PIONEER
Pioneer Energy Services

RADIAL SECTOR BOND LOG WITH GAMMA RAY

Company	CARRIZO NIOBRARA LLC
Well	PTASNIK 3-30-9-59
Field	WILDCAT
County	WELD
State	CO

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Well **PTASNIK 3-30-9-59**
Field **WILDCAT**
County **WELD** State **CO**

API # : 05-123-41242

Location:
SHL: 446' FSL & 431' FWL SWSW
SEC 30 TWP 9N RGE 59W

Other Services
NONE

Permanent Datum	GL	Elevation 4918'	Elevation
Log Measured From	KB	17' Above Perm. Datum	K.B. 4935'
Drilling Measured From	KB		D.F. 4934' G.L. 4918'

Date of Service	MAY 3, 2015
Run Number	1
Depth Driller or PBTD	11019'
Depth Logger	6400'
Bottom Log Interval	6400'
Top Log Interval	SURFACE
Open Hole Size	8.75"
Type Fluid	WBM
Fluid Level	150'
Fluid Density	9.7
Max. Recorded Temperature	NA
Max. Wellhead Pressure	0
Wellhead Connection	NONE
Estimated Cement Top	1627'
Unit Number	75
Wireline Size	323"
Location	FT. MORGAN, CO
Recorded By	CLINT CHRISTENSEN
Witnessed By	BOB MCNEESE

	Size	Wt/Ft	Top	Bottom
Tubing Record	NA	NA	NA	NA
Surface Casing	NA	NA	NA	NA
Production Casing	7"	23 LBS	0	6447'
Liner Record	NA	NA	NA	NA

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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.
DEPTH CORRELATED TO 7" CASING TALLY

XTREME DRILLING RIG #19

THANK YOU FOR USING PIONEER ENERGY SERVICES

SO# 2-013984

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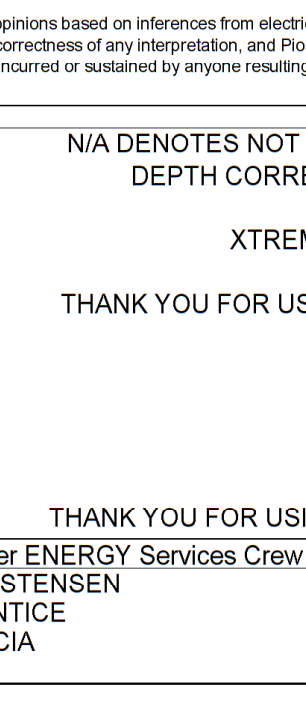
Your Pioneer ENERGY Services Crew	Tool Data - Services	Serial Number
Engineer: CHRISTENSEN	PROBE RADII BOND	
Operator: PRENTICE	PROBE GAMMA/CCL	
Operator: GARCIA		
Operator:		



Sensor	Offset (ft)	Description	Length (ft)	O.D. (in)	Weight (lb
		cent-tit_small_2750_top Titan 2 3/4" Cent (Small)	2.17	2.75	15.00
Temp	13.40				
		RBT-Probe275T (2.75") Probe 2.75" Radial with Integral Temperature Sub	9.39	2.75	120.00
WVFS8	11.17				
WVFS7	11.17				
WVFS6	11.17				
WVFS5	11.17				
WVFS4	11.17				
WVFS3	11.17				
WVFS2	11.17				
WVFS1	11.17				
WVF3FT	11.17				
WVF5FT	10.17				
WVFCAL	6.92				
		cent-tit_small_2750_top Titan 2 3/4" Cent (Small)	2.17	2.75	15.00
CCL	3.92				
GR	2.54	GR-Probe275dig (Base) Probe Digital Gamma CCL	4.75	2.75	57.00

Dataset: 13984.db: field/well/run1/FINAL
Total length: 18.48 ft
Total weight: 207.00 lb
O.D.: 2.75 in

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MAIN PASS 0 PSI

Database File	13984.db
Dataset Pathname	FINAL
Presentation Format	scbl02cc
Dataset Creation	Sun May 03 20:56:45 2015
Charted by	Depth in Feet scaled 1:240

Calibration Report

Database File 13984.db
Dataset Pathname FINAL
Dataset Creation Sun May 03 20:56:45 2015

Gamma Ray Calibration Report

Serial Number:	Base	
Tool Model:	Probe275dig	
Performed:	Sun May 03 17:58:07 2015	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	2.75"	
Tool Model:	Probe275T	
Calibration Casing Diameter:	7.000	in
Calibration Depth:	900.783	ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.009	0.881	0.250	62.200	71.035	-0.415
CAL	0.013	0.997				
5'	0.016	0.909	0.250	62.200	69.385	-0.877
SUM						
S1	0.003	1.064	0.000	100.000	94.226	-0.245
S2	0.011	1.105	0.000	100.000	91.355	-0.982
S3	0.016	1.103	0.000	100.000	91.981	-1.441
S4	0.015	1.096	0.000	100.000	92.549	-1.401
S5	0.014	1.112	0.000	100.000	91.114	-1.311
S6	0.008	1.119	0.000	100.000	90.012	-0.749
S7	0.010	1.063	0.000	100.000	94.942	-0.970
S8	0.013	1.041	0.000	100.000	97.260	-1.223

Internal Reference Calibration, performed Sun May 03 19:03:14 2015:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.013	0.979	0.013	0.997	1.019	-0.001

Air Zero Calibration, performed Sun May 03 18:09:19 2015:

	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