Company	MAI OIL OPERATIONS, INC.
Well	RICHARD FAMILY PARTNERSHIP #1
Field	AKERS
County	BARTON
State	KANSAS

MICRO LOG

Company MAI OIL OPERATIONS, INC.
Well RICHARD FAMILY PARTNERSHIP #1
Field AKERS
County BARTON State KANSAS
Location 1320' FSL & 1770' FWL
SEC. 31 TWP. 16S RGE. 15W API#15-009-25600-0000
Elev. Perm. KB 1907 Log Measured From KB Drilling Measured From KB
Date 10-Oct-2015 Run Number ONE
Depth-Driller 3410 Depth-Logger 3411
Bottom Log Interval 3400 Top Log Interval 2700
Casing-Driller 8.625 @ 224 Casing-Logger
Bit Size 7.875 Type Fluid LSND
Density 9.0 Viscosity 58
PH 9.0 Fluid Loss 6.0
Source of Sample FLOWLINE
Rm @ Meas Temp 1.74 @ 75.0 Rmf @ Meas Temp 1.31 @ 75.0
Rmc @ Meas Temp 1.06 @ 75.0 Source: Rmf Rmc CALCULATED
Rm @ BHT 0.91 @ 110.0
Time Since Circ. 5 HRS Max. Rec. Temp. 110 F
Equipment - Location EMPORIA - 1
Recorded By D. HAMPTON
Witnessed By MR. BRAD KRAUSE

>>> 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, except in the case of gross or willful negligence on our part, 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.

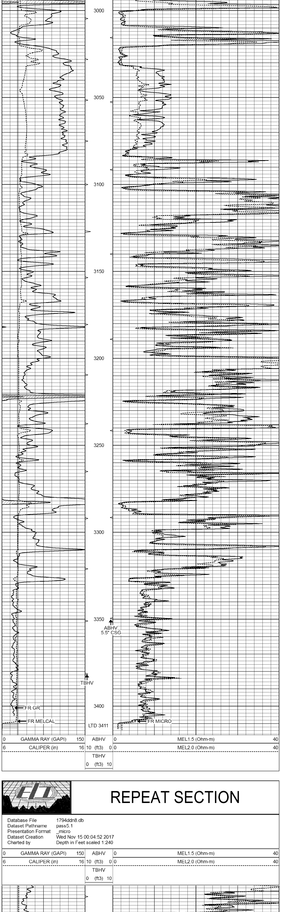
Comments

THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
HOISINGTON, KS. - 2 EAST - 18 MILE NORTH - EAST INTO

MAIN SECTION

Database File 17f4dpdd.db
Dataset Pathname pass1.1
Presentation Format micro
Dataset Creation Wed Nov 15 00:06:20 2017
Charted by Depth in Feet scaled 1:240

0 GAMMA RAY (GAPI) 150 ABHV 0 MEL1.5 (Ohm-m) 40
6 CALIPER (in) 16 10 (ft3) 0 0 MEL2.0 (Ohm-m) 40
TBHV
0 (ft3) 10

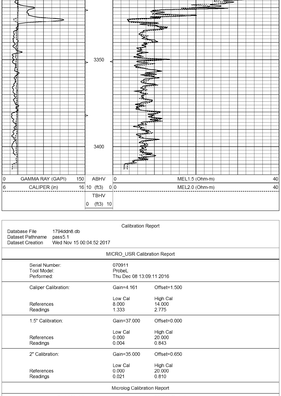


0 GAMMA RAY (GAPI) 150 ABHV 0 MEL1.5 (Ohm-m) 40
6 CALIPER (in) 16 10 (ft3) 0 0 MEL2.0 (Ohm-m) 40
TBHV
0 (ft3) 10

REPEAT SECTION

Database File 17f4dpdd.db
Dataset Pathname pass5.1
Presentation Format micro
Dataset Creation Wed Nov 15 00:04:52 2017
Charted by Depth in Feet scaled 1:240

0 GAMMA RAY (GAPI) 150 ABHV 0 MEL1.5 (Ohm-m) 40
6 CALIPER (in) 16 10 (ft3) 0 0 MEL2.0 (Ohm-m) 40
TBHV
0 (ft3) 10



0 GAMMA RAY (GAPI) 150 ABHV 0 MEL1.5 (Ohm-m) 40
6 CALIPER (in) 16 10 (ft3) 0 0 MEL2.0 (Ohm-m) 40
TBHV
0 (ft3) 10

Calibration Report

Database File 17f4dndd.db
Dataset Pathname pass5.1
Dataset Creation Wed Nov 15 06:04:52 2017

MICRO_USR Calibration Report

Serial Number:	070911
Tool Model:	ProSet.
Performed:	Thu Dec 08 13:09:11 2016

Caliper Calibration: Gain=4.161 Offset=1.506

	Low Cal	High Cal
References	6.000	14.000
Readings	1.333	2.173

1.5" Calibration: Gain=37.000 Offset=0.000

	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	0.843

2" Calibration: Gain=35.000 Offset=0.650

	Low Cal	High Cal
References	0.000	20.000
Readings	0.021	0.810

Microlog Calibration Report

Serial-Model:	070911-ProSet.
Performed:	Sat Apr 11 01:13:01 2015

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m	b
Normal	0.0002	0.4836	V	0.0000	10.0000	Ohm-m	20.6908	-0.0051
Inverse	0.0018	0.6297	V	0.0000	10.0000	Ohm-m	15.8263	-0.0282
Caliper	0.0000	1.0000	V	0.0000	1.0000	in	1.0000	0.0000

Gamma Ray Calibration Report

Serial Number:	7
Tool Model:	ProSet-1
Performed:	Wed Jun 29 11:10:58 2016
Calibrator Value:	1.0 GAPI
Background Reading:	0.0 cps
Calibrator Reading:	1.0 cps
Sensitivity:	0.4300 GAPI/cps