CEMENT BOND, V.D.L. GAMMA-RAY & C.C.L.

PSI PHOENIX SURVEYS, INC.

Company	GREAT WESTERN OIL & GAS LLC.
Well	JBL 34-43
Field	WATTENBERG
County	WELD
State	COLO.

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Well JBL 34-43
Field WATTENBERG
County WELD State COLO.
Location: API # : 05-123-35267-0000
SHL: 1534' FSL & 1576' FEL NW SE
BHL: 1970' FSL & 769' FEL NW SE
SEC 34 TWP 7N RGE 67W

Other Services

Permanent Datum	GL	Elevation 4948	Elevation: K.B. 4964, D.F. 4963, G.L. 4948
Log Measured From	KB		
Drilling Measured From	KB		

Date	5-9-12
Run Number	1
Depth Driller	7469
Depth Logger	7417
Bottom Logged Interval	7405
Top Log Interval	1685
Open Hole Size	7 7/8"
Type Fluid	
Density / Viscosity	
Max. Recorded Temp.	230
Estimated Cement Top	2032
Time Well Ready	ROA
Time Logger on Bottom	
Equipment Number	24
Location	FORT MORGAN
Recorded By	NATHAN BIVENS
Witnessed By	SHAWN ARMSTRONG

Borehole Record			Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	4.5"	11.6#		
Liner				

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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

CORRELATED TO OPEN HOLE LOG RAN ON 4-23-12

74 &21 WEST .3 NORTH .5

NORTH X 0 0 SOUTH

S.O. # 2-202792

THANK YOU FOR USING PIONEER WIRELINE

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			SDSCHD Cable Head for Testing	1.00	1.44	1.00
			cent.-Probe (cent) probe cent.	2.88	2.75	25.00
WVF3	12.48		CBL-Probe (110215) 2.75 digital probe	8.75	2.75	106.50
WVF5	11.48					
			cent.-Probe (cent) probe cent.	2.88	2.75	25.00
CCL	4.13		CCL-Probe (081119)	2.02	2.75	
GR	0.79		GR-Probe275dig (110249) Probe Digital Gamma-Ray	3.33	2.75	57.00

Dataset: gw 3.db: field/well/run1/pass2
Total Length: 20.85 ft
Total Weight: 214.50 lb
O.D. 2.75 in

Database File: gw 3.db
Dataset Pathname: pass3
Presentation Format: cbl_dr
Dataset Creation: Wed May 09 15:53:31 2012
Charted by: Depth in Feet scaled 1:240

9	Collar Locator	-1	0	Amplified Amplitude (mV)	10	200	Variable Density	1200
0	Gamma Ray (GAPI)	125	0	Amplitude (mV)	100			

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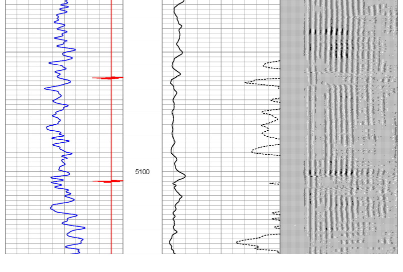
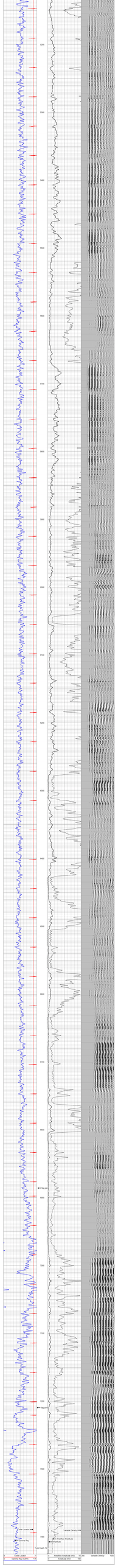
0	Gamma Ray (GAPI)	125	0	Amplitude (mV)	100			

Database File: gw 3.db
Dataset Pathname: pass2
Presentation Format: cbl_dr
Dataset Creation: Wed May 09 11:05:11 2012 by Log Std Casedhole 09061
Charted by: Depth in Feet scaled 1:240

9	Collar Locator	-1	0	Amplified Amplitude (mV)	10	200	Variable Density	1200
0	Gamma Ray (GAPI)	175	0	Amplitude (mV)	100			




Total Length
Total Depth
Amplitude Threshold (mV)
Amplitude (mV)
Variable Density Log
Amplitude
Variable Density