SUPERIOR WELL SERVICES

SUPERIOR
Hays, Kansas

COMPENSATED DENSITY/NEUTRON LOG

Company CAPTIVA II
Well EAKIN #6-7
Field LARNED WEST
County PAWNEE
State KANSAS

Company CAPTIVA II
Well EAKIN #6-7
Field LARNED WEST
County PAWNEE State KANSAS

Location: API # : 15-145-21657-0000
2335' FNL & 745' FEL

SEC 7 TWP 22S RGE 16W

Other Services
DIL/MEL
SONIC

Permanent Datum	GROUND LEVEL	Elevation	2006
Log Measured From	KELLY BUSHING 11' A.G.L.		
Drilling Measured From	KELLY BUSHING		

Elevation
K.B. 2017
D.F. 2015
G.L. 2006

Date	11/25/11		
Run Number	ONE		
Depth Driller	4001		
Depth Logger	4005		
Bottom Logged Interval	3981		
Top Log Interval	3000		
Casing Driller	8 5/8" @ 1038'		
Casing Logger	1038		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 9500 PPM	
Density / Viscosity	9.2/62		
pH / Fluid Loss	11.5/8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.48 @ 75F		
Rmf @ Meas. Temp	.36 @ 75F		
Rmc @ Meas. Temp	.57 @ 75F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.31 @ 116F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	116F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	BRUCE ARD		

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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 SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS
LARNED, KS. - SW ON HWY 56 ACROSS PAWNEE RIVER BRIDGE - 1/2 MILE PAST BRIDGE
1/2 MILE SOUTH - W. INTO

MAIN SECTION

SUPERIOR
Hays, Kansas

SUPERIOR WELL SERVICES

Database File: 008091ddn.db
Dataset Pathname: pass3.1
Presentation Format: _den_neu
Dataset Creation: Fri Nov 25 20:28:42 2011 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)		-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)		-10
0	MINMK	20	BVTX			-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10				

3200
3250
3300
3350

3400
3450
3500
3550
3600

3650
3700
3750
3800

SUPERIOR WELL SERVICES

SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File: 008091ddn.db
Dataset Pathname: pass2.1
Presentation Format: _den_neu
Dataset Creation: Fri Nov 25 19:55:30 2011 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)		-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)		-10
0	MINMK	20	BVTX			-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10				

SUPERIOR WELL SERVICES

SUPERIOR
Hays, Kansas

2.81 DOLOMITE MATRIX

Database File: 008091ddn.db
Dataset Pathname: pass2.4
Presentation Format: _den_neu
Dataset Creation: Fri Nov 25 20:04:36 2011
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)		-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)		-10
			BVTX			-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10				

3900
3950
4000
0 GAMMA RAY (GAPI) 150
6 CALIPER (in) 16
AVTX
10 (ft3) 0
BVTX
0 (ft3) 10
30 COMPENSATED DENSITY (pu) -10
30 COMPENSATED NEUTRON (pu) -10
-0.25 CORRECTION (g/cc) 0.25