Company	COLT ENERGY, INC.
Well	NORTH RINDEN # 71 FI
Field	
County	JACKSON
State	MISSOURI
Location	API # 1 - 095 - 21412 Sec 15 Twp 47 N Rge 31 W
Other Services	Gamma Ray, Neutron, Density, Caliper, Micro, Dipmeter, Borehole Televiewer, Cement Bond, Temperature, Spectral Density Dual Spaced Neutron
Permanent Datum	GL Elev. 1000
Log Measured From	KB 10.00 Above Perm. Datum
Drilling Measured From	KB
Date	10-26-90
Run Number	ONE
Depth Driller	1374
Depth Logger	1372
Bottom Logged Interval	1370
Top Logged Interval	SURFACE
Casing Driller	8 5/8 @ 30.00
Casing Logger	8 5/8 @ 30.00
Bit Size	7 7/8
Type Fluid in Hole	GEL CHEM
Density	9.0
Viscosity	45
Fluid Loss	8.0
Source of Sample	FLOWLINE
Rm @ Meas. Temp.	.700 @ 75.00
Rmf @ Meas. Temp.	.500 @ 75.00
Rmc @ Meas. Temp.	.900 @ 75.00
Source Rmf / Rmc	MEASURED / CALCULATED
Rm @ BHT	.400 @ 120.00
Time Since Circulation	12 HRS
Time on Bottom	10:00 AM
Max. Rec. Temp.	120
Equipment - Location	0308 - CHANUTE
Recorded By	BR. HEDLICK
Witnessed By	

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Company COLT ENERGY, INC.
Well NORTH RINDEN # 71 FI
Field
County JACKSON
State MISSOURI
Location API # 1 - 095 - 21412 Sec 15 Twp 47 N Rge 31 W
Other Services Gamma Ray, Neutron, Density, Caliper, Micro, Dipmeter, Borehole Televiewer, Cement Bond, Temperature, Spectral Density Dual Spaced Neutron
Permanent Datum GL Elev. 1000
Log Measured From KB 10.00 Above Perm. Datum
Drilling Measured From KB
Date 10-26-90
Run Number ONE
Depth Driller 1374
Depth Logger 1372
Bottom Logged Interval 1370
Top Logged Interval SURFACE
Casing Driller 8 5/8 @ 30.00
Casing Logger 8 5/8 @ 30.00
Bit Size 7 7/8
Type Fluid in Hole GEL CHEM
Density 9.0
Viscosity 45
Fluid Loss 8.0
Source of Sample FLOWLINE
Rm @ Meas. Temp. .700 @ 75.00
Rmf @ Meas. Temp. .500 @ 75.00
Rmc @ Meas. Temp. .900 @ 75.00
Source Rmf / Rmc MEASURED / CALCULATED
Rm @ BHT .400 @ 120.00
Time Since Circulation 12 HRS
Time on Bottom 10:00 AM
Max. Rec. Temp. 120
Equipment - Location 0308 - CHANUTE
Recorded By BR. HEDLICK
Witnessed By

DUAL INDUCTION LOGARITHMIC

SEC. 15 T. 47 N. R. 31 W.

Courtesy of Kansas Geological Society

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

OWZ-7948

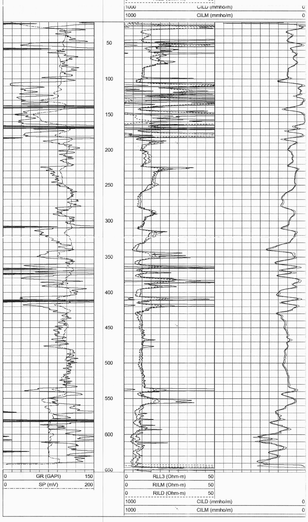
CREW : JOHNSON, ROBINSON

PERMIT # 095-21412

2" DIL SECTION

Database File: owz-7948.colt energy .db
Dataset Pathname: DILpass1.8
Presentation Format: dil2mdod
Dataset Creation: Fri Oct 21 14:13:18 2011 by Calc SOC 110722
Charted by: Depth in Feet scaled 1:600

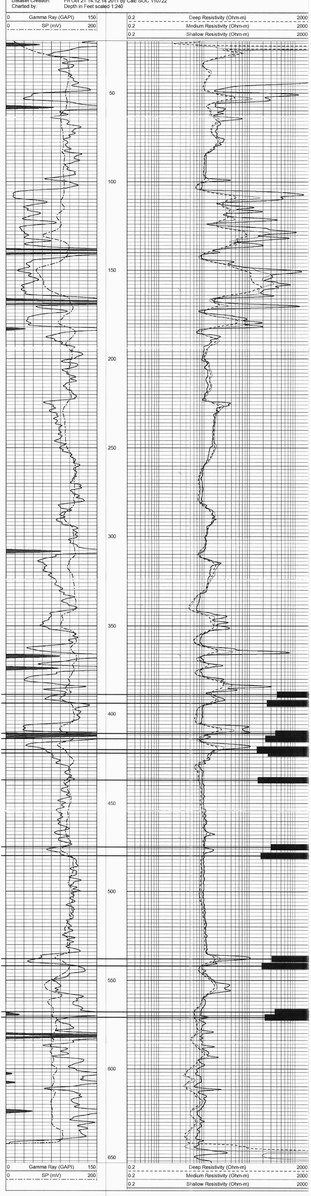
0	GR (GAPI)	150	
0	SP (mV)	200	
0	RLL3 (Ohm-m)	50	
0	RILM (Ohm-m)	50	
0	RILD (Ohm-m)	50	
1000	CILD (mmho/m)	0	
1000	CILM (mmho/m)	0	



5" DIL SECTION

Database File: owz-7948.colt energy .db
Dataset Pathname: DILpass1.7
Presentation Format: dil5mdod
Dataset Creation: Fri Oct 21 14:12:54 2011 by Calc SOC 110722
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	
0	SP (mV)	200	
0.2	Deep Resistivity (Ohm-m)	2000	
0.2	Medium Resistivity (Ohm-m)	2000	
0.2	Shallow Resistivity (Ohm-m)	2000	



Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CableHead Isolation Sub	1.42	3.00	20.00
CILD SP	10.92 10.92		DIL-GEAR (158) Dual Induction Electrical Log	20.08	4.00	345.00
CILM	7.00					
RLL3	1.67					

Dataset: owz-7948.colt energy .db: fsrdrlwd/DILpass1
Total Length: 21.50 ft
Total Weight: 365.00 lb
O.D.: 4.00 in