SCHLUMBERGER

POTECLINOMETER CONTINUOUS DIPMETER (COMPUTED)

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

157-20003

COUNTY	PERRY
FIELD or LOCATION	WILD CAT N/A
WELL	HUGO ROTH # 1
COMPANY	MISS. RIVER TRANS

COMPANY MISSISSIPPI RIVER TRANSMISSION CORP.
WELL HUGO ROTH NO. 1
FIELD WILDCAT
COUNTY PERRY STATE MISSOURI
LOCATION NA
Other Services: LL-GR
Sec. 6 Twp. 34N Rge. 14E

Permanent Datum: GL, Elev. 363.5
Log Measured From KB, 4.5 Ft. Above Perm. Datum
Drilling Measured From KB
Elev.: K.B. 368 D.F. G.L. 363.5

Date	9-25-66			
Run No.	ONE			
Depth—Driller	3912			
Depth—Logger	3919			
Btm. Log Interval	3916			
Top Log Interval	50			
Casing—Driller	@ 45	@	@	@
Casing—Logger	----			
Bit Size	8 3/4"			
Type Fluid in Hole	GEL			
Dens. / Visc.	8.9 / 57			
pH / Fluid Loss	N/A / N/A ml	ml	ml	ml
Source of Sample				
R_m @ Meas. Temp.	5.18 @ 78 °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	---- @ -- °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	---- @ -- °F	@ °F	@ °F	@ °F
Source: R_{mf} / R_{mc}				
R_m @ BHT	---- @ -- °F	@ °F	@ °F	@ °F
Time Since Circ.				
Max. Rec. Temp.	---- °F	°F	°F	°F
Equip. / Location	3002 / LIN.			
Recorded By	POTTER			
Witnessed By	THOMAS			

FOLD HERE

Changes in Mud Type or Additional Samples			
Date / Sample No.			
Depth—Driller			
Type Fluid in Hole			
Dens. / Visc.			
ph / Fluid Loss		ml	ml
Source of Sample			
R_m @ Meas. Temp.		@ °F	@ °F
R_{mf} @ Meas. Temp.		@ °F	@ °F
R_{mc} @ Meas. Temp.		@ °F	@ °F
Source: R_{mf} / R_{mc}			
R_m @ BHT		@ °F	@ °F
R_{mf} @ BHT		@ °F	@ °F
R_{mc} @ BHT		@ °F	@ °F

Run No.	1	2	3	4
Tool Type				
DCM No.				
Magnetic Declination	5° EAST			
Analog Panel No.				
Digital Panel No.				
Correlated By	LYNN, TRAW			
Computed By	IBM 1620			
Plotted By	CAL COMP			
Remarks --	JOB NO. 403			

"Any directional computations made from the dipmeter log must be regarded as approximate only. This is because the dipmeter log indicates the orientation of the instrument itself, rather than the direction and amount of the wall drift. Therefore, we do not and cannot guarantee the accuracy of such directional computations, and we shall not be liable or responsible for any loss, costs, damages or expenses incurred or sustained that may result from any such computations."

TABLE OF VERTICAL DISPLACEMENT IN FEET CORRESPONDING TO VARIOUS HORIZONTAL DISTANCES AND ANGLES OF DIP

DIP ANGLES (degrees)	100'	1000'	1 mile (5280')	DIP ANGLES (degrees)	100'	1000'	1 mile (5280')
1	1.75	17.5	92.2	19	34.4	344.	1818.
2	3.5	35.	184.	20	36.4	364.	1922.
3	5.2	52.	277.	21	38.4	384.	2027.
4	7.0	70.	369.	22	40.4	404.	2133.
5	8.8	88.	462.	23	42.5	425.	2241.
6	10.5	105.	555.	24	44.5	445.	2351.
7	12.3	123.	648.	25	46.6	466.	2462.
8	14.1	141.	742.	30	57.7	577.	3048.
9	15.8	158.	836.	35	70.0	700.	3697.
10	17.6	176.	931.	40	83.9	839.	4430.
11	19.4	194.	1026.	45	100.0	1000.	5280.
12	21.3	213.	1122.	50	119.2	1192.	6293.
13	23.1	231.	1219.	55	142.8	1428.	7540.
14	24.9	249.	1316.	60	173.2	1732.	9145.
15	26.8	268.	1415.	65	214.4	2144.	11323.
16	28.7	287.	1514.	70	274.8	2748.	14507.
17	30.6	306.	1614.	75	373.2	3732.	19705.
18	32.5	325.	1716.	80	567.1	5671.	29945.

To obtain vertical displacements corresponding to multiples of hundreds feet, thousands of feet or miles, multiply the number found in the table by the number of hundreds, thousands or miles.

Example: The formation dip is 16 degrees. The vertical displacement occurring at a spot 660 feet away from the well is desired. The table shows 28.7 feet per 100 feet for 16° dip. Therefore 28.7 x 6.60 = 189.42, or 189. feet.

GRAPHIC PRESENTATION

DEPTHS | TRUE DIP ANGLE 0° 10° 20° 30° 40° 50° 60° 70° 80° 90° | DEPTH INTERVAL | TRUE DIP & TRUE DIP DIRECTION | DRIFT & TRUE DRIFT DIRECTION OF SONDE 0° 10°

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COMPANY MISSISSIPPI RIVER TRANSMISSION CORP.
WELL HUGO ROTH NO. 1
FIELD WILDCAT
COUNTY PERRY STATE MISSOURI
Rm 5.18 @ 78 °F
Rmf ---- @ -- °F
Rmc ---- @ -- °F
BHT --- °F
SWSC FR 3916
SWSC TD 3919
DRLR TD 3912
Elev: KB 368 DF GL 363.5