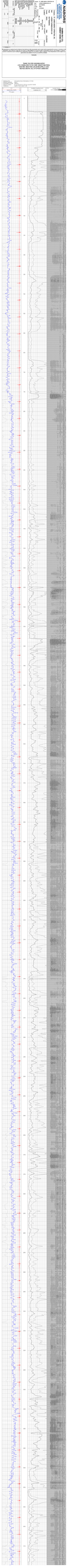

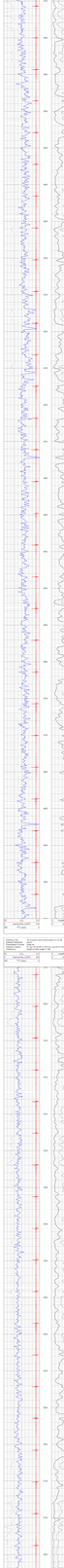

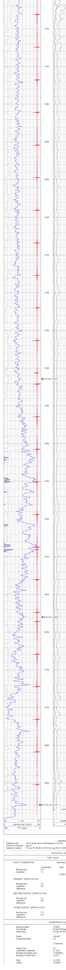

NABORS
COMPLETION & PRODUCTION SERVICES CO.

GAMMA RAY CCL CEMENT BOND VDL

Company	ST. JAMES ENERGY OPERATING, INC.
Well	LARSEN FAIRMEADOWS 6-30
Field	WATTENBERG
County	WELD
State	COLORADO

Company ST. JAMES ENERGY OPERATING, INC.
Well LARSEN FAIRMEADOWS 6-30
Field WATTENBERG
County WELD State COLORADO

Location: API #: 0512329707
1989' FSL & 1940' FWL
NE/SW
SEC 30 TWP 6N RGE 63W

Other Services

Permanent Datum	GL	Elevation 4640	Elevation	K.B. 4653
Log Measured From	KB			D.F. 4652
Drilling Measured From	KB			G.L. 4640

Date	APRIL 5, 2013
Run Number	ONE
Depth Driller	6925
Depth Logger	6885
Bottom Logged Interval	6884
Top Log Interval	SURFACE
Open Hole Size	7-7/8
Type Fluid	WATER
Density / Viscosity	N/A
Max. Recorded Temp.	221°F
Estimated Cement Top	125
Time Well Ready	PORTABLE MAST
Time Logger on Bottom	2-3/4 PROBE 110803
Equipment Number	4838
Location	45
Recorded By	GREG NOLAN
Witnessed By	KENT MOORE

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	4-1/2			
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

THANK YOU FOR CHOOSING NCPS!!!
LOG CORRELATED TO PSI COMP. DENSITY/NEUTRON,
HIGH RES. INDUCTION LOG DATED APRIL 21, 2012
WCR 64 & WCR 61, W.2, N TO PIVOT, W/NW INTO

Database File:	cbl st james larson fairmeadows 6-30.db
Dataset Pathname:	pass4
Presentation Format:	noble en
Dataset Creation:	Fri Apr 05 09:02:31 2013 by Log SCH 120430
Charted by:	Depth in Feet scaled 1:240

50	CCL	-5.5
0	Gamma Ray (GAPI)	130
400	TT3 (usec)	0

0	Amplified Amplitude (mV)	30	200	Variable Density	1200
0	Amplitude (mV)	100			

Database File:	cbl st james larson fairmeadows 6-30.db
Dataset Pathname:	pass3
Presentation Format:	noble en
Dataset Creation:	Fri Apr 05 08:48:22 2013 by Log SCH 120430
Charted by:	Depth in Feet scaled 1:240

50	CCL	-5.5
0	Gamma Ray (GAPI)	200
400	TT3 (usec)	0

0	Amplified Amplitude (mV)	30	200	Variable Density	1200
0	Amplitude (mV)	100			

50	CCL	-5.5
0	Gamma Ray (GAPI)	200
400	TT3 (usec)	0

0	Amplified Amplitude (mV)	30	200	Variable Density	1200
0	Amplitude (mV)	100			

Calibration Report

Database File:	cbl st james larson fairmeadows 6-30.db
Dataset Pathname:	pass3
Dataset Creation:	Fri Apr 05 08:48:22 2013 by Log SCH 120430

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 101011

SHOP CALIBRATION	Counts/Sec.	Gain	Offset	Jig	Units
		Wed May 04 08:11:02 2011			
Background	0.0				cps
Calibrator	1.0				cps
		0.6000			GAPI/cps
PRIMARY VERIFICATION					
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI
BEFORE SURVEY VERIFICATION					
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI
AFTER SURVEY VERIFICATION					
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

Cement Bond Log Calibration Report

Serial Number:	110802		
Tool Model:	Probe275Digital		
Performed:	Fri Apr 05 08:30:25 2013		
Depth:	104.467	ft	
Casing Diameter:	4.5	in	
	3' Spacing	5' Spacing	
Signal Zero:	0.7	0	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	-0.0059082	-0.00603027	V
Reading in Free Pipe:	2.4917	2.32471	V
Gain:	32.2293	34.8371	
Offset:	0.890417	0.210077	