Company	H.E.D.EXPLORATION LLC.
Lease	HERRMAN #1
Field	VALNUT CREEK
County	BARTON
State	KANSAS

MICRO LOG

Company	H.E.D.EXPLORATION LLC.
Lease	HERRMAN #1
Field	VALNUT CREEK
County	BARTON
State	KANSAS
Location	2310' FSL & 2310' FEL
	SEC. 1 - T16S - R13W
	38.6625 - 98.8333
	Elev. GL 1900 KB 1909
	DF 1907
	Date 10-05-2016
	Job Number 1347hd
	Logged By Chad Chance
	Drilling Contractor Red Tiger Drilling
	Bit Size 7 7/8"
	Type Fluid Chemical
	Density 9.2
	Viscosity 52
	Fluid Loss 8.4
	Source of Sample Circulation
	Rm @ Meas. Temp. 0.64 @ 80
	Rmf @ Meas. Temp. 0.48 @ 80
	Rmc @ Meas. Temp. 0.85 @ 80
	Source Rmf & Rmc Mud
	Rm @ BHT 0.36 @ 120
	Time Since Circ. 12 hrs
	Max. Rec. Temp. 120
	Equipment No. 3
	Location Hays
	Recorded By Chance
	Witnessed By Bryant

Field Notes :::

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

THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS:
HOISINGTON SOUTH TO NW 50 RD TO
WASHINGTON ST. SOUTH 1.5 MILES
WEST INTO.

MAIN PASS

Database File: 1347hd.db
Dataset Pathname: pass1.1
Presentation Format: micro
Dataset Creation: Sun Feb 05 21:11:17 2017 by Calc SOC 120400
Charted by: Depth in Feet scaled 1:240

0 GAMMA RAY (GAPI) 150 ABHV 0 MEL1.5 (Ohm-m) 40
6 CALIPER (in) 16 16 (R3) 0.0 MEL 20 (Ohm-m) 40
0 MRAM 20 TBHV
0 (R3) 50

0 GAMMA RAY (GAPI) 150 ABHV 0 MEL1.5 (Ohm-m) 40
6 CALIPER (in) 16 16 (R3) 0.0 MEL 20 (Ohm-m) 40
0 MRAM 20 TBHV
0 (R3) 50

REPEAT SECTION

Database File: 1347hd.db
Dataset Pathname: pass1.1
Presentation Format: micro
Dataset Creation: Sun Feb 05 21:04:30 2017 by Calc SOC 120400
Charted by: Depth in Feet scaled 1:240

0 GAMMA RAY (GAPI) 150 ABHV 0 MEL1.5 (Ohm-m) 40
6 CALIPER (in) 16 16 (R3) 0.0 MEL 20 (Ohm-m) 40
0 MRAM 20 TBHV
0 (R3) 50

0 GAMMA RAY (GAPI) 150 ABHV 0 MEL1.5 (Ohm-m) 40
6 CALIPER (in) 16 16 (R3) 0.0 MEL 20 (Ohm-m) 40
0 MRAM 20 TBHV
0 (R3) 50

Calibration Report

Database File: 1347hd.db
Dataset Pathname: pass1.1
Dataset Creation: Sun Feb 05 21:04:30 2017 by Calc SOC 120400

MICRO Calibration Report

Serial Number	070510
Tool Model Performed	Probe1
	Thu Dec 22 12:35:07 2016
Caliper Calibration	Gain=5.251 Offset=-0.684
References	Low Cal High Cal
Readings	7.000 15.000
	1.473 3.170
1.5" Calibration	Gain=36.000 Offset=0.300
References	Low Cal High Cal
Readings	0.000 20.000
	0.000 1.219
2" Calibration	Gain=40.000 Offset=0.000
References	Low Cal High Cal
Readings	0.000 20.000
	0.002 1.053

Gamma Ray Calibration Report

Serial Number	070510
Tool Model Performed	URS3_GR
	Thu Dec 22 15:48:08 2016
Calibrator Value	1.0 GAPI
Background Reading:	0.0 cps
Calibrator Reading:	1.0 cps
Sensitivity	0.2206 GAPI/cps