Company PDC Energy
Well Vega 2N
Field Wattenberg
County Weld
State Colorado

GO WIRELINE LLC

Radial Bond
Gamma Ray
CCL, Temp

Company PDC Energy
Well Vega 2N
Field Wattenberg
County Weld State Colorado
Location: API #: 05-123-48464
SEC 6 TWP 3N RGE 65W
Other Services

Permanent Datum GL Elevation 4967'
Log Measured From KB
Drilling Measured From KB

Elevation
K.B. 4995'
D.F.
G.L. 4967'

Date	1-MAR-2023
Run Number	One
Depth Driller	15839'
Depth Logger	6455'
Bottom Logged Interval	6443'
Top Log Interval	Surface
Open Hole Size	8.5"
Type Fluid	Water
Density / Viscosity	8.34 lb/gal
Max. Recorded Temp.	230
Estimated Cement Top	See Log
Time Well Ready	16:45
Time Logger on Bottom	16:53
Equipment Number	24
Location	Greeley, CO
Recorded By	E.Decker
Witnessed By	C.Eberle

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9.625"	36#	Surface	1705.1
Prot. String				
Production String	5.5"	20#	Surface	15829'
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

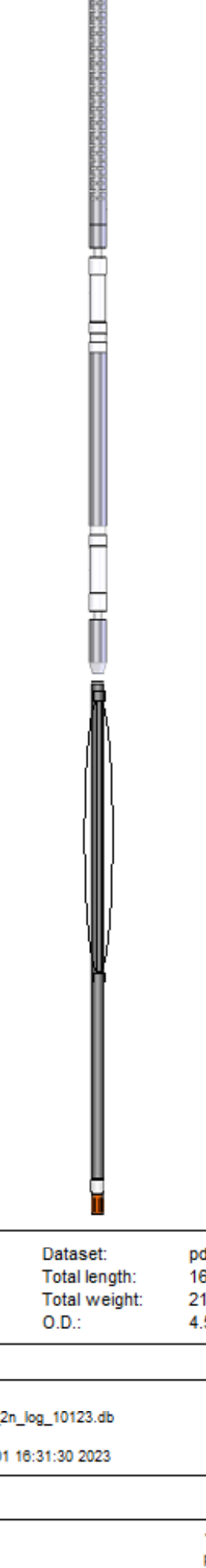
Comments

Log correlated to Marker Joint at 2636' - 2660'
Log ran under 0 PSI
Tools were clean and free of debris

GO WIRELINE LLC

Main Pass

Database File	pdc_vega_2n_log_10123.db
Dataset Pathname	pass3
Presentation Format	rbl_all_8_2020
Dataset Creation	Wed Mar 01 16:52:15 2023
Charted by	Depth in Feet scaled 1:240

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-AES (000001) Cable Head	1.04	1.69	2.00
			CCL-275CCL_6MAG (275CCL_6MAG_Base) 050-CC275-0100 (6 MAG CCL SGL PIN)	2.72	2.75	
CCL	14.04					
			CENT-tekco	2.00	4.50	3.00
TEMP	10.15					
			PROBE-RBT-DIGITAL-RBL-DCT (140139_DD1) Probe 2 3/4" Radii Bond with Temp-Corrosion Package	9.21	2.75	105.00
WVFS8	7.85					
WVFS7	7.85					
WVFS6	7.85					
WVFS5	7.85					
WVFS4	7.85					
WVFS3	7.85					
WVFS2	7.85					
WVFS1	7.85					
WVFCAL	7.85					
WVF3FT	7.85					
WVF5FT	6.85					
HEADVOLT	3.67					
			CENT-tekco	2.00	4.50	3.00
			GR-probe 2.75 (110574)	3.67	2.75	100.00
GR	1.13					

Dataset:	pdc_vega_2n_log_10123.db: field/well/run1/pass3
Total length:	16.63 ft
Total weight:	213.00 lb
O.D.:	4.50 in

Calibration Report

Database File pdc_vega_2n_log_10123.db
Dataset Pathname pass2
Dataset Creation Wed Mar 01 16:31:30 2023

Gamma Ray Calibration Report

Serial Number:	110574	
Tool Model:	probe 2.75	
Performed:	Tue May 31 14:45:53 2011	
Calibrator Value:	200.0	GAPI
Background Reading:	43.9	cps
Calibrator Reading:	269.1	cps
Sensitivity:	0.8881	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	140139_DD1	
Tool Model:	RBL-DCT	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	-168.808	ft

Master Calibration, performed Wed Mar 1 15:39:01 2023:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.002	0.821	0.500	71.921	87.219	0.299
CAL	0.828	0.832				
5'	0.012	0.776	0.500	71.921	93.398	-0.583
SUM						
S1	-0.004	0.817	0.000	100.000	121.706	0.510
S2	0.003	0.826	0.000	100.000	121.473	-0.360
S3	0.003	0.815	0.000	100.000	123.231	-0.405
S4	0.003	0.818	0.000	100.000	122.703	-0.324
S5	0.003	0.836	0.000	100.000	120.029	-0.388
S6	0.003	0.810	0.000	100.000	123.888	-0.408
S7	0.003	0.826	0.000	100.000	121.511	-0.374
S8	0.003	0.825	0.000	100.000	121.771	-0.415

Air Zero Calibration, performed Wed Mar 1 15:36:34 2023:

	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

Temperature Calibration Report

Serial Number:	140139_DD1			
Tool Model:	RBL-DCT			
Performed:	(Not Performed)			
	Reference		Reading	
Low Reference:	0.00	degF	0.00	degF
High Reference:	1.00	degF	1.00	degF
Gain:	1.00			
Offset:	0.00			
Delta Spacing	1			

Company	PDC Energy
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County	Weld
State	Colorado