

Company	O'BRIEN RESOURCES, LLC.		
Well	SKUNKHOLLOW 19 #1		
Field	WILD CAT		
County	LANE		
State	KANSAS		
Location:	Well	Company	O'BRIEN RESOURCES, LLC.
	SKUNKHOLLOW 19 #1		
	WILD CAT		
	LANE		
	LANE	State	KANSAS
Permanent Datum	SEC 19	API #:	15-101-22371-0000
Log Measured From	TWP 16S RGE 29W	Other Services	DILMEL SONIC
Bottom Logged Interval	GROUND LEVEL	Elevation	2776
	KELLY BUSHING 11' A.G.L.	K.B. 2787	
		G.L. 2785	
Run Number	ONE		
Depth Driver	4540		
Depth Logger	4542		
Bottom Logged Interval	4518		
Top Log Interval	3800		
Caseing Outer	8.56 @ 281'		
Caseing Inner	7.75 @ 281'		
Size	7.75		
Time Fluid in Hole			
Density/Viscosity			
pH / Fluid Loss	9.3562	CHEMICAL MUD	CHLORIDES 3.900 PPM
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	650 @ 90°F		
Rm @ Meas. Temp	638 @ 90°F		
Source of Rm / Rmc	MEASUREMENT		
Rm @ BHT	1.02 @ 90°F		
Time Circulation Stopped	6:22 @ 12:15		
Maximum recorded temperature	7:15 AM		
Equipment Number	121H		
Education	4/10		
Checked By	HAY S SERVICES		
Checked By	JEFF TAYLOR		
Checked By	KURT TALBOT		

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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 HAYS, KANSAS (785) 628-6395

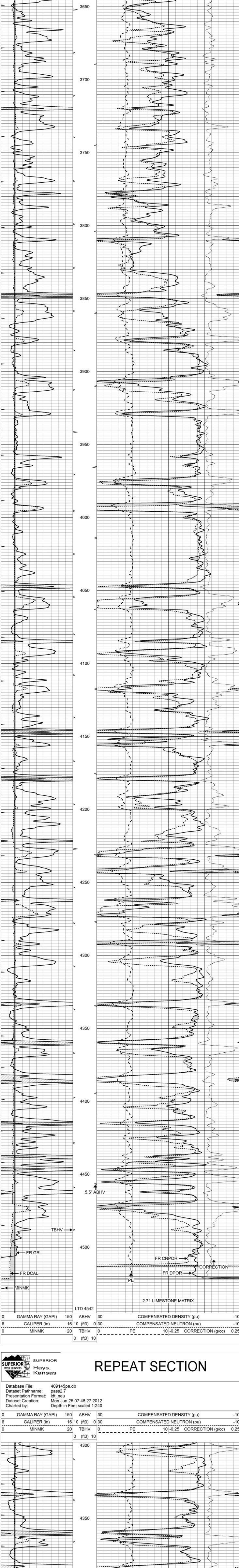
DIRECTIONS

HEALY, KS. 4E. ON HWY 4 TO "HICKOCK RD.", 4N. TO "RD. 275". 1 1/2 W. TO "GAGE RD.", 1/2 S., VEER THROUGH CATTLE GUARD, 1/2 W. & S. INTO

SUPERIOR
WELL SERVICES
Hays, Kansas

MAIN SECTION

Database File: 409145pe.db
 Dataset Pathname: pass3.6
 Presentation Format: ldt_neu
 Dataset Creation: Mon Jun 25 08:58:55 2012 by Calc Open-Cased 110302
 Charted by: Depth in Feet scaled 1:240

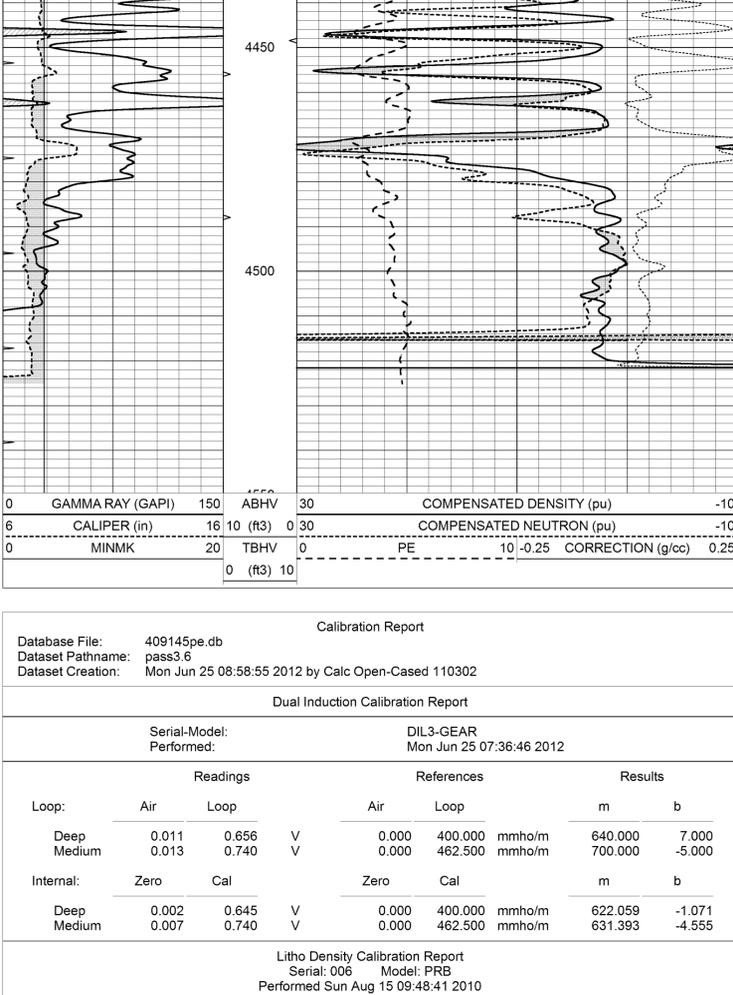


0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV	0	PE	10 -0.25 CORRECTION (g/cc) 0.25
0			0 (ft3)	10		

SUPERIOR
WELL SERVICES
Hays, Kansas

REPEAT SECTION

Database File: 409145pe.db
 Dataset Pathname: pass2.7
 Presentation Format: ldt_neu
 Dataset Creation: Mon Jun 25 07:48:27 2012
 Charted by: Depth in Feet scaled 1:240



Calibration Report

Database File: 409145pe.db
 Dataset Pathname: pass3.6
 Dataset Creation: Mon Jun 25 08:58:55 2012 by Calc Open-Cased 110302

Dual Induction Calibration Report

Serial-Model-Performed: DIL3-GEAR
 Mon Jun 25 07:36:46 2012

Loop:	Readings		References		Results	
	Air	Loop	Air	Loop	m	b
Deep	0.011	0.656	0.000	400.000	640.000	7.000
Medium	0.013	0.740	0.000	462.500	700.000	-5.000
Internal:	Zero	Cal	Zero	Cal	m	b
Deep	0.002	0.645	0.000	400.000	622.059	-1.071
Medium	0.007	0.740	0.000	462.500	631.393	-4.555

Litho Density Calibration Report

Serial: 006 Model: PRB
 Performed Sun Aug 15 09:48:41 2010

Litho Density Calibration		Magnesium	Aluminum	Sandstone	
Window 1	1686.6	11612.8	3932.0	12718.8	cps
Window 2	1531.4	9204.7	3267.8	9851.9	cps
Window 3	1198.3	4733.6	1952.5	4920.6	cps
Window 4	317.3	321.2	325.9	303.6	cps
Long Space	0.0	7873.3	1736.4	8320.4	cps
Short Space	1.7	2548.5	1657.2	2628.8	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	
Rib Angle	: 43.8	Rib Slope	: 0.961	Density/Spine Ratio	: 0.569
Spine Angle	: 73.8	Spine Slope	: 3.453	Spine Intercept	: -18.1

Caliper		Reference
Low Ref	Readings 4.0	8.8
High Ref	5.9	15.0
	Gain: 3.2	Offset: -4.0

Compensated Neutron Calibration Report

Serial Number: 070808
 Tool Model: Probe

PRE-SURVEY VERIFICATION

Detector	Readings	Measured	Target
Short Space	cps	pu	pu
Long Space	cps	pu	pu

POST-SURVEY VERIFICATION

Detector	Readings	Measured	Target
Short Space	cps	pu	pu
Long Space	cps	pu	pu

Gamma Ray Calibration Report

Serial Number: 070559
 Tool Model: OPEN_GR
 Performed: Wed Jun 20 19:26:40 2012

Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.3000	GAPI/cps