Company PDC ENERGY INC
Well BECKER RANCH 5J-103
Field WATTENBERG
County WELD
State CO

Pioneer Energy Services

RADIAL SECTOR BOND LOG WITH GAMMA RAY

Company	**PDC ENERGY INC**
Well	**BECKER RANCH 5J-103**
Field	**WATTENBERG**
County	**WELD**
State	**CO**

API # : 05123390720000
Location: SHL: 223' FNL & 943' FWL NWNW
LAT: 40.26117
LONG: -104.58086
SEC 5 TWP 3N RGE 64W

Other Services
CIBP

Permanent Datum GL Elevation 4819
Log Measured From KB
Drilling Measured From KB ... 13' ABOVE KB

Elevation
K.B. 4832
D.F. 4832
G.L. 4819

Date of Service	JULY 15, 2015
Run Number	1
Depth Driller or PBTD	8800
Depth Logger	6915
Bottom Log Interval	6914
Top Log Interval	SURFACE
Open Hole Size	8+3/4"
Type Fluid	WBM
Fluid Level	SURFACE
Fluid Density	10.0 PPG
Max. Recorded Temperature	200 F
Max. Wellhead Pressure	0
Wellhead Connection	N/A
Estimated Cement Top	SEE LOG
Unit Number	P1
Wireline Size	9/32"
Location	FT MORGAN, CO
Recorded By	SCHUMAN
Witnessed By	MR JIM FLESNER

	Size	Wt/Ft	Top	Bottom
Tubing Record	N/A	N/A	N/A	N/A
Surface Casing	9+5/8"	36#	SURFACE	925
Production Casing	7"	26#	SURFACE	7130
Liner Record	N/A	N/A	N/A	N/A

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All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.
LOG CORRELATED TO RIG KB
S.O. # 2-280194

THANK YOU FOR USING PIONEER ENERGY SERVICES

Your Pioneer ENERGY Services Crew
Engineer: SHAUN
Operator: GENO
Operator: BRENT
Operator:

Tool Data - Services	Serial Number
SECTOR CBL	141166
GR	080538

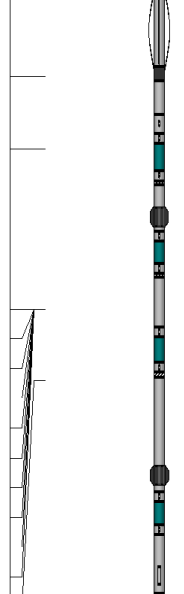
Log Variables

Database:C:\Warrior\Data\becker ranch 5j-103_rbl.db
Dataset: field/well/rbl/pass2

Top - Bottom

XXXX	PPT usec	CASEWGHT lb/ft	MAXAMPL mV	MINAMPL mV	MINATTN db/ft	SRFTEMP degF	CASEOD in
0	0	26	0	1.5	0.08	0	7

PERFS	TDEPTH ft	BOTTEMP degF	BOREID in
0	0	190	8.75



Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		STNDRD Standard Cable Head	1.00	1.69	10.00
		2.75 2 3/4" Tekco Adjustable Centralizer	2.73	2.75	25.00
IntTemp	14.88				
TEMP	13.86				
		RBT-RBT-C3 (141166_7in) Probe Radii Bond Tool with Digital Telemetry	9.38	2.75	90.00
WVF3FT	11.63				
WVFCAL	11.63				
WVFS1	11.63				
WVFS2	11.63				
WVFS3	11.63				
WVFS4	11.63				
WVFS5	11.63				
WVFS6	11.63				
WVFS7	11.63				
WVFS8	11.63				
WVF5FT	10.63				
		PTS275	2.83	2.75	
CCL	3.63				
		GR_CCL-Probe (080538) Probe Gamma CCL	4.54	2.75	100.00
GR	0.90				

Dataset: becker ranch 5j-103_rbl.db: field/well/rbl/pass2
Total Length: 20.48 ft
Total Weight: 225.00 lb
O.D. 2.75 in

PIONEER
Pioneer Energy Services

MAIN LOG

LOGGED WITH 0 PSI APPLIED AT SURFACE

Database File: becker ranch 5j-103_rbl.db
Dataset Pathname: rbl/pass4
Presentation Format: scbl02
Dataset Creation: Wed Jul 15 04:13:37 2015 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

-9 CCL 1	Gamma Ray 0 (GAPI) 200 TT3FT 300 (usec) 200 Well Temp (degF)	3' Amplitude 0 (mV) 100 Amplified Amplitude 0 (mV) 30	AMPAVG 0 150 AMPMAX 0 150 AMPMIN 0 150	200 VDL 1200	1 SECTOR MAP 8 10 60