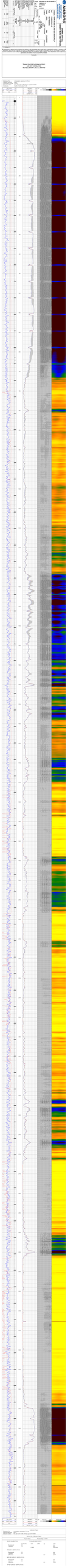

NABORS COMPLETION & PRODUCTION SERVICES CO.

GAMMA RAY CCL CEMENT BOND SECTOR VDL

Company	KERR-MCGEE OIL AND GAS ONSHORE LP
Well	CAMENISCH 2-15
Field	WATTENBERG
County	WELD
State	COLORADO

Company KERR-MCGEE OIL AND GAS ONSHORE LP
Well CAMENISCH 2-15
Field WATTENBERG
County WELD State COLORADO

Location: API #: 0512323296
NW/NE
LAT: 40.14480
LONG: -104.98620
SEC 15 TWP 2N RGE 68W

Other Services

			Elevation
Permanent Datum	GL	Elevation 4865	K.B. 4877
Log Measured From	KB		D.F.
Drilling Measured From	KB		G.L. 4865

Date	JANUARY 2, 2014
Run Number	ONE
Depth Driller	8120
Depth Logger	3600
Bottom Logged Interval	3600
Top Log Interval	SURFACED
Open Hole Size	7-7/8
Type Fluid	WATER
Density / Viscosity	N/A
Max. Recorded Temp.	N/A
Estimated Cement Top	680
Time Well Ready	ECWS RIG
Time Logger on Bottom	2-3/4 PROBE 101020/785
Equipment Number	4838
Location	45
Recorded By	GREG NOLAN
Witnessed By	BILL SMITH

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8-5/8	24# J-55	12	722
Prot. String				
Production String	4-1/2	11.6# I-80	12	8053
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 NOT CORRELATED
WCR 20,5, & WCR 7, N.4, E.3, SW INTO

Database File: cbl anadarko camenisch 2-15.db
Dataset Pathname: pass3
Presentation Format: sector2
Dataset Creation: Thu Jan 02 07:43:46 2014 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

Calibration Report
Database File: cbl anadarko camenisch 2-15.db
Dataset Pathname: pass3
Dataset Creation: Thu Jan 02 07:43:46 2014 by Log SCH 120430

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 110785

SHOP CALIBRATION Fri Nov 08 09:38:30 2013

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0				cps
		0.4400			GAPI/cps

PRIMARY VERIFICATION

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

BEFORE SURVEY VERIFICATION

	Counts/Sec.	Gain	Offset	Jig	Units
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

Segmented Cement Bond Log Calibration Report

Serial Number:	101020	
Tool Model:	Probe	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	3413.075	ft

Master Calibration, performed Thu Jan 02 07:42:31 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.008	1.071	1.500	81.196	74.998	0.904
CAL	0.008	1.169				
5'	0.008	1.027	1.500	81.196	78.214	0.899
SUM						
S1	0.008	1.193	0.000	81.165	68.480	-0.532
S2	0.008	1.175	0.000	81.165	69.564	-0.555
S3	0.008	1.124	0.000	81.165	72.672	-0.546
S4	0.008	1.026	0.000	81.165	79.709	-0.614
S5	0.008	0.920	0.000	81.165	88.998	-0.679
S6	0.008	0.908	0.000	81.165	90.205	-0.704
S7	0.008	1.031	0.000	81.165	79.299	-0.602
S8	0.008	1.161	0.000	81.165	70.376	-0.541

Internal Reference Calibration, performed Fri Jan 13 14:30:16 2012:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.008	1.169	1.000	0.000

Air Zero Calibration, performed Thu Jan 02 07:10:25 2014:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000