
GIW-08	05/16/14	10.2	70.7	0	19.1	122	5.8	Y	increased vac to -0.9 inches (evaluated on the 15th)
GIW-08	05/19/14	26.4	57.2	0.7	15.7	84	-28.2	N	decreased vac to -23.6 inches (replaced 1" rod seal)
GIW-08	05/20/14	5.5	73.5	0	21	124	31.4	na	increased vac to -0.1 inches
GIW-08	05/21/14	15.2	70	0	14.8	141	-22.8	Y	decreased vac to 22.1 inches
GIW-08	05/22/14	19.6	66.7	0	13.7	141	-23.8	Y	decreased vac to -22.8 inches

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-08	05/23/14	20.7	67.2	0.1	12	146	-19.5	na	decreased vac to -5.1 inches
GIW-08	05/27/14	26.4	49.2	2.3	22.1	100	-21.7	na	Decreased vac to -19 inches
GIW-08	05/28/14	7.5	69.3	0	23.2	98	17.4	Y	Increased vac to -0.9 inches
GIW-08	05/29/14	16.4	66.6	0	17	137	-11.9	Y	Decreased vac to -10.8 inches
GIW-08	05/30/14	16	67.5	0	16.5	129	-7	na	Decreased vac to -6 inches
GIW-08	06/02/14	16.4	66.9	0	16.7	125	-5	Y	
GIW-08	06/03/14	27.3	50.8	1.6	20.3	98	-19.9	Y	Decreased vac to -19 inches
GIW-08	06/04/14	5	72.7	0	22.3	112	36.5	Y	Increased vac to -3.1 inches
GIW-08	06/05/14	13	71.9	0	15.1	115	-19.1	Y	Decreased vac to -19 inches
GIW-08	06/06/14	15.3	72.4	0	12.3	172	-17.9	Y	Decreased vac to -17.8 inches
GIW-08	06/09/14	19.4	66.3	0	14.3	125	-19	Y	Decreased vac to -18.1 inches
GIW-08	06/10/14	12.2	52.5	4.9	30.4	75	-21.3	na	Increased vac to -21.5 inches
GIW-08	06/11/14	19	70.2	0	10.8	103	-3.9	Y	
GIW-08	06/12/14	15.2	68.4	0	16.4	127	1.5	Y	Increased vac to -0.7 inches
GIW-08	06/13/14	17.4	67.8	0	14.8	120	-4.5	Y	
GIW-08	06/16/14	27.8	51.4	1.5	19.3	104	-22.6	N	Decreased vac to -20.5 (replaced 1/4" gasket on female cam, pump operational)
GIW-08	06/17/14	4.5	72.5	0	23	115	20.4	Y	Increased vac to -1.4
GIW-08	06/19/14	20.5	64.3	0	15.2	134	-20.2	Y	Decreased vac to -16.1
GIW-08	06/23/14	11.5	40.5	8.4	39.6	82	-23.2	N	Decreased vac to -22.7 (blown 1" rod seal)
GIW-08	06/24/14	3.4	29.9	11.9	54.8	77	-0.7	N	(blown 1" rod seal)
GIW-08	06/25/14	30.8	64.7	0	4.5	90	-1	N	Increased vac to -3.7 (replaced 1" rod seal, pump operational)
GIW-08	06/26/14	5.4	67.9	0	26.7	108	7	Y	Increased vac to -0.6
GIW-08	06/27/14	12.6	41.6	8.1	37.7	103	46.6	Y	Increased vac to -14.2
GIW-08	06/30/14	12.4	46.7	5.9	35	105	-16.4	NA	Decreased vac to -8.3
GIW-08	07/01/14	12.6	42.7	7.4	37.3	86	-11.7	NA	Increased vac to -11.8
GIW-08	07/03/14	35.4	41	4.8	18.8	75	-17.4	NA	Decreased vac to -13.6
GIW-08	07/07/14	7.9	65.8	0	26.3	108	20.3	Y	Increased vac to -2.6
GIW-08	07/08/14	25.6	65.1	0	9.3	118	-15.7	Y	Decreased vac to -11.8
GIW-08	07/09/14	22.4	58.5	1.6	17.5	117	-9.1	Y	Decreased vac to -6.4
GIW-08	07/10/14	24.9	63.4	0	11.7	118	-1.4	Y	Increased vac to -3.6 (refilled memo and 4-way oil)
GIW-08	07/11/14	23.9	67.7	0	8.4	111	-5	Y	
GIW-08	07/14/14	22.8	55.7	2.4	19.1	124	-4.9	Y	Decreased vac to -3.5
GIW-08	07/15/14	35.1	54.9	1.1	8.9	85	-19.8	N	Decreased vac to -17 (replaced 1" rod seal, pump operational)
GIW-08	07/16/14	16.2	64.1	0	19.7	113	10.9	Y	Increased vac to -0.9
GIW-08	07/17/14	22.2	61.2	1.4	15.2	129	-15	Y	Decreased vac to -13.2
GIW-08	07/18/14	9.8	50.8	7.7	31.7	80	-19.4	Y	
GIW-08	07/21/14	25.4	46	3.8	24.8	117	-14.6	N	Decreased vac to -7.8 (replaced 1" rod seal, pump operational)
GIW-08	07/22/14	28.7	58.7	0	12.6	107	-4.1	Y	
GIW-08	07/23/14	29.4	62.4	0	8.2	108	-2.5	Y	Increased vac to -5
GIW-08	07/24/14	28.4	62.8	0	8.8	106	-4.6	Y	
GIW-08	07/25/14	28.2	61.7	0	10.1	109	-0.4	Y	Increased vac to -3.1
GIW-08	07/28/14	25.5	66.5	0	8	110	-4.4	Y	
GIW-08	07/29/14	26.3	63.4	0	10.3	115	-4.1	N	(replaced 1" rod seal, pump operational)
GIW-08	07/30/14	26.2	63.7	0	10.1	122	-4.7	Y	
GIW-08	07/31/14	25.1	66.7	0	8.2	121	-0.6	Y	Increased vac to -2

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-08	08/01/14	23.6	63.4	0	13	126	-3.9	Y	
GIW-08	08/04/14	23.6	65	0	11.4	130	-4.9	N	(replaced the 4-way valve, pump operational)
GIW-08	08/05/14	24.7	62.3	0.4	12.6	119	-7.2	Y	Decreased vac to -5.7
GIW-08	08/06/14	24	64.7	0.2	11.1	127	-5.1	Y	
GIW-08	08/07/14							Y	
GIW-08	08/08/14	24.5	64.7	0	10.8	122	-4.9	Y	
GIW-08	08/11/14	23.5	66.8	0	9.7	116	-4.2	Y	
GIW-08	08/12/14	23.7	68	0	8.3	118	-5	Y	
GIW-08	08/13/14	24.7	63.7	0	11.6	128	-4.6	Y	
GIW-08	08/14/14	23.1	66.5	0	10.4	129	-4	N	(replaced 4-way valve, pump operational)
GIW-08	08/15/14	22.7	65.4	0.1	11.8	124	-4.4	Y	
GIW-08	08/18/14	23.4	55.4	2.6	18.6	82	-17.4	N	Decreased vac to -16.9 (replaced 1" rod seal, pump operational)
GIW-08	08/19/14	28.6	60.9	0	10.5	101	-4.9	Y	
GIW-08	08/20/14	9.1	72.6	0	18.3	120	-4	Y	
GIW-08	08/21/14	25.1	63	0	11.9	131	-14	Y	Decreased vac to -9.2
GIW-08	08/22/14	23.1	64.9	0	12	132	-4.9	Y	
GIW-08	08/25/14	34.4	50.3	1.2	14.1	96	-14.5	Y	Decreased vac to -11.6
GIW-08	08/26/14	27.4	51.4	2.4	18.8	93	-13.2	Y	Decreased vac to -9.5
GIW-08	08/27/14	15.6	58.2	3	23.2	82	-13.3	N	Decreased vac to -9.5 (replaced 4-way valve, pump operational)
GIW-08	08/28/14	16.2	48.5	4.8	30.5	85	-20.8	Y	Increased vac to -21.6
GIW-08	08/29/14	4.7	8.7	17.6	69	82	-2.9	Y	Decreased vac to -0.8
GIW-08	09/01/14							Y	
GIW-08	09/02/14	0.3	11.2	17.9	70.6	74	-2.8	Y	Decreased vac to -1.5
GIW-08	09/03/14	1.5	7.1	18.5	72.9	86	-5.6	N	Decreased vac to -1.2 (4-way valve needs to be replaced)
GIW-08	09/04/14	2.5	7	18	72.5	89	-0.1	N	(4-way valve needs to be replaced)
GIW-08	09/05/14	1.4	12.7	16.7	69.2	87	-0.1	N	(replaced 4-way valve, pump operational)
GIW-08	09/08/14							NA	(Not Available due to safe access conditions)
GIW-08	09/09/14							NA	(Not Available due to safe access conditions)
GIW-08	09/10/14							NA	(Not Available due to safe access conditions)
GIW-08	09/11/14							NA	(Not Available due to safe access conditions)
GIW-08	09/12/14							NA	(Not Available due to safe access conditions)
GIW-08	09/15/14							Y	
GIW-08	09/16/14							Y	
GIW-08	09/17/14							Y	
GIW-08	09/18/14							Y	
GIW-08	09/19/14	25.6	53.4	3	18	78	-15.2	N	(replaced 4-way valve, pump operational)
GIW-08	09/22/14	23.6	66.3	0	10.1	112	-6.4	Y	
GIW-08	09/23/14	19.8	59.9	1.7	18.6	98	-5.2	Y	
GIW-08	09/24/14	20.6	66.9	0.5	12	110.2	-6.95	Y	Increased vac to -7.26
GIW-08	09/25/14	28.9	52	1	18.1	107.2	-10.81	Y	Decreased vac to -10.38
GIW-08	09/26/14	17.7	56.3	1.7	24.3	113.5	-13.31	Y	
GIW-08	09/29/14	26.4	56	0.7	16.9	115.5	-11.23	Y	Second reading collected with no vac adjustment
GIW-08	09/30/14	16.5	58.2	0.2	25.1	111.6	-6.35	Y	
GIW-08	10/01/14	19	61.1	0.4	19.5	100.8	-9.83	Y	
GIW-08	10/02/14	21.4	58.3	0.3	20	94.4	-9.83	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-08	10/03/14							Y	
GIW-08	10/06/14	43.5	44.7	1.1	10.7	78.4	-15.14	Y	
GIW-08	10/07/14	19.3	57.8	1.8	21.1	65.7	-15.75	Y	
GIW-08	10/08/14							Y	
GIW-08	10/09/14	12.1	61.6	3.1	23.2	60.8	-21.34	Y	
GIW-08	10/10/14							Y	
GIW-08	10/13/14	4.1	66.8	2.9	26.2	70.7	-17.44	Y	
GIW-08	10/14/14							Y	
GIW-08	10/15/14	6.2	35.9	9.4	48.5	58	-15	N	(1" rod seal needs replaced)
GIW-08	10/16/14	11.3	37.4	8.1	43.2	67	-14.3	N	(1" rod seal needs replaced)
GIW-08	10/17/14	15.3	48.2	6	30.5	65	-13.9	N	(1" rod seal needs replaced)
GIW-08	10/20/14	10.8	43.7	7.6	37.9	64	-14.1	N	(Replaced four way valve, pump's operational)
GIW-08	10/21/14	21.1	62.9	1.9	14.1	65	-15.3	Y	
GIW-08	10/22/14	19.2	59.7	3.8	17.3	67	-14	N	(1" rod seal needs replaced)
GIW-08	10/23/14	16.3	63.8	3.2	16.7	52	-13.5	N	(1" rod seal needs replaced, pump's operational)
GIW-08	10/24/14	15.4	42.3	8.6	33.7	81	-14.5	Y	Increased vac to -15
GIW-08	10/27/14	17	59.3	3.5	20.2	83	-14.1	N	(replaced 1" rod seal, pump operational)
GIW-08	10/28/14	23.1	63.5	1.9	11.5	62	-15.5	Y	
GIW-08	10/29/14	35.5	55	2.1	7.4	62	-14.7	Y	
GIW-08	10/30/14	18.7	53.1	3.8	24.4	72	-13	Y	
GIW-08	10/31/14	11.9	43.1	6	39	50	-12.9	Y	
GIW-08	11/03/14	19.5	50.3	6	24.2	69	-11.6	Y	
GIW-08	11/04/14	24	61.6	2.4	12	51	-11.2	Y	
GIW-08	11/05/14	23.5	46.4	2.8	27.3	51	-11.9	Y	
GIW-08	11/06/14							Y	
GIW-08	11/07/14	12	32.4	9.9	45.7	60	-11.9	Y	
GIW-08	11/10/14							Y	
GIW-08	11/11/14							N	(replaced 1" rod seal and 1 1/4" gasket cam, pump operational)
GIW-08	11/12/14	25.5	67.5	0	7	65	-10.2	Y	Increased vac to -10.7
GIW-08	11/13/14							N	(Replaced four way valve, pump operational)
GIW-08	11/14/14	24.4	69	0	6.6	75	-8.6	Y	

GIW-8 Wellhead Temperatures



GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-09	04/08/13	20.7	69.3	0.1	9.9	140	-0.1	N	
GIW-09	04/09/13	7.1	57.8	3.8	31.3	140	-0.1	Y	
GIW-09	04/10/13	10.7	65	0.9	23.4	140	-0.5	Y	
GIW-09	04/11/13	12.5	66.7	0.1	20.7	140	-0.4	Y	
GIW-09	04/12/13	3.2	66.8	0.3	29.7	130	-0.1	Y	
GIW-09	04/13/13	10.7	63.4	0.3	25.6	140	-0.8	Y	
GIW-09	04/14/13	1.3	65.2	0.2	33.3	140	0.7	Y	
GIW-09	04/15/13	12.4	65.3	0.4	21.9	140	-0.4	Y	
GIW-09	04/16/13	11	66	0.2	22.8	145	-0.4	Y	
GIW-09	04/17/13	16.2	59.9	0.7	23.2	135	-2.6	Y	
GIW-09	04/18/13	10.3	68	0.2	21.5	145	-0.2	Y	
GIW-09	04/19/13	10.3	59.6	1.1	29	130	-3	Y	
GIW-09	04/20/13	12.2	56.6	0.8	30.4	140	-3.1	Y	
GIW-09	04/21/13	9.8	54.3	1.2	34.7	140	-2.5	Y	
GIW-09	04/22/13	9.5	62.3	0.5	27.7	142	-2	Y	
GIW-09	04/23/13	8.7	56.1	0.8	34.4	140	-2.8	Y	
GIW-09	04/24/13	6.7	44.2	1.8	47.3	128	-4.7	Y	
GIW-09	04/25/13	8.1	50	0.8	41.1	140	-4.3	Y	
GIW-09	04/26/13	7	53.7	0.9	38.4	140	-3.3	Y	Pump Repair Made at 5:30 PM
GIW-09	04/27/13	10.1	54.1	1.4	34.4	136	-5.6	Y	
GIW-09	04/28/13	11.9	58.2	0.9	29	136	-4.1	Y	
GIW-09	04/29/13	10	52.9	0.8	36.3	145	-4	Y	
GIW-09	04/30/13	9.3	58.1	0.9	31.7	144	-4.1	Y	
GIW-09	05/01/13	10.7	60.6	0	28.7	140	-4.2	Y	
GIW-09	05/02/13	11.6	56.8	0.6	31	140	-4.8	Y	
GIW-09	05/03/13	13.2	56.5	0.7	29.6	138	-4.9	Y	
GIW-09	05/04/13	12	57.1	0.8	30.1	135	-5	Y	
GIW-09	05/05/13	13.8	58.5	0.1	27.6	140	-4.1	Y	Begin using fluke temp meter
GIW-09	05/06/13	12.9	59.5	0.1	27.5	138	-4.1	Y	
GIW-09	05/07/13	13.9	59.7	0.5	25.9	138	-4	Y	
GIW-09	05/08/13	15.5	52.7	0.6	31.2	136	-4.9	Y	
GIW-09	05/09/13	16.4	60.1	0.3	23.2	140	-3.2	Y	
GIW-09	05/10/13	18.5	57.6	0.2	23.7	136	-5.4	Y	
GIW-09	05/11/13	19	56.2	0.3	24.5	142	-4.2	Y	
GIW-09	05/12/13	17.3	57.6	0.1	25	138	-4.1	Y	
GIW-09	05/13/13	18.5	56.9	0.1	24.5	140	-4.2	Y	
GIW-09	05/14/13	4.6	65.5	0	29.9	143	-4.2	Y	
GIW-09	05/15/13	6.1	65.8	0.5	27.6	128	-4.1	Y	Installed check valve
GIW-09	05/16/13	2.7	61.9	1.2	34.2	133	-4.8	Y	
GIW-09	05/17/13	1.8	63.7	1.5	33	128	-4	Y	
GIW-09	05/18/13	1.4	65.1	0.7	32.8	120	-4.1	Y	
GIW-09	05/19/13	5.9	63.6	1	29.5	118	-4.2	Y	
GIW-09	05/20/13	4	65.2	1.1	29.7	124	-4	Y	
GIW-09	05/21/13	15.7	58.6	1.4	24.3	126	-3.9	Y	
GIW-09	05/22/13	18.5	58.6	1.7	21.2	136	-3.9	Y	
GIW-09	05/23/13	3.1	64.1	1.2	31.6	138	-4	Y	
GIW-09	05/24/13	5.1	62.3	0.9	31.7	144	-3.9	Y	
GIW-09	05/25/13	10	61.3	1.6	27.1	126	-4	Y	
GIW-09	05/26/13	1.6	65	1	32.4	139	-4.1	Y	
GIW-09	05/27/13	0.9	69.4	0.2	29.5	132	-4	Y	
GIW-09	05/28/13	1.1	67.6	0.1	31.2	118	-3.7	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-09	05/29/13	1.8	67	0.2	31	119	-4	Y	
GIW-09	05/30/13	2.1	67.6	0.4	29.9	125	-4.2	Y	
GIW-09	05/31/13	5.8	62.6	1.3	30.3	131	-4	Y	
GIW-09	06/01/13	18.4	60.2	1.4	20	146	-4.1	Y	
GIW-09	06/02/13	9.6	64.9	0.7	24.8	147	-4.5	Y	
GIW-09	06/03/13	1	62.9	0	36.1	148	-4.2	Y	
GIW-09	06/04/13	3	64	1.5	31.5	140	-4.7	Y	
GIW-09	06/05/13	6.7	65.7	0.7	26.9	135	-4	Y	
GIW-09	06/06/13	3.9	64.2	1.3	30.6	138	-3.9	Y	
GIW-09	06/07/13	1.7	61.1	0.8	36.4	141	-4	Y	
GIW-09	06/08/13	12.9	63.4	1.2	22.5	143	-4.2	Y	
GIW-09	06/09/13	7.8	61.4	1.1	29.7	140	-3.8	Y	
GIW-09	06/10/13	2.7	66.9	0.2	30.2	138	-4	Y	
GIW-09	06/11/13	1.4	67.9	0	30.7	131	-4	Y	
GIW-09	06/12/13	2	64.9	1.6	31.5	138	-4	Y	
GIW-09	06/13/13	8.8	62.2	1.5	27.5	135	-4.2	N	Replaced 1-inch rod seal - pump operating
GIW-09	06/14/13	0.8	64	0.1	35.1	138	-4.3	Y	
GIW-09	06/15/13	5.2	61.7	1.2	31.9	139	-4.1	Y	
GIW-09	06/16/13	14.8	62.5	1.9	20.8	135	-3.9	Y	
GIW-09	06/17/13	3.4	64.5	0.7	31.4	138	-4	Y	
GIW-09	06/18/13	1.4	65.6	0.5	32.5	136	-4	Y	
GIW-09	06/19/13	1.3	69.2	0.4	29.1	138	-4	Y	
GIW-09	06/20/13	1.4	70.1	0.3	28.2	133	-3.9	Y	
GIW-09	06/21/13	6.4	63.5	0.4	29.7	137	-4	Y	
GIW-09	06/22/13	1.4	62.6	0.8	35.2	134	-4	Y	
GIW-09	06/23/13	0.7	65.8	0	33.5	140	-4.1	Y	
GIW-09	06/24/13	2.2	63.5	0.6	33.7	138	-3.9	Y	Changed air box
GIW-09	06/25/13	1.2	66	0.1	32.7	140	-4.3	N	Replaced 1-inch rod seal, pump operating
GIW-09	06/26/13	1.5	67.8	0.3	30.4	139	-4	Y	
GIW-09	06/27/13	11.6	57.6	1.5	29.3	139	-4.1	Y	
GIW-09	06/28/13	2.5	68.1	0.2	29.2	138	-4	Y	
GIW-09	06/29/13	2.4	65.3	0.4	31.9	135	-4	Y	
GIW-09	06/30/13	8.5	69.3	0.3	21.9	138	-4	Y	
GIW-09	07/01/13	2.1	69.3	0.3	28.3	135	-4.1	Y	
GIW-09	07/02/13	12.2	69.6	0.3	17.9	141	-4	Y	
GIW-09	07/03/13	13.3	68.9	0	17.8	140	-4.1	Y	
GIW-09	07/04/13	15.1	56.1	2.1	26.7	138	-4	Y	
GIW-09	07/05/13	8.9	63	1.5	26.6	138	-4	Y	
GIW-09	07/06/13	1.3	68.3	0	30.4	136	-3.9	Y	
GIW-09	07/07/13	7.3	63.1	1.4	28.2	136	-4	Y	
GIW-09	07/08/13	6.4	67.4	1.4	24.8	138	-4.4	Y	
GIW-09	07/09/13	9.8	63.5	1.3	25.4	136	-3.6	Y	
GIW-09	07/10/13	0.9	68.2	0.5	30.4	135	-4.1	Y	
GIW-09	07/11/13	2.6	63.7	0.9	32.8	136	-4	Y	
GIW-09	07/12/13	1.9	64.8	0.3	33	134	-4.4	Y	
GIW-09	07/13/13	3.8	64.4	0.1	31.7	140	-4.1	Y	
GIW-09	07/14/13	0.8	65.2	0	34	137	-4.3	Y	
GIW-09	07/15/13	2.2	62.4	0.8	34.6	139	-4.3	Y	
GIW-09	07/16/13	12.9	52.7	5.7	28.7	148	-4.4	Y	Possible O2 sensor error
GIW-09	07/17/13	12.8	70.9	0.1	16.2	156	-0.2	Y	
GIW-09	07/18/13	16.7	67.8	0	15.5	155	-1.3	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-09	07/19/13	11.8	61.3	2.1	24.8	151	-0.5	Y	
GIW-09	07/20/13	10.5	67.8	0.2	21.5	148	-0.5	Y	
GIW-09	07/21/13	14.5	63.5	1.6	20.4	152	-1.5	Y	
GIW-09	07/22/13	16.9	60.8	2.2	20.1	157	-1.6	Y	
GIW-09	07/23/13	19.6	63.6	1.1	15.7	150	-1.1	Y	
GIW-09	07/24/13	12.6	60.3	1.9	25.2	152	-1	N	Replaced 4 way valve - pump operational
GIW-09	07/25/13	11	68.4	0.2	20.4	163	-0.8	N	Replaced 4 way valve - pump operational
GIW-09	07/26/13	10.3	67	0.5	22.2	164	-0.8	Y	
GIW-09	07/27/13	11.3	60.1	1.8	26.8	166	-1.8	Y	
GIW-09	07/28/13	12.2	61.8	1.5	24.5	160	-1.3	Y	
GIW-09	07/29/13	15.1	65.4	0	19.5	160	-1.8	N	Repaired bottom seal - pump operational
GIW-09	07/30/13	13.8	60.1	1.9	24.2	151	-2.3	Y	
GIW-09	07/31/13	15.4	62.5	1	21.1	151	-1.8	Y	
GIW-09	08/01/13	15.8	63.8	0.8	19.6	159	-2	N	Replaced air drive,l rod - pump operational
GIW-09	08/02/13	16.5	62.5	1.4	19.6	151	-2	Y	
GIW-09	08/03/13	13.3	61	1.6	24.1	151	-1.7	Y	
GIW-09	08/04/13	14.3	65.6	0.5	19.6	149	-1.6	Y	
GIW-09	08/05/13	15.8	66.4	0.3	17.5	150	-2.2	Y	
GIW-09	08/06/13	13.8	64	0.8	21.4	150	-2	Y	
GIW-09	08/07/13	11.9	59.5	1.8	26.8	146	-3	Y	
GIW-09	08/08/13	13.7	61.3	1.1	23.9	142	-2.6	Y	
GIW-09	08/09/13	12.1	60.4	1.8	25.7	146	-1.6	Y	
GIW-09	08/10/13	9.2	60.3	1.8	28.7	143	-1.6	Y	
GIW-09	08/11/13	10.8	69.8	0.3	19.1	144	-1.3	Y	
GIW-09	08/12/13	14.1	62	1.1	22.8	151	-2.9	Y	
GIW-09	08/13/13	14.8	59.7	1.8	23.7	148	-2.2	Y	
GIW-09	08/14/13	12.1	57.1	1.9	28.9	150	-2	Y	
GIW-09	08/15/13	14.6	64.4	0.5	20.5	154	-1.2	Y	
GIW-09	08/16/13	14.8	68	1.1	16.1	150	-1.4	Y	
GIW-09	08/17/13	15.1	60.5	1.3	23.1	151	-2.7	Y	
GIW-09	08/18/13	13.9	60.9	1.6	23.6	150	-2.4	Y	
GIW-09	08/19/13	16.4	62	1.3	20.3	152	-1.8	Y	
GIW-09	08/20/13	13.1	60.4	1.5	25	153	-1.8	N	Replaced 4 way valve - pump operational
GIW-09	08/21/13	13.8	61.7	1.3	23.2	153	-1.7	Y	
GIW-09	08/22/13	15.1	63.6	0.4	20.9	154	-1.4	Y	
GIW-09	08/23/13	14.7	59.9	1.6	23.8	152	-1.7	Y	
GIW-09	08/24/13	33.3	60.8	1.9	4	154	-1	Y	
GIW-09	08/25/13	15.7	61.8	1.8	20.7	147	-2.2	Y	
GIW-09	08/26/13	14.8	67.1	0	18.1	152	-0.7	Y	
GIW-09	08/27/13	13.3	62.4	1.6	22.7	153	-2.3	Y	
GIW-09	08/28/13	18.5	65	0.6	15.9	153	-1.8	Y	
GIW-09	08/29/13	12	60.7	1.8	25.5	152	-1.9	Y	
GIW-09	08/30/13	13.5	68.7	0	17.8	153	-1	Y	
GIW-09	08/31/13	13.4	59.9	1.7	25	151	-2.2	Y	
GIW-09	09/01/13	14.6	54.8	0.3	25.1	154	-1	Y	
GIW-09	09/02/13	12.4	61.9	1.9	23.8	142	-1.6	Y	
GIW-09	09/03/13	12	65.5	0	22.5	158	-1	Y	
GIW-09	09/04/13	10.2	60.8	1.8	27.2	146	-1	Y	
GIW-09	09/05/13	11.1	73.3	0	15.6	156	-0.5	Y	
GIW-09	09/06/13	13.7	72.1	0	14.2	154	-0.6	Y	
GIW-09	09/07/13	14.5	67.4	1.3	16.8	146	-0.9	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-09	09/08/13	6.1	76.8	0	17.1	149	-0.1	Y	
GIW-09	09/09/13	14.1	74.1	0	11.8	153	-0.4	Y	
GIW-09	09/10/13	11.9	67.6	1.8	18.7	151	-1.1	Y	
GIW-09	09/11/13	12.4	70.9	1.2	15.5	150	-1.5	Y	
GIW-09	09/12/13	12.8	70.5	1.2	15.5	150	-1.9	Y	
GIW-09	09/13/13	16.6	77.9	0	5.5	152	-0.7	Y	
GIW-09	09/14/13	12.1	69.6	1.9	16.4	149	-1.5	Y	
GIW-09	09/15/13	12.3	69	1.8	16.9	151	-1.1	N	Replaced 4 way valve-pump operational
GIW-09	09/16/13	12.3	68.7	1.1	17.9	150	-1	Y	
GIW-09	09/17/13	12.1	69.5	0.4	18	152	-0.9	Y	
GIW-09	09/18/13	12.2	71	0	16.8	153	-0.6	Y	
GIW-09	09/19/13	13.7	67.6	0.5	18.2	149	-1.5	Y	
GIW-09	09/20/13	13	75.8	0.4	10.8	151	-1	Y	
GIW-09	09/21/13	14	67.6	0	18.4	151	-0.9	Y	
GIW-09	09/22/13	12.7	74.3	0.8	12.2	155	-1	Y	
GIW-09	09/23/13	13.7	66.2	1.9	18.2	152	-3	Y	
GIW-09	09/25/13	11.8	75.9	0.3	12	156	-1.7	Y	
GIW-09	09/26/13	20.1	75.1	0	4.8	155	-0.8	Y	
GIW-09	09/27/13	11.9	71	0	17.1	154	-0.2	Y	
GIW-09	09/28/13	12.9	65.5	0.8	20.8	157	-1.7	Y	
GIW-09	09/29/13	11.2	67.4	0.8	20.6	152	-0.6	Y	
GIW-09	09/30/13	12.1	71.2	0	16.7	156	-0.7	Y	
GIW-09	10/01/13	10.5	63.9	1.6	24	158	-0.1	Y	Replaced broken rod - pump operational
GIW-09	10/02/13	8.1	66.8	0	25.1	160	-0.1	Y	
GIW-09	10/03/13	11.6	66.4	1.7	20.3	159	-2.2	Y	
GIW-09	10/04/13	12	67.5	0.3	20.2	160	-1.9	Y	
GIW-09	10/05/13	11.1	74.6	0	14.3	154	-0.2	Y	
GIW-09	10/06/13	12.5	70.8	0.5	16.2	156	-1.3	Y	
GIW-09	10/07/13	12.7	75.6	0	11.7	157	-0.6	Y	
GIW-09	10/08/13	14.1	76.1	0	9.8	160	-0.1	Y	
GIW-09	10/09/13	11.6	73.4	0.5	14.5	159	-1	Y	
GIW-09	10/10/13	12.9	76.8	0	10.3	159	-0.5	Y	
GIW-09	10/11/13	11.9	74.2	0.4	13.5	159	-0.5	Y	
GIW-09	10/12/13	15.8	61.5	3.7	19	154	-2.4	Y	Adjusted vac reduced O2 to 2.9%
GIW-09	10/13/13	8.8	76.8	0	14.4	157	-0.1	Y	
GIW-09	10/14/13	12.1	71	0	16.9	155	-0.1	Y	
GIW-09	10/15/13	11.5	70.5	0.2	17.8	155	-1.2	Y	
GIW-09	10/16/13	11.2	68.4	0.5	19.9	154	-0.8	Y	
GIW-09	10/17/13	11.3	69.7	0.4	18.6	156	-1.6	Y	
GIW-09	10/18/13	10.4	61.4	2.7	25.5	150	-2.1	Y	
GIW-09	10/19/13	10.7	77.1	0	12.2	150	-1	Y	
GIW-09	10/20/13	10.7	71.2	0	18.1	155	-0.8	Y	
GIW-09	10/21/13	10.7	68.9	1.6	18.8	153	-1.2	Y	
GIW-09	10/22/13	11.5	83.6	0	4.9	151	-0.5	Y	
GIW-09	10/23/13	10.9	79.3	0.4	9.4	158	-1.1	Y	
GIW-09	10/24/13	11.3	70.2	0.4	18.1	154	-1.1	Y	
GIW-09	10/25/13	11	69.6	0.7	18.7	149	-1.8	Y	
GIW-09	10/28/13	10.4	68.6	1	20	155	-1.2	N	Replaced bottom seal - pump operational
GIW-09	10/29/13	10.7	71.7	0.4	17.2	146	-1.8	Y	
GIW-09	10/30/13	9.6	74.7	0	15.7	150	-0.5	Y	
GIW-09	10/31/13	10.4	75.3	0	14.3	155	-2.1	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-09	11/01/13	10.6	70.4	0	19	145	-1.6	Y	
GIW-09	11/04/13	5.9	75.3	0	18.8	151	-1.3	Y	
GIW-09	11/05/13	11.5	66.3	2	20.2	149	-2.2	Y	
GIW-09	11/06/13	10.7	68.8	1.3	19.2	147	-1.7	Y	
GIW-09	11/07/13	11	71.9	0.2	16.9	155	-1.3	Y	
GIW-09	11/08/13	11	73.7	0	15.3	149	-1	Y	
GIW-09	11/11/13	10.5	71.1	0.3	18.1	154	-1.3	Y	
GIW-09	11/12/13	9.5	70.5	1.8	18.2	150	-1.6	N	Replaced piston rod - pump operational
GIW-09	11/13/13	6.7	77.1	0	16.2	150	0.4	Y	
GIW-09	11/14/13	5.2	80.5	0	14.3	156	-5.1	Y	
GIW-09	11/15/13	10.2	73	0	16.8	159	-3.6	Y	
GIW-09	11/18/13	11	73.1	0.8	15.1	154	-2.4	Y	
GIW-09	11/19/13	11.6	74.7	0	13.7	158	-1.5	Y	
GIW-09	11/20/13	10.8	70.9	0	18.3	155	-2.3	Y	
GIW-09	11/21/13	0.6	76.9	0.9	21.6	149	-8	Y	Adjusted vac to -2.7 inches
GIW-09	11/22/13	0.5	82.9	0	16.6	150	2	Y	Adjusted vac to -2.9 inches
GIW-09	11/25/13	6.4	81	0	12.6	150	-8.1	Y	
GIW-09	11/26/13	0.3	77.6	0.8	21.3	113	-12.9	Y	Adjusted vac to -3.8 inches
GIW-09	11/27/13	0.3	81.8	0	17.9	117	0.4	Y	Adjusted vac to -1.8 inches
GIW-09	11/28/13	0.3	76.7	0	23	135	-8.4	Y	
GIW-09	11/29/13	0.5	80.7	0	18.8	156	3.5	Y	Adjusted vac to -1 inches
GIW-09	12/02/13	11.8	65.8	0	22.4	149	-2.8	Y	
GIW-09	12/03/13	10.7	73.5	0	15.8	159	-4.9	Y	
GIW-09	12/04/13	11.7	69.8	0.2	18.3	157	-4.2	Y	
GIW-09	12/05/13	12.2	64.9	1.4	21.5	158	-3.1	Y	
GIW-09	12/09/13	12.2	68	0.8	19	154	-4.9	Y	
GIW-09	12/10/13	11.9	67.8	0.5	19.8	157	-4.1	Y	
GIW-09	12/11/13	11.4	69	0.4	19.2	158	-2.9	Y	
GIW-09	12/12/13	13.1	66.7	0.5	19.7	157	-3.3	Y	
GIW-09	12/13/13	11.9	68	0.8	19.3	162	-7.4	Y	
GIW-09	12/16/13	11.9	57.6	3.5	27	156	-2.4	Y	Decreased vac to -0.5
GIW-09	12/17/13	14.4	70.6	0.2	14.8	156	-0.6	Y	Increased vac to -1.2 inches
GIW-09	12/18/13	12.3	61.8	1.8	24.1	156	-1.1	Y	
GIW-09	12/19/13	12.6	63.9	1.1	22.4	159	-1.4	Y	
GIW-09	12/20/13	13.7	68.8	0	17.5	156	-3.2	Y	Increased vac to -3.8 inches
GIW-09	12/23/13	6.7	65.9	0	27.4	154	-8.2	Y	Reduced vac to -6.6 inches
GIW-09	12/24/13	1	72.6	0	26.4	145	-7	Y	Reduced vac to -5.8 inches
GIW-09	12/25/13	0.2	80.3	0	19.5	110	-16.6	Y	Reduced vac to -6.0 inches
GIW-09	12/26/13	0.7	73.9	0	25.4	130	-4.5	Y	
GIW-09	12/27/13	0.4	71.5	0	28.1	143	-4.9	Y	
GIW-09	12/30/13	1	74.1	0	24.9	123	3.1	Y	Increased vac to -0.8 inches
GIW-09	12/31/13	0.8	73.3	0	25.9	115	-1.4	Y	Increased vac to -3.0 inches
GIW-09	01/01/14	1	73.2	0	25.8	121	-9.2	NA	Reduced vac to -8.7 inches
GIW-09	01/03/14	4.9	61.4	0	33.7	147	-10.7	Y	Reduced vac to -5.9 inches
GIW-09	01/13/14	0.2	79.6	0	20.2	134	1.8	Y	Increased vac to -2.4 inches
GIW-09	01/15/14	0.1	80.2	0	19.7	144	10.5	Y	Increased vac to -2.3 inches (pump eval on 16th)
GIW-09	01/17/14	0.2	79.1	0	20.7	139	-3	Y	
GIW-09	01/20/14	0.2	81.1	0	18.7	142	-3.5	Y	
GIW-09	01/22/14	0.2	80	0	19.8	131	-11.3	Y	Decreased vac to -4.7 inches
GIW-09	01/24/14	0.2	76.4	0	23.4	112	-4.5	Y	
GIW-09	01/27/14	0.2	79	0	20.8	122	-4.9	Y	

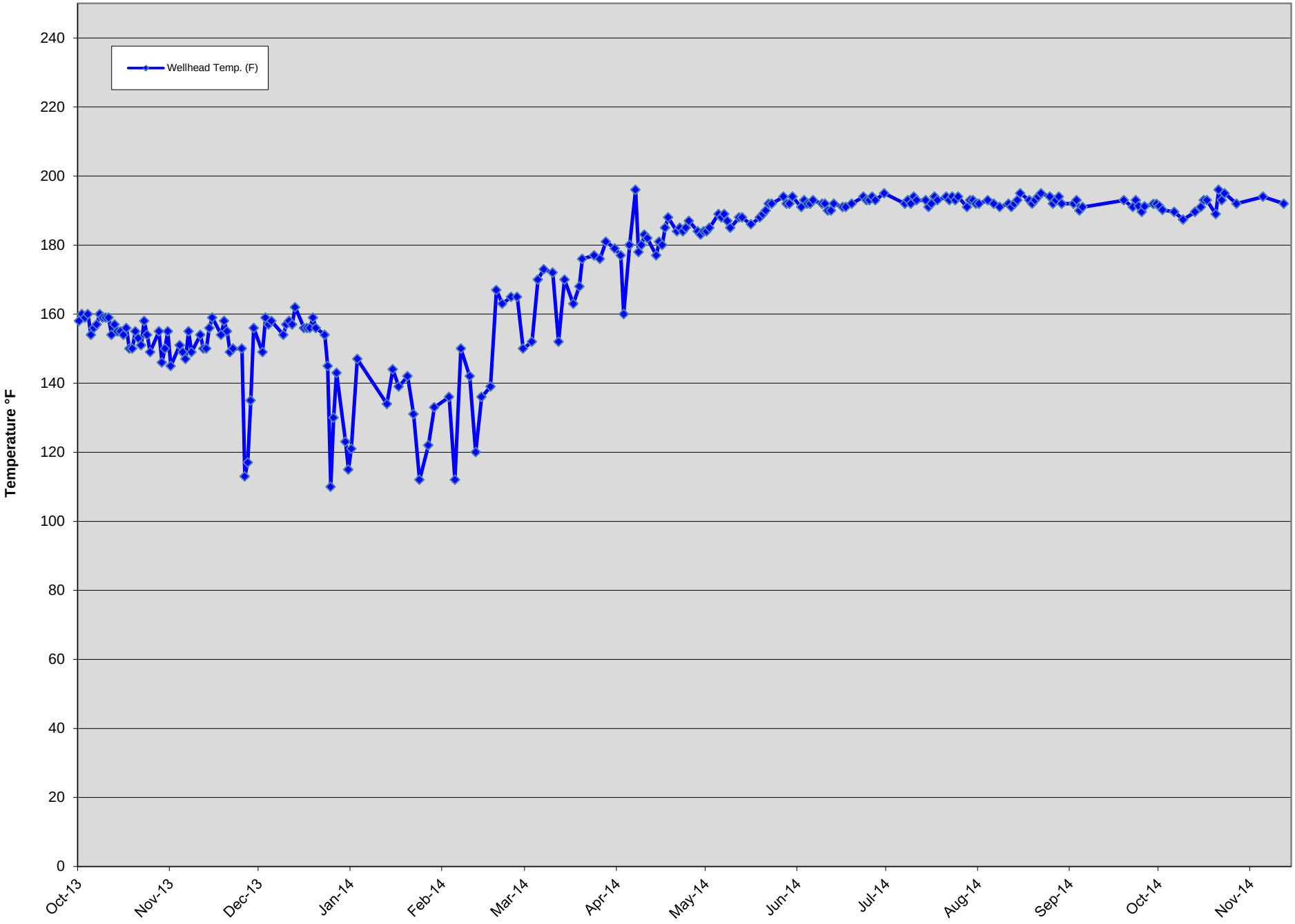
GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-09	01/29/14	0.2	75.5	0	24.3	133	-4.6	N	Jetted and 1 new line set
GIW-09	02/03/14	1.2	75.9	0	22.9	136	-4.6	N	Needs jetted
GIW-09	02/05/14	0.4	78.3	0	21.3	112	-3.9	N	Well jetted out
GIW-09	02/07/14	0.4	77.1	0.1	22.4	150	-3.7	N	(Needs new foot valve and rod)
GIW-09	02/10/14	0.3	77	0.3	22.4	142	-4.3	N	Needs new rod
GIW-09	02/12/14	0.4	78.9	0	20.7	120	-4.6	N	Replaced HD piping and fiberglass rod
GIW-09	02/14/14	0.4	77	0	22.6	136	-10.8	Y	Decreased vac to -9.2 inches
GIW-09	02/17/14	0.8	78.7	0	20.5	139	-14.4	Y	Decreased vac to -10.6 inches
GIW-09	02/19/14	0.6	77.9	0	21.5	167	7.8	N	Increased vac to -0.2 inches (replaced air nipple)
GIW-09	02/21/14	0.9	76	0	23.1	163	-7.3	Y	Decreased vac to -5.5 inches
GIW-09	02/24/14	1.2	77	0	21.8	165	-3.2	Y	Increased vac to -3.9 inches
GIW-09	02/26/14	0.6	78.4	0	21	165	9.8	N	Needs piston
GIW-09	02/28/14	0.5	77.2	0.1	22.2	150	-24.3	Y	Decreased vac to -23.8 inches
GIW-09	03/03/14	0.4	80.4	0	19.2	152	-24.3	Y	Decreased vac to -22.5 inches
GIW-09	03/05/14	0.6	80.3	0	19.1	170	-23.4	Y	Decreased vac to -20 inches
GIW-09	03/07/14	0.4	80.7	0	18.9	173	-18.7	Y	Decreased vac to -16.6 inches
GIW-09	03/10/14	0.5	78.7	0	20.8	172	-21.1	Y	Decreased vac to -19.1 inches
GIW-09	03/12/14	0.7	78.4	0	20.9	152	-19.6	Y	Decreased vac to -14.1 inches
GIW-09	03/14/14	0.5	78.6	0	20.9	170	-8.4	Y	Decreased vac to -7.0 inches
GIW-09	03/17/14	0.3	75.5	1	23.2	163	-10.6	N	Decreased vac to -8.6 inches (replaced 1" rod seal)
GIW-09	03/19/14	0.6	81.5	0	17.9	168	4.7	Y	Increased vac to -0.5 inches
GIW-09	03/20/14	0.5	77.2	0	22.3	176	11.2	Y	Increased vac to -0.5 inches
GIW-09	03/24/14	0.4	78.1	0	21.5	177	-9.7	N	Decreased vac to -3.6 inches (replaced 1" rod seal)
GIW-09	03/26/14	0.7	79.9	0	19.4	176	6.8	N	Increased vac to -0.4 inches (replaced four-way valve-pump operational)
GIW-09	03/28/14	0.7	77	0	22.3	181	14.7	Y	Increased vac to -0.1 inches
GIW-09	03/31/14	0.7	77.9	0	21.4	179	-5.2	Y	
GIW-09	04/02/14	1.4	76.4	0	22.2	177	-4	Y	
GIW-09	04/03/14	0.4	77.4	0.1	22.1	160	-9.4	Y	Decreased vac to -8.4 inches
GIW-09	04/05/14	1.5	78	0	20.5	180	-4.7	na	
GIW-09	04/07/14	0.5	76.8	0.2	22.5	196	-6.9	Y	Decreased vac to -6.2 inches
GIW-09	04/08/14	0.6	76.5	0.3	22.6	178	-7.7	Y	Decreased vac to -5.4 inches
GIW-09	04/09/14	1.5	77.2	0	21.3	180	-4.5	Y	
GIW-09	04/10/14	0.5	77.5	0	22	183	-4.1	na	
GIW-09	04/11/14	0.5	76.5	0	23	182	-4.4	na	
GIW-09	04/14/14	0.7	78.5	0	20.8	177	-4.3	Y	
GIW-09	04/15/14	1.5	75.3	0	23.2	181	-3.9	N	(blown seal)
GIW-09	04/16/14	1	78.7	0	20.3	180	-4.5	N	(blown seal)
GIW-09	04/17/14	2.5	74.3	0	23.2	185	4.3	N	(blown seal)
GIW-09	04/18/14	1.1	76.2	0	22.7	188	-4.5	na	
GIW-09	04/21/14	1.2	76.6	0	22.2	184	-4.7	Y	
GIW-09	04/22/14	1.8	75.5	0	22.7	185	-4.6	Y	
GIW-09	04/23/14	1.1	77.2	0	21.7	184	-4.9	Y	
GIW-09	04/24/14	0.7	77.6	0	21.7	185	0.5	Y	increased vac to -0.6 inches
GIW-09	04/25/14	1	76.5	0	22.5	187	-1	Y	increased vac to -1.5 inches
GIW-09	04/28/14	0.8	78.1	0	21.1	184	-4.8	Y	
GIW-09	04/29/14	0.7	78.8	0	20.5	183	6.3	N	increased vac to -0.6 inches (adjusted 4 way valve)
GIW-09	04/30/14	1.8	75.6	0	22.6	184	-8.6	Y	decreased vac to -6.9 inches
GIW-09	05/01/14	0.9	77.7	0	21.4	184	-6.3	na	decreased vac to -5.9 inches
GIW-09	05/02/14	1.1	77.7	0	21.2	185	-4	Y	
GIW-09	05/05/14	2.1	76.5	0	21.4	189	2.5	Y	increased vac to -0.4 inches
GIW-09	05/06/14	2.8	73.1	0	24.1	188	-0.1	Y	increased vac to -1.3 inches

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-09	05/07/14	2.8	72.5	0	24.7	189	-5	Y	
GIW-09	05/08/14	0.6	77	0	22.4	187	-7.3	Y	decreased vac to -6.1 inches
GIW-09	05/09/14	1.4	75.2	0	23.4	185	-7.1	Y	decreased vac to -5.9 inches
GIW-09	05/12/14	1.1	75.9	0	23	188	1.1	Y	increased vac to -1.5 inches
GIW-09	05/13/14	1.6	74.6	0	23.8	188	-1.2	Y	increased vac to -3.4 inches
GIW-09	05/16/14	1	75.4	0	23.6	186	-4.1	N	pump needs pulled for troubleshooting (evaluation on the 15th)
GIW-09	05/19/14	2.4	73.5	0	24.1	188	5	N	decreased vac to -0.3 inches (pumps needs evaluation)
GIW-09	05/20/14	0.6	75.7	0	23.7	189	2.5	na	Increased vac to -0.5 inches
GIW-09	05/21/14	1.2	73.6	0	25.2	190	-0.8	N	increased vac to -1.7 inches (bad footvalve)
GIW-09	05/22/14	0.9	74.5	0	24.6	192	-0.1	N	increased vac to -1.9 inches (bad footvalve)
GIW-09	05/23/14	0.7	77.6	0	21.7	192	-4.9	na	
GIW-09	05/27/14	1.4	74	0	24.6	194	11.8	na	Increased vac to -1 inches
GIW-09	05/28/14	0.7	69.6	0	29.7	192	-6.2	Y	Decreased vac to -5.7 inches (bad foot valve)
GIW-09	05/29/14	1.3	72.8	0	25.9	192	2.1	Y	Increased vac to -1.2 inches (bad foot valve)
GIW-09	05/30/14	0.9	73.9	0	25.2	194	7.2	na	Increased vac to -0.3 inches
GIW-09	06/02/14	0.4	77	0	22.6	191	-8.6	Y	Decreased vac to -7.3 inches (bad foot valve)
GIW-09	06/03/14	1.7	71.8	0	26.5	193	-1.1	Y	Increased vac to -1.4 inches (bad foot valve)
GIW-09	06/04/14	0.5	75.2	0	24.3	192	-4.1	Y	(bad footvalve)
GIW-09	06/05/14	4	65.1	0	30.9	192	-2.4	Y	Increased vac to -4 inches (bad footvalve)
GIW-09	06/06/14	0.5	74.8	0	24.7	193	-1.6	Y	Increased vac to -2.8 inches (footvalve needs replaced)
GIW-09	06/09/14	0.6	75.7	0	23.7	192	-6.3	Y	Increased vac to -6.6 inches (footvalve needs replaced)
GIW-09	06/10/14	2.8	64.5	0	32.7	192	-4.6	na	
GIW-09	06/11/14	1	73.4	0	25.6	190	-11.1	Y	Decreased vac to -10.2 inches (footvalve needs replaced)
GIW-09	06/12/14	0.9	75.7	0	23.4	190	-10.8	Y	Decreased vac to -9.7 inches (footvalve needs replaced)
GIW-09	06/13/14	0.5	75	0	24.5	192	-8.8	Y	Decreased vac to -8.2 inches
GIW-09	06/16/14	1.3	74.4	0	24.3	191	-13.5	Y	Decreased vac to -12.1 (footvalve needs replaced)
GIW-09	06/17/14	0.6	75.2	0	24.2	191	-8.6	Y	Decreased vac to -7.6
GIW-09	06/19/14	1	72.5	0	26.5	192	-7.4	Y	Decreased vac to -6.8 (replaced footvalve, pump moving liquid)
GIW-09	06/23/14	0.7	74.9	0	24.4	194	4.3	Y	Increased vac to -0.1
GIW-09	06/24/14	0.9	71.6	0	27.5	193	-3.8	Y	
GIW-09	06/25/14	0.4	74	0	25.6	193	-2.1	Y	Increased vac -3.6
GIW-09	06/26/14	0.9	74.6	0	24.5	194	2.2	Y	Increased vac to -3.6
GIW-09	06/27/14	0.5	73.6	0	25.9	193	-9.6	Y	Decreased vac to -8
GIW-09	06/30/14	0.4	74.1	0	25.5	195	4.5	NA	Increased vac to -2.5
GIW-09	07/01/14							NA	No data
GIW-09	07/03/14							NA	No data
GIW-09	07/07/14	0.7	76.3	0	23	192	-14.9	Y	Decreased vac to -13.8 (piston needs replaced)
GIW-09	07/08/14	3	75.5	0	21.5	193	-12.5	Y	Decreased vac to -12.2 (piston needs replaced)
GIW-09	07/09/14	0.4	73.9	0	25.7	192	-11.9	Y	Decreased vac to -10.3 (piston needs replaced)
GIW-09	07/10/14	0.6	68.4	1.2	29.8	194	-12.7	Y	Decreased vac to -11.3 (refilled memo and 4-way oil, piston needs replaced)
GIW-09	07/11/14	0.4	73.5	0	26.1	193	-8.7	Y	Decreased vac to -6 (piston needs replaced)
GIW-09	07/14/14	0.4	72.2	0	27.4	193	-11.2	Y	
GIW-09	07/15/14	0.6	74.7	0	24.7	191	-13.7	Y	Decreased vac to -10.2 (piston needs replaced)
GIW-09	07/16/14	0.4	74.8	0.2	24.6	192	-11.9	Y	Decreased vac to -11 (piston needs replaced)
GIW-09	07/17/14	0.7	76.5	0	22.8	194	-11.2	Y	Increased vac to -11.2 (piston needs replaced)
GIW-09	07/18/14	0.3	60	4.8	34.9	193	-10.3	Y	Decreased vac to -9.9 (piston needs replaced)
GIW-09	07/21/14	1.1	74.5	0	24.4	194	-9.2	Y	Decreased vac to -6.7 (replaced pison, pump moving liquid)
GIW-09	07/22/14	0.4	75.9	0	23.7	193	-5.1	Y	
GIW-09	07/23/14	2.1	73.6	0	24.3	194	-7.7	Y	Decreased vac to -6.5
GIW-09	07/24/14	0.4	74.1	0	25.5	193	-4.3	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-09	07/25/14	0.5	75.6	0	23.9	194	-4.3	Y	
GIW-09	07/28/14	0.4	74.8	0	24.8	191	-9.5	Y	Decreased vac to -8.8
GIW-09	07/29/14	0.4	74.5	0	25.1	193	-10.4	Y	Decreased vac to -8.4
GIW-09	07/30/14	0.3	75.6	0	24.1	193	-10.4	Y	Decreased vac to -8.5
GIW-09	07/31/14	0.7	72	0	27.3	192	-4.8	Y	
GIW-09	08/01/14	0.5	73.8	0	25.7	192	-4.5	Y	
GIW-09	08/04/14	0.5	72.5	0	27	193	-4.7	Y	
GIW-09	08/05/14							Y	
GIW-09	08/06/14	0.4	76.4	0	23.2	192	-4.4	Y	
GIW-09	08/07/14							Y	
GIW-09	08/08/14	1	76.5	0	22.5	191	-4.1	Y	
GIW-09	08/11/14	0.4	76.2	0	23.4	192	-4.5	Y	
GIW-09	08/12/14	0.4	75.9	0	23.7	191	-4.7	Y	
GIW-09	08/13/14	0.4	75.1	0	24.5	192	-4.8	Y	
GIW-09	08/14/14	0.4	75.6	0	24	193	-4.1	Y	
GIW-09	08/15/14	0.4	74.9	0	24.7	195	-4.3	Y	
GIW-09	08/18/14	0.4	75.5	0	24.1	193	-4.7	Y	
GIW-09	08/19/14	0.5	73.9	0	25.6	192	-10.1	Y	Decreased vac to -7.7
GIW-09	08/20/14	0.3	73.9	0	25.8	193	-4	Y	
GIW-09	08/21/14	0.4	73.1	0	26.5	194	-4.3	Y	
GIW-09	08/22/14	0.3	74.2	0	25.5	195	-4.1	Y	
GIW-09	08/25/14	0.4	75.2	0	24.4	194	-4.7	Y	
GIW-09	08/26/14	0.3	74.7	0	25	192	-4.6	Y	
GIW-09	08/27/14	0.4	74.5	0	25.1	193	-4.6	Y	
GIW-09	08/28/14	0.4	74.8	0	24.8	194	-4.3	Y	
GIW-09	08/29/14	0.3	74.5	0	25.2	192	-4	Y	
GIW-09	09/01/14							Y	
GIW-09	09/02/14	0.3	76.5	0	23.2	192	-4	N	(1" rod seal needs to be replaced)
GIW-09	09/03/14	0.3	74.6	0	25.1	193	-4.3	N	(1" rod seal needs to be replaced)
GIW-09	09/04/14	0.2	77	0	22.8	190	-4.4	N	(1" rod seal needs to be replaced)
GIW-09	09/05/14	0.3	74.8	0	24.9	191	-4.2	N	(replaced 1" rod seal, pump operational)
GIW-09	09/08/14							NA	(Not Available due to safe access conditions)
GIW-09	09/09/14							NA	(Not Available due to safe access conditions)
GIW-09	09/10/14							NA	(Not Available due to safe access conditions)
GIW-09	09/11/14							NA	(Not Available due to safe access conditions)
GIW-09	09/12/14							NA	(Not Available due to safe access conditions)
GIW-09	09/15/14							Y	
GIW-09	09/16/14							Y	(hole in HD piping, needs to be pulled and fixed)
GIW-09	09/17/14							Y	(hole in HD piping)
GIW-09	09/18/14							Y	(hole in HD piping)
GIW-09	09/19/14	0.5	74.6	0	24.9	193	-8.8	Y	(hole in HD piping)
GIW-09	09/22/14	2.8	66.7	0	30.5	191	-6.9	Y	(hole in HD piping)
GIW-09	09/23/14	1	74.9	0	24.1	193	-4	Y	(hole in HD piping)
GIW-09	09/24/14	3	85.6	0.4	11	191.3	-5.17	Y	(hole in HD piping)
GIW-09	09/25/14	2.8	65.5	0.2	31.5	189.6	-20.88	Y	Decreased vac to -16.54 (pulled pump and setup)
GIW-09	09/26/14	0.6	67.1	0.4	31.9	191.2	-4.46	N	(replaced HD piping, fiberglass rod, foot valve, 1" rod seal and CAM setup - pump operational
GIW-09	09/29/14	3.7	67.4	0.3	28.6	191.9	-4.4	Y	Increased vac to -4.49
GIW-09	09/30/14	2.3	66.5	0.1	31.1	191.9	-4.28	Y	
GIW-09	10/01/14	2.4	63.2	0.2	34.2	191.3	-4.9	Y	
GIW-09	10/02/14	2.6	66.4	0	31	190.2	-4.68	Y	
GIW-09	10/03/14							Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-09	10/06/14	0.8	67.4	0	31.8	189.6	-4.7	Y	Decreased vac to -4.37
GIW-09	10/07/14							Y	
GIW-09	10/08/14							Y	
GIW-09	10/09/14	0.6	64.7	0	34.7	187.4	-4.44	Y	
GIW-09	10/10/14							Y	
GIW-09	10/13/14	0	56.4	0	43.6	189.6	-4.25	Y	
GIW-09	10/14/14							Y	
GIW-09	10/15/14	0.7	75.6	0	23.7	191	-4.7	Y	
GIW-09	10/16/14	0.9	74.9	0	24.2	193	-4.1	Y	
GIW-09	10/17/14	0.5	75.7	0	23.8	193	-4.2	Y	
GIW-09	10/20/14	0.5	72.6	0.1	26.8	189	-12.2	Y	Decreased vac to -7.2
GIW-09	10/21/14	0.9	73.6	0	25.5	196	-4.9	Y	
GIW-09	10/22/14	0.4	73.9	0	25.7	193	-4.1	N	(HD piping needs pulled and replaced due to a hole in the HD)
GIW-09	10/23/14	0.8	75.7	0	23.5	195	27	N	Increased vac to -0.9 (HD piping needs pulled and replaced due to a hole in the HD)
GIW-09	10/24/14							N	(HD piping needs pulled and replaced due to a hole in the HD)
GIW-09	10/27/14	0.8	71.6	0	27.6	192	-10.2	N	Decreased vac to -9 (Hole in HD piping, unable to repair due to conditions)
GIW-09	10/28/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	10/29/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	10/30/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	10/31/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/03/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/04/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/05/14	1.3	74	0	24.7	194	-11.3	N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/06/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/07/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/10/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/11/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/12/14	0.8	76.8	0	22.4	192	-9	N	Increased vac to -9.8 (Hole in HD piping, unable to repair due to conditions)
GIW-09	11/13/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/14/14							N	(Hole in HD piping, unable to repair due to conditions)

GIW-9 Wellhead Temperatures



GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-10	04/08/13	11	70	0	19	160	-0.9	N	
GIW-10	04/09/13	0.6	68.6	0	30.8	160	-0.5	Y	
GIW-10	04/10/13	0.5	68.2	0.2	31.1	170	1.4	Y	
GIW-10	04/11/13	0.6	70	0.1	29.3	160	-1.5	Y	
GIW-10	04/12/13	0.7	69	0.2	30.1	165	0	Y	
GIW-10	04/13/13	0.6	68.5	0.3	30.6	165	-0.7	Y	
GIW-10	04/14/13	0.6	67.9	0.2	31.3	170	-0.2	Y	
GIW-10	04/15/13	0.8	67.2	0.3	31.7	170	-0.1	Y	
GIW-10	04/16/13	0.7	69.2	0.2	29.9	170	-0.9	Y	
GIW-10	04/17/13	1	67.8	0.3	30.9	170	-2.6	Y	
GIW-10	04/18/13	0.8	69.8	0.2	29.2	160	-0.7	Y	
GIW-10	04/19/13	0.7	67.8	0.5	31	165	-2.6	Y	
GIW-10	04/20/13	1.6	66.5	0.2	31.7	170	-2.7	Y	
GIW-10	04/21/13	0.9	64.6	0.7	33.8	172	-2.3	Y	
GIW-10	04/22/13	1.2	70.4	0.3	28.1	172	-1.4	Y	
GIW-10	04/23/13	0.8	67.4	0.4	31.4	172	-2.7	Y	
GIW-10	04/24/13	0.6	66	0.3	33.1	168	-4.7	Y	
GIW-10	04/25/13	0.8	65.9	0	33.3	175	-4.7	Y	
GIW-10	04/26/13	0.5	69.6	0.1	29.8	170	-4.1	Y	
GIW-10	04/27/13	0.8	70.4	0.7	28.1	178	-4.8	Y	
GIW-10	04/28/13	0.5	72	0.4	27.1	176	-4.2	Y	
GIW-10	04/29/13	0.4	71.1	0.3	28.2	178	-4.2	Y	
GIW-10	04/30/13	0.4	70.3	0.5	28.8	175	-3	Y	
GIW-10	05/01/13	0.3	71.9	0	27.8	174	-3.4	Y	
GIW-10	05/02/13	0.5	68.9	0	30.6	180	-4.3	Y	
GIW-10	05/03/13	0.6	68.2	0.5	30.7	170	-4.7	Y	
GIW-10	05/04/13	0.5	69.2	0.1	30.2	174	-4.2	Y	
GIW-10	05/05/13	0.4	69.9	0	29.7	171	-4.5	Y	Begin using fluke temp meter
GIW-10	05/06/13	0.5	70.2	0.1	29.2	178	-4.2	Y	
GIW-10	05/07/13	0.5	67.7	0.3	31.5	178	-4.4	Y	
GIW-10	05/08/13	1.3	65.6	0.2	32.9	179	-4.9	Y	
GIW-10	05/09/13	0.6	67.5	0	31.9	180	-3.1	Y	
GIW-10	05/10/13	0.7	69.4	0	29.9	180	-4.8	Y	
GIW-10	05/11/13	3.1	67.8	0	29.1	180	-6.2	Y	
GIW-10	05/12/13	2.3	70.5	0	27.2	179	-4.1	Y	
GIW-10	05/13/13	1.6	66.4	0	32	180	-4.2	Y	Pulled pump and replaced seals
GIW-10	05/14/13	1.5	63.1	0	35.4	179	-2.2	Y	
GIW-10	05/15/13	1.2	66.8	0.3	31.7	180	-2.3	Y	Installed check valve
GIW-10	05/16/13	1.9	66.1	0	32	180	-2.4	Y	
GIW-10	05/17/13	0.7	68.9	0	30.4	180	-2.5	Y	
GIW-10	05/18/13	0.4	66.2	0.3	33.1	178	-1.7	Y	
GIW-10	05/19/13	0.4	70.8	0	28.8	172	-1.3	Y	
GIW-10	05/20/13	2.3	68.9	0	28.8	180	-2.5	Y	
GIW-10	05/21/13	0.3	66.9	0.4	32.4	180	-3.3	Y	
GIW-10	05/22/13	0.4	67.8	0	31.8	176	-2.5	Y	
GIW-10	05/23/13	0.2	68.6	0.2	31	180	-3.5	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-10	05/24/13	0.9	65.9	0	33.2	180	-2.8	Y	
GIW-10	05/25/13	4.1	65.7	0.5	29.7	180	-2.7	Y	
GIW-10	05/26/13	0.2	68.2	0.1	31.5	180	-2	Y	
GIW-10	05/27/13	0.4	67.9	0.4	31.3	181	-1.5	Y	
GIW-10	05/28/13	0.6	67.1	0.4	31.9	180	-0.5	Y	
GIW-10	05/29/13	0.6	66.8	0.2	32.4	181	-0.8	Y	Vacuum low, working on header
GIW-10	05/30/13	1.4	67.1	0.2	31.3	176	-3.7	Y	
GIW-10	05/31/13	0.4	67.7	0	31.9	178	-2.3	Y	
GIW-10	06/01/13	0.3	67.6	0	32.1	177	-3.2	Y	
GIW-10	06/02/13	0.7	70.3	0	29	177	-4	Y	
GIW-10	06/03/13	0.3	66.4	0	33.3	180	-2.1	Y	Working on available vac issue
GIW-10	06/04/13	0.3	67.2	0.3	32.2	181	-0.9	Y	Working on available vac issue
GIW-10	06/05/13	0.3	66.5	0.6	32.6	179	-1.9	Y	Working on available vac issue
GIW-10	06/06/13	0.2	66.5	0.7	32.6	179	-2.5	Y	1-inch rod seal replaced
GIW-10	06/07/13	0.2	61.8	0.2	37.8	180	-1.2	Y	Working on available vac issue
GIW-10	06/08/13	0.5	64.6	0.1	34.8	181	-0.6	Y	Sag main header, jumper installed late 6-8
GIW-10	06/09/13	1.8	64.4	0.3	33.5	180	-3.4	Y	Vacuum restored
GIW-10	06/10/13	2.3	63.6	0.6	33.5	181	-4.7	Y	
GIW-10	06/11/13	0.1	64.9	0.3	34.7	179	-4.6	Y	
GIW-10	06/12/13	0.2	63.4	0.1	36.3	180	-4	N	Replaced 1-inch rod seal - pump operating
GIW-10	06/13/13	0.2	65.6	0.3	33.9	180	-4.6	Y	
GIW-10	06/14/13	0.3	64	0.5	35.2	180	-3.9	Y	Pulled pump and cleaned
GIW-10	06/15/13	0.2	65.5	0.8	33.5	180	-3.9	Y	
GIW-10	06/16/13	0.3	66.9	0	32.8	182	-2.2	Y	
GIW-10	06/17/13	0.3	65.1	0.6	34	180	-4.5	Y	
GIW-10	06/18/13	0.1	67	0.3	32.6	182	-4.2	Y	
GIW-10	06/19/13	2.4	66.7	0.4	30.5	182	-3.9	Y	
GIW-10	06/20/13	0.7	68.5	0.6	30.2	181	-4	Y	
GIW-10	06/21/13	0.2	67.4	0.3	32.1	182	-3.8	Y	
GIW-10	06/22/13	0.2	65	0.8	34	180	-4.3	Y	
GIW-10	06/23/13	0.4	63.4	0.5	35.7	181	-4	Y	
GIW-10	06/24/13	1.8	66.1	0.4	31.7	180	-4	Y	
GIW-10	06/25/13	0.8	67.1	0.5	31.6	182	-4.4	Y	
GIW-10	06/26/13	0.8	63.9	1.3	34	181	-4	Y	
GIW-10	06/27/13	0.1	60.8	1.3	37.8	182	-4.5	N	Replaced 1-inch rod seal - pump operating
GIW-10	06/28/13	0.3	65.4	0.5	33.8	182	-3.9	Y	
GIW-10	06/29/13	0.1	64.2	0.4	35.3	183	-4.5	Y	
GIW-10	06/30/13	0	65.4	0.7	33.9	182	-4.8	Y	
GIW-10	07/01/13	0.1	63.5	0.7	35.7	180	-4.4	Y	
GIW-10	07/02/13	0.1	62.5	0.5	36.9	180	-4.3	Y	
GIW-10	07/03/13	0.2	65.7	0.3	33.8	181	-3.9	Y	
GIW-10	07/04/13	0.1	64	0.7	35.2	182	-4.1	Y	
GIW-10	07/05/13	0.2	66.1	0.4	33.3	182	-4	Y	
GIW-10	07/06/13	0	64	0.1	35.9	183	-4.6	Y	
GIW-10	07/07/13	0.6	65.1	0.1	34.2	183	-4	Y	
GIW-10	07/08/13	0.2	66.5	0.4	32.9	182	-4	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-10	07/09/13	0.7	63.5	0.5	35.3	182	-4.2	Y	
GIW-10	07/10/13	1	66.5	0.4	32.1	182	-4.6	Y	
GIW-10	07/11/13	0.9	63.6	1	34.5	182	-4	Y	
GIW-10	07/12/13	1	61.4	1.9	35.7	182	-3.9	Y	
GIW-10	07/13/13	1	73	0.3	25.7	185	-4.1	Y	
GIW-10	07/14/13	0.5	71.9	0	27.6	179	-4	Y	
GIW-10	07/15/13	0.3	78.9	0.1	20.7	178	-4.4	Y	
GIW-10	07/17/13	1.3	69.5	0	29.2	185	-3.8	Y	collected 10 mins after midnight
GIW-10	07/17/13	1.2	67.5	0.4	30.9	185	-2.5	Y	
GIW-10	07/18/13	1.2	67.8	0.2	30.8	186	-2.1	Y	
GIW-10	07/19/13	0.9	68	0.2	30.9	185	-2.2	Y	
GIW-10	07/20/13	0.8	66.7	0.3	32.2	185	-2.1	Y	
GIW-10	07/21/13	0.8	66.7	0.2	32.3	184	-2.4	Y	
GIW-10	07/22/13	0.9	66.5	0.4	32.2	185	-2.3	Y	
GIW-10	07/23/13	1.1	67.7	0.4	30.8	185	-2.1	Y	Pulled and Cleaned Pump
GIW-10	07/24/13	1.1	66	0.5	32.4	184	-3.8	Y	
GIW-10	07/25/13	0.6	67.6	0.4	31.4	185	-2.2	Y	
GIW-10	07/26/13	0.7	66.6	0.8	31.9	185	-1.5	Y	
GIW-10	07/27/13	0.4	63.4	0.4	35.8	183	-2	Y	
GIW-10	07/28/13	0.5	63.2	0.2	36.1	186	-3.2	Y	
GIW-10	07/29/13	0.7	62.7	0	36.6	187	-1.4	Y	
GIW-10	07/30/13	0.4	63.9	0	35.7	187	-1.5	Y	
GIW-10	07/31/13	0.4	62.8	0.4	36.4	186	-1.6	Y	
GIW-10	08/01/13	0.6	65.6	0	33.8	187	-1.3	Y	
GIW-10	08/02/13	0.4	66.1	0	33.5	187	-0.8	Y	
GIW-10	08/03/13	0.6	64	0.4	35	186	-1.5	Y	
GIW-10	08/04/13	0.5	66.3	0.3	32.9	186	-0.9	Y	
GIW-10	08/05/13	0.5	66.1	0.3	33.1	184	-0.7	Y	
GIW-10	08/06/13	0.3	65.8	0.3	33.6	186	-1.1	Y	
GIW-10	08/07/13	1.7	67.2	0	31.1	183	-2.1	Y	
GIW-10	08/08/13	0.9	67.1	0.2	31.8	186	-2.4	Y	
GIW-10	08/09/13	1	67.2	0.3	31.5	185	-2.3	Y	
GIW-10	08/10/13	1	66.2	0.2	32.6	185	-3.1	N	Replaced cylinder head, pump operational
GIW-10	08/11/13	1	65.6	0.5	32.9	185	-2.5	Y	
GIW-10	08/12/13	0.9	65.5	0.7	32.9	184	-2.5	Y	
GIW-10	08/13/13	0.8	71.6	0.3	27.3	183	-3.2	Y	
GIW-10	08/14/13	1.2	63.6	0.2	35	186	-3.2	Y	
GIW-10	08/15/13	1.1	66.4	0.1	32.4	182	-3.1	Y	
GIW-10	08/16/13	1	65.5	0	33.5	183	-3	Y	
GIW-10	08/17/13	1.1	64	0	34.9	182	-2.7	Y	
GIW-10	08/18/13	1	66.4	0.1	32.5	183	-2	Y	
GIW-10	08/19/13	1.7	65	0.4	32.9	185	-2.1	Y	
GIW-10	08/20/13	1.4	67	0	31.6	183	-2.9	Y	
GIW-10	08/21/13	0.9	67.4	0	31.7	184	-1.8	Y	
GIW-10	08/22/13	1.6	67.2	0	31.2	185	-2.6	Y	
GIW-10	08/23/13	1.8	66.7	0	31.5	183	-1.8	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-10	08/24/13	0.7	69.8	0.2	29.3	182	-1.2	Y	
GIW-10	08/25/13	1	71.5	0.3	27.2	183	-2.6	Y	
GIW-10	08/26/13	1.1	66	0	32.9	185	-2.3	Y	
GIW-10	08/27/13	1.8	67.5	0.1	30.6	185	-3.1	Y	
GIW-10	08/28/13	1	66.7	0	32.3	184	-1.9	Y	
GIW-10	08/29/13	1.2	71.3	0	27.5	184	-2.7	Y	
GIW-10	08/30/13	0.9	69.4	0	29.7	186	-1.9	Y	
GIW-10	08/31/13	0.9	65	0	34.1	185	-1.7	Y	
GIW-10	09/01/13	1.4	66.8	0.2	34	184	-2.7	Y	
GIW-10	09/02/13	1	67.1	0.3	31.6	185	-2.3	Y	
GIW-10	09/03/13	4.7	66.5	0.1	28.7	188	-2.1	Y	
GIW-10	09/04/13	1	63.9	0	35.1	186	-1.8	Y	
GIW-10	09/05/13	0.9	69	0	30.1	186	-2.3	Y	
GIW-10	09/06/13	1.7	70.8	0	27.5	188	-0.8	Y	
GIW-10	09/07/13	1.1	69.3	0	29.6	187	-2.1	Y	
GIW-10	09/08/13	0.8	69.7	0	29.5	187	-1.9	Y	
GIW-10	09/09/13	0.7	70.7	0	28.6	187	-1.1	Y	
GIW-10	09/10/13	0.9	73.2	0.2	25.7	182	-1.8	Y	
GIW-10	09/11/13	0.8	72.4	0	26.8	187	-1.4	N	Replaced 4 way valve, pump operational
GIW-10	09/12/13	0.9	71.1	0	28	187	-1.9	Y	
GIW-10	09/13/13	0.2	76.9	0	22.9	183	-1.8	Y	
GIW-10	09/14/13	1.6	71.1	0.4	26.9	183	-2.4	Y	
GIW-10	09/15/13	0.8	71.6	0.1	27.5	182	-1.3	N	Replaced 4 way valve, pump operational
GIW-10	09/16/13	0.9	69.3	0	29.8	185	-1.5	Y	
GIW-10	09/17/13	0.9	66.8	0	32.3	186	-1.6	Y	
GIW-10	09/18/13	0.3	78.2	0	21.5	183	-2.1	Y	
GIW-10	09/19/13	0.7	72.1	0	27.2	184	-2.1	Y	
GIW-10	09/20/13	1	74.1	0	24.9	185	-1.5	Y	
GIW-10	09/21/13	1	66.2	0	32.8	187	-1.4	Y	
GIW-10	09/22/13	1	72.5	0	26.5	185	-0.8	N	New pump installed - pump operational
GIW-10	09/23/13	0.2	80.3	0	19.5	183	-2.4	Y	
GIW-10	09/25/13	1.1	75.1	0	23.8	183	-3.6	Y	
GIW-10	09/26/13	1	75	0	24	182	-3.2	Y	
GIW-10	09/27/13	0.8	70.7	0	28.5	182	-1.2	Y	
GIW-10	09/28/13	0	73.4	0	26.6	177	-4.6	Y	
GIW-10	09/29/13	0.2	72.4	0	27.4	177	-6.1	N	Replaced air box - pump operational
GIW-10	09/30/13	0.1	72.8	0	27.1	177	-1.7	Y	
GIW-10	10/01/13	0.2	72.8	0	27	176	-1.4	Y	
GIW-10	10/02/13	1	72.6	0	26.4	179	-0.1	Y	
GIW-10	10/03/13	0.2	76.7	0.1	23	178	-3.3	Y	
GIW-10	10/04/13	0.3	71.1	0	28.6	176	-3.1	Y	
GIW-10	10/05/13	0.3	78.7	0	21	174	-5	Y	
GIW-10	10/06/13	0.2	78	0	21.8	172	-5.5	Y	
GIW-10	10/07/13	0.2	77.1	0	22.7	178	-2.9	Y	
GIW-10	10/08/13	0.3	80.5	0	19.2	176	-0.8	Y	
GIW-10	10/09/13	0.2	79.8	0	20	177	-1.8	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-10	10/10/13	0.3	80.8	0	18.9	176	-1.6	Y	
GIW-10	10/11/13	0.5	80.1	0	19.4	178	-1.6	Y	
GIW-10	10/12/13	0.4	80.5	0	19.1	174	-3.7	Y	
GIW-10	10/13/13	1.1	79.9	0	19	179	-2.4	Y	
GIW-10	10/14/13	1.1	72.7	0	26.2	178	-0.9	Y	
GIW-10	10/15/13	0.2	77.4	0	22.4	173	-4.4	Y	
GIW-10	10/16/13	0.2	78.8	0	21	164	-2.8	Y	
GIW-10	10/17/13	0.2	76.1	0.1	23.6	172	-3.7	Y	
GIW-10	10/18/13	0.2	79.1	0.5	20.2	163	-3.1	Y	
GIW-10	10/19/13	0.2	83.5	0.1	16.2	168	-5	Y	
GIW-10	10/20/13	0.3	79.3	0	20.4	167	-4.5	Y	
GIW-10	10/21/13	0.2	81.9	0.3	17.6	168	-6	Y	
GIW-10	10/22/13	0.2	90.7	0	9.1	169	-5	Y	
GIW-10	10/23/13	0.3	89	0	10.7	170	-4.6	Y	
GIW-10	10/24/13	0.2	77.8	0.3	21.7	170	-6.1	Y	
GIW-10	10/25/13	0.2	76.6	0.3	22.9	174	-5.7	Y	
GIW-10	10/28/13	0.1	76	1.4	22.5	157	-5.3	N	Replace air box - pump operational
GIW-10	10/29/13	0.1	73.5	2.3	24.1	155	-5.2	Y	
GIW-10	10/30/13	0.1	78	1.5	20.4	153	-4	Y	
GIW-10	10/31/13	0.2	76.6	1.8	21.4	145	-4.8	Y	
GIW-10	11/01/13	0.1	75.1	2.7	22.1	147	-4.1	Y	
GIW-10	11/04/13	0.1	77.1	1.5	21.3	135	-1.3	Y	
GIW-10	11/05/13	0.6	75.7	2.4	21.3	142	-3.4	Y	
GIW-10	11/06/13	0.2	80.6	0.3	18.9	155	-1.1	Y	
GIW-10	11/07/13	0.2	74.8	2.7	22.3	155	-3.9	Y	
GIW-10	11/08/13	0.2	78.4	2	19.4	152	-2.7	Y	
GIW-10	11/11/13	0.1	75.8	2.1	22	148	-4	Y	
GIW-10	11/12/13	0.1	78.4	2.7	18.8	140	-3.4	N	Fiberglass rod broke, will be replaced
GIW-10	11/13/13	0.1	80.7	1.7	17.5	144	-2.3	N	Fiberglass rod broke, will be replaced
GIW-10	11/14/13	0.1	85.5	0.8	13.6	149	-2	Y	Fiberglass rod broke, will be replaced
GIW-10	11/15/13	0.2	84.5	0	15.3	153	6.3	Y	Fiberglass rod broke, will be replaced
GIW-10	11/18/13	0.2	88.5	0	11.3	144	-3.9	Y	Fiberglass rod broke, will be replaced
GIW-10	11/19/13	0.3	77.9	0	21.8	162	6.8	Y	Fiberglass rod broke, will be replaced, adjusted vac to -2.5 inches
GIW-10	11/20/13	0.1	81.8	0	18.1	136	-3.5	Y	Fiberglass rod broke, will be replaced
GIW-10	11/21/13	0.2	86.4	0	13.4	150	11.7	N	Replaced rod and pump-pump operational, adjusted vac to -3.6 inches
GIW-10	11/22/13	0.2	88.4	0	11.4	145	-3.2	Y	
GIW-10	11/25/13	0.2	89.9	0	9.9	147	-5.5	Y	
GIW-10	11/26/13	0.3	83.2	0.2	16.3	144	-3.1	Y	
GIW-10	11/27/13	0.3	85.7	0	14	147	-4.7	Y	
GIW-10	11/28/13	0.2	78.3	0	21.5	155	-4	Y	
GIW-10	11/29/13	0.3	86	0	13.7	155	-4.7	Y	
GIW-10	12/02/13	0.3	77.9	0	21.8	162	-4.5	Y	
GIW-10	12/03/13	0.5	78.7	0	20.8	161	-4.2	Y	
GIW-10	12/04/13	0.3	79.9	0	19.8	159	-4.6	Y	
GIW-10	12/05/13	0.2	76.8	0.5	22.5	171	-7.5	Y	
GIW-10	12/09/13	0.3	77.3	0	22.4	156	-4	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-10	12/10/13	0.5	78.2	0	21.3	144	-4.6	Y	
GIW-10	12/11/13	0.2	76.9	0	22.9	161	8	Y	Made adjustment to vac to 0.1 inches
GIW-10	12/12/13	0.3	75	0.2	24.5	164	-4.2	Y	
GIW-10	12/13/13	0.3	83.6	0	16.1	172	4.5	Y	Increased vac to -1.3 inches
GIW-10	12/16/13	0.3	73.1	0	26.6	181	-4	Y	
GIW-10	12/17/13	0.8	74.2	0	25	180	-4.8	Y	
GIW-10	12/18/13	0.5	69.2	0	30.3	179	-4.8	Y	
GIW-10	12/19/13	0.8	70.6	0	28.6	182	-4.1	Y	
GIW-10	12/20/13	0.4	71.3	0	28.3	180	-4.9	Y	
GIW-10	12/23/13	0.5	73.6	0.2	25.7	165	-17.7	Y	Reduced vac to -14.3 inches
GIW-10	12/24/13	0.7	76.3	0	23	161	-12.6	Y	Reduced vac to -8.5 inches
GIW-10	12/25/13	0.2	82.7	0	17.1	173	16.5	Y	Increased vac to -2.7 inches
GIW-10	12/26/13	0.4	74.3	0	25.3	181	-4.3	Y	
GIW-10	12/27/13	0.4	72	0	27.6	177	-4.3	Y	
GIW-10	12/30/13	0.4	75.9	0.3	23.4	152	-18.9	Y	Reduced vac to -13.3 inches
GIW-10	12/31/13	0.6	76	0	23.4	165	-4.9	Y	
GIW-10	01/01/14	0.5	76.9	0	22.6	165	-4.1	NA	
GIW-10	01/03/14	0.4	77.9	0	21.7	167	3.1	Y	Increased vac to -1.4 inches
GIW-10	01/13/14	0.2	66.6	0	33.2	181	39.3	Y	Increased vac to -1.1 inches
GIW-10	01/15/14	0.1	67.5	4.8	27.6	160	-12.5	Y	Decreased vac to -1.1 inches (pump eval on 16th)
GIW-10	01/17/14	0.1	84.4	0	15.5	150	-19.3	Y	Decreased vac to -5.1 inches
GIW-10	01/20/14	0.1	86	0	13.9	172	2.8	N	Increased vac to -4.6 inches (replace 1" rod seal)
GIW-10	01/22/14	0.2	85	0	14.8	141	-10.2	Y	Decreased vac to -5.0 inches
GIW-10	01/24/14	0.1	80.6	0	19.3	150	-5.2	Y	
GIW-10	01/27/14	0.2	84	0	15.8	158	-4.9	Y	
GIW-10	01/29/14	0.1	80.2	0	19.7	160	-5	Y	
GIW-10	02/03/14	0.1	81	0	18.9	177	8.7	Y	Increased vac to -0.6 inches
GIW-10	02/05/14	0.3	79.7	0	20	162	-4.9	Y	
GIW-10	02/07/14	0.4	81.1	0.2	18.3	165	-12.6	Y	Decreased vac to -3.8 inches
GIW-10	02/10/14	0.4	80.3	0.6	18.7	163	-10.3	Y	Reduced vac to -4.1 inches
GIW-10	02/12/14	0.4	80.8	0	18.8	170	-14.2	Y	Reduced vac to -12.4 inches
GIW-10	02/14/14	0.3	80.7	0	19	152	-4.9	N	Replaced 1in rod seal
GIW-10	02/17/14	0.3	83.5	0	16.2	142	-14.3	Y	Decreased vac to -10.3 inches
GIW-10	02/19/14	0.4	80.3	0	19.3	171	12.3	Y	Increased vac to -0.3 inches
GIW-10	02/21/14	0.2	79.5	0	20.3	165	-5.7	N	Decreased vac to -5.2 inches (needs rod seal)
GIW-10	02/24/14	0.4	81.6	0	18	155	-4.2	Y	
GIW-10	02/26/14	0.7	81.9	0	17.4	156	4.2	N	Increased vac to -3.0 inches (needs valve replacement)
GIW-10	02/28/14	0.5	80.2	0	19.3	162	-0.3	N	Increased vac to -1.3 inches (replaced valve)
GIW-10	03/03/14	0.2	83	0	16.8	165	2.5	Y	Increased vac to -0.4 inches
GIW-10	03/05/14	0.1	85.2	0	14.7	163	-0.1	Y	Increased vac to -2.4 inches
GIW-10	03/07/14	0.2	86.9	0	12.9	172	2.1	Y	Increased vac to -0.4 inches
GIW-10	03/10/14	0.4	83	0	16.6	180	-7.2	Y	Decreased vac to -5.4 inches
GIW-10	03/12/14	0.1	80.7	0.2	19	138	-25.5	Y	Decreased vac to -21.1 inches
GIW-10	03/14/14	1.1	83.3	0	15.6	157	-18.4	N	Decreased vac to -16.8 inches (replaced 1" rod seal)
GIW-10	03/17/14	0.7	83.8	0	15.5	155	-20.1	N	Decreased vac to -19.1 inches (replaced 1" rod seal)
GIW-10	03/19/14	0.2	85.3	0	14.5	145	-15.2	Y	Decreased vac to -13.4 inches

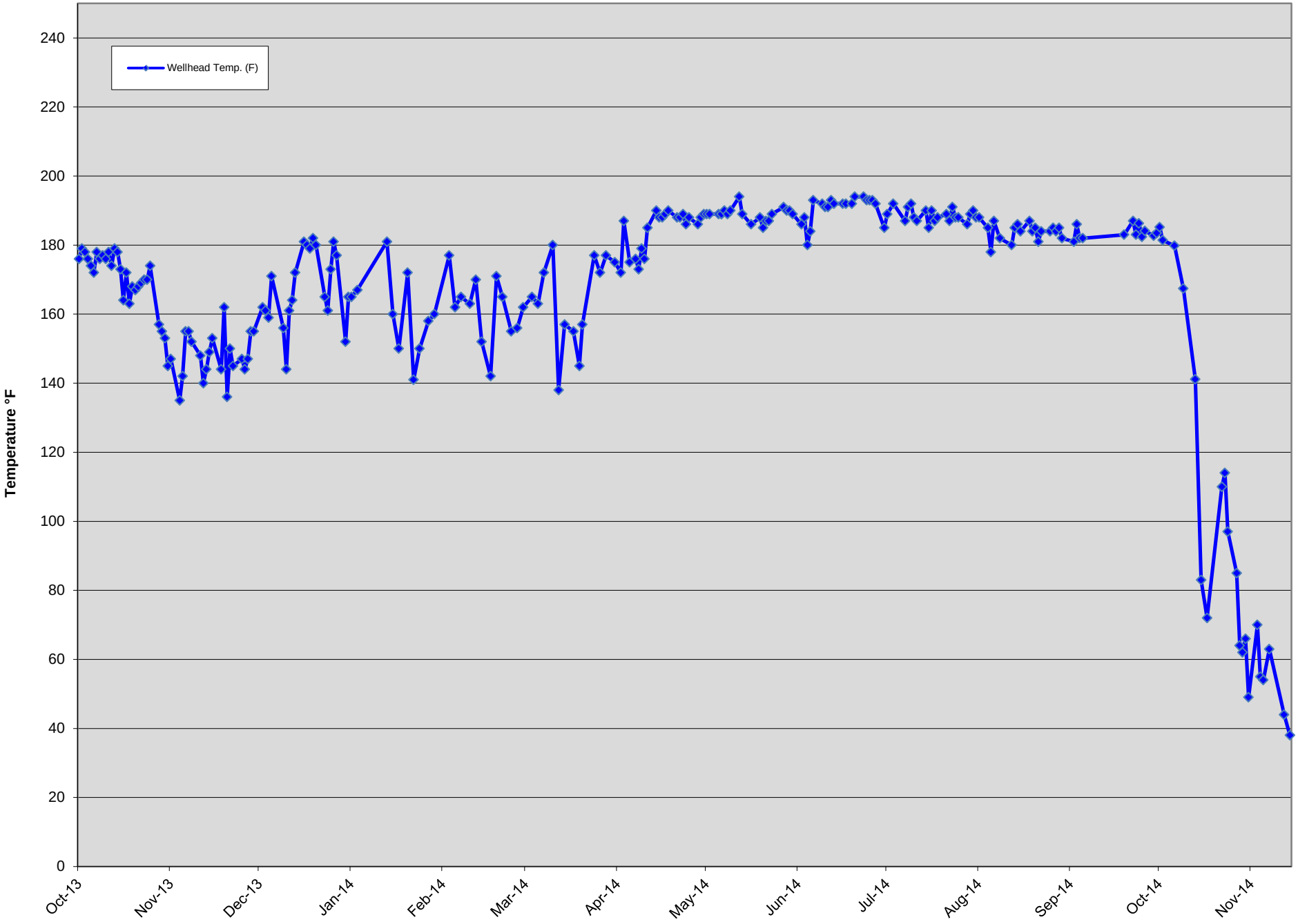
GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-10	03/20/14	0.4	83.6	0	16	157	-9.8	Y	Decreased vac to -7.7 inches
GIW-10	03/24/14	0.3	84.2	0	15.5	177	-1.2	Y	
GIW-10	03/26/14	0.3	82.9	0	16.8	172	-1.6	Y	Increased vac to -2.9 inches
GIW-10	03/28/14	0.3	81	0	18.7	177	4.4	Y	Increased vac to -0.2 inches
GIW-10	03/31/14	0.8	80.5	0	18.7	175	-4.7	Y	
GIW-10	04/02/14	0.2	81.7	0	18.1	172	-10	Y	Decreased vac -9.4 inches
GIW-10	04/03/14	0.3	80.5	0	19.2	187	19.7	Y	Increased vac to -0.4 inches
GIW-10	04/05/14	0.5	83	0.3	16.2	175	-9.9	na	Decreased vac to -9.4 inches
GIW-10	04/07/14	0.3	81.9	0.2	17.6	176	-4.1	Y	
GIW-10	04/08/14	0.5	82.6	0	16.9	173	-6.7	N	Decreased vac to -5.9 inches (replaced fourway valve)
GIW-10	04/09/14	0.4	81.8	0	17.8	179	7.9	Y	Increased vac to -0.8 inches
GIW-10	04/10/14	0.4	79.8	0	19.8	176	-4.6	na	
GIW-10	04/11/14	0.3	81.2	0	18.5	185	13.1	na	Increased vac to -0.8 inches
GIW-10	04/14/14	0.9	80.6	0	18.5	190	52.9	Y	Increased vac to -0.2 inches
GIW-10	04/15/14	0.3	74.2	0.4	25.1	188	-17.8	Y	Decreased vac to -16.0 inches
GIW-10	04/16/14	0.3	74.8	0.2	24.7	188	-17.5	Y	Decreased vac to -16.3 inches
GIW-10	04/17/14	0.2	76.1	0	23.7	189	-12	Y	Decreased vac to -10.7 inches
GIW-10	04/18/14	0.3	74.8	0	24.9	190	-2.9	na	Increased vac to -4.3 inches
GIW-10	04/21/14	0.5	79.8	0	19.7	188	-7.5	Y	
GIW-10	04/22/14	0.3	78.1	0	21.6	188	-6.9	Y	decreased vac to -5.5 inches
GIW-10	04/23/14	0.3	77.6	0	22.1	189	-4.7	Y	
GIW-10	04/24/14	0.3	78.4	0	21.3	186	-6	Y	decreased vac to -5.6 inches
GIW-10	04/25/14	0.4	78.1	0	21.5	188	-4.4	Y	
GIW-10	04/28/14	0.9	79.2	0	19.9	186	-7.5	N	decraesed vac to -7.1 inches (1" rod seal replaced)
GIW-10	04/29/14	0.3	77.5	0	22.2	188	3.6	N	increased vac to -0.2 inches (adjusted 4 way valve)
GIW-10	04/30/14	0.3	77	0	22.7	189	-9	Y	decreased vac to -7.9 inches
GIW-10	05/01/14	0.3	74.5	0	25.2	189	-4	na	
GIW-10	05/02/14	0.3	78.8	0	20.9	189	-4.7	Y	
GIW-10	05/05/14	0.5	79.8	0	19.7	189	-4.4	N	(replaced 1" rod seal)
GIW-10	05/06/14	0.3	76.3	0	23.4	189	-7.3	Y	
GIW-10	05/06/14	0.2	77	0	22.8	189	-6.4	Y	
GIW-10	05/07/14	0.3	76.9	0	22.8	190	-4.6	Y	
GIW-10	05/08/14	0.2	76.5	0	23.3	189	-4.9	Y	
GIW-10	05/09/14	0.3	76.3	0	23.4	190	-8.3	Y	decreased vac to -6.3 inches
GIW-10	05/12/14	0.3	77.3	0	22.4	194	39.2	Y	increased vac to -0.5 inches
GIW-10	05/13/14	0.3	74.1	0	25.6	189	-16.3	Y	decreased vac to -14.6 inches
GIW-10	05/16/14	0.3	77.6	0	22.1	186	-17.6	Y	decreased vac to -16.4 inches (evaluated on the 15th)
GIW-10	05/19/14	0.6	79.6	0	19.8	188	-18.9	Y	decreased vac to -17.2 inches
GIW-10	05/20/14	0.2	78.9	0	20.9	185	-16	na	decreased vac to -15.6 inches
GIW-10	05/21/14	0.4	77.5	0	22.1	187	-14.1	Y	decreased vac to -13.8 inches
GIW-10	05/22/14	0.2	78.2	0	21.6	187	-15.2	Y	increased vac to -13.7 inches
GIW-10	05/23/14	0.6	78.7	0.4	20.3	189	-14.7	na	decreased vac to -4.7 inches
GIW-10	05/27/14	0.2	77.7	0	22.1	191	2.2	na	increased vac to -0.5 inches
GIW-10	05/28/14	0.2	77.8	0	22	190	-3.3	Y	Increased vac to -3.6 inches
GIW-10	05/29/14	0.2	77.4	0	22.4	190	-1.4	Y	Increased vac to -2.7 inches
GIW-10	05/30/14	0.2	80.7	0	19.1	189	-6.4	na	Decreased vac to -6 inches

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-10	06/02/14	0.2	78.9	0	20.9	186	-10.1	Y	Decreased vac to -9.3 inches
GIW-10	06/03/14	0.1	79.2	0	20.7	188	-7.6	Y	Decreased vac to -7.4 inches
GIW-10	06/04/14	0.1	79.5	0	20.4	180	-7.8	N	Decreased vac to -7.4 inches (Need to pull pump and setup and replace leaking lid)
GIW-10	06/05/14	0	79.2	0	20.8	184	-8.1	N	Decreased vac to -7.6 inches (replaced leaking lid, pump operational)
GIW-10	06/06/14	0.2	77.9	0	21.9	193	6.9	Y	Increased vac to -1.2 inches
GIW-10	06/09/14	0.2	80.4	0	19.4	192	8	Y	Increased vac to -1.4 inches
GIW-10	06/10/14	0.3	78.5	0	21.2	191	-2	na	Increased vac to -3.1 inches
GIW-10	06/11/14	0.3	80.3	0	19.4	191	-0.6	Y	Increased vac to -1.3 inches
GIW-10	06/12/14	0.2	76.8	0	23	193	8.9	Y	Increased vac to -0.4 inches
GIW-10	06/13/14	0.1	73.3	0	26.6	192	1	N	Increased vac to -1.3 inches (replaced 1" rod seal, pump operational)
GIW-10	06/16/14	0.2	76.5	0	23.3	192	-6.2	Y	Decreased vac to -5.6
GIW-10	06/17/14	0.1	75.1	0	24.8	192	-4.5	Y	
GIW-10	06/19/14	0.1	72.4	0	27.5	192	-4.1	N	(replaced 1" rod seal, pump operational)
GIW-10	06/20/14	0.2	76.1	0	23.7	194	-4.1	Y	
GIW-10	06/23/14	0.3	74	0	25.7	194	0.1	N	Increased vac to -0.6 (blown 1" rod seal)
GIW-10	06/24/14	0.1	71.5	0	28.4	193	0.5	N	Increased vac to -0.6 (blown 1" rod seal)
GIW-10	06/25/14	0.3	72.8	0	26.9	193	0.4	N	Increased vac to -0.6 (replaced 1" rod seal, pump operational)
GIW-10	06/26/14	0.4	75.1	0	24.5	193	-2	N	Increased vac to -3.8 (replaced 1" rod seal and 1" female gasket, pump operational)
GIW-10	06/27/14	0.7	75.9	0	23.4	192	-4.3	Y	
GIW-10	06/30/14	0.1	77	0	22.9	185	-1.7	NA	
GIW-10	07/01/14	0.2	78.2	0	21.6	189	-4.3	NA	
GIW-10	07/03/14	0.2	76.3	0	23.5	192	-2.9	NA	
GIW-10	07/07/14	0.2	77.7	0	22.1	187	-5.1	Y	
GIW-10	07/08/14	1.3	76.8	0	21.9	191	-1.3	Y	
GIW-10	07/09/14	0.1	76.6	0.2	23.1	192	-0.5	Y	
GIW-10	07/10/14	0.2	77.8	0	22	188	-2.8	N	(replaced 1" rod seal and 1-1/4" female cam, refilled memo and 4-way oil, pump operational)
GIW-10	07/11/14	0.3	78.4	0	21.3	187	-2.1	Y	
GIW-10	07/14/14	0.1	75.5	0	24.4	190	0.3	Y	
GIW-10	07/15/14	0.2	78.7	0	21.1	185	-4.6	Y	
GIW-10	07/16/14	0.2	78.1	0	21.7	190	-2.9	Y	
GIW-10	07/17/14	0.1	79.3	0	20.6	187	-4.1	Y	
GIW-10	07/18/14	0.1	78.6	0	21.3	188	-4.7	Y	
GIW-10	07/21/14	0.2	76.3	0	23.5	189	-2.8	Y	
GIW-10	07/22/14	0.1	76.5	0	23.4	187	-4.8	Y	
GIW-10	07/23/14	0.2	72.1	0	27.7	191	-4.6	Y	
GIW-10	07/24/14	0.1	79.4	0	20.5	188	-4.3	Y	
GIW-10	07/25/14	0.1	76.2	0	23.7	188	-3.5	Y	
GIW-10	07/28/14	0.1	76.8	0	23.1	186	-3.3	Y	
GIW-10	07/29/14	0.2	78.4	0	21.4	189	-3	Y	
GIW-10	07/30/14	0.2	79.6	0	20.2	190	-2.2	Y	
GIW-10	07/31/14	0.1	74.9	0	25	188	-1.7	Y	
GIW-10	08/01/14	0.1	80.8	0	19.1	188	-1.5	Y	
GIW-10	08/04/14	0.1	80.5	0	19.4	185	-0.9	Y	
GIW-10	08/05/14	0.1	79	0	20.9	178	-2.7	Y	
GIW-10	08/06/14	0.1	79.8	0	20.1	187	-1.4	Y	
GIW-10	08/07/14							Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-10	08/08/14	0.2	80	0	19.8	182	-1.8	N	(replaced 1" rod seal, pump operational)
GIW-10	08/11/14							N	(replaced cam setup, pump operational)
GIW-10	08/12/14	0.1	79.8	0	20.1	180	0.2	Y	
GIW-10	08/13/14	0.1	77.9	0	22	185	1.8	Y	
GIW-10	08/14/14	0.1	79	0	20.9	186	2.4	Y	
GIW-10	08/15/14	0.1	78.6	0	21.3	184	1.8	Y	
GIW-10	08/18/14	0.2	77.9	0	21.9	187	2	Y	
GIW-10	08/19/14	0.2	78.6	0	21.2	184	1.6	Y	
GIW-10	08/20/14	0.1	78.1	0	21.8	185	1.2	Y	Increased vac to -4.1
GIW-10	08/21/14	0.1	77.7	0	22.2	181	-1	Y	Increased vac to -3.2
GIW-10	08/22/14	0.1	77.7	0	22.2	184	1.2	Y	Increased vac to -0.5
GIW-10	08/25/14	0.1	78.1	0	21.8	184	6.2	Y	
GIW-10	08/26/14	0.1	78.6	0	21.3	185	6.2	Y	
GIW-10	08/27/14	0.1	77.5	0	22.4	184	7.6	N	(replaced 1" rod seal, pump operational)
GIW-10	08/28/14	0.1	77.3	0	22.6	185	5.8	Y	
GIW-10	08/29/14	0.1	78.9	0	21	182	5.5	Y	
GIW-10	09/01/14							Y	
GIW-10	09/02/14	0.1	78.6	0	21.3	181	5.1	Y	
GIW-10	09/03/14	0.1	79	0	20.9	186	3.1	Y	
GIW-10	09/04/14	0.2	79.8	0	20	182	4.7	Y	
GIW-10	09/05/14	0.1	77.7	0	22.2	182	5.2	Y	
GIW-10	09/08/14							NA	(Not Available due to safe access conditions)
GIW-10	09/09/14							NA	(Not Available due to safe access conditions)
GIW-10	09/10/14							NA	(Not Available due to safe access conditions)
GIW-10	09/11/14							NA	(Not Available due to safe access conditions)
GIW-10	09/12/14							NA	(Not Available due to safe access conditions)
GIW-10	09/15/14							Y	
GIW-10	09/16/14							Y	
GIW-10	09/17/14							Y	
GIW-10	09/18/14							Y	
GIW-10	09/19/14	0.2	78.4	0	21.4	183	3.1	N	(replaced 1" rod seal, pump operational)
GIW-10	09/22/14	0.6	81.2	0	18.2	187	2.1	Y	
GIW-10	09/23/14	0.2	75.6	0	24.2	183	5.8	Y	
GIW-10	09/24/14	0.2	67.5	0.1	32.2	186.3	1.84	Y	
GIW-10	09/25/14	0.9	66.7	0.1	32.3	182.4	-1.3	Y	
GIW-10	09/26/14	3	69.4	0.1	27.5	184.1	-15.63	Y	Decreased vac to -4.88
GIW-10	09/29/14	0.2	73.1	0	26.7	182.7	-10.81	N	Decreased vac to -7.2 (replaced 1" rod seal, pump operational)
GIW-10	09/30/14	0.2	69.1	0	30.7	183.5	-13.19	Y	
GIW-10	10/01/14	0.3	64.3	0.2	35.2	185.2	-15.2	Y	Decreased vac to -8.36
GIW-10	10/02/14	1.1	69.3	0.1	29.5	181.4	-11.78	Y	Decreased vac to -7.45
GIW-10	10/03/14							N	(replaced 1" rod seal, pump operational)
GIW-10	10/06/14	1.4	62.9	0	35.7	179.8	-5.92	N	Decreased vac to -4.95 (1" rod seal needs rplaced)
GIW-10	10/07/14							N	(1" rod seal needs rplaced)
GIW-10	10/08/14							N/A	(Cooling System installed)
GIW-10	10/09/14	5.1	59.8	0	35.1	167.4	-15.55	N/A	Decreased vac to -8.23 (Cooling System installed)
GIW-10	10/10/14							N/A	(Cooling System installed)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-10	10/13/14	0.1	61.8	0	38.1	141.1	-4.66	N/A	(Cooling System installed)
GIW-10	10/14/14							N/A	(Cooling System installed)
GIW-10	10/15/14	0.2	53.4	4.1	42.3	83	-12.6	N/A	(Cooling System installed)
GIW-10	10/16/14							N/A	(Cooling System installed)
GIW-10	10/17/14	0.2	49.7	5.1	45	72	-16.9	N/A	Decreased vac to -15.6 (Cooling System installed)
GIW-10	10/20/14							N/A	(Cooling System installed)
GIW-10	10/21/14							N/A	(Cooling System installed)
GIW-10	10/22/14	0.3	68.1	0	31.6	110	-17	N/A	Decreased vac to -15.3 (Cooling System installed)
GIW-10	10/23/14	0.3	67.9	0.2	31.6	114	-16.9	N/A	Decreased vac to -9.1(Cooling System installed)
GIW-10	10/24/14	0.6	69.6	0	29.8	97	24	N/A	Decreased vac to -3.2 (Cooling System installed)
GIW-10	10/27/14	0.3	66.7	0	33	85	-18.4	N/A	Decreased vac to -16.9 (Cooling System installed)
GIW-10	10/28/14	0.4	65.1	0	34.5	64	1.2	N/A	Increased vac to -8.3 (Cooling System installed)
GIW-10	10/29/14	1.7	61.8	0	36.5	62	-10.5	N/A	Decreased vac to -6.3 inches (Cooling System installed)
GIW-10	10/30/14	1.1	63.8	0	35.1	66	-4.1	N/A	(Cooling System installed)
GIW-10	10/31/14	0.4	66.7	0	32.9	49	-4.4	N/A	(Cooling System installed)
GIW-10	11/03/14	0.3	68.5	0.2	31	70	-9.3	N/A	Decreased vac to -4.3 (Cooling System Installed)
GIW-10	11/04/14	0.2	70.1	0.1	29.6	55	-3.5	N/A	(Cooling System installed)
GIW-10	11/05/14	0.4	64.9	0	34.7	54	-4.2	N/A	(Cooling System installed)
GIW-10	11/06/14							N/A	(Cooling System installed)
GIW-10	11/07/14	0.3	65.3	0.1	34.3	63	-4.1	N/A	(Cooling System installed)
GIW-10	11/10/14							N/A	(Cooling System installed)
GIW-10	11/11/14							N/A	(Cooling System installed)
GIW-10	11/12/14	0.3	67.9	0	31.8	44	3.9	N/A	Increased vac to -0.1 (Cooling System Installed)
GIW-10	11/13/14							N/A	(Cooling System installed)
GIW-10	11/14/14	0.7	65.3	0.6	33.4	38	-12.4	N/A	Decreased vac to -9.4 (Cooling System Installed)

GIW-10 Wellhead Temperatures



GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-11	04/08/13	15.1	73.4	0	11.5	120	-0.2	N	
GIW-11	04/09/13	21.6	69	1.3	8.1	130	-0.3	Y	
GIW-11	04/10/13	14	71.8	0.2	14	120	0.7	Y	
GIW-11	04/11/13	18.7	73.8	0.1	7.4	130	-1.5	Y	
GIW-11	04/12/13	14.9	71.4	0.2	13.5	40	-0.1	Y	
GIW-11	04/13/13	14.7	72.6	0.3	12.4	120	-0.2	Y	
GIW-11	04/14/13	15	71.1	0.2	13.7	120	0.1	Y	
GIW-11	04/15/13	16.2	72	0.2	11.6	130	-0.2	Y	
GIW-11	04/16/13	16.8	72.3	0.3	10.6	120	-0.8	Y	
GIW-11	04/17/13	18.4	69.9	0.3	11.4	130	-2.4	Y	
GIW-11	04/18/13	17.4	72.5	0.3	9.8	130	-0.6	Y	
GIW-11	04/19/13	15.8	69.7	0.4	14.1	120	-2.1	Y	
GIW-11	04/20/13	16.6	66.5	0.3	16.6	130	-2.7	Y	
GIW-11	04/21/13	16.2	63.6	0.6	19.6	130	-2.6	Y	
GIW-11	04/22/13	16.8	69.3	0.2	13.7	130	-1.9	Y	
GIW-11	04/23/13	16.7	67.3	0.4	15.6	130	-3.2	Y	
GIW-11	04/24/13	14.4	62.4	0	23.2	130	-4.8	Y	
GIW-11	04/25/13	14.7	61.4	0	23.9	130	-4.2	Y	
GIW-11	04/26/13	14.9	65.2	0.3	19.6	135	-3.5	Y	
GIW-11	04/27/13	16.8	65.2	0.6	17.4	128	-5.8	Y	
GIW-11	04/28/13	16.3	70.2	0.4	13.1	138	-4.1	Y	
GIW-11	04/29/13	16	68.2	0.2	15.6	135	-3.9	Y	
GIW-11	04/30/13	14.6	66.2	0.7	18.5	135	-4	Y	
GIW-11	05/01/13	15.7	69.3	0.1	14.9	130	-4	Y	
GIW-11	05/02/13	15.9	65.5	0.7	17.9	125	-4.9	Y	
GIW-11	05/03/13	14.1	65.7	0.7	19.5	138	-4.9	Y	
GIW-11	05/04/13	13	68.6	0.2	18.2	122	-4	Y	
GIW-11	05/05/13	13.3	67.8	0	18.9	125	-4	Y	Begin using fluke temp meter
GIW-11	05/06/13	12.9	63.6	0	23.5	130	-4	Y	
GIW-11	05/07/13	12.8	61.9	0.8	24.5	133	-4.2	Y	
GIW-11	05/08/13	10.5	53.7	1.6	34.2	136	-4.8	Y	
GIW-11	05/09/13	12	60.5	0.9	26.6	133	-3.4	Y	
GIW-11	05/10/13	14.4	57.3	1.5	26.8	132	-4.8	Y	
GIW-11	05/11/13	11.2	55.6	1.7	31.5	133	-5.5	Y	
GIW-11	05/12/13	12.1	58.1	1.4	28.4	131	-4	Y	
GIW-11	05/13/13	11.7	57.2	1.2	29.9	136	-4	Y	
GIW-11	05/14/13	13.4	63.1	0.1	23.4	133	-3.4	Y	
GIW-11	05/15/13	15	55.8	1.6	27.6	133	-4	Y	Installed check valve
GIW-11	05/16/13	11.9	56.4	1.3	30.4	135	-4.1	Y	
GIW-11	05/17/13	17.1	57.5	1.3	24.1	134	-3.9	Y	
GIW-11	05/18/13	13.1	59.7	0.9	26.3	132	-3.3	Y	
GIW-11	05/19/13	15.2	67.1	0.1	17.6	130	-2.6	Y	
GIW-11	05/20/13	20.4	62.2	0.7	16.7	134	-3.8	Y	
GIW-11	05/21/13	14.6	61.2	0.9	23.3	135	-4.3	Y	
GIW-11	05/22/13	16.3	60.6	0.8	22.3	135	-3.9	Y	
GIW-11	05/23/13	11.9	56.6	1.5	30	130	-4.6	Y	
GIW-11	05/24/13	12.9	58.4	1	27.7	135	-4	Y	
GIW-11	05/25/13	13.6	61.1	0.9	24.4	135	-3.5	Y	
GIW-11	05/26/13	13.4	62.7	0.6	23.3	136	-3.3	Y	
GIW-11	05/27/13	15.1	67	0.4	17.5	137	-3	Y	
GIW-11	05/28/13	17.6	68	0.5	13.9	136	-2.1	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-11	05/29/13	14.7	66.3	0.3	18.7	137	-3.1	Y	Vacuum low, working on header
GIW-11	05/30/13	13.4	69.4	0.5	16.7	135	-3.2	Y	
GIW-11	05/31/13	12.5	66.3	0.2	21	136	-3	Y	
GIW-11	06/01/13	14	63.7	0.5	21.8	134	-3.2	Y	
GIW-11	06/02/13	15.3	64.6	0.6	19.5	135	-3	Y	
GIW-11	06/03/13	14.3	65	0.4	20.3	135	-3.1	Y	
GIW-11	06/04/13	14.2	69.6	0.3	15.9	136	-0.9	N	Replaced 1-inch rod seal - pump operating
GIW-11	06/05/13	15.3	70.1	0.4	14.2	135	-2	Y	Working on available vac issue
GIW-11	06/06/13	16	66.5	0.9	16.6	135	-2	Y	Working on available vac issue
GIW-11	06/07/13	14.9	61.4	0.7	23	134	-1.9	Y	Working on available vac issue
GIW-11	06/08/13	13.1	66.6	0.1	20.2	137	-1	Y	Sag main header, jumper installed late 6-8
GIW-11	06/09/13	13.9	62.6	0.7	22.8	142	-2.5	Y	Vacuum restored
GIW-11	06/10/13	14.4	62.3	1.7	21.6	140	-3.6	Y	
GIW-11	06/11/13	16	63.5	0.5	20	141	-4.5	Y	
GIW-11	06/12/13	18.7	63	0.1	18.2	140	-4.8	Y	
GIW-11	06/13/13	15.5	62.5	0.5	21.5	140	-5.2	Y	
GIW-11	06/14/13	15.2	62.1	0.6	22.1	137	-4	Y	
GIW-11	06/15/13	14.1	59.8	1.3	24.8	139	-4.1	Y	
GIW-11	06/16/13	15.8	68.8	0.1	15.3	137	-2.1	Y	
GIW-11	06/17/13	17.7	63.6	0.5	18.2	139	-4.7	Y	
GIW-11	06/18/13	15.5	64	0.6	19.9	139	-4.2	Y	
GIW-11	06/19/13	16.9	63.1	1.6	18.4	140	-4	Y	
GIW-11	06/20/13	14.1	69.6	1.1	15.2	138	-4.1	Y	
GIW-11	06/21/13	16.5	63.5	0.9	19.1	140	-4	Y	
GIW-11	06/22/13	18.1	61.2	1	19.7	141	-4.7	Y	
GIW-11	06/23/13	17.3	55.1	2.3	25.3	139	-4.5	Y	
GIW-11	06/24/13	19.2	60.3	1.7	18.8	139	-3.9	Y	
GIW-11	06/25/13	17.9	61.1	1.3	19.7	138	-4.1	Y	
GIW-11	06/26/13	19.4	61.3	1.3	18	138	-3.8	Y	
GIW-11	06/27/13	19.4	55	1.6	24	139	-5.4	Y	
GIW-11	06/28/13	21.1	62.9	0.7	15.3	140	-4	Y	
GIW-11	06/29/13	19.3	57.8	1	21.9	139	-4.6	Y	
GIW-11	06/30/13	17.9	64	0.3	17.8	139	-3.9	Y	
GIW-11	07/01/13	17.6	60.4	0.9	21.1	141	-3.9	Y	
GIW-11	07/02/13	19.2	58.5	0.8	21.5	140	-4.5	Y	
GIW-11	07/03/13	22.4	61.8	0.3	15.5	139	-4.1	Y	
GIW-11	07/04/13	25.6	56.7	0.9	16.8	141	-4.2	Y	
GIW-11	07/05/13	25.6	59.9	0.4	14.1	141	-4	Y	
GIW-11	07/06/13	26.7	60	0	13.3	140	-4.1	Y	
GIW-11	07/07/13	29.7	56.7	0	13.6	139	-4	Y	
GIW-11	07/08/13	28.1	58	0.6	13.3	140	-4.1	Y	
GIW-11	07/09/13	29	54.5	0.8	15.7	138	-3.9	Y	
GIW-11	07/10/13	27.6	54	1.3	17.1	138	-4.1	Y	
GIW-11	07/11/13	27.9	54	1.1	17	140	-4	Y	
GIW-11	07/12/13	24.2	54.5	1.6	19.7	139	-4	Y	
GIW-11	07/13/13	31.9	54.9	0	13.2	140	-4.1	Y	
GIW-11	07/14/13	28	57.1	0	14.9	137	-4.1	Y	
GIW-11	07/15/13	26.7	60	0.2	13.1	143	-4.2	Y	
GIW-11	07/17/13	28	60.2	0	11.8	145	-4	Y	Collected 13 minutes after midnight
GIW-11	07/17/13	29	59.1	0.3	11.6	143	-2.8	Y	
GIW-11	07/18/13	22.2	56.9	1.6	19.3	144	-2.9	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-11	07/19/13	22.9	58.1	1.2	17.8	143	-3.2	Y	
GIW-11	07/20/13	24.1	59.4	0.7	15.8	144	-2.8	Y	
GIW-11	07/21/13	26.7	57.9	0.5	14.9	140	-3.3	Y	
GIW-11	07/22/13	26.9	57.9	0.6	14.6	146	-3	Y	
GIW-11	07/23/13	25.8	57.4	0.3	16.5	145	-3	Y	
GIW-11	07/24/13	26.3	58	0.7	15	143	-4.4	Y	
GIW-11	07/25/13	26.8	58.9	0.7	13.6	148	-3.4	Y	
GIW-11	07/26/13	28.1	58.2	0.8	12.9	145	-2.8	Y	
GIW-11	07/27/13	27	57.6	0.2	15.2	146	-2.4	Y	
GIW-11	07/28/13	27.4	58.7	0.3	13.6	146	-2.2	Y	
GIW-11	07/29/13	28.2	56.7	0	15.1	147	-2.3	Y	
GIW-11	07/30/13	26.9	57.6	0	15.5	145	-2.9	Y	
GIW-11	07/31/13	28.3	56.6	0.3	14.8	145	-2.2	Y	
GIW-11	08/01/13	29.3	57.2	0	13.5	145	-2.1	Y	
GIW-11	08/02/13	26.8	58.5	0.1	14.6	145	-2.5	N	Air regulator cleaned - pump operational
GIW-11	08/03/13	28.1	57.5	0.3	14.1	146	-2.5	Y	
GIW-11	08/04/13	27.6	59.2	0.1	13.1	143	-2.3	Y	
GIW-11	08/05/13	26.6	59.3	0.3	13.8	147	-1.8	Y	
GIW-11	08/06/13	24.7	60.2	0.1	15	149	-1.9	Y	
GIW-11	08/07/13	25	58.2	0	16.8	148	-3	Y	
GIW-11	08/08/13	26.1	56.6	0.4	16.9	150	-3.4	Y	
GIW-11	08/09/13	25.9	59.3	0.4	14.4	150	-3.3	Y	
GIW-11	08/10/13	27.1	56.6	0.6	15.7	148	-3.6	Y	
GIW-11	08/11/13	25.5	56.9	0.6	17	149	-3.7	Y	
GIW-11	08/12/13	26.1	57.6	0.6	15.7	151	-3.2	Y	
GIW-11	08/13/13	26.6	56.6	0.5	16.3	149	-3	Y	
GIW-11	08/14/13	25.7	54.4	0.3	19.6	152	-3.7	Y	
GIW-11	08/15/13	26.4	57.1	0.1	16.4	151	-3.7	Y	
GIW-11	08/16/13	26.4	57.8	0	15.8	149	-3.6	Y	
GIW-11	08/17/13	26.7	57.6	0	15.7	151	-3.6	Y	
GIW-11	08/18/13	27.7	58.5	0.1	13.7	151	-3.7	Y	
GIW-11	08/19/13	26	56.3	0.5	17.2	151	-3.6	Y	
GIW-11	08/20/13	26.8	59.3	0	13.9	151	-3.6	Y	
GIW-11	08/21/13	27.5	58.5	0	14	153	-3	Y	
GIW-11	08/22/13	29.3	60.4	0	10.3	154	-3	Y	
GIW-11	08/23/13	27.1	58.8	0	14.1	153	-3	Y	
GIW-11	08/24/13	26	61.3	0.2	12.5	153	-2.4	Y	
GIW-11	08/25/13	25.8	60.1	0.1	14	156	-3.1	Y	
GIW-11	08/26/13	25.4	62.8	0	11.8	153	-3.2	Y	
GIW-11	08/27/13	29.2	61.6	0	9.2	152	-3.5	N	Replaced manifold - pump operational
GIW-11	08/28/13	24.9	59.9	0	15.2	154	-2.5	N	Cleared air line - pump operational
GIW-11	08/29/13	24.9	63.9	0	11.2	155	-3.1	Y	
GIW-11	08/30/13	23.7	62.2	0	14.1	157	-2.5	Y	
GIW-11	08/31/13	24.5	58.7	0.2	16.6	156	-3.7	Y	
GIW-11	09/01/13	23.7	59	0	16.2	154	-3.4	Y	
GIW-11	09/02/13	23.3	63.4	0.1	13.2	153	-3.8	Y	
GIW-11	09/03/13	32	62.6	0	5.4	157	-3.2	N	Replaced 4 way valve - pump operational
GIW-11	09/04/13	22.1	62.2	0	15.7	156	-2.7	Y	
GIW-11	09/05/13	22.4	65	0	12.6	155	-3.6	Y	
GIW-11	09/06/13	19.6	68.1	0	12.3	157	-2.4	Y	
GIW-11	09/07/13	21.8	67.3	0	10.9	157	-3.2	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-11	09/08/13	20.7	66.2	0	13.1	157	-2.9	Y	
GIW-11	09/09/13	19.3	68.2	0	12.5	157	-2.6	Y	
GIW-11	09/10/13	20.3	68.6	0.3	10.8	152	-2.9	Y	
GIW-11	09/11/13	20.2	69.1	0	10.7	157	-3.1	Y	
GIW-11	09/12/13	20.5	68	0	11.5	156	-3.1	Y	
GIW-11	09/13/13	19	69	0	12	157	-2.3	Y	
GIW-11	09/14/13	22.8	67.8	0.4	9	156	-3.5	Y	
GIW-11	09/15/13	18.7	70.1	0	11.2	154	-3	Y	
GIW-11	09/16/13	18.2	65.5	0	16.3	158	-2.3	Y	
GIW-11	09/17/13	17.2	65.8	0	17	158	-2.3	Y	
GIW-11	09/18/13	15.9	67.3	0	16.8	160	-1.8	Y	
GIW-11	09/19/13	16.2	67.9	0	15.9	160	-1.7	Y	
GIW-11	09/20/13	16	73.8	0	10.2	161	-2.2	Y	
GIW-11	09/21/13	14.9	67.7	0	17.4	161	-2.1	Y	
GIW-11	09/22/13	15.6	71.6	0	12.8	161	-2	Y	
GIW-11	09/23/13	18.1	69.7	0	12.2	159	-2	Y	
GIW-11	09/25/13	14.7	60.9	3	21.4	158	-3.7	Y	
GIW-11	09/26/13	11.5	60.2	3.5	24.8	158	-2.4	N	Replaced pump set up-pump operatonal
GIW-11	09/27/13	7.3	65.7	1.2	25.8	162	-1.2	Y	
GIW-11	09/28/13	1.3	45.5	4.5	48.7	155	-1.9	Y	Adjusted vac reduced O2 to 0%
GIW-11	09/29/13	5.1	64.7	1.3	28.9	163	-0.7	Y	
GIW-11	09/30/13	4.4	69.6	0	26	167	0.2	Y	Adjustments to vac were made.
GIW-11	10/01/13	4.8	69.8	0	25.4	162	-0.9	Y	
GIW-11	10/02/13	4.7	70.8	0	24.5	167	-0.1	Y	
GIW-11	10/03/13	5.4	63.5	2.9	28.2	162	-1.5	Y	
GIW-11	10/04/13	4.7	69.1	0	26.2	165	-0.2	Y	
GIW-11	10/05/13	5.4	74.3	0	20.3	164	-0.6	Y	
GIW-11	10/06/13	4.8	63.2	3.6	28.4	158	-1.3	Y	Adjusted vac reduced O2 to 0.9%
GIW-11	10/07/13	4.3	73.5	0	22.2	165	0	Y	Adjusted vac to obtain negative pressure
GIW-11	10/08/13	4.1	75.7	0	20.2	167	0.6	Y	Adjusted vac to obtain negative pressure
GIW-11	10/09/13	5	70.7	1.2	23.1	165	-1.1	Y	
GIW-11	10/10/13	5.8	74.3	0	19.9	165	-1.3	Y	
GIW-11	10/11/13	5.2	62.9	3.3	28.6	163	-1.4	Y	
GIW-11	10/12/13	4.2	64.7	2.8	28.3	162	-1.7	Y	
GIW-11	10/13/13	4.4	74.8	0	20.8	155	-0.2	Y	
GIW-11	10/14/13	4.8	70	0	25.2	166	-0.1	Y	
GIW-11	10/15/13	4.8	65.1	1.5	28.6	162	-0.8	Y	
GIW-11	10/16/13	4.2	70.1	0	25.7	164	-0.1	Y	
GIW-11	10/17/13	4.4	69.6	0	26	164	-0.6	Y	
GIW-11	10/18/13	4	71.4	0	24.6	165	-0.1	Y	
GIW-11	10/19/13	4.6	70.8	1.1	23.5	164	-1.2	Y	
GIW-11	10/20/13	4.4	67.4	0.9	27.3	165	-1	Y	
GIW-11	10/21/13	3.9	59.5	4.5	32.1	161	-2	Y	
GIW-11	10/22/13	4.7	81.7	0	13.6	165	-0.6	Y	
GIW-11	10/23/13	4.3	75.1	1.5	19.1	162	-1	Y	
GIW-11	10/24/13	4.3	63.9	2.3	29.5	160	-1.2	Y	
GIW-11	10/25/13	4.2	60.2	3	32.6	161	-1	Y	
GIW-11	10/28/13	4.3	69.2	0	26.5	163	-0.5	N	Replace air box - pump operational
GIW-11	10/29/13	4.1	70.1	0.1	25.7	164	-0.7	Y	
GIW-11	10/30/13	3.7	71	0	25.3	165	-0.5	N	Repalced air box - pump operational
GIW-11	10/31/13	3.8	65.6	2	28.6	161	-1.2	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-11	11/01/13	3.6	63.4	2.6	30.4	159	-1.2	Y	
GIW-11	11/04/13	3.8	70.5	0	25.7	165	-0.8	Y	
GIW-11	11/05/13	6.3	70.8	0.1	22.8	162	-1	Y	
GIW-11	11/06/13	3.7	68.1	1	27.2	163	-0.9	Y	
GIW-11	11/07/13	3.8	70.3	0	25.9	165	-0.8	Y	
GIW-11	11/08/13	3.7	72.4	0	23.9	165	-0.8	Y	
GIW-11	11/11/13	3.5	69.1	0.4	27	164	-0.8	Y	
GIW-11	11/12/13	3.1	68.7	2.1	26.1	162	-0.8	N	Fiberglass rod broke, will be replaced
GIW-11	11/13/13	3.4	70.6	1	25	163	-0.7	N	Fiberglass rod broke, will be replaced
GIW-11	11/14/13	3.1	75.5	0	21.4	165	-0.7	N	Fiberglass rod broke, will be replaced
GIW-11	11/15/13	3.3	71.9	0	24.8	166	-0.7	N	Fiberglass rod broke, will be replaced
GIW-11	11/18/13	3.7	68.7	1.8	25.8	165	-1.1	N	Fiberglass rod broke, will be replaced
GIW-11	11/19/13	3.7	73.9	0	22.4	166	-0.7	N	Fiberglass rod broke, will be replaced
GIW-11	11/20/13	3.3	70	0	26.7	165	-0.8	N	Fiberglass rod broke, will be replaced
GIW-11	11/21/13	3.2	74.3	0.1	22.4	166	-0.7	N	Fiberglass rod broke, will be replaced
GIW-11	11/22/13	3.2	75.7	0	21.1	166	-0.8	N	Fiberglass rod broke, will be replaced
GIW-11	11/25/13	2.8	76.2	0.5	20.5	166	-1.6	N	Fiberglass rod broke, will be replaced
GIW-11	11/26/13	3.2	72.8	0.1	23.9	167	-1.4	N	Replaced fiberglass rod-pump operational
GIW-11	11/27/13	4.1	73.9	0	22	166	-1.4	Y	
GIW-11	11/28/13	3.7	68.2	0	28.1	172	-1.4	Y	
GIW-11	11/29/13	3.4	69.8	1.8	25	168	-1.7	Y	
GIW-11	12/02/13	3.2	62.3	2.1	32.4	169	-2.2	Y	
GIW-11	12/03/13	5.1	69	0	25.9	172	-0.9	Y	
GIW-11	12/04/13	4.5	68.1	0.2	27.2	170	-1.5	Y	
GIW-11	12/05/13	5.2	58.9	3	32.9	165	-2.5	N	Replaced 1" rod seal- pump operational
GIW-11	12/09/13	2.5	69.3	0	28.2	173	-0.7	Y	
GIW-11	12/10/13	3.4	69.6	0	27	170	-0.5	Y	
GIW-11	12/11/13	3.3	69	0	27.7	173	-0.6	Y	
GIW-11	12/12/13	3.5	67.8	0	28.7	176	-0.5	Y	
GIW-11	12/13/13	3.5	69.2	0	27.3	173	-1	Y	
GIW-11	12/16/13	5	52.7	4.8	37.5	167	-2.3	Y	
GIW-11	12/17/13	5.3	69.3	0	25.4	175	-0.2	Y	Increased vac to -0.7
GIW-11	12/18/13	3.8	59.3	2.1	34.8	174	-0.9	Y	Decreased vac to -0.5
GIW-11	12/19/13	3.5	67.6	0	28.9	174	-0.4	Y	Increased vac to -0.6
GIW-11	12/20/13	3.9	65.8	0	30.3	174	-0.6	Y	Increased vac to -0.9
GIW-11	12/23/13	3.3	65.1	0	31.6	180	-0.3	Y	Increased vac to -0.7
GIW-11	12/24/13	2.7	69	0	28.3	179	-0.9	Y	Increased vac to -1.2
GIW-11	12/25/13	2.7	75.1	0	22.2	176	-0.8	Y	
GIW-11	12/26/13	2.8	67.9	0	29.3	176	-0.8	Y	Increased vac to -1.2 inches
GIW-11	12/27/13	2.7	67.4	0	29.9	176	-0.3	Y	Increased vac to -0.5 inches
GIW-11	12/30/13	2.9	64.3	1.5	31.3	175	-3.8	Y	
GIW-11	12/31/13	2.7	59.5	2.9	34.9	172	-4.2	N	Reduced vac to -3.0 inches (replaced rod - pump operational)
GIW-11	01/01/14	2.8	66.1	0.9	30.2	173	-2.5	NA	
GIW-11	01/03/14	2.5	70	0	27.5	178	-1.7	Y	Increased vac to -1.9 inches
GIW-11	01/13/14	1.9	73.1	0	25	176	-2	N	Replaced 1" rod seal - pump operational
GIW-11	01/15/14	1.6	64.8	2.8	30.8	176	-2.5	Y	Decreased vac to -1.9 inches (pump eval on 16th)
GIW-11	01/17/14	1.6	72.2	0	26.2	176	-2.1	Y	
GIW-11	01/20/14	1.1	73.8	0	25.1	177	-0.1	Y	Increased vac to -0.3 inches
GIW-11	01/22/14	1.8	72.8	0	25.4	176	-3	Y	
GIW-11	01/24/14	1.6	70.5	0	27.9	177	-2.2	Y	
GIW-11	01/27/14	1.7	73.7	0	24.6	176	-2.8	N	Replaced 1" rod seal - pump operational

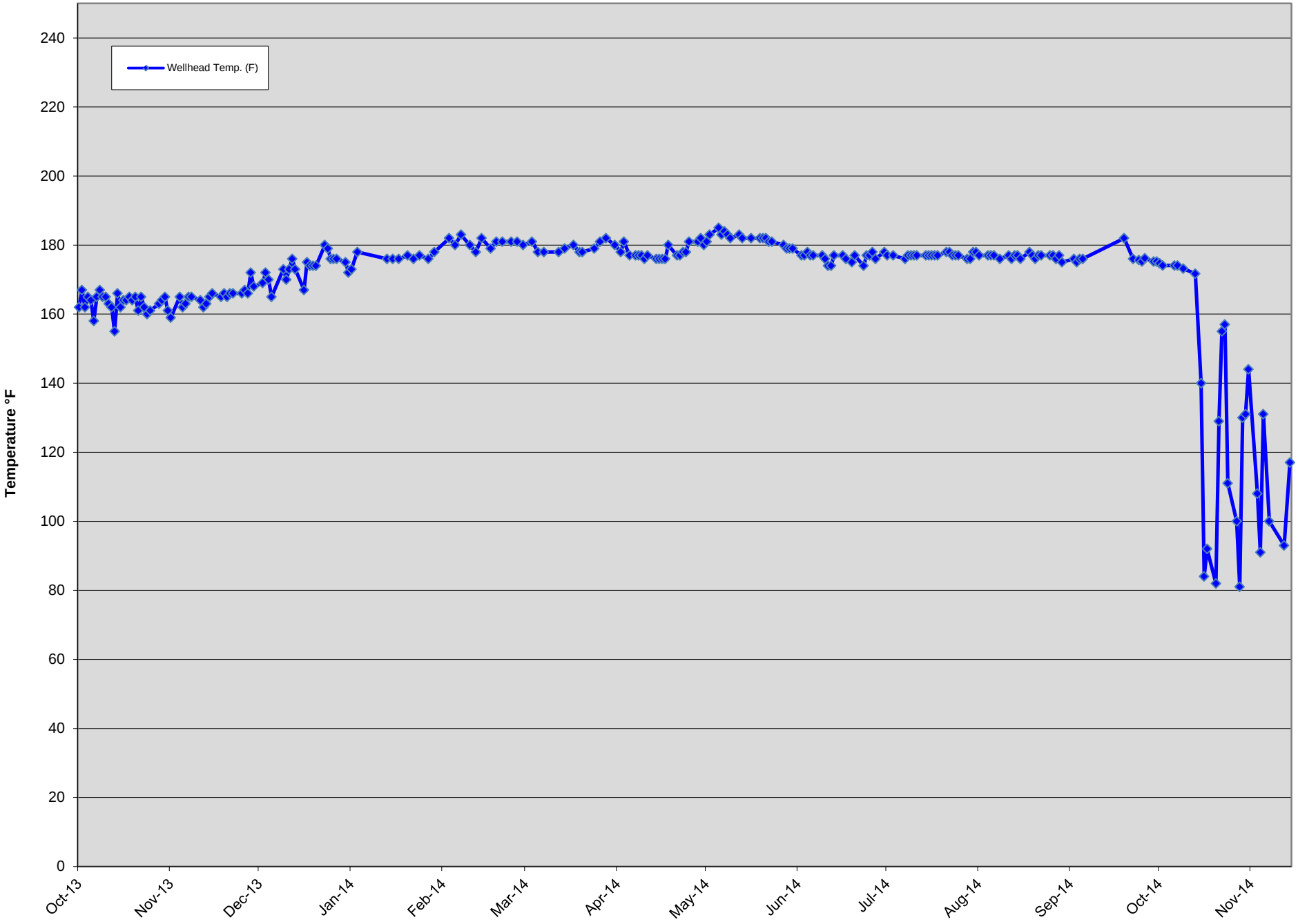
GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-11	01/29/14	1.3	69.5	0	29.2	178	-1.3	Y	
GIW-11	02/03/14	2.7	69.7	0	27.6	182	-1.3	Y	Increased vac to -1.4 inches
GIW-11	02/05/14	4	69.4	0	26.6	180	-3.7	Y	
GIW-11	02/07/14	3.5	69.9	0	26.6	183	2	Y	Increased vac to -1.5 inches
GIW-11	02/10/14	4.1	69.4	0.1	26.4	180	-6.3	Y	Reduced vac to -4.1 inches
GIW-11	02/12/14	3.6	70.1	0	26.3	178	-5.1	N	Need's air dryer replaced
GIW-11	02/14/14	3.8	69.1	0	27.1	182	-2.4	N	Increased vac to -2.6 inches (replaced pump)
GIW-11	02/17/14	3.7	71.1	0	25.2	179	-4.5	Y	
GIW-11	02/19/14	3.7	69	0	27.3	181	-2.2	Y	Increased vac to -2.4 inches
GIW-11	02/21/14	3.6	66.8	0	29.6	181	-2.1	Y	Increased vac to -2.4 inches
GIW-11	02/24/14	4.4	68.8	0	26.8	181	-4.8	N	Needs new pump
GIW-11	02/26/14	4.2	68	0	27.8	181	-5.9	N	Decreased vac to -5.8 inches (needs new pump)
GIW-11	02/28/14	1.2	69.7	0	29.1	180	-4.1	N	replaced valve
GIW-11	03/03/14	1.2	73.2	0	25.6	181	-4	Y	
GIW-11	03/05/14	1.2	74.6	0	24.2	178	-4.9	Y	
GIW-11	03/07/14	1.3	73.2	0.3	25.2	178	-7.2	Y	Decreased vac to -6.5 inches
GIW-11	03/12/14	1.3	70.5	0.1	28.1	178	-16.4	Y	
GIW-11	03/14/14	1.2	73.2	0	25.6	179	-12.9	N	Decreased vac to -12.4 inches (pump needs pulled)
GIW-11	03/17/14	1.1	72.9	0.4	25.6	180	-18	N	Decreased vac to -17.6 inches (fiberglass rod off)
GIW-11	03/19/14	1.1	72.6	0.5	25.8	178	-13.3	N	Decreased vac to -13.0 inches (fiberglass rod off)
GIW-11	03/20/14	1.3	68.8	1.3	28.6	178	-13.5	N	Decreased vac to -13.2 inches (fiberglass rod off pump)
GIW-11	03/24/14	0.9	71.8	0	27.3	179	-18.3	N	Decreased vac to -4.1 inches (fiberglass rod off)
GIW-11	03/26/14	0.5	75.1	0	24.4	181	-0.8	N	Increased vac to -1.1 inches (rod came off pump)
GIW-11	03/28/14	0.6	71.6	0	27.8	182	2.9	N	Increased vac to -0.6 inches (rod came off pump)
GIW-11	03/31/14	0.9	72.3	0	26.8	180	-3.9	N	(rod off pump)
GIW-11	04/02/14	0.7	71.6	0	27.7	178	-6.4	N	Decreased vac to -5.3 inches (rod off pump)
GIW-11	04/03/14	0.8	71.6	0	27.6	181	-4.5	N	(rod off pump)
GIW-11	04/05/14	1.6	70.4	0	28	177	-3.7	na	
GIW-11	04/07/14	1.7	68.3	0	30	177	-3.8	N	fiberglass rod off pump
GIW-11	04/08/14	1.6	69.7	0	28.7	177	-5.1	N	fiberglass rod off pump
GIW-11	04/09/14	1.8	65.9	0.5	31.8	177	-5.9	N	Decreased vac to -5.4 inches (rod off pump)
GIW-11	04/10/14	1.9	66.4	0.1	31.6	176	-6.3	na	Decreased vac to -6.1 inches
GIW-11	04/11/14	1.9	65.6	0.7	31.8	177	-6.3	na	Decreased vac to -5.8 inches
GIW-11	04/14/14	2.1	62.7	1.8	33.4	176	-5.9	N	Decreased vac to -5.4 inches (rod off pump)
GIW-11	04/15/14	2.1	58.4	2.8	36.7	176	-5.8	N	Decreased vac to -5.0 inches (rod off pump)
GIW-11	04/16/14	2.6	57.8	2.8	36.8	176	-4.9	N	(rod off pump)
GIW-11	04/17/14	2.2	56.9	2.8	38.1	176	-4.8	N	Decreased vac to -3.3 inches (rod off pump)
GIW-11	04/18/14	1.9	58	2	38.1	180	-5.4	na	Decreased vac to -4.7 inches
GIW-11	04/21/14	1.9	58.6	2.3	37.2	177	-3.7	N	(liquids below pump)
GIW-11	04/22/14	1.7	57.4	2.9	38	177	-5.9	N	decreased vac to -3.8 inches (liquids below pump)
GIW-11	04/23/14	1.8	57.3	2.5	38.4	178	-3.2	N	decreased vac to -3.0 inches (liquids below pump)
GIW-11	04/24/14	1.9	61.8	1	35.3	178	-2.3	N	decreased vac to -1.8 inches (liquids lower than pump)
GIW-11	04/25/14	1.9	66.4	0	31.7	181	-1.3	N	increased vac to -1.4 inches (liquid below pump)
GIW-11	04/28/14	1.9	66.4	0.1	31.6	181	-1.7	N	increased vac to -1.8 inches (liquid below pump)
GIW-11	04/29/14	1.5	66.3	0	32.2	182	-0.6	N	increased vac to -0.7 inches (liquid below pump)
GIW-11	04/30/14	2	57.1	2.6	38.3	180	-4.2	N	decreased vac to -3.5 inches (liquid below pump)
GIW-11	05/01/14	2	58.4	1.7	37.9	181	-3	na	decreased vac to -2.5 inches
GIW-11	05/02/14	1.7	66.3	0	32	183	-0.9	N	increased vac to -1.1 inches (liquid below pump)
GIW-11	05/05/14	1.7	67.7	0	30.6	185	1.8	N	increased vac to -0.3 inches (liquids below pump)
GIW-11	05/06/14	1.2	65.8	0	33	183	-1.3	N	increased vac to -1.5 inches (lower elevation of pump)
GIW-11	05/07/14	1.6	66.4	0	32	184	-1.5	Y	increased vac to -1.9 inches

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-11	05/08/14	1.6	66.8	0	31.6	183	-1.9	Y	increased vac to -2.7 inches
GIW-11	05/09/14	1.5	63.8	0.8	33.9	182	-3.5	Y	decreased vac to -3.0 inches
GIW-11	05/12/14	1.6	67.3	0	31.1	183	-2.2	N	increased vac to -2.5 inches (replaced air nipple)
GIW-11	05/13/14	1.3	68.5	0	30.2	182	-2.3	Y	increased vac to -2.5 inches
GIW-11	05/16/14	1.1	69	0	29.9	182	-1.5	N	increased vac to -1.8 inches (pump needs pulled for maintenance, evaluation completed on the 15th)
GIW-11	05/19/14	1.1	69.7	0	29.2	182	-2	N	increased vac to -2.4 inches (either hole in hd piping or bad footvalve)
GIW-11	05/20/14	0.9	69.5	0	29.6	182	-1.3	na	increased vac to -1.6 inches
GIW-11	05/21/14	0.8	68.7	0	30.5	182	-1.6	N	increased vac to -1.8 inches (bad footvalve)
GIW-11	05/22/14	1.1	68.3	0	30.6	181	-2.4	N	increased vac to -2.8 inches (bad footvalve)
GIW-11	05/23/14	2	70	0.1	27.9	181	-2.9	na	
GIW-11	05/27/14	0.8	68	0	31.2	180	-1.3	na	Increased vac to -1.5 inches
GIW-11	05/28/14	1.2	69.2	0	29.6	179	-2.5	Y	Increased vac to -3 inches (bad footvalve)
GIW-11	05/29/14	1.3	66.8	0.4	31.5	179	-4	Y	(bad footvalve)
GIW-11	05/30/14	1.1	67.8	0	31.1	179	-2.8	na	Increased vac to -3.4 inches
GIW-11	06/02/14	1.3	64.5	1	33.2	177	-5.5	N	Decreased vac to -5.3 inches (bad footvalve, blown 1" rod seal)
GIW-11	06/03/14	1.3	66.6	0.5	31.6	177	-3.8	N	(bad footvalve, blown 1" rod seal)
GIW-11	06/04/14	1.3	68.4	0	30.3	178	-3.1	N	Increased vac to -3.2 inches (bad footvalve, blown 1" rod seal)
GIW-11	06/05/14	1.2	66.5	0.2	32.1	177	-4.3	N	(replaced 1" rod seal, bad footvalve)
GIW-11	06/06/14	1.3	66.2	0	32.5	177	-4.1	Y	(footvalve needs replaced)
GIW-11	06/09/14	1.1	67	0	31.9	177	-4.1	Y	(footvalve needs replaced)
GIW-11	06/10/14	1.3	66.7	0.6	31.4	176	-4.8	na	
GIW-11	06/11/14	1.7	58.5	2.1	37.7	174	-6.6	N	reased vac to -6.1 inches (replaced 1" rod seal and replaced the footvalve, pump operational and moving liq
GIW-11	06/12/14	2.1	55.7	2.5	39.7	174	-6.2	Y	Decreased vac to -5.3 inches
GIW-11	06/13/14	1	68.1	0	30.9	177	-1.5	N	Increased vac to -1.8 inches (replaced 1" rod seal, pump operational)
GIW-11	06/16/14	1.5	67.1	0.2	31.2	177	-4.1	N	(replaced 1" rod seal, pump operational)
GIW-11	06/17/14	1.3	67.6	0	31.1	176	-1.7	Y	Increased vac to -2.1
GIW-11	06/19/14	1.3	64.1	1	33.6	175	-5.3	Y	Decreased vac to -3.7
GIW-11	06/20/14	1.4	66.4	0	32.2	177	-2.7	Y	Increased vac to -2.8
GIW-11	06/23/14	2.6	51.3	3.2	42.9	174	-6.3	N	Decreased vac to -5.4 (blown 1" rod seal)
GIW-11	06/24/14	0.9	67.7	0	31.4	177	-1.6	N	Increased vac to -1.7 (replaced 4-way valve, pump operational)
GIW-11	06/25/14	1.2	66.1	0	32.7	177	-0.6	N	Increased vac to -0.7 (replaced 1" rod seal, pump operational)
GIW-11	06/26/14	1.1	65.5	0	33.4	178	-1.3	N	Increased vac to -1.7 (replaced 1" rod seal and 1" female gasket, pump operational)
GIW-11	06/27/14	2.3	61	0.6	36.1	176	-4.2	Y	
GIW-11	06/30/14	1	66.7	0	32.3	178	-0.8	NA	Increased vac to -0.9
GIW-11	07/01/14	1	64.6	0	34.4	177	-2.1	NA	Increased vac to -2.4
GIW-11	07/03/14	1.2	65.8	0	33	177	-4.3	NA	
GIW-11	07/07/14	1.3	63.7	0.6	34.4	176	-4.3	Y	
GIW-11	07/08/14	2.8	65.3	0.3	31.6	177	-4.2	N	(blown 1" rod seal)
GIW-11	07/09/14	1.2	60.8	1.5	36.5	177	-3.4	N	(blown 1" rod seal)
GIW-11	07/10/14	1.4	61.3	1.1	36.2	177	-4.1	N	(replaced 1" rod seal and 1/4"x3" air nipple, refilled memo and 4-way oil, pump operational)
GIW-11	07/11/14	1.5	62.7	0	35.8	177	-4.9	Y	
GIW-11	07/14/14	1.2	64	0	34.8	177	-2.7	N	Increased vac to -3 (cylinder cap needs replaced)
GIW-11	07/15/14	1.4	61.8	1.3	35.5	177	-5.8	N	Decreased vac to -5.4 (replaced cylinder head, pump operational)
GIW-11	07/16/14	1.4	61.4	1	36.2	177	-4.6	Y	
GIW-11	07/17/14	1.3	61	1.5	36.2	177	-5	Y	
GIW-11	07/18/14	1.2	58.7	2.3	37.8	177	-4.6	Y	Decreased vac to -4.4
GIW-11	07/21/14	1.2	63.5	0	35.3	178	-4	Y	
GIW-11	07/22/14	1.3	61.7	0.8	36.2	178	-4.1	Y	
GIW-11	07/23/14	1.3	62	0.9	35.8	177	-4.7	Y	
GIW-11	07/24/14	1.3	62.8	0.6	35.3	177	-4.4	Y	
GIW-11	07/25/14	1.3	63.5	0.5	34.7	177	-4.2	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-11	07/28/14	1.3	62.2	1.4	35.1	176	-5	Y	
GIW-11	07/29/14	1.3	64	0.5	34.2	176	-4.2	N	(replaced 4-way valve, pump operational)
GIW-11	07/30/14	1.3	65	0.3	33.4	178	-4	Y	
GIW-11	07/31/14	1.3	65.7	0	33	178	-4.4	Y	
GIW-11	08/01/14	1.3	64.5	0.4	33.8	177	-4.2	Y	
GIW-11	08/04/14	1.3	63.5	0	35.2	177	-4.2	Y	
GIW-11	08/05/14	1.3	61.6	1	36.1	177	-5	Y	
GIW-11	08/06/14	1.3	63	0.8	34.9	177	-4.4	Y	
GIW-11	08/07/14							Y	
GIW-11	08/08/14	1.4	63.1	0.9	34.6	176	-4.9	Y	
GIW-11	08/11/14	1.4	63.1	0.5	35	177	-4.1	N	(replaced 1" rod seal, pump operational)
GIW-11	08/12/14	1.4	64	0.5	34.1	176	-4.3	Y	
GIW-11	08/13/14	1.4	64.1	0.2	34.3	177	-4.2	Y	
GIW-11	08/14/14	1.3	64.8	0.3	33.6	177	-4.5	Y	
GIW-11	08/15/14	1.4	64.7	0.1	33.8	176	-4.3	Y	
GIW-11	08/18/14	1.5	64.8	0.1	33.6	178	-4.2	Y	
GIW-11	08/19/14	2.3	65	0	32.7	177	-4.2	Y	
GIW-11	08/20/14	1.6	64	0	34.4	176	-4.6	Y	
GIW-11	08/21/14	1.6	63.4	0.5	34.5	177	-4.3	Y	
GIW-11	08/22/14	1.4	64.1	0.3	34.2	177	-4	Y	
GIW-11	08/25/14	1.5	63.8	0	34.7	177	-3.9	N	
GIW-11	08/26/14	1.4	63.2	0.6	34.8	177	-4.3	Y	(replaced 1" rod seal, pump operational)
GIW-11	08/27/14	1.4	61.9	0.7	36	176	-4.3	Y	
GIW-11	08/28/14	1.4	61.6	0.8	36.2	177	-4.7	Y	
GIW-11	08/29/14	1.4	63.7	0.4	34.5	175	-4.1	Y	
GIW-11	09/01/14							N	(1" rod seal needs to be replaced)
GIW-11	09/02/14	1.3	64.1	0.8	33.8	176	-4.9	N	(1" rod seal needs to be replaced)
GIW-11	09/03/14	1.4	61.7	0.8	36.1	175	-4.6	N	(1" rod seal needs to be replaced)
GIW-11	09/04/14	1.5	62.2	0.6	35.7	176	-5	N	(1" rod seal needs to be replaced)
GIW-11	09/05/14	1.4	62.7	0.6	35.3	176	-4.9	N	(replaced 1" rod seal, pump operational)
GIW-11	09/08/14							NA	(Not Available due to safe access conditions)
GIW-11	09/09/14							NA	(Not Available due to safe access conditions)
GIW-11	09/10/14							NA	(Not Available due to safe access conditions)
GIW-11	09/11/14							NA	(Not Available due to safe access conditions)
GIW-11	09/12/14							NA	(Not Available due to safe access conditions)
GIW-11	09/15/14							N	(replaced 1" rod seal, pump operational)
GIW-11	09/16/14							Y	
GIW-11	09/17/14							Y	
GIW-11	09/18/14							Y	
GIW-11	09/19/14	1.2	58.6	2.6	37.6	182	-6.3	N	Decreased vac to -4.5 (replaced 1/4" x 3" air nipple, pump operational)
GIW-11	09/22/14	1.9	65.9	0.5	31.7	176	-4	Y	
GIW-11	09/23/14							N	
GIW-11	09/24/14	1.5	70.2	0	28.3	175.7	-6.46	Y	Decreased vac to -4.37
GIW-11	09/25/14	4.2	60.5	0	35.3	175.2	-4.95	Y	
GIW-11	09/26/14	0.8	59	0.1	40.1	176.2	-4.02	Y	
GIW-11	09/29/14	2.6	54.2	2.2	41	175.2	-6.35	N	Decreased vac to -5.86 (replaced 1" rod seal, pump operational)
GIW-11	09/30/14	1.6	57.2	1.9	39.3	175.2	-5.86	Y	Decreased vac to -5.62
GIW-11	10/01/14	2.4	56.4	1.5	39.7	174.7	-4.55	N	(replaced 1" rod seal, pump operational)
GIW-11	10/02/14	3.5	56.8	1.4	38.3	174.1	-4.72	Y	
GIW-11	10/03/14							Y	
GIW-11	10/06/14	6	52.6	1.7	39.7	174.1	-4.95	Y	Decreased vac to -4.88

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-11	10/07/14	2.1	53.6	2.1	42.2	174.1	-5.07	N	(1" rod seal needs replaced)
GIW-11	10/08/14							N	(1" rod seal needs replaced)
GIW-11	10/09/14	1.8	50.3	2	45.9	173.2	-4.96	N	(1" rod seal needs replaced)
GIW-11	10/10/14							N	(1" rod seal needs replaced)
GIW-11	10/13/14	3.2	59.8	0	37	171.7	-3.98	Y	
GIW-11	10/14/14							N	(1" rod seal needs replaced)
GIW-11	10/15/14	1.5	67.6	0	30.9	140	-11.4	N	Decreased vac to -5.8 (1" rod seal needs replaced)
GIW-11	10/16/14	1.8	43.1	9.2	45.9	84	-17.4	N	Decreased vac to -16.3 (1" rod seal needs replaced)
GIW-11	10/17/14	2.7	59.2	4.4	33.7	92	-17.7	N	Decreased vac to -14.5 (1" rod seal needs replaced)
GIW-11	10/20/14	3.1	67.2	2.3	27.4	82	-14.3	N	Decreased vac to -8.8 (1" rod seal needs replaced)
GIW-11	10/21/14	2.8	65.5	0	31.7	129	-1.5	N	Increased vac to -2.4 (1" rod seal needs replaced)
GIW-11	10/22/14	1.3	66.9	0	31.8	155	-4.1	N	(1" rod seal needs replaced)
GIW-11	10/23/14	1.2	64.5	0	34.3	157	10.7	N	Increased vac to -3.1 (replaced 1" rod seal & 3/8 fiberglass rod, pupm's operational)
GIW-11	10/24/14	3.7	73.6	0	22.7	111	-6.7	Y	
GIW-11	10/27/14	3.7	72.8	0.2	23.3	100	-4.9	N	(Replaced 1" rod seal - pump operational)
GIW-11	10/28/14	3.8	71.6	1.5	23.1	81	-5	Y	
GIW-11	10/29/14	2.4	66.8	0.1	30.7	130	-19.6	Y	Decreased vac to -19
GIW-11	10/30/14	3.1	70.6	0	26.3	131	-17	Y	Decreased vac to -16.3
GIW-11	10/31/14	2.1	67.1	0	30.8	144	-13.3	Y	Decreased vac to -9.9
GIW-11	11/03/14	4.1	72.7	0.4	22.8	108	-15.8	Y	Decreased vac to -7.4
GIW-11	11/04/14	2.6	74.9	0.4	22.1	91	-17	Y	Decreased vac to -7.6
GIW-11	11/05/14	1.7	66.2	0	32.1	131	14.7	Y	Increased vac to -4.3
GIW-11	11/06/14							Y	
GIW-11	11/07/14	3.1	67.2	0	29.7	100	-4.9	N	(Replaced female cam gasket and 1" rod seal, pump operational)
GIW-11	11/10/14							Y	
GIW-11	11/11/14							Y	
GIW-11	11/12/14	2.1	70.7	0	27.2	93	14.5	Y	Increased vac to -0.4
GIW-11	11/13/14							Y	
GIW-11	11/14/14	2.4	69.6	0.2	27.8	117	-14.6	N	Decreased vac to -7.1 (Replaced female cam and 1" rod seal, pump operational)

GIW-11 Wellhead Temperatures



GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-12	04/08/13	7.4	68.4	0.9	23.3	80	-0.5	N	
GIW-12	04/09/13	6.5	66.2	0	27.3	80	-0.4	Y	
GIW-12	04/10/13	6.6	65	0.8	27.6	85	-0.1	Y	
GIW-12	04/11/13	3.4	40.1	8.9	47.6	50	-0.6	Y	
GIW-12	04/12/13	5.3	59.5	2.4	32.8	40	-0.6	Y	
GIW-12	04/13/13	4.8	59.1	2.3	33.8	52	-0.5	Y	
GIW-12	04/14/13	5.2	59.5	1.9	33.4	72	-0.5	Y	
GIW-12	04/15/13	3.7	39.5	8.4	48.4	68	-0.3	Y	
GIW-12	04/16/13	6.1	62.4	0.9	30.6	44	-1.1	Y	
GIW-12	04/17/13	7.3	62.4	0.9	29.4	60	-0.9	Y	
GIW-12	04/18/13	6.3	69.6	0.5	23.6	60	-0.7	Y	
GIW-12	04/19/13	5.9	62.9	1.7	29.5	40	-1.3	Y	
GIW-12	04/20/13	7	61.7	0.3	31	52	-1.6	Y	
GIW-12	04/21/13	7.9	59.7	0.6	31.8	52	-1.4	Y	
GIW-12	04/22/13	8	63.6	0.3	28.1	68	-1.1	Y	
GIW-12	04/23/13	7.6	61.7	0.9	29.8	58	-1.5	Y	
GIW-12	04/24/13	8.4	62.4	0.1	29.1	100	-3.1	Y	
GIW-12	04/25/13	14.9	46.4	0.6	38.1	120	-4.3	Y	
GIW-12	04/26/13	13.9	50.7	0.6	34.8	136	-4	Y	
GIW-12	04/27/13	14.4	44.1	3	38.5	130	-5	Y	
GIW-12	04/28/13	10.8	46.7	4.9	37.6	110	-5	Y	
GIW-12	04/29/13	11.7	42.7	4.8	40.8	125	-5.1	Y	
GIW-12	04/30/13	7.3	34.6	6.6	51.5	120	-3.1	Y	
GIW-12	05/01/13	7.4	34	6.2	52.4	128	-3.7	Y	
GIW-12	05/02/13	9	32.1	8.6	50.3	120	-4.8	Y	
GIW-12	05/03/13	7.9	33.5	8.6	50	95	-5	Y	
GIW-12	05/04/13	4.3	26.2	11.8	57.7	115	-3.3	Y	
GIW-12	05/05/13	5	68	0.2	26.8	95	-1.5	Y	Begin using fluke temp meter
GIW-12	05/06/13	5	61.3	1.9	31.8	60	-2	Y	
GIW-12	05/07/13	5.5	66.4	0.2	27.9	68	-1.4	Y	
GIW-12	05/08/13	4.9	63.7	0.6	30.8	72	-1.5	Y	
GIW-12	05/09/13	5.4	66.9	0.7	27	73	-0.5	Y	
GIW-12	05/10/13	5.7	67.5	0.3	26.5	69	-0.8	Y	
GIW-12	05/11/13	6.4	68.1	0.5	25	73	-0.8	Y	
GIW-12	05/12/13	6.4	68.1	0.5	25	61	-0.5	Y	
GIW-12	05/13/13	10.2	60.1	2.4	27.3	77	-0.7	Y	Pulled pump and replaced seals
GIW-12	05/14/13	5.8	68.8	0	25.4	95	-0.5	Y	
GIW-12	05/15/13	5.9	68.8	0	25.3	115	-0.5	Y	Installed check valve
GIW-12	05/16/13	6	67.9	0.2	25.9	115	-0.5	Y	
GIW-12	05/17/13	4.9	65.3	0.9	28.9	118	-1.1	Y	
GIW-12	05/18/13	5.9	67	0.4	26.7	117	-1.3	Y	
GIW-12	05/19/13	6.9	61.3	2	29.8	121	-1.5	Y	
GIW-12	05/20/13	11.5	67.5	0.6	20.4	122	-1.5	Y	
GIW-12	05/21/13	6.9	59.5	1.7	31.9	128	-1.8	Y	
GIW-12	05/22/13	5.4	61.8	1.6	31.2	110	-1.9	Y	
GIW-12	05/23/13	5.4	64.3	0.3	30	115	-1.9	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-12	05/24/13	5.6	66	0.7	27.7	117	-2	Y	
GIW-12	05/25/13	5.1	66.9	0.3	27.7	124	-1.6	Y	
GIW-12	05/26/13	6.3	68.1	0.8	24.8	129	-2.2	Y	
GIW-12	05/27/13	5	64.8	0.2	30	128	-1.8	Y	
GIW-12	05/28/13	6.6	66.6	0.3	26.5	122	-1.4	Y	
GIW-12	05/29/13	5	65.9	1.4	27.7	128	-1.9	Y	
GIW-12	05/30/13	5.6	64.1	0.6	29.7	130	-1.9	Y	
GIW-12	05/31/13	4.5	64.1	1.4	30	118	-1.8	Y	
GIW-12	06/01/13	4.7	66.5	0.3	28.5	0	-1.6	Y	6-1 Temp error - data removed
GIW-12	06/02/13	8.1	70.5	0.2	21.2	72	-1.2	Y	
GIW-12	06/03/13	6.8	68.3	0	24.9	86	-1.4	Y	Working on available vac issue
GIW-12	06/04/13	6.3	69.8	0.3	23.6	96	-0.8	N	Replaced 1-inch rod seal - pump operating
GIW-12	06/05/13	7.2	69	0.6	23.2	99	-1.1	Y	Working on available vac issue
GIW-12	06/06/13	5.4	68.7	0.7	25.2	101	-1.9	Y	Working on available vac issue
GIW-12	06/07/13	4.8	53.4	0.7	41.1	100	-1.3	Y	Working on available vac issue
GIW-12	06/08/13	5.8	66.3	0	27.9	103	-0.7	Y	Sag main header, jumper installed late 6-8
GIW-12	06/09/13	5.5	63.9	0.9	29.7	105	-1.3	Y	Vacuum restored
GIW-12	06/10/13	5.3	61.5	1.9	31.3	104	-2.3	Y	
GIW-12	06/11/13	4.7	64.8	1.6	28.9	105	-2	Y	
GIW-12	06/12/13	5.4	64.5	0.8	29.3	107	-2.1	N	Replaced 1-inch rod seal - pump operating
GIW-12	06/13/13	7.4	69.6	0.1	22.9	106	-2	Y	
GIW-12	06/14/13	6.5	68.6	0.3	24.6	105	-2.5	Y	Replaced air box
GIW-12	06/15/13	5.8	66	0.7	27.5	107	-2.3	Y	
GIW-12	06/16/13	5.9	67	0	27.1	108	-1.5	Y	
GIW-12	06/17/13	4.6	66.3	0.3	28.8	107	-2.6	Y	
GIW-12	06/18/13	4.4	67	0.3	28.3	110	-2.6	Y	
GIW-12	06/19/13	5.7	66.2	0.6	27.5	110	-2.5	Y	
GIW-12	06/20/13	3.6	74.2	0.5	21.7	112	-2.6	Y	Damaged pump seal, replaced pump
GIW-12	06/21/13	4.4	67.7	0.2	27.7	110	-2.7	Y	
GIW-12	06/22/13	3.8	67	0.5	28.7	108	-2.9	Y	
GIW-12	06/23/13	4.6	66.3	0.1	29	112	-3	Y	
GIW-12	06/24/13	5.4	70.9	0.1	23.6	113	-2.8	Y	
GIW-12	06/25/13	4.7	70.2	0	25.1	112	-3	Y	
GIW-12	06/26/13	4.8	68.3	0.7	26.2	110	-3.2	Y	
GIW-12	06/27/13	7.7	59.5	1.6	31.2	114	-3.1	Y	
GIW-12	06/28/13	5.2	68.1	0.5	26.2	114	-3	Y	
GIW-12	06/29/13	4.7	65.5	0.4	29.4	114	-2.9	Y	
GIW-12	06/30/13	4.3	68.3	0.4	27	113	-2.9	Y	
GIW-12	07/01/13	4.4	67.4	0.5	27.7	115	-2.8	Y	
GIW-12	07/02/13	5.1	67	0.7	27.2	114	-3	Y	
GIW-12	07/03/13	5.5	69	0.2	25.3	116	-2.9	Y	
GIW-12	07/04/13	7.9	61.1	1.9	29.1	118	-3.1	Y	
GIW-12	07/05/13	5.3	67.7	0.5	26.5	118	-2.6	Y	
GIW-12	07/06/13	4.7	69.1	0	26.2	119	-2.7	Y	
GIW-12	07/07/13	3.3	60	1.2	35.5	114	-2.7	Y	
GIW-12	07/08/13	5.1	69.8	0.5	24.6	112	-2.5	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-12	07/09/13	4.4	66.9	0.5	28.2	115	-2.7	Y	
GIW-12	07/10/13	4.2	68.3	0.7	26.8	112	-2.4	Y	
GIW-12	07/11/13	4.5	65.6	0.4	29.5	110	-2.6	Y	
GIW-12	07/12/13	4	68.5	0.4	27.1	110	-2.9	Y	
GIW-12	07/13/13	9	60.9	0.8	29.3	120	-4	Y	
GIW-12	07/14/13	14	63.1	0.8	22.1	116	-4.1	Y	
GIW-12	07/15/13	4.5	69.3	0	26.2	112	-4.2	Y	
GIW-12	07/17/13	14	44.3	6.3	35.4	149	-1.5	Y	Coll. 20 mins after midnight
GIW-12	07/17/13	6.3	72	0.2	21.5	146	-0.1	Y	
GIW-12	07/18/13	11.9	60.4	1.9	25.8	146	-0.5	Y	
GIW-12	07/19/13	5.5	68.3	0.4	25.8	140	-0.4	Y	
GIW-12	07/20/13	11.5	61.2	1.5	25.8	142	-0.6	Y	
GIW-12	07/21/13	5.5	68.2	0	26.3	145	-0.7	Y	
GIW-12	07/22/13	14.2	45.4	6.5	33.9	147	-2.1	Y	
GIW-12	07/23/13	8.1	61.3	1.5	29.1	146	-0.7	Y	
GIW-12	07/24/13	7.2	62.1	1.6	29.1	143	-0.9	N	Replaced 1" rod seal - pump operational
GIW-12	07/25/13	5.5	68.2	0.4	25.9	146	-0.1	Y	
GIW-12	07/26/13	5.7	62.3	2.2	29.8	144	-0.1	Y	
GIW-12	07/27/13	9.1	60.6	1.8	28.5	142	-0.8	Y	
GIW-12	07/28/13	6.7	65.5	0.2	27.6	143	-0.7	Y	
GIW-12	07/29/13	9.5	67.7	0.9	21.9	141	-0.6	Y	
GIW-12	07/30/13	14.9	50.6	4	30.5	142	-1.9	Y	adjustment made,reduced O2 to 0.5%
GIW-12	07/31/13	14.7	48.9	4.7	31.7	140	-1.2	Y	adjustment made,reduced O2 to 1.8%
GIW-12	08/01/13	10.4	69.1	0	20.5	145	-0.1	Y	
GIW-12	08/02/13	8	65.2	1.2	25.6	140	-0.2	Y	
GIW-12	08/03/13	7.9	63.8	1.5	26.8	140	-0.6	Y	
GIW-12	08/04/13	6.7	73	0	20.3	141	-0.5	Y	
GIW-12	08/05/13	8.4	64.1	1.7	25.8	146	-1.1	Y	
GIW-12	08/06/13	8.6	63.2	1.6	26.6	149	-0.8	Y	
GIW-12	08/07/13	6.9	69.7	0	23.4	147	-1.3	Y	
GIW-12	08/08/13	8.2	62.9	1.3	27.6	142	-0.7	Y	
GIW-12	08/09/13	8.3	67.9	0.3	23.5	151	-0.5	Y	
GIW-12	08/10/13	7.4	64.5	1.2	26.9	150	-1	Y	
GIW-12	08/11/13	6.3	66.9	0.5	26.3	147	-0.9	Y	
GIW-12	08/12/13	9	68.3	0.6	22.1	147	-0.4	Y	
GIW-12	08/13/13	13.4	48.2	6	32.4	144	-1	Y	adjustment made,reduced O2 to 1.8%
GIW-12	08/14/13	10.6	65.9	0.1	23.4	142	-0.5	Y	
GIW-12	08/15/13	11.9	55.3	3.9	28.9	148	-1.5	Y	adjustment made,reduced O2 to 1.8%
GIW-12	08/16/13	7.6	68.9	0.5	23	150	-2.1	Y	
GIW-12	08/17/13	14.1	46.6	4.3	33	144	-2.7	Y	adjustment made,reduced O2 to 1.7%
GIW-12	08/18/13	13.2	66.9	1	18.9	143	-0.5	Y	
GIW-12	08/19/13	8.1	64.6	1.8	25.4	146	-1.1	Y	
GIW-12	08/20/13	8.5	68	0	23.5	145	-0.2	Y	
GIW-12	08/21/13	11.4	65.2	1.5	21.9	143	-0.4	Y	
GIW-12	08/22/13	10.2	69.1	0	20.7	149	-0.2	Y	
GIW-12	08/23/13	7.1	64.5	1.8	26.6	143	-1	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-12	08/24/13	4.4	71	0	24.6	141	-0.3	Y	
GIW-12	08/25/13	7.8	71.7	0.2	20.3	147	-0.5	Y	
GIW-12	08/26/13	9.1	65.1	1.8	24	147	-0.6	Y	
GIW-12	08/27/13	14.1	64.3	1.9	19.7	147	-0.5	Y	
GIW-12	08/28/13	5.7	70.4	0	23.9	144	-0.1	Y	
GIW-12	08/29/13	9	64.5	1.7	24.8	145	-1.1	Y	
GIW-12	08/30/13	5.8	72.4	0	21.8	150	-0.2	Y	
GIW-12	08/31/13	8.4	61.9	1.8	27.9	146	-1.2	Y	
GIW-12	09/01/13	5.1	62	0.3	27.1	142	-0.7	N	Replaced pump - pump operational
GIW-12	09/02/13	5.7	65.4	1.8	27.1	141	-1.4	Y	
GIW-12	09/03/13	10.7	71.4	0	17.9	150	-0.5	Y	
GIW-12	09/04/13	5.1	73.8	0	21.1	146	-1	Y	
GIW-12	09/05/13	6	63.3	2.3	28.4	143	-0.5	Y	
GIW-12	09/06/13	6.1	80.9	0	13	144	-0.2	N	Replaced 4 way valve- pump operational
GIW-12	09/07/13	6.2	67.9	1.8	24.1	140	-0.5	Y	
GIW-12	09/08/13	6.9	79.5	0	13.6	141	-0.4	Y	
GIW-12	09/09/13	7.9	67.1	1.7	23.3	144	-1.2	N	Replaced 4 way valve- pump operational
GIW-12	09/10/13	4.7	79.6	0.1	15.6	141	-0.1	Y	
GIW-12	09/11/13	4.9	80.8	0	14.3	138	0	N	Replaced 4 way manifold-pump operational
GIW-12	09/12/13	6.4	66.9	2.5	24.2	149	-1.5	Y	Adjusted vac, reduced O2 to 1.4%
GIW-12	09/13/13	4.2	77.4	0	18.4	141	0	Y	
GIW-12	09/14/13	8.5	70.2	1.6	19.7	146	-0.8	Y	
GIW-12	09/15/13	3.5	79.6	0	16.9	143	-0.6	N	Replaced 4 way valve-pump operational
GIW-12	09/16/13	11.3	56.3	4	28.4	141	-0.5	Y	
GIW-12	09/17/13	7	66	1.5	25.5	148	-1.1	Y	
GIW-12	09/18/13	10.9	61.7	2.5	24.9	148	-0.3	Y	
GIW-12	09/19/13	12.4	63.5	2.2	21.9	145	-0.2	Y	Replaced 4 way valve- pump operational
GIW-12	09/20/13	9.7	80.7	0	9.6	145	0	Y	
GIW-12	09/21/13	8.3	74.2	0	17.5	150	-0.1	Y	
GIW-12	09/22/13	10.5	72.8	1.4	15.3	147	-0.1	Y	
GIW-12	09/23/13	14.3	66.2	3.1	16.4	140	-0.3	Y	Adjusted vac reduced O2 to 1.9%
GIW-12	09/25/13	5.3	83.9	0	10.8	141	-0.5	Y	
GIW-12	09/26/13	8.3	77.1	0.6	14	145	-0.2	N	Replaced pump set up-pump operatonal
GIW-12	09/27/13	5.1	69.2	0	25.7	152	-0.1	Y	
GIW-12	09/28/13	9.3	66.8	1.1	22.8	143	-0.8	Y	
GIW-12	09/29/13	8	73	0	19	152	-0.2	Y	
GIW-12	09/30/13	8.1	73.1	0	18.8	146	-0.1	Y	
GIW-12	10/01/13	9.9	72.3	0.3	17.5	146	-1.1	Y	
GIW-12	10/02/13	9.2	73.2	0	17.6	153	-0.1	Y	
GIW-12	10/03/13	11.2	70.2	1.8	16.8	146	-1.8	Y	
GIW-12	10/04/13	9.7	73.2	0	17.1	151	-0.1	N	Replaced 4 way valve - pump operational
GIW-12	10/05/13	11.3	78.6	0	10.1	148	-0.3	N	Replaced 4 way valve - pump operational
GIW-12	10/06/13	10.2	73.4	1.6	14.8	145	-1.9	Y	
GIW-12	10/07/13	11.6	74.9	1.2	12.3	143	-1.6	Y	
GIW-12	10/08/13	12.3	81.8	0	5.9	143	-1.2	Y	
GIW-12	10/09/13	11.5	77	1	10.5	147	-1	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-12	10/10/13	12.3	70.1	2.4	15.2	145	-2.9	Y	
GIW-12	10/11/13	10.3	73.8	1.4	14.5	146	-1.5	Y	
GIW-12	10/12/13	10.8	68	3.3	17.9	141	-1	Y	
GIW-12	10/13/13	9.6	79.3	0.5	10.6	135	-0.3	Y	
GIW-12	10/14/13	10.1	77.1	0	12.8	139	-0.1	Y	
GIW-12	10/15/13	11	65.8	3.1	20.1	137	-0.8	Y	
GIW-12	10/16/13	5.7	70.8	0	23.5	138	0.1	Y	
GIW-12	10/17/13	10.4	72.9	1	15.7	147	-1.4	Y	
GIW-12	10/18/13	6.7	72	0	21.3	136	-0.5	Y	
GIW-12	10/19/13	7.7	82.4	0	9.9	137	-1	Y	
GIW-12	10/20/13	9	78	0	13	147	-0.2	Y	
GIW-12	10/21/13	8.9	76.3	1.6	13.2	142	-1.2	N	Replaced 4 way valve - pump operational
GIW-12	10/22/13	7.2	90.5	0	2.3	140	-0.9	Y	
GIW-12	10/23/13	6.6	89.4	0	4	144	-0.9	Y	
GIW-12	10/24/13	6.9	77.2	0	15.9	134	-0.8	Y	
GIW-12	10/25/13	7.7	77.7	0	14.6	138	-1	N	New air box - pump operational
GIW-12	10/28/13	6.1	75.3	0	18.6	144	-0.9	Y	
GIW-12	10/29/13	5.8	76.3	0	17.9	144	-1	Y	
GIW-12	10/30/13	11.4	73.5	1.1	14	154	-2.8	Y	
GIW-12	10/31/13	12.5	67.9	2.5	17.1	145	-3.1	Y	
GIW-12	11/01/13	11.6	71.7	1.8	14.9	142	-2.1	Y	
GIW-12	11/04/13	11.5	69.2	2	17.3	142	-1.5	Y	
GIW-12	11/05/13	14	70.3	2.1	13.6	142	-1	Y	
GIW-12	11/06/13	9.8	77.8	0	12.4	133	-0.1	Y	
GIW-12	11/07/13	9.2	75.5	0	15.3	142	-1.1	Y	
GIW-12	11/08/13	8.8	78.8	0	12.4	138	-1	Y	
GIW-12	11/11/13	8.9	77.2	0	13.9	140	-1.2	Y	
GIW-12	11/12/13	8.1	80.7	0.1	11.1	144	-1.1	Y	
GIW-12	11/13/13	8.4	79.8	0	11.8	141	-1.3	Y	
GIW-12	11/14/13	8.5	81.8	0	9.7	143	-1.2	Y	
GIW-12	11/15/13	8.5	77.3	0	14.2	143	-1.6	Y	
GIW-12	11/18/13	9.3	81.1	0	9.6	144	-1.2	Y	
GIW-12	11/19/13	9.1	80.9	0	10	143	-1.7	N	Replaced 4 way valve, pump operational
GIW-12	11/20/13	7.1	75.9	0	17	144	0	Y	Adjusted vac to -1.3 inches
GIW-12	11/21/13	6.3	80.6	0.1	13	142	-0.6	Y	
GIW-12	11/22/13	13.3	68.3	3.1	15.3	144	-5.3	Y	
GIW-12	11/25/13	8.4	84.8	0	6.8	145	-1	Y	
GIW-12	11/26/13	11	70.3	2.7	16	145	-1.7	N	Replaced blackhawk pump-pump operational
GIW-12	11/27/13	9.9	73.5	2	14.6	143	-1.3	Y	
GIW-12	11/28/13	7.7	68.1	1.8	22.4	149	-0.8	Y	
GIW-12	11/29/13	5.6	80.3	0	14.1	125	-0.5	Y	
GIW-12	12/02/13	8.3	75.7	0	16	148	-0.2	Y	
GIW-12	12/03/13	7.6	75.5	0	16.9	152	-0.2	Y	
GIW-12	12/04/13	7.6	75.2	0	17.2	151	-1.3	Y	
GIW-12	12/05/13	7.9	71.2	1.2	19.7	142	-1.3	Y	
GIW-12	12/09/13	7	75.2	0	17.8	151	-0.1	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-12	12/10/13	7.2	70.6	1.1	21.1	145	-0.6	Y	
GIW-12	12/11/13	6.7	73.9	0	19.4	153	-0.1	Y	
GIW-12	12/12/13	8.4	73.4	0	18.2	157	-0.2	Y	
GIW-12	12/13/13	9	74.7	0	16.3	150	-0.5	Y	
GIW-12	12/16/13	9.6	64.1	3.3	23	150	-1.1	Y	
GIW-12	12/17/13	9.3	76.9	0	13.8	148	-0.2	Y	Increased vac to -0.6
GIW-12	12/18/13	9.2	64.6	1.9	24.3	148	-0.2	Y	
GIW-12	12/19/13	8.7	70.7	0.1	20.5	149	-0.3	Y	Increased vac to -0.5
GIW-12	12/20/13	9.3	66.6	1.6	22.5	149	-0.5	Y	
GIW-12	12/23/13	9.2	68.6	1.1	21.1	156	-0.7	Y	
GIW-12	12/24/13	9.2	70.4	0.8	19.6	152	-0.4	Y	Increased vac to -0.6 inches
GIW-12	12/25/13	8.8	73.7	1.8	15.7	152	-0.5	Y	
GIW-12	12/26/13	9.1	67.3	1.6	22	151	-0.4	Y	
GIW-12	12/27/13	9.3	72.4	0	18.3	151	-0.2	Y	Increased vac to -0.3 inches
GIW-12	12/30/13	8.6	59.7	4.5	27.2	152	-1.3	Y	Reduced vac to -0.1 inches (3.5% Oxygen)
GIW-12	12/31/13	7.2	72.4	0	20.4	157	-0.3	Y	Increased vac to -0.4 inches
GIW-12	01/01/14	7.2	74.5	0	18.3	155	0	NA	Increased vac to -0.3 inches
GIW-12	01/03/14	6.5	71.5	0	22	153	-0.2	Y	Increased vac to -0.3 inches
GIW-12	01/13/14	5.9	78.2	0	15.9	162	-0.3	Y	Increased vac to -0.6 inches
GIW-12	01/15/14	5.1	72.4	1.9	20.6	154	-0.1	Y	(pump eval on 16th)
GIW-12	01/17/14	5.3	77.8	0	16.9	158	-0.3	Y	
GIW-12	01/20/14	3.9	78.9	0	17.2	163	0	Y	Increased vac to -0.2 inches
GIW-12	01/22/14	6.4	77	0	16.6	161	-0.9	Y	
GIW-12	01/24/14	5.6	75.4	0	19	160	-0.7	Y	
GIW-12	01/27/14	6.3	77.1	0	16.6	161	-1	Y	
GIW-12	01/29/14	3.8	68.5	1.6	26.1	165	-1.3	Y	Decreased vac to -0.8 inches
GIW-12	02/03/14	2.1	71.9	0.9	25.1	165	-0.5	Y	
GIW-12	02/05/14	2.4	64.1	3.3	30.2	156	-1	Y	Decreased vac to -0.7
GIW-12	02/07/14	2.6	74.4	0	23	162	0.7	Y	Increased vac to -0.3
GIW-12	02/10/14	3	59.2	4.7	33.1	164	-1.6	Y	Decreased vac to -0.4 inches
GIW-12	02/12/14	3	72.6	0	24.4	170	0.2	Y	Increased vac to -0.2 inches
GIW-12	02/14/14	2.5	72.9	0	24.6	170	-0.3	Y	Increased vac to -0.4 inches
GIW-12	02/17/14	2.8	74.6	0	22.6	168	-0.3	Y	Increased vac to -0.5 inches
GIW-12	02/19/14	2.8	74.3	0	22.9	173	-0.7	N	Increased vac to -0.9 inches (bad piston, needs replaced)
GIW-12	02/21/14	3.3	73	0	23.7	173	-0.6	N	Increased vac to -0.9 inches (piston needs replaced)
GIW-12	02/24/14	4	69.2	1.6	25.2	172	-1.1	Y	
GIW-12	02/26/14	3.9	66.6	2.4	27.1	170	-1.4	N	Decreased vac to -0.7 inches (needs piston)
GIW-12	02/28/14	2.3	74	0	23.7	170	-0.4	N	Increased vac to -0.7 inches
GIW-12	03/03/14	2.8	70.6	2	24.6	171	-1.2	N	Decreased vac to -0.6 inches (Piston needs replaced)
GIW-12	03/05/14	1.6	79.8	0	18.6	174	-0.3	N	Increased vac to -0.4 inches (needs piston)
GIW-12	03/07/14	3.7	73.8	1.1	21.4	172	-1.4	Y	
GIW-12	03/10/14	1.4	76.2	0	22.4	178	-0.5	Y	Increased vac to -0.6 inches
GIW-12	03/12/14	2.6	75.9	0	21.5	174	-0.9	Y	Increased vac to -1.0 inches
GIW-12	03/14/14	2.1	77.4	0	20.5	175	-0.5	Y	Increased vac to -0.8 inches
GIW-12	03/17/14	3.5	76.9	0	19.6	176	-1.5	Y	Increased vac to -1.7 inches
GIW-12	03/19/14	5.2	69.8	2.1	22.9	163	-1.9	Y	

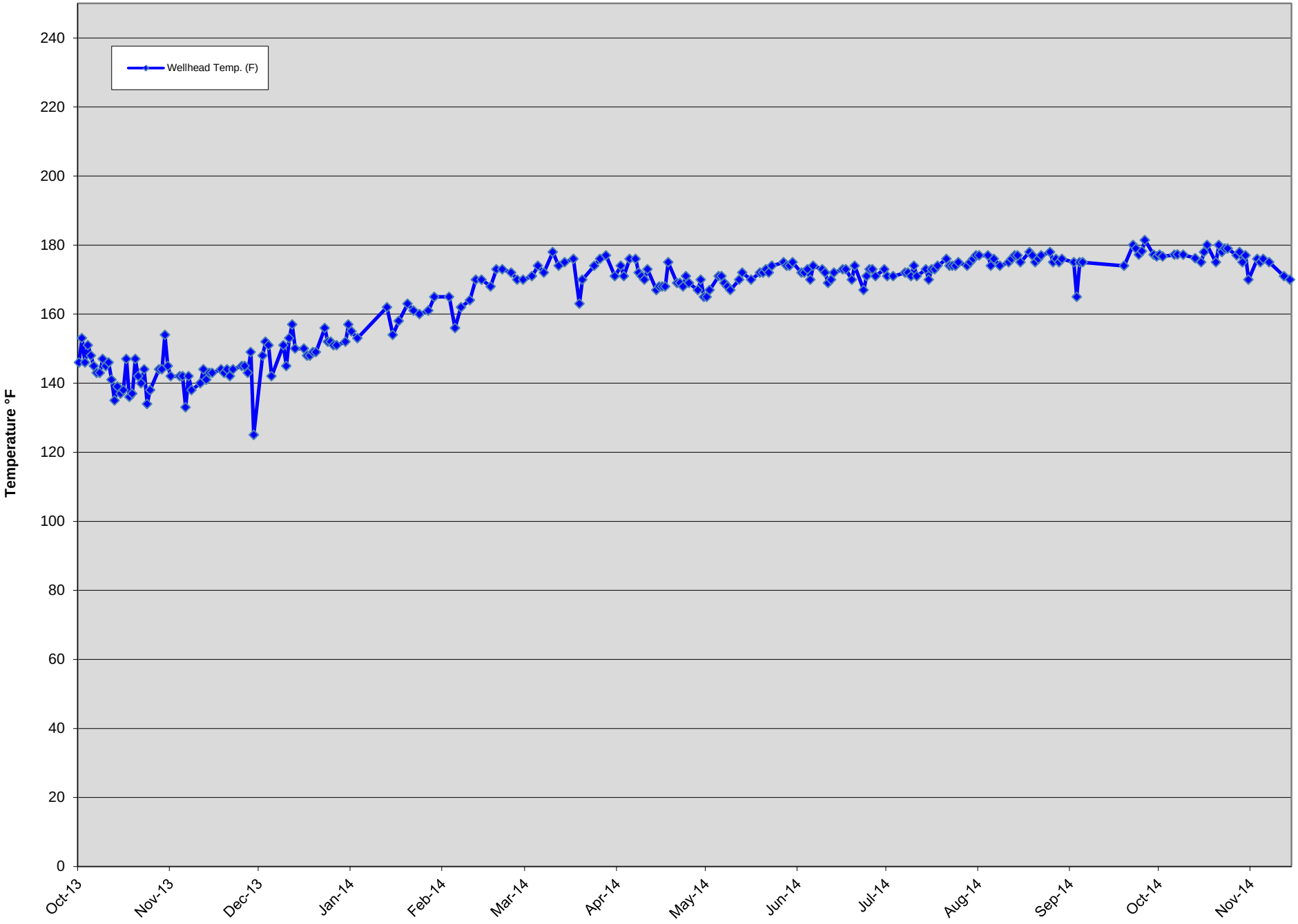
GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-12	03/20/14	5.9	63.2	2.8	28.1	170	-1.5	N	Decreased vac to -0.9 inches (replaced 1" rod seal)
GIW-12	03/24/14	3.2	72.7	0.2	23.9	174	-1.8	N	Replaced 1" rod seal - pump operational
GIW-12	03/26/14	2.4	74.4	0	23.2	176	-2.4	N	Increased vac to -2.6 inches (1" rod seal needs replaced)
GIW-12	03/28/14	1.8	73.4	0	24.8	177	-1.7	N	Increased vac to -2.3 inches (1" rod seal needs replaced)
GIW-12	03/31/14	2.2	75	0	22.8	171	-6.4	N	Decreased vac to -4.8 inches (1" seal needs replaced)
GIW-12	04/02/14	1.8	75.1	0	23.1	174	-2.2	N	Increased vac to -2.7 inches (1" rod seal needs replaced)
GIW-12	04/03/14	1.3	74.7	0	24	171	-18.7	N	Decreased vac to -18.1 inches (1" rod seal replaced)
GIW-12	04/05/14	2.1	75.4	0	22.5	176	-0.2	na	Increased vac to -0.3 inches
GIW-12	04/07/14	2.2	74.2	0	23.6	176	-0.5	Y	Increased vac to -0.8 inches
GIW-12	04/08/14	2.6	70	1	26.4	172	-1	Y	
GIW-12	04/09/14	2.7	67.1	1.7	28.5	171	-0.9	Y	Decreased vac to -0.5 inches
GIW-12	04/10/14	2.5	69.5	1	27	170	-0.7	na	
GIW-12	04/11/14	2.3	70.9	0.7	26.1	173	-0.4	na	
GIW-12	04/14/14	2.9	67.3	1.6	28.2	167	-0.9	Y	Decreased vac to -0.5 inches
GIW-12	04/15/14	2.5	73.2	0	24.3	168	-0.1	Y	Increased vac to -0.2 inches
GIW-12	04/16/14	3.1	71.9	0.4	24.6	168	-0.4	Y	
GIW-12	04/17/14	3.1	69.9	0.8	26.2	168	-0.5	Y	Decreased vac to -0.3 inches
GIW-12	04/18/14	2.9	65.3	1.8	30	175	-1.1	na	Decreased vac to -0.8 inches
GIW-12	04/21/14	2.8	65.8	2.1	29.3	169	-0.8	Y	Decreased vac to -0.6 inches
GIW-12	04/22/14	2.8	67.9	1.9	27.4	169	-0.3	Y	
GIW-12	04/23/14	2.7	71.6	0.5	25.2	168	-0.3	Y	
GIW-12	04/24/14	2.8	72.9	0	24.3	171	0	Y	Increased vac to -0.2 inches
GIW-12	04/25/14	2.4	73.7	0	23.9	169	0.1	N	Increased vac to -0.2 inches (bottom seal blown)
GIW-12	04/28/14	2.4	72.3	0	25.3	167	-0.2	Y	increased vac to -0.3 inches
GIW-12	04/29/14	2.4	69.4	0	28.2	170	0.1	Y	increased vac to -0.1 inches
GIW-12	04/30/14	4	63.2	2.7	30.1	165	-1	Y	decreased vac to -0.8 inches
GIW-12	05/01/14	3.2	65.2	1.8	29.8	165	-0.6	na	decreased vac to -0.5 inches
GIW-12	05/02/14	3.1	69.2	0.9	26.8	167	-0.5	Y	
GIW-12	05/05/14	2.8	72.6	0	24.6	171	0.1	Y	increased vac to -0.1 inches
GIW-12	05/06/14	2.7	70.4	0	26.9	171	-1	Y	increased vac to -1.6 inches
GIW-12	05/07/14	6.1	59.6	3	31.3	169	-2.1	Y	decreased vac to -1.7 inches
GIW-12	05/08/14	4.6	61.2	2.6	31.6	168	-1.4	Y	decreased vac to -0.9 inches
GIW-12	05/09/14	3.2	62.6	2.1	32.1	167	-0.9	Y	decreased vac to -0.8 inches
GIW-12	05/12/14	2.9	70.1	0.5	26.5	170	-0.5	Y	
GIW-12	05/13/14	2.4	72.7	0	24.9	172	-0.4	Y	increased vac to -0.6 inches
GIW-12	05/16/14	2.5	71.5	0	26	170	-0.4	Y	increased vac to -0.6 inches (evaluation completed on the 15th)
GIW-12	05/19/14	2.6	72.2	0	25.2	172	-0.6	Y	increased vac to -0.7 inches
GIW-12	05/20/14	2	72.6	0	25.4	172	-0.3	na	increased vac to -0.6 inches
GIW-12	05/21/14	2.2	67.8	0.8	29.2	173	-0.7	Y	
GIW-12	05/22/14	2.1	65.2	1.7	31	172	-0.9	Y	decreased vac to -0.7 inches
GIW-12	05/23/14	3.6	69.4	0.9	26.1	174	-0.6	na	
GIW-12	05/27/14	2.2	67.7	0	30.1	175	-0.1	na	Increased vac to -0.2 inches
GIW-12	05/28/14	2.3	68.9	0.4	28.4	174	-0.3	Y	
GIW-12	05/29/14	2.2	67.3	0.8	29.7	174	-0.3	Y	
GIW-12	05/30/14	2	68.6	0	29.4	175	-0.5	na	Increased vac to -0.6 inches
GIW-12	06/02/14	2.5	64.7	1.7	31.1	172	-0.5	Y	No change in vac pressure

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-12	06/03/14	2.3	68.9	0.5	28.3	172	-0.2	Y	
GIW-12	06/04/14	2.2	70.4	0	27.4	173	-0.1	Y	No change in vac pressure
GIW-12	06/05/14	2.1	68.7	0.2	29	170	-0.4	Y	
GIW-12	06/06/14	2.2	73	0	24.8	174	-0.2	Y	Increased vac to -0.3 inches
GIW-12	06/09/14	2.2	72.3	0	25.5	173	-0.3	Y	Increased vac to -0.4 inches
GIW-12	06/10/14	2.5	69.4	0.5	27.6	172	-0.6	na	
GIW-12	06/11/14	5	62.6	1.9	30.5	169	-0.7	Y	Decreased vac to -0.6 inches
GIW-12	06/12/14	6.1	62.2	1.8	29.9	170	-0.5	Y	Decreased vac to -0.4 inches
GIW-12	06/13/14	2.4	70.1	0	27.5	172	-0.2	Y	Increased vac to -0.3 inches
GIW-12	06/16/14	3.1	67.6	0.6	28.7	173	-0.4	Y	
GIW-12	06/17/14	2.4	70	0	27.6	173	0	Y	Increased vac to -0.1
GIW-12	06/19/14	3.2	62.1	2.3	32.4	170	-0.8	Y	Decreased vac to -0.7
GIW-12	06/20/14	2.2	70.9	0	26.9	174	-0.2	Y	Increased vac to -0.3
GIW-12	06/23/14	6.8	54.2	3.7	35.3	167	-1	Y	Decreased vac to -0.8
GIW-12	06/24/14	2.7	70.7	0	26.6	171	-0.4	Y	Decreased vac to -0.1
GIW-12	06/25/14	2.6	67.7	0	29.7	173	0	Y	Increased vac to -0.1
GIW-12	06/26/14	2.9	66.9	0.6	29.6	173	-0.5	N	Increased vac to -0.6 (replaced 1" rod seal and 1" female gasket, pump operational)
GIW-12	06/27/14	4.8	57.7	3.5	34	171	-0.9	Y	Decreased vac to -0.7
GIW-12	06/30/14	2.3	68.5	0.5	28.7	173	-0.2	NA	
GIW-12	07/01/14	2.2	63.6	2	32.2	171	-0.4	NA	
GIW-12	07/03/14	2.7	64.4	1.9	31	171	-0.4	NA	
GIW-12	07/07/14	2.4	65.9	1.2	30.5	172	-0.4	Y	
GIW-12	07/08/14	4.1	67.8	0.7	27.4	172	-0.4	Y	
GIW-12	07/09/14	2.5	68.5	0.3	28.7	171	-0.2	Y	
GIW-12	07/10/14	2.4	66.6	1	30	174	-0.2	Y	(refilled memo and 4-way oil)
GIW-12	07/11/14	3.2	62.7	1	33.1	171	-0.6	Y	
GIW-12	07/14/14	2.2	69.4	0	28.4	173	0	Y	Increased vac to -0.1
GIW-12	07/15/14	3.2	60	3.1	33.7	170	-1	Y	Decreased vac to -0.8 (replaced 1" rod seal, pump operational)
GIW-12	07/16/14	2.9	64	1.7	31.4	173	-0.4	Y	
GIW-12	07/17/14	2.8	63.9	2.1	31.2	173	-0.5	Y	Decreased vac to -0.4
GIW-12	07/18/14	2.4	67	0.8	29.8	174	-0.3	Y	
GIW-12	07/21/14	2.2	67.9	0	29.9	176	-0.1	Y	
GIW-12	07/22/14	2.4	65.7	1.3	30.6	174	-0.2	Y	
GIW-12	07/23/14	2.4	65.7	1.3	30.6	174	-0.4	Y	
GIW-12	07/24/14	2.5	65.3	1.3	30.9	174	-0.4	Y	
GIW-12	07/25/14	2.4	66.2	0.9	30.5	175	-0.4	Y	
GIW-12	07/28/14	2.4	65.3	1.4	30.9	174	-0.5	Y	
GIW-12	07/29/14	2.1	67.3	0.6	30	175	-0.3	Y	
GIW-12	07/30/14	2	68.7	0.2	29.1	176	-0.2	Y	
GIW-12	07/31/14	1.8	70.5	0	27.7	177	-0.4	Y	
GIW-12	08/01/14	1.9	69.5	0.2	28.4	177	-0.2	Y	
GIW-12	08/04/14	1.9	68.2	0	29.9	177	-0.2	Y	
GIW-12	08/05/14	2	62.8	2.2	33	174	-0.7	Y	
GIW-12	08/06/14	2.2	64.4	1.5	31.9	176	-0.5	Y	
GIW-12	08/07/14							Y	
GIW-12	08/08/14	2.4	63.2	1.8	32.6	174	-0.4	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-12	08/11/14	1.9	68.6	0.4	29.1	175	-0.2	Y	
GIW-12	08/12/14	2	69.2	0.3	28.5	176	-0.2	Y	
GIW-12	08/13/14	1.9	68	0.3	29.8	177	-0.2	Y	
GIW-12	08/14/14	1.9	69.3	0	28.8	177	-0.2	Y	
GIW-12	08/15/14	1.9	67.3	0.6	30.2	175	-0.4	Y	
GIW-12	08/18/14	2	67	0.6	30.4	178	-0.2	Y	
GIW-12	08/19/14	2.1	64.7	0.9	32.3	177	-0.3	Y	
GIW-12	08/20/14	2.6	62.2	1.5	33.7	175	-0.4	Y	
GIW-12	08/21/14	2.2	63	1.6	33.2	176	-0.2	Y	
GIW-12	08/22/14	2	64.2	1.2	32.6	177	-0.3	Y	
GIW-12	08/25/14	2.2	65.1	0.7	32	178	-0.3	Y	
GIW-12	08/26/14	2.2	62.3	1.3	34.2	175	-0.2	Y	
GIW-12	08/27/14	2.2	63	1.2	33.6	176	-0.5	Y	
GIW-12	08/28/14	2.2	61.4	1.4	35	175	-0.6	Y	
GIW-12	08/29/14	2.2	64.4	1.2	32.2	176	-0.4	Y	
GIW-12	09/01/14							Y	
GIW-12	09/02/14	2.2	63.3	1.8	32.7	175	-0.5	Y	
GIW-12	09/03/14	1.9	64.9	0.8	32.4	165	-0.2	N	(1" rod seal needs to be replaced)
GIW-12	09/04/14	2	65.9	0.8	31.3	175	-0.4	N	(1" rod seal needs to be replaced)
GIW-12	09/05/14	1.9	66.1	0.6	31.4	175	-0.3	N	(replaced 1" rod seal, pump operational)
GIW-12	09/08/14							NA	(Not Available due to safe access conditions)
GIW-12	09/09/14							NA	(Not Available due to safe access conditions)
GIW-12	09/10/14							NA	(Not Available due to safe access conditions)
GIW-12	09/11/14							NA	(Not Available due to safe access conditions)
GIW-12	09/12/14							NA	(Not Available due to safe access conditions)
GIW-12	09/15/14							Y	
GIW-12	09/16/14							Y	
GIW-12	09/17/14							Y	
GIW-12	09/18/14							Y	
GIW-12	09/19/14	3.7	55.8	3.7	36.8	174	-0.6	N	(replaced 1" rod seal, pump operational)
GIW-12	09/22/14	2.6	70.4	0.3	26.7	180	-0.3	Y	
GIW-12	09/23/14	2	66.6	0	31.4	179	-0.1	Y	Increased vac to -3
GIW-12	09/24/14	2.5	56.3	2.2	39	177.2	-0.63	Y	Decreased vac to -0.33
GIW-12	09/25/14	5.1	60.7	0.5	33.7	178.2	-0.31	Y	
GIW-12	09/26/14	2.1	61.3	0.1	36.5	181.4	-0.14	Y	
GIW-12	09/29/14	2.3	54	3.2	40.5	177.2	-0.78	Y	Decreased vac to -0.64
GIW-12	09/30/14	1.9	54	2.9	41.2	176.7	-0.6	Y	Decreased vac to -0.48
GIW-12	10/01/14	3	57.6	1.8	37.6	177.2	-0.34	Y	
GIW-12	10/02/14	5.7	57.3	1.5	35.5	176.7	-0.32	Y	
GIW-12	10/03/14							Y	
GIW-12	10/06/14	7.7	53	1.3	38	177.2	-0.27	Y	Increased vac to -0.28
GIW-12	10/07/14	2.9	55.6	1.5	40	177.3	-0.34	Y	
GIW-12	10/08/14							N	(1" rod seal needs replaced)
GIW-12	10/09/14	0	50.6	0.2	49.2	177.2	-0.23	N	(1" rod seal needs replaced)
GIW-12	10/10/14							N	(1" rod seal needs replaced)
GIW-12	10/13/14	0	47.4	0	52.6	176.2	-0.32	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-12	10/14/14							Y	
GIW-12	10/15/14	2.4	66.3	0.8	30.5	175	-0.4	N	(1" rod seal needs replaced)
GIW-12	10/16/14	2.1	65.9	0.5	31.5	178	-0.2	N	(1" rod seal needs replaced)
GIW-12	10/17/14	1.6	56.5	3.3	38.6	180	-0.3	N	(1" rod seal needs replaced)
GIW-12	10/20/14	2.2	68.3	0	29.5	175	-0.5	N	(1" rod seal needs replaced)
GIW-12	10/21/14	2.1	68.5	0	29.4	180	-0.2	N	(1" rod seal needs replaced)
GIW-12	10/22/14	2.1	67.4	0	30.5	178	-0.1	N	(1" rod seal needs replaced)
GIW-12	10/23/14	2.4	68.1	0	29.5	179	-0.3	N	(replaced 1" rod seal, pump operational)
GIW-12	10/24/14	1.9	72	0	26.1	179	-0.5	Y	
GIW-12	10/27/14	2	67.6	0	30.4	177	-0.1	N	(replaced 1" rod seal, pump operational)
GIW-12	10/28/14	2.2	66.9	0.1	30.8	178	-0.2	Y	
GIW-12	10/29/14	2.6	66.3	0	31.1	175	-0.2	N	(Replaced four way valve - pump operational)
GIW-12	10/30/14	2.3	67.1	0	30.6	177	-0.2	Y	
GIW-12	10/31/14	2.7	64.3	0.8	32.2	170	-0.6	Y	
GIW-12	11/03/14	2.3	68.5	0.1	29.1	176	-0.5	Y	
GIW-12	11/04/14	2.4	70.9	0.5	26.2	175	-0.3	N	(Replace 1" rod seal, pump operational)
GIW-12	11/05/14	2.7	64.7	0.6	32	176	-0.5	Y	
GIW-12	11/06/14							Y	
GIW-12	11/07/14	3.2	64.4	0.3	32.1	175	-0.3	Y	
GIW-12	11/10/14							Y	
GIW-12	11/11/14							Y	
GIW-12	11/12/14	2.6	62.6	1.9	32.9	171	-0.8	Y	Increased vac to -0.9
GIW-12	11/13/14							Y	
GIW-12	11/14/14	2.5	63.8	1.2	32.5	170	-0.4	Y	

GIW-12 Wellhead Temperatures



GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-13	04/08/13	0.4	1.2	17.9	80.5	82	-0.7	N	
GIW-13	04/09/13	0.1	0.6	19.5	79.8	80	-1	Y	
GIW-13	04/10/13	0.1	0.9	16.6	82.4	88	-0.3	Y	
GIW-13	04/11/13	2.4	10	17.1	70.5	50	-1.4	Y	
GIW-13	04/12/13	0.2	3	20.4	76.4	45	-1.6	Y	
GIW-13	04/13/13	3	12	17.6	67.4	60	-1.5	Y	
GIW-13	04/14/13	1.2	4.2	18.4	76.2	80	-1.4	Y	
GIW-13	04/15/13	2.5	7.3	17.6	72.6	68	-1	Y	
GIW-13	04/16/13	18.9	65.2	0.4	15.5	50	-1.8	Y	
GIW-13	04/17/13	4.9	13.4	15	66.7	70	-1.9	Y	
GIW-13	04/18/13	16.3	63.5	0.3	19.9	68	-1.8	Y	
GIW-13	04/19/13	13.1	50.8	2.1	34	42	-2.5	Y	Pump working, no liquid, dry
GIW-13	04/20/13	11.7	50.6	2.1	35.6	70	-2.9	Y	Pump working, no liquid, dry
GIW-13	04/21/13	13.8	53.2	1.9	31.1	60	-2.5	Y	
GIW-13	04/22/13	11.9	61	0.9	26.2	72	-1.9	Y	Pump working, no liquid, dry
GIW-13	04/23/13	11.4	56	2	30.6	62	-2.8	Y	
GIW-13	04/24/13	16.6	42.5	2.3	38.6	110	-5.2	Y	Pump working, no liquid, dry
GIW-13	04/25/13	11.6	54.3	1.9	32.2	80	-4	Y	
GIW-13	04/26/13	11	55.1	2.7	31.2	75	-5	Y	Pump working, no liquid, dry
GIW-13	04/27/13	17.8	42.3	4.9	35	110	-5.5	Y	Pump working, no liquid, dry
GIW-13	04/28/13	12.8	54.3	3	29.9	105	-5	Y	Pump working, no liquid, dry
GIW-13	04/29/13	12	63.6	0.5	23.9	80	-3.9	Y	Pump working, no liquid, dry
GIW-13	04/30/13	9.6	60	1.7	28.7	95	-4.1	Y	Pump working, no liquid, dry
GIW-13	05/01/13	13.7	47.2	3.4	35.7	122	-5.1	Y	Pump working, no liquid, dry
GIW-13	05/02/13	15.9	44.5	3.8	35.8	130	-4.8	Y	Pump working, no liquid, dry
GIW-13	05/03/13	9.7	65.5	0.6	24.2	70	-4.1	Y	Pump working, no liquid, dry
GIW-13	05/04/13	9.6	58.4	1.8	30.2	70	-4.1	Y	Pump working, no liquid, dry
GIW-13	05/05/13	14.6	52.5	1.4	31.5	110	-4.1	Y	Begin using fluke temp meter
GIW-13	05/06/13	11.2	51.3	1.9	35.6	111	-4	Y	Pump working, no liquid, dry
GIW-13	05/07/13	10.6	51.6	2.2	35.6	120	-4.1	Y	Pump working, no liquid, dry
GIW-13	05/08/13	9.4	50.9	2	37.7	129	-4.7	Y	Pump working, no liquid, dry
GIW-13	05/09/13	11.1	54.5	2	32.4	111	-2.9	Y	Pump working, no liquid, dry
GIW-13	05/10/13	12.6	48.9	2.9	35.6	115	-4.1	Y	
GIW-13	05/11/13	11.8	57.8	2.4	28	77	-1.4	Y	
GIW-13	05/12/13	13.1	66	1	19.9	68	-1.4	N	Pump not working, repairs being made
GIW-13	05/13/13	19.2	63.7	0.8	16.3	73	-1.4	Y	Pulled pump and replaced HDPE tube
GIW-13	05/14/13	11.2	62.2	1.7	24.9	96	-1.2	Y	Replaced fibergalls rod and rod seal.
GIW-13	05/15/13	9.2	68.4	0	22.4	100	-1.3	Y	Installed check valve
GIW-13	05/16/13	9.3	62.5	1.3	26.9	133	-1.8	Y	
GIW-13	05/17/13	9.2	64.9	1.3	24.6	137	-1.9	Y	
GIW-13	05/18/13	9.8	61.1	1.3	27.8	138	-2.3	Y	
GIW-13	05/19/13	14.2	63.6	1.3	20.9	134	-2	Y	
GIW-13	05/20/13	14.5	58.9	1.4	25.2	131	-3.8	Y	
GIW-13	05/21/13	19.5	59.7	0.8	20	138	-3.9	Y	
GIW-13	05/22/13	16.6	60.7	0.8	21.9	140	-3.3	Y	Replaced 1-inch rod seal
GIW-13	05/23/13	13.8	57.9	1.2	27.1	138	-4.4	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-13	05/24/13	13	61.8	1.4	23.8	140	-3.5	Y	
GIW-13	05/25/13	14.5	63.5	0.6	21.4	143	-3.6	Y	
GIW-13	05/26/13	9.6	53.6	2	34.8	141	-3.7	Y	
GIW-13	05/27/13	11.5	53.8	1	33.7	138	-3	N	Removed and cleaned air box - operating
GIW-13	05/28/13	14.7	60.4	0.6	24.3	132	-2.7	Y	
GIW-13	05/29/13	10.8	52.7	1.3	35.2	136	-3	N	Removed and cleaned air box - operating
GIW-13	05/30/13	11.4	57.9	1.3	29.4	132	-3.8	Y	
GIW-13	05/31/13	10	53.4	1.5	35.1	136	-3.5	Y	
GIW-13	06/01/13	7.3	51.5	1.6	39.6	130	-3.2	Y	
GIW-13	06/02/13	6.4	58.5	1.1	34	136	-3.1	N	Replaced 4-way valve - pump operational
GIW-13	06/03/13	7.9	54.2	1.4	36.5	138	-2.6	Y	Working on available vac issue
GIW-13	06/04/13	10.3	63.4	0.2	26.1	138	-1	Y	Working on available vac issue
GIW-13	06/05/13	14.4	63.6	0.5	21.5	138	-2	Y	Working on available vac issue
GIW-13	06/06/13	9.6	59.8	1.2	29.4	140	-1.6	Y	Working on available vac issue
GIW-13	06/07/13	9.6	54.3	1.4	34.7	135	-2.1	Y	Working on available vac issue
GIW-13	06/08/13	8.9	61.1	0.4	29.6	138	-0.9	Y	Sag main header, jumper installed late 6-8
GIW-13	06/09/13	8.8	51.9	1.5	37.8	143	-2.2	Y	Vacuum restored
GIW-13	06/10/13	10.3	44	2.4	43.3	138	-5.2	Y	
GIW-13	06/11/13	11	52.7	1.1	35.2	138	-4	Y	
GIW-13	06/12/13	12.9	48	1	38.1	139	-4.3	N	Replaced 1-inch rod seal - pump operating
GIW-13	06/13/13	9.4	49.8	2.1	38.7	138	-4	Y	
GIW-13	06/14/13	9	50.1	1.1	39.8	140	-4.1	Y	Replaced air box
GIW-13	06/15/13	8.2	52.2	1.9	37.7	137	-4.4	Y	
GIW-13	06/16/13	13.9	65.1	0.6	20.4	140	-2.1	Y	
GIW-13	06/17/13	14.8	50.4	1.7	33.1	140	-4.6	Y	
GIW-13	06/18/13	14.4	51.2	1.6	32.8	142	-4.1	N	Clogged air line, cleaned, operational
GIW-13	06/19/13	17.9	51.4	1.7	29	140	-4.1	Y	
GIW-13	06/20/13	14.1	55.2	1.9	28.8	142	-4	Y	
GIW-13	06/21/13	18	52.9	1	28.1	142	-4	Y	
GIW-13	06/22/13	17.9	51.2	1.8	29.1	139	-4.6	Y	
GIW-13	06/23/13	18.6	46.8	1.9	32.7	140	-4.1	Y	
GIW-13	06/24/13	10.4	56.7	1.8	31.1	142	-4.2	Y	
GIW-13	06/25/13	15.6	56.8	1.7	25.9	140	-4.2	Y	
GIW-13	06/26/13	11.8	58.6	2	27.6	135	-4.3	Y	
GIW-13	06/27/13	8.5	53.6	1.4	36.5	136	-4	Y	
GIW-13	06/28/13	12.3	57.3	2.1	28.3	138	-4.2	Y	
GIW-13	06/29/13	6.4	63.2	0.1	30.3	138	-4.4	Y	
GIW-13	06/30/13	7.4	59.2	1.8	31.6	138	-4.3	Y	
GIW-13	07/01/13	7	59.7	1.6	31.7	138	-4.1	Y	
GIW-13	07/02/13	5.3	65.1	0.3	29.3	139	-4.6	Y	
GIW-13	07/03/13	6.2	65.5	0.5	27.8	142	-4	Y	
GIW-13	07/04/13	7	62.9	0.4	29.7	139	-4.1	Y	
GIW-13	07/05/13	6.3	65.5	0.6	27.6	137	-3.9	Y	
GIW-13	07/06/13	5.1	67.4	0	27.5	138	-4.1	Y	
GIW-13	07/07/13	6.5	64	0.7	28.8	138	-4.1	Y	
GIW-13	07/08/13	5.4	68.8	0.5	25.3	133	-4.2	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-13	07/09/13	4.9	64.5	0.8	29.8	136	-4	Y	
GIW-13	07/10/13	8.6	63.9	1.5	26	132	-4.1	Y	
GIW-13	07/11/13	6.9	62.7	0.9	29.5	137	-4	N	Replaced 1-inch rod seal, pump operating
GIW-13	07/12/13	4.8	65.1	0.2	29.9	139	-3.9	Y	
GIW-13	07/13/13	19.6	65.5	0.8	14.1	141	-4.1	Y	
GIW-13	07/14/13	7.2	66.1	0	26.7	135	-4.4	Y	
GIW-13	07/15/13	9.3	64.9	0	25.8	142	-4.1	Y	
GIW-13	07/17/13	12.1	39.8	6.9	41.2	145	-5.4	Y	Coll. 39 mins after midnight
GIW-13	07/17/13	8.6	68.2	0.2	23	139	-0.3	Y	
GIW-13	07/18/13	13.8	66.5	0	19.7	140	-0.2	Y	
GIW-13	07/19/13	15.4	65.4	0.3	18.9	142	-1	Y	
GIW-13	07/20/13	17	64.8	0.7	17.5	144	-0.9	Y	
GIW-13	07/21/13	12.7	59.7	2.2	25.4	140	-1	Y	
GIW-13	07/22/13	13.5	57.7	2.9	25.9	143	-1.1	Y	
GIW-13	07/23/13	11.1	65.5	0.6	22.8	141	-0.6	Y	Pulled and Cleaned Pump
GIW-13	07/24/13	11.9	61.4	1.5	25.2	140	-1.1	Y	
GIW-13	07/25/13	14.1	67.2	0.3	18.4	140	-0.3	N	Replaced 4 way valve - pump operational
GIW-13	07/26/13	11.6	59	2.2	27.2	144	-0.4	Y	
GIW-13	07/27/13	16.8	55.7	2.3	25.2	146	-0.9	Y	
GIW-13	07/28/13	10.7	62.7	0.1	26.5	145	-0.8	Y	
GIW-13	07/29/13	13.2	65.3	1	20.5	147	-1	Y	
GIW-13	07/30/13	10.8	62.1	1.2	25.9	146	-0.8	Y	
GIW-13	07/31/13	16.8	61.2	1.1	20.9	146	-0.7	Y	
GIW-13	08/01/13	13.2	64.4	0.4	22	148	-0.3	N	Replaced cylinder cap/4 way valve - pump operational
GIW-13	08/02/13	11.8	66.1	0	22.1	141	-0.1	Y	
GIW-13	08/03/13	12.1	62	1.2	24.7	137	-0.4	Y	
GIW-13	08/04/13	12.2	66.6	0.6	20.6	147	-0.7	Y	
GIW-13	08/05/13	12	67.2	0.2	20.6	136	-0.3	Y	
GIW-13	08/06/13	11.3	66.4	0.2	22.1	139	-0.4	Y	
GIW-13	08/07/13	12.2	69	0	18.8	136	-0.8	Y	
GIW-13	08/08/13	12.4	63.6	1	23	140	-0.9	Y	
GIW-13	08/09/13	4.3	67.1	0.6	28	138	-1.7	Y	
GIW-13	08/10/13	9.6	61.9	1.6	26.9	134	-1.9	Y	
GIW-13	08/11/13	7	65.9	0.4	26.7	141	-1.2	Y	
GIW-13	08/12/13	12.7	66.3	0.6	20.4	149	-0.7	Y	
GIW-13	08/13/13	9	58.2	3	29.8	140	-1.4	Y	adjustment made,reduced O2 to 1.8%
GIW-13	08/14/13	10.1	65.6	0.2	24.1	143	-0.3	Y	
GIW-13	08/15/13	8.5	67.8	0	23.7	147	-0.3	Y	
GIW-13	08/16/13	12.4	68.4	0	19.2	140	-0.8	Y	
GIW-13	08/17/13	9.2	62	1.6	27.2	144	-1.1	Y	
GIW-13	08/18/13	13.7	66.7	0.5	19.1	145	-0.8	Y	
GIW-13	08/19/13	10	64.2	1.1	24.7	147	-1	Y	
GIW-13	08/20/13	11.6	65.9	0	22.5	145	-0.8	Y	
GIW-13	08/21/13	13.2	64	0.8	22	144	-1	Y	
GIW-13	08/22/13	14.7	65.3	0.3	19.7	146	-1.1	Y	
GIW-13	08/23/13	10.3	60.9	1.9	26.9	148	-1.5	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-13	08/24/13	14.7	69.5	0	15.8	146	-0.8	Y	
GIW-13	08/25/13	13.4	67.4	0.3	18.9	143	-1	N	Replace 1" rod seal - pump operational
GIW-13	08/26/13	11.9	63.8	0.7	23.6	142	-1.3	Y	
GIW-13	08/27/13	10.1	61	1.8	27.1	142	-1.6	Y	
GIW-13	08/28/13	8.9	63.8	1.1	26.2	147	-1.2	Y	
GIW-13	08/29/13	17.8	60.4	1.8	20	146	-0.5	Y	
GIW-13	08/30/13	5.2	70.3	0	24.5	146	-0.2	Y	
GIW-13	08/31/13	6.3	61.7	1.3	30.7	144	-0.9	Y	
GIW-13	09/01/13	8	61.9	1.3	30.9	138	-1.5	Y	
GIW-13	09/02/13	6.1	64.5	1.3	28.1	138	-1.2	Y	
GIW-13	09/03/13	17.1	69.4	0.1	13.4	145	-2.6	Y	
GIW-13	09/04/13	4.5	70	0	25.5	142	-1.8	Y	
GIW-13	09/05/13	5.3	66	1.5	27.2	146	-0.6	Y	
GIW-13	09/06/13	4.6	76.8	0	18.6	147	-0.4	Y	
GIW-13	09/07/13	6	65.8	1.6	26.6	144	-0.8	Y	
GIW-13	09/08/13	5	74	0	21	147	-0.2	Y	
GIW-13	09/09/13	5.9	73.9	0	20.2	147	-0.2	Y	
GIW-13	09/10/13	6.3	72	1.1	20.6	149	-1.2	Y	
GIW-13	09/11/13	7.2	71.5	0.8	20.5	143	-1	N	Replaced 4 way valve - pump operational
GIW-13	09/12/13	6.5	65.9	2.1	25.5	145	-1.7	Y	Adjusted vac, reduced O2 to 1.8%
GIW-13	09/13/13	7.1	76.3	0	16.6	141	-0.4	Y	
GIW-13	09/14/13	8.8	71.4	1	18.8	144	-1.3	Y	
GIW-13	09/15/13	9.4	77.6	0	13	144	-1	N	Replaced 4 way valve-pump operational
GIW-13	09/16/13	5.5	69.8	0.6	24.1	136	-0.6	Y	
GIW-13	09/17/13	5.9	69.1	0.2	24.8	147	-0.5	Y	
GIW-13	09/18/13	5.8	69	0	25.2	148	-0.3	Y	
GIW-13	09/19/13	5.8	70	0	24.2	141	-0.2	Y	
GIW-13	09/20/13	7.1	77.6	0	15.3	150	-0.5	Y	
GIW-13	09/21/13	7.6	73.3	0	19.1	152	-0.6	Y	
GIW-13	09/22/13	7.7	78.2	0	14.1	147	-0.6	Y	
GIW-13	09/23/13	8	76.4	0	15.6	150	-0.7	Y	
GIW-13	09/25/13	10.3	80.9	0	8.8	150	-2.6	Y	
GIW-13	09/26/13	8.7	74.8	0.1	16.4	150	-1.7	Y	
GIW-13	09/27/13	8.5	72.9	0	18.6	149	-1.1	Y	
GIW-13	09/28/13	4.9	58.3	3.7	33.1	146	-3.3	Y	Adjusted vac reduced O2 to 0%
GIW-13	09/29/13	7.2	71.7	0	21.1	150	-0.7	Y	
GIW-13	09/30/13	4.7	72.9	0	22.4	143	-0.1	Y	
GIW-13	10/01/13	4.5	71.4	0	24.1	149	-0.3	Y	
GIW-13	10/02/13	4.8	71.7	0	23.5	153	-0.2	Y	
GIW-13	10/03/13	7.6	71.7	0	20.7	146	-1.1	Y	
GIW-13	10/04/13	7.2	72.1	0	20.7	147	-0.8	N	Replaced 4 way valve - pump operational
GIW-13	10/05/13	8.8	80.6	0	10.6	148	-1.7	Y	
GIW-13	10/06/13	8.7	76.1	0	15.2	147	-2.4	Y	
GIW-13	10/07/13	7.7	79.6	0	12.7	141	-1.5	Y	
GIW-13	10/08/13	6.4	79.5	0	14.1	145	-0.7	Y	
GIW-13	10/09/13	6.8	79.6	0	13.6	150	-1.3	Y	

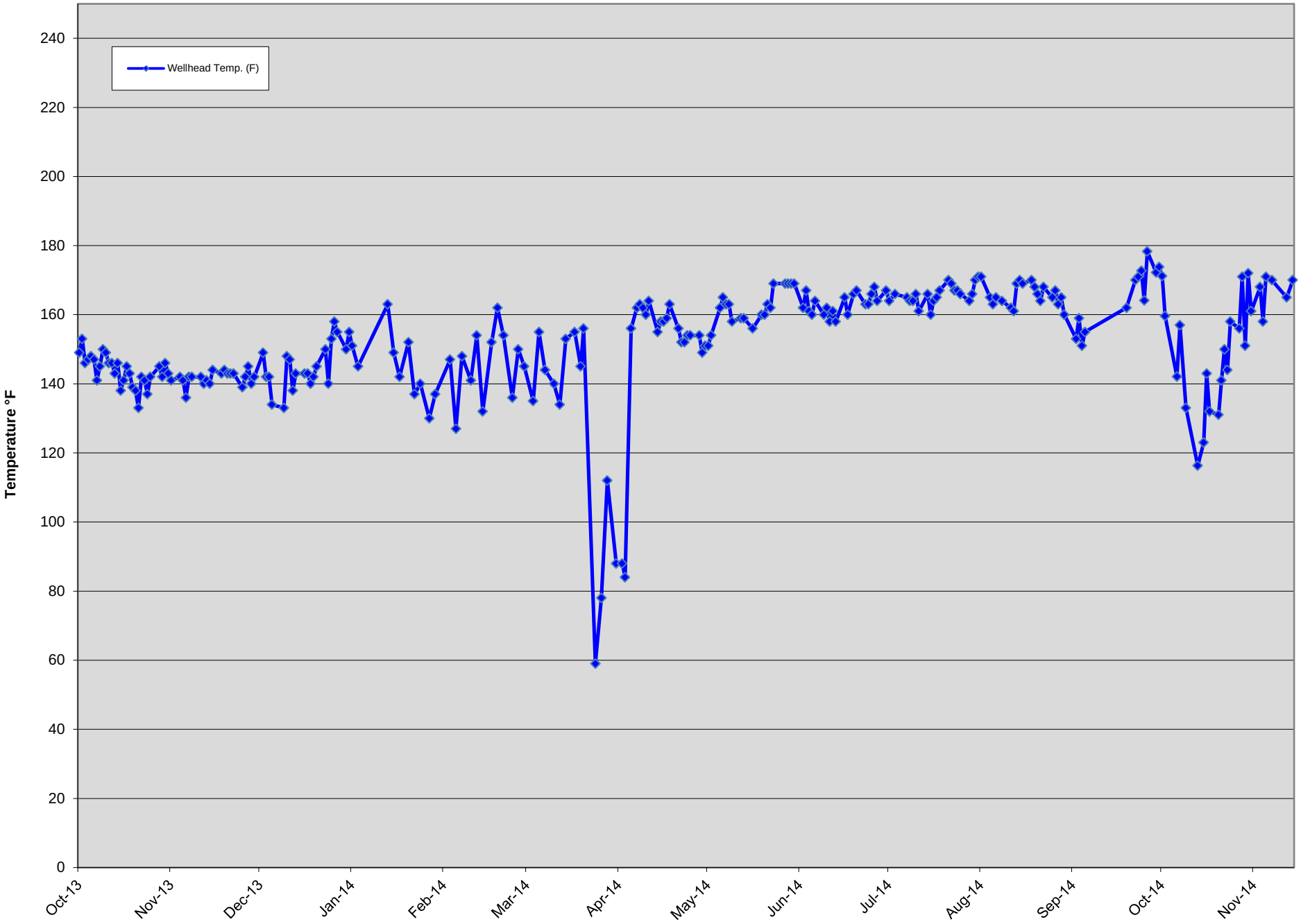
GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-13	10/10/13	8.2	79.8	0	12	149	-1.6	Y	
GIW-13	10/11/13	8.5	79.9	0	11.6	146	-1.7	Y	
GIW-13	10/12/13	9.8	75.1	1	14.1	146	-3.9	N	Replaced 4 way valve - pump operational
GIW-13	10/13/13	10	81.6	0	8.4	143	-3	Y	
GIW-13	10/14/13	9.7	76	0	14.3	146	-1.8	Y	
GIW-13	10/15/13	10.2	72.1	0.9	16.8	138	-4.3	Y	
GIW-13	10/16/13	9.8	77	0	13.2	141	-2.5	Y	
GIW-13	10/17/13	10.8	75	0	14.2	145	-3.4	N	Replaced 4 way valve - pump operational
GIW-13	10/18/13	10.4	76.6	0	13	143	-2.3	Y	
GIW-13	10/19/13	12.1	83.2	0	4.7	139	-4.4	Y	
GIW-13	10/20/13	11.1	78	0	10.9	138	-4.4	Y	
GIW-13	10/21/13	10.7	75.3	1.4	12.6	133	-5.5	N	Replaced 4 way valve - pump operational
GIW-13	10/22/13	11.6	88.3	0	0.1	142	-3.7	Y	
GIW-13	10/23/13	11.6	87.8	0	0.6	141	-3.9	Y	
GIW-13	10/24/13	10.7	75.4	0.1	13.8	137	-3.7	Y	
GIW-13	10/25/13	11.2	72.8	0.6	15.4	142	-5.5	Y	
GIW-13	10/28/13	10.9	74.8	0	14.3	145	-4.4	Y	
GIW-13	10/29/13	11.4	76.2	0	12.4	142	-4.4	Y	
GIW-13	10/30/13	7.7	65.8	1.6	24.9	146	-3.1	Y	
GIW-13	10/31/13	8	62.9	2.8	26.3	143	-4	Y	
GIW-13	11/01/13	8.9	72.1	0.7	18.3	141	-3.2	Y	
GIW-13	11/04/13	10	75.3	0	14.7	142	-3.4	Y	
GIW-13	11/05/13	21.6	76.2	0.1	2.1	141	-4.4	Y	
GIW-13	11/06/13	10.5	76.4	0	13.1	136	-4.2	Y	
GIW-13	11/07/13	10.1	74.4	0	15.5	142	-3.7	Y	
GIW-13	11/08/13	10.4	77.5	0	12.1	142	-4.5	Y	
GIW-13	11/11/13	10.2	76.5	0	13.3	142	-4.9	Y	
GIW-13	11/12/13	8.4	75.7	1.1	14.8	140	-5.2	Y	
GIW-13	11/13/13	9.8	79.3	0	10.9	141	-4.9	Y	
GIW-13	11/14/13	11.2	79.9	0	8.9	140	-4	Y	
GIW-13	11/15/13	11.5	75.6	0	12.9	144	-5.1	Y	
GIW-13	11/18/13	12.6	78.6	0	8.8	143	-6.1	Y	
GIW-13	11/19/13	12.3	77.8	0	9.9	144	-4.9	Y	
GIW-13	11/20/13	11.9	72.9	0	15.2	143	-5.2	Y	
GIW-13	11/21/13	11	76.7	0.3	12	143	-4.8	Y	
GIW-13	11/22/13	8.8	61.7	3.6	25.9	143	-5	Y	
GIW-13	11/25/13	10.7	82.8	0	6.5	139	-5.9	Y	
GIW-13	11/26/13	8.1	65.6	2.6	23.7	142	-5.4	Y	
GIW-13	11/27/13	9.8	72.8	1.2	16.2	145	-4.7	Y	
GIW-13	11/28/13	8.3	70.2	0.4	21.1	140	-4.6	N	Replaced 4 way valve - pump operational
GIW-13	11/29/13	9.6	79.7	0	10.7	142	-4.7	Y	
GIW-13	12/02/13	8.7	74.1	0	17.2	149	-4.9	Y	
GIW-13	12/03/13	8.8	75.2	0	16	142	-9	Y	
GIW-13	12/04/13	7.5	73.9	0	18.6	142	-4.5	Y	
GIW-13	12/05/13	7.9	72.7	0.4	19	134	-4.9	Y	
GIW-13	12/09/13	7.5	72.3	0.2	20	133	-4.8	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-13	12/10/13	5.8	55.6	5	33.6	148	-4.4	Y	
GIW-13	12/11/13	3.6	69.6	0	26.8	147	-1	Y	
GIW-13	12/12/13	5.3	69.8	0	24.9	138	-2	Y	
GIW-13	12/13/13	5.9	71.4	0	22.7	143	-2.7	Y	
GIW-13	12/16/13	6.2	72.7	0	21.1	143	-4	Y	
GIW-13	12/17/13	7.8	73.8	0	18.4	143	-4	Y	
GIW-13	12/18/13	7.5	69.7	0	22.8	140	-4.6	Y	
GIW-13	12/19/13	7.8	69.9	0	22.3	142	-4.9	Y	
GIW-13	12/20/13	7.3	67.8	0	24.9	145	-4.2	Y	
GIW-13	12/23/13	7.2	68.6	0	24.2	150	-4.5	Y	
GIW-13	12/24/13	6.7	69.5	0	23.8	140	-4.4	Y	
GIW-13	12/25/13	5.8	75.8	0	18.4	153	-4	Y	
GIW-13	12/26/13	6.6	68.3	0	25.1	158	-4.1	Y	
GIW-13	12/27/13	8.5	68.1	0	23.4	155	-4.1	Y	
GIW-13	12/30/13	5.9	70.1	0	24	150	-4	Y	
GIW-13	12/31/13	6.3	69.1	0	24.6	155	-4.1	Y	
GIW-13	01/01/14	6.2	70	0	23.8	151	-4	NA	
GIW-13	01/03/14	5.6	68.6	0	25.8	145	-4.3	Y	
GIW-13	01/13/14	3.7	71.4	0	24.9	163	0.5	Y	Increased vac to -0.7 inches
GIW-13	01/15/14	3.4	63	3.1	30.5	149	-2.4	Y	Decreased vac to -1.7 inches (pump eval on 16th)
GIW-13	01/17/14	3.7	70.7	0	25.6	142	-1.8	Y	
GIW-13	01/20/14	3.6	71.8	0	24.6	152	-0.4	Y	
GIW-13	01/22/14	4.4	71.7	0	23.9	137	-4.9	Y	
GIW-13	01/24/14	3.6	69	0	27.4	140	-4.1	Y	
GIW-13	01/27/14	4	72.6	0.1	23.3	130	-5	Y	
GIW-13	01/29/14	3.5	68.7	0	27.8	137	-4.4	N	Need new push caps
GIW-13	02/03/14	2.7	69.1	0	28.2	147	-3.2	N	Increased vac to -3.6 inches
GIW-13	02/05/14	3	69	0.1	27.9	127	-2.1	N	Rod needs to be extended
GIW-13	02/07/14	3.3	68.2	0	28.5	148	3.4	Y	Increased vac to -2.2 inches
GIW-13	02/10/14	3.5	69.8	0.1	26.6	141	-5.1	Y	
GIW-13	02/12/14	3.1	69.7	0	27.2	154	-4.5	Y	
GIW-13	02/14/14	3.3	69.1	0	27.6	132	-7.8	N	Reduced vac to -6.0 inches (replaced 1" rod seal)
GIW-13	02/17/14	3.4	70.9	0	25.7	152	-2.8	Y	Reduced vac to -3.9 inches
GIW-13	02/19/14	4	70.3	0	25.7	162	-6.9	N	Decreased vac to -5.8 inches (piston needs replaced)
GIW-13	02/21/14	3.4	69	0	27.6	154	-4	Y	
GIW-13	02/24/14	4.2	70	0	25.8	136	-6.4	Y	Decreased vac to -5.3 inches
GIW-13	02/26/14	2.8	69.4	0	27.8	150	0	Y	Increased vac to -0.9 inches
GIW-13	02/28/14	2.4	69.8	0	27.8	145	-4	Y	replaced valve to improve operation
GIW-13	03/03/14	2.9	70.9	0	26.2	135	-4.8	Y	
GIW-13	03/05/14	1.8	73.9	0	24.3	155	-1.9	Y	Increased vac to -2.3 inches
GIW-13	03/07/14	3.9	74.5	0	21.6	144	-5	Y	
GIW-13	03/10/14	2	71.9	0	26.1	140	-3.9	N	(Replaced 1" road seal)
GIW-13	03/12/14	1.9	71.3	0	26.8	134	-4.1	Y	
GIW-13	03/14/14	2.3	74.8	0	22.9	153	1.2	Y	Increased vac to -1.2 inches
GIW-13	03/17/14	2.1	72.1	0	25.8	155	-7.2	N	Decreased vac to -6.2 inches (replaced 1" rod seal)
GIW-13	03/19/14	3.6	71.7	0	24.7	145	-4	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-13	03/20/14	3.7	69.3	0	27	156	-6.2	N	Decreased vac to -5.2 inches (replaced 1" rod seal)
GIW-13	03/24/14	2.6	61.4	1.6	34.4	59	-20.8	Y	Decreased vac to -5.1 inches
GIW-13	03/26/14	2.5	67.9	0	29.6	78	41.3	N	Increased vac to -0.9 inches (replaced 4-way valve)
GIW-13	03/28/14	1.4	64.6	0.9	33.1	112	-17.7	N	Decreased vac to -16.4 inches (1" rod seal needs replaced)
GIW-13	03/31/14	1.6	65	1.7	31.7	88	-22.9	N	Decreased vac to -20.1 inches (1" rod seal needs replaced)
GIW-13	04/02/14	1.7	65.8	1.3	31.2	88	-17.4	N	Decreased vac to -16 inches (1" rod seal needs replaced)
GIW-13	04/03/14	2.6	70.9	0	26.5	84	41.5	N	Increased vac to -0.3 inches (1" rod seal replaced)
GIW-13	04/05/14	3.5	69.3	0.3	26.9	156	-17.5	na	Decreased vac to -16.2 inches
GIW-13	04/07/14	3.7	68.9	0.2	27.2	162	-12.5	Y	Decreased vac to -11.8 inches
GIW-13	04/08/14	4.1	69.5	0	26.4	163	-8.8	Y	Decreased vac to -6.7 inches
GIW-13	04/09/14	5.6	67.6	0	26.8	162	-4.6	Y	
GIW-13	04/10/14	6.6	66.7	0	26.7	160	-4.4	na	
GIW-13	04/11/14	4	68.7	0	27.3	164	-4.1	na	
GIW-13	04/14/14	4.2	70.5	0	25.3	155	-4.1	Y	
GIW-13	04/15/14	3.9	69.2	0.1	26.8	158	-2.3	Y	Increased vac to -2.8 inches
GIW-13	04/16/14	4.5	69.8	0.1	25.6	158	-5.2	Y	
GIW-13	04/17/14	4.7	69.6	0	25.7	159	-4.4	Y	
GIW-13	04/18/14	4.3	70.5	0	25.2	163	-6.9	na	Decreased vac to -5.7 inches
GIW-13	04/21/14	3	70.1	0	26.9	156	-5.1	Y	
GIW-13	04/22/14	3	70.4	0	26.6	152	-6.5	Y	Decreased vac to -5.2 inches
GIW-13	04/23/14	2.8	67.4	0	29.8	152	-3.2	Y	Increased vac to -3.5 inches
GIW-13	04/24/14	2.7	70.1	0	27.2	154	-3.5	Y	Increased vac to -3.7 inches
GIW-13	04/25/14	2.8	70.5	0	26.7	154	-4	Y	
GIW-13	04/28/14	3	71.6	0	25.4	154	-6.2	Y	Decreased vac to -5.9 inches
GIW-13	04/29/14	2.8	69.8	0	27.4	149	-1.9	N	Increased vac to -2.2 inches (bad footvalve or broken rod)
GIW-13	04/30/14	3.8	70.7	0	25.5	151	-3.7	N	Increased vac to -4.2 inches (bad footvalve or broken rod)
GIW-13	05/01/14	3.4	69.4	0	27.2	151	-2.2	na	Increased vac to -2.6 inches
GIW-13	05/02/14	3.5	69.8	0	26.7	154	-2.3	N	Increased vac to -2.8 inches (replaced footvalve)
GIW-13	05/05/14	3.7	69.8	0	26.5	162	4.4	Y	Increased vac to -0.5 inches
GIW-13	05/06/14	3	69	0	28	165	-6.2	Y	decreased vac to -5.8 inches
GIW-13	05/07/14	3.8	68.1	0	28.1	163	-8.5	Y	decreased vac to -6.9 inches
GIW-13	05/08/14	2.9	68.6	0	28.5	163	-6.9	Y	decreased vac to -6 inches
GIW-13	05/09/14	2.8	68.7	0	28.5	158	-7	Y	decreased vac to -6.3 inches
GIW-13	05/12/14	2.6	69	0	28.4	159	-4.9	Y	
GIW-13	05/13/14	2.7	67.5	0	29.8	159	-6.1	Y	decreased vac to -5.5 inches
GIW-13	05/16/14	2.2	67.4	0	30.4	156	-3.1	N	ed vac to -4 inches (pump needs pulled for maintenance, evaluation completed on th
GIW-13	05/19/14	2.3	69.5	0	28.2	160	-0.8	N	increased vac to -1.8 inches (bad footvalve)
GIW-13	05/20/14	2.2	69.1	0	28.7	160	-0.8	na	increased vac to -1.3 inches
GIW-13	05/21/14	2.1	67.7	0	30.2	163	-2.1	Y	Increased vac to -2.6 inches
GIW-13	05/22/14	2.1	68.1	0	29.8	162	-2.2	Y	increased vac to -2.8 inches
GIW-13	05/23/14	2.3	68.1	0	29.6	169	-0.5	na	
GIW-13	05/27/14	2.1	66.4	0	31.5	169	4.6	na	Increased vac to -0.3 inches
GIW-13	05/28/14	1.8	67.5	0	30.7	169	-6	Y	Decreased vac to -5 inches
GIW-13	05/29/14	1.9	66.3	0	31.8	169	-5	Y	
GIW-13	05/30/14	1.4	67.1	0	31.5	169	-5.7	na	Decreased vac to -5.3 inches
GIW-13	06/02/14	2	67.5	0	30.5	162	-8.5	Y	Decreased vac to -7.7 inches

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-13	06/03/14	1.9	66.4	0	31.7	167	-4.5	N	(replaced 4-way valve, pump operational)
GIW-13	06/04/14	2	66.4	0	31.6	161	-4.7	N	(bad 4-way valve)
GIW-13	06/05/14	1.9	64.4	0	33.7	160	-5.8	N	Decreased vac to -5.4 inches (replaced 4-way valve, pump operational)
GIW-13	06/06/14	2.6	64	0	33.4	164	-3.2	Y	Increased vac to -3.4 inches
GIW-13	06/09/14	4.8	67.7	0	27.5	160	-4.5	N	(replaced pump with a rebuilt one, pump operational)
GIW-13	06/10/14	4.9	66.4	0	28.7	162	-5.1	na	
GIW-13	06/11/14	7.1	64.9	0	28	158	-6.7	N	Decreased vac to -6.1 inches (replaced 4-way valve, pump operational)
GIW-13	06/12/14	8.7	65.6	0	25.7	161	-6.5	Y	Decreased vac to -6.1 inches
GIW-13	06/13/14	7.1	66.2	0	26.7	158	-4.4	Y	
GIW-13	06/16/14	5.2	65.7	0	29.1	165	-3.6	N	Increased vac to -4.4 (replaced cylinder cap, pump operational)
GIW-13	06/17/14	4.2	65.6	0	30.2	160	0.9	Y	Increased vac to -0.1
GIW-13	06/19/14	2.3	66.6	0	31.1	166	-4.5	Y	
GIW-13	06/20/14	2	65.3	0	32.7	167	-2.1	N	Increased vac to -2.8 (replaced 1" rod seal, pump operational)
GIW-13	06/23/14	3.9	65.8	0	30.3	163	-8	Y	Decreased vac to -6.8
GIW-13	06/24/14	3.9	66.4	0	29.7	163	-1.6	Y	Increased vac to -2.4
GIW-13	06/25/14	2.5	65.7	0	31.8	166	-0.1	Y	Increased vac to -1
GIW-13	06/26/14	3.3	64.5	0	32.2	168	-2.4	N	Increased vac to -3.2 (replaced 1" rod seal and 1" female gasket, pump operational)
GIW-13	06/27/14	4.8	66.2	0	29	164	-5.1	Y	
GIW-13	06/30/14	2.1	66.7	0	31.2	167	0	NA	Increased vac to -1.5
GIW-13	07/01/14	2.2	67.5	0	30.3	164	-6.2	NA	Decreased vac to -5.7
GIW-13	07/03/14	2.6	67.6	0	29.8	166	-5.9	NA	Decreased vac to -5.5
GIW-13	07/07/14	2.3	68.2	0	29.5	165	-4.1	Y	
GIW-13	07/08/14	3.3	66.5	0	30.2	164	-5.1	Y	
GIW-13	07/09/14	2.1	67	0	30.9	164	-4.5	Y	
GIW-13	07/10/14	2.6	67.6	0	29.8	166	-5.2	Y	(refilled memo and 4-way oil)
GIW-13	07/11/14	2.7	65.3	0	32	161	-5	Y	
GIW-13	07/14/14	2.2	67.3	0	30.5	166	-4.1	N	(blown 1" rod seal)
GIW-13	07/15/14	2.7	69	0	28.3	160	-7.1	N	Decreased vac to -5.9
GIW-13	07/16/14	2.5	67.7	0	29.8	164	-4	Y	
GIW-13	07/17/14	2.5	68	0	29.5	165	-1	Y	Increased vac to -1.9
GIW-13	07/18/14	2.6	68.1	0	29.3	167	-1.8	Y	Increased vac to -2.7
GIW-13	07/21/14	2.2	68.1	0	29.7	170	-1.2	Y	Increased vac to -1.7
GIW-13	07/22/14	2.3	66.4	0	31.3	169	-4.2	Y	
GIW-13	07/23/14	2.3	68.1	0	29.6	167	-4.5	Y	
GIW-13	07/24/14	2.4	68	0	29.6	167	-5	Y	
GIW-13	07/25/14	2.1	67.7	0	30.2	166	-4.5	Y	
GIW-13	07/28/14	2.5	68.1	0	29.4	164	-4.1	Y	
GIW-13	07/29/14	2.6	65.9	0	31.5	166	-4.2	Y	
GIW-13	07/30/14	2.3	67	0	30.7	170	-2	Y	Increased vac to -2.4
GIW-13	07/31/14	2.4	67.9	0	29.7	171	-1.4	Y	Increased vac to -2.2
GIW-13	08/01/14	2.5	67	0	30.5	171	-4.4	Y	
GIW-13	08/04/14	2.5	65	0	32.5	165	-6.6	Y	Decreased vac to -5.8
GIW-13	08/05/14	2.5	67.1	0	30.4	163	-8.5	Y	Decreased vac to -7.4
GIW-13	08/06/14	2.5	67.2	0	30.3	165	-5	Y	
GIW-13	08/07/14							Y	
GIW-13	08/08/14	2.6	62.6	0	34.8	164	-5	N	(replaced 1" rod seal, pump operational)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-13	08/11/14	2.2	68.3	0	29.5	162	-5	Y	
GIW-13	08/12/14	2.8	68	0	29.2	161	-4.3	Y	
GIW-13	08/13/14	2.4	67.6	0	30	169	-1.7	Y	increased vac to -2.6
GIW-13	08/14/14	2.2	68.3	0	29.5	170	-4.7	Y	
GIW-13	08/15/14	2.3	67.1	0	30.6	169	-5	Y	
GIW-13	08/18/14	2.5	66.7	0	30.8	170	-6.3	Y	Decreased vac to -5.8
GIW-13	08/19/14	2.6	63.7	0	33.7	168	-7.4	Y	Decreased vac to -5.8
GIW-13	08/20/14	2.4	66	0	31.6	166	-5	Y	
GIW-13	08/21/14	2.4	63	0	34.6	164	-5.9	Y	Decreased vac to -5.3
GIW-13	08/22/14	2.5	67.4	0	30.1	168	-4.6	Y	
GIW-13	08/25/14	2.2	66.5	0	31.3	165	-4.1	Y	
GIW-13	08/26/14	2.4	65.8	0	31.8	167	-5	Y	
GIW-13	08/27/14	2.5	66.3	0	31.2	163	-5	Y	
GIW-13	08/28/14	2.6	63.3	0	34.1	165	-4.7	N	(replaced 1" rod seal, pump operational)
GIW-13	08/29/14	2.4	66.7	0	30.9	160	-4.9	Y	
GIW-13	09/01/14							Y	
GIW-13	09/02/14	2.4	64.1	0	33.5	153	-8	Y	Decreased vac to -6.5
GIW-13	09/03/14	2.4	65.2	0	32.4	159	-4	N	(1" rod seal needs to be replaced)
GIW-13	09/04/14	2.8	65.8	0	31.4	151	-4.9	N	(1" rod seal needs to be replaced)
GIW-13	09/05/14	2.2	65.6	0	32.2	155	-4	N	(replaced 1" rod seal, pump operational)
GIW-13	09/08/14							NA	(Not Available due to safe access conditions)
GIW-13	09/09/14							NA	(Not Available due to safe access conditions)
GIW-13	09/10/14							NA	(Not Available due to safe access conditions)
GIW-13	09/11/14							NA	(Not Available due to safe access conditions)
GIW-13	09/12/14							NA	(Not Available due to safe access conditions)
GIW-13	09/15/14							Y	
GIW-13	09/16/14							Y	
GIW-13	09/17/14							Y	
GIW-13	09/18/14							Y	
GIW-13	09/19/14	2.4	67.4	0	30.2	162	-4.2	N	(replaced 1" rod seal, pump operational)
GIW-13	09/22/14	2.2	68.8	0	29	170	4.3	Y	Increased vac to -1.2
GIW-13	09/23/14	1.6	66.7	0	31.7	171	-2.9	Y	Increased vac to -3.8
GIW-13	09/24/14	2.3	70.3	0.1	27.3	172.7	-4.98	Y	
GIW-13	09/25/14	3.9	55.4	0	40.7	164.1	-13.68	Y	Decreased vac to -6.84
GIW-13	09/26/14	2.7	62.8	0.1	34.4	178.3	-4.29	N	(replaced 4-way valve, pump operational)
GIW-13	09/29/14	2.3	60.5	0	37.2	172.2	-14.71	N	Decreased vac to -13.68 (replaced 1/4"x3" four way valve air nipple and replaced 1" rod seal, pump operational)
GIW-13	09/30/14	2.5	61.1	0	36.4	173.8	-8.79	Y	Decreased vac to -7.39
GIW-13	10/01/14	2.8	60.9	0	36.3	171.2	-10.32	Y	Decreased vac to -8.36
GIW-13	10/02/14	5.2	62.6	0	32.2	159.6	-9.65	Y	Decreased vac to -8.42
GIW-13	10/03/14							N	(replaced four way valve, pump operational)
GIW-13	10/06/14	8.5	59.6	0	31.9	142.1	-11.23	N	Decreased vac to -8.85 (replaced four way valve, pump operational)
GIW-13	10/07/14	3.5	60.5	0	36	157	-5.07	Y	
GIW-13	10/08/14							Y	
GIW-13	10/09/14	0.9	54.8	0	44.3	133	-4.96	Y	
GIW-13	10/10/14							Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-13	10/13/14	0.7	70.5	3.2	25.6	116.3	-4.97	Y	
GIW-13	10/14/14							N	(1" rod seal needs replaced)
GIW-13	10/15/14	2.8	65	0	32.2	123	-3.9	N	(1" rod seal needs replaced)
GIW-13	10/16/14	2.5	55.9	3.4	38.2	143	-1.3	N	Decreased vac to -0.9 (1" rod seal needs replaced)
GIW-13	10/17/14	2.9	64	0.4	32.7	132	-4.1	N	(1" rod seal needs replaced)
GIW-13	10/20/14	3	67.6	0	29.4	131	-4.5	Y	
GIW-13	10/21/14	2.2	66.2	0	31.6	141	-1.1	Y	Increased vac to -3.8
GIW-13	10/22/14	2.2	66.8	0	31	150	1.4	Y	Increased vac to -1.8
GIW-13	10/23/14	2.2	67.9	0	29.9	144	-0.2	N	Increased vac to -1.8 (replaced the blackhawk pump, pump operational)
GIW-13	10/24/14	2.5	69.4	0.2	27.9	158	-2.5	Y	
GIW-13	10/27/14	3.9	66.1	0	30	156	-9.3	N	Decreased vac to -8.7 (Replaced Blackhawk - pump operational)
GIW-13	10/28/14	3.3	68.5	0	28.2	171	3.3	Y	Increased vac to -0.1
GIW-13	10/29/14	2.6	66.3	0	31.1	151	-12.2	Y	Decreased vac to -8.7
GIW-13	10/30/14	3.6	67.9	0	28.5	172	7.1	Y	Increased vac to -0.2
GIW-13	10/31/14	3.1	68.2	0	28.7	161	-8.2	Y	Decreased vac to -7.4
GIW-13	11/03/14	2.5	70.5	0.3	26.7	168	-8.2	Y	Decreased vac to -5.7
GIW-13	11/04/14	2.1	71.5	0.4	26	158	-9.3	Y	Decreased vac to -6
GIW-13	11/05/14	2.4	68.2	0	29.4	171	3	N	Increased vac to -1.8 (Replaced 1" rod seal, pump operational)
GIW-13	11/06/14							Y	
GIW-13	11/07/14	2.5	64.2	0	33.3	170	-4.6	N	(Replaced four way valve, pump operational)
GIW-13	11/10/14							N	(Replaced 1" rod seal and 1 1/4 cam gasket, pump operational)
GIW-13	11/11/14							Y	
GIW-13	11/12/14	3	69.6	0	27.4	165	-7.7	Y	Decreased vac to -4.4
GIW-13	11/13/14							Y	
GIW-13	11/14/14	2.9	68.6	0	28.5	170	-4.2	Y	

GIW-13 Wellhead Temperatures