Company	WORLD ENERGY INC.
Well	LOFTUS 6X-6-19H
Field	WITTENBERG
County	SAUNDERS
State	WYOMING

NABORS COMPLETION & PRODUCTION SERVICES

GAMMA RAY CCL CEMENT BOND SECTOR VDL

Company	WORLD ENERGY INC.
Well	LOFTUS 6X-6-19H
County	SAUNDERS
Field	WITTENBERG
State	WYOMING
Location	SEC 6 T19N R104W
Permanent Datum	GROUND LEVEL
Elevation	4,500 ft
Log Measured From	KELLY BUSHING
Drilling Measured From	KELLY BUSHING
Elevation	4,525 ft
Elevation	4,500 ft
Elevation	4,500 ft
Date	10/13/2014
Run Number	ONE
Depth Driller	9,500 ft
Depth Logger	9,500 ft
Bottom Logged Interval	9,500 ft
Top Logged Interval	0 ft
Type Fluid in Hole	WATER
Salinity	0 PPM
Density	8.33 LB/GAL
Level	FULL
Max Recorded Temperature	0 DEGF
Estimated Cement Top	0 ft
Time Since Circulation	0 HRS
Time on Bottom	10/13/2014
Unit Number	1
Recorded By	J. SMITH
Witnessed By	T. JONES

Run	Service Order	Bit	From	To	Hole Size	Casing Size	Weight	Grade	Top	Bottom
ONE	3-1		SURFACE	9,500 ft	7.875 in	4.5 in	11.6 LB/FT	P-110	0 ft	9,500 ft

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 interpretations, 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

TIOGA 636 CASSIDAY ACRES1
LOG CORRELATED TO NABORS GAMMA RAY CCL
CEMENT BOND SECTOR VDL DATED NOVEMBER 26, 2013
WCR 304 & WCR 36, 3,3, E INTO
SECOND WELL FROM THE EAST OF 5 WELL PAD

Database File	swiftwr 4Q1-6S-19W-third log.db
Dataset Pathname	swiftwr/
Presentation Format	swiftwr2
Dataset Creation	Mon Nov 10 07:22:07 2014 by Log SCH 133400
Charted by	Depth in Feet scaled 1:240

	Cal (calIN)			SWPM1N	100,000	WAFSFT	1000A	Electric Ampl.	0
400	TT3FT (usec)	200	0	AMPSV1N	100				
10	CCL	-0.5	0	AMPM1N	100				
			0	AMPSFT (uin)	100				

FLOC LEVEL

SQUEEZE HOLE?

	Cal (calIN)			SWPM1N	100,000	WAFSFT	1000A	Electric Ampl.	0
400	TT3FT (usec)	200	0	AMPSV1N	100				
10	CCL	-0.5	0	AMPM1N	100				
			0	AMPSFT (uin)	100				

Database File	swiftwr 4Q1-6S-19W-third log.db
Dataset Pathname	swiftwr/
Dataset Creation	Mon Nov 10 07:22:07 2014 by Log SCH 133400

Gamma Ray Calibration Report

Tuner / Serial: Probe2/Tray: 101610

SHOP CALIBRATION

Tue Feb 25 11:27:30 2014

	Counts/Sec	Gain	Offset	Alg	Units
Background	0.0				GPI
Calibrator	1.0				GPI
		0.4000			GAPI/cps

PRIMARY VERIFICATION

Background	0.0				GPI
Calibrator	0.0				GPI
Difference			0.0		GAPI

BEFORE SURVEY VERIFICATION

Background	0.0				GPI
Calibrator	0.0				GPI
Difference			0.0		GAPI

AFTER SURVEY VERIFICATION

Background	0.0				GPI
Calibrator	0.0				GPI
Difference			0.0		GAPI

Segmented Cement Bond Log Calibration Report

Serial Number	101610
Tool Model	Probe
Calibration Casing Diameter	7.000 in
Calibration Depth	2013.42 ft

Master	
Slave	

Master Calibration, performed Mon Nov 10 07:19:34 2014

	Raw (c)		Calibrated (inc)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3	0.007	2.500	1.500	62.165	24.109	1.316
2 CAL	0.007	2.500				
1	0.007	2.500	1.500	62.165	24.109	1.316
0.5 M						
0.5	0.007	2.500	0.000	62.165	24.539	-0.160
0.4	0.007	2.500	0.000	62.165	24.539	-0.160
0.3	0.007	2.500	0.000	62.165	24.548	-0.160
0.2	0.007	2.500	0.000	62.165	24.548	-0.160
0.1	0.007	2.500	0.000	62.165	24.548	-0.160
0.0	0.007	2.500	0.000	62.165	24.548	-0.160
0.1	0.007	2.495	0.000	62.165	24.556	-0.167
0.2	0.007	2.495	0.000	62.165	24.556	-0.167
0.3	0.007	2.500	0.000	62.165	24.548	-0.160

Internal Reference Calibration, performed Fri Jan 10 14:50:16 2014

	Raw (c)		Calibrated (c)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.500	0.107	2.500	1.000	0.000

Air Zero Calibration, performed Wed Nov 05 08:54:34 2014

	Raw (c)		Calibrated (c)		Results	
	Zero		Zero		Offset	
3	0.000		0.000		0.000	
2	0.000		0.000		0.000	
1	0.000		0.000		0.000	
0.5 M						
0.5	0.000		0.000		0.000	
0.4	0.000		0.000		0.000	
0.3	0.000		0.000		0.000	
0.2	0.000		0.000		0.000	
0.1	0.000		0.000		0.000	
0.0	0.000		0.000		0.000	