

		(ft)		(ppg)	(cP)		(cm3)			(ppm)	(%)
2019-03-01 11:41	1	2201.00	Oil Based Mud	9.5	12	N/A	N/A	81.8/18.2	Active Pit	43000	0.00
2019-03-02 00:00	1	4162.00	Oil Based Mud	9.5	12	N/A	N/A	80.3/19.7	Active Pit	47000	0.00
2019-03-02 12:00	1	6745.00	Oil Based Mud	9.4	11	N/A	N/A	79.9/20.1	Active Pit	45000	0.00
2019-03-03 00:00	1	7919.00	Oil Based Mud	9.2	11	N/A	N/A	79.9/20.1	Active Pit	45000	0.00
2019-03-03 12:00	1	9047.00	Oil Based Mud	9.6	11	N/A	N/A	79.7/20.3	Active Pit	48000	0.00
2019-03-04 00:00	1	10820.00	Oil Based Mud	9.5	13	N/A	N/A	79.5/20.5	Active Pit	48000	0.00
2019-03-04 12:00	1	12602.00	Oil Based Mud	9.4	13	N/A	N/A	79.7/20.3	Active Pit	46000	0.00
2019-03-05 00:00	1	14848.00	Oil Based Mud	9.6	15	N/A	N/A	79.3/20.7	Active Pit	46000	0.00
2019-03-05 12:00	1	16690.00	Oil Based Mud	9.7	15	N/A	N/A	80.2/19.8	Active Pit	51000	0.00
2019-03-06 00:00	1	17930.00	Oil Based Mud	9.7	16	N/A	N/A	81.4/18.6	Active Pit	45000	0.00

Mud Resistivity Record

Date / Time	Run No.	Measured Depth (ft)	Surface Temp (degF)	Surface			BHCT (degF)	Downhole		
				Rm (ohm.m)	Rmf (ohm.m)	Rmc (ohm.m)		Rm @ BHCT (ohm.m)	Rmf @ BHCT (ohm.m)	Rmc @ BHCT (ohm.m)
2019-03-04 00:00	1	10951.00	130.0	100.000	N/A	N/A	217.0	100.000	N/A	N/A
2019-03-04 12:00	1	12602.00	132.0	100.000	N/A	N/A	230.0	100.000	N/A	N/A
2019-03-05 00:00	1	14685.00	144.0	100.000	N/A	N/A	235.0	100.000	N/A	N/A
2019-03-05 12:00	1	16736.00	150.0	100.000	N/A	N/A	250.0	100.000	N/A	N/A
2019-03-06 00:00	1	17930.00	158.0	100.000	N/A	N/A	258.0	100.000	N/A	N/A

Equipment and Service Data

Run No.	Tool	Serial Number	Measurement	Sensor Offset (ft)	Bit Offset (ft)	Max O.D. (in)	Min I.D. (in)
1	AutoTrak Curve Steering Unit	14316022	Near Bit Inclination	5.93	6.93	7.000	4.330
1	AutoTrak Curve Steering Unit	14316022	Near Bit VSS	5.93	6.93	7.000	4.330
1	AutoTrak Curve MWD	14256861	Gamma (single)	2.75	13.10	7.000	3.250
1	AutoTrak Curve MWD	14256861	Directional (mag)	12.27	22.62	7.000	3.250
1	AziTrak	11768890	Azimuthal Resistivity	5.04	10776.07	6.750	3.250
1	AziTrak	11768890	Resistivity (4tx)	5.04	10776.07	6.750	3.250
1	AziTrak	11768890	Pressure	8.48	10779.51	6.750	3.250
1	AziTrak	11768890	Gamma (double)	11.60	10782.63	6.750	3.250
1	AziTrak	11768890	Directional (mag)	16.39	10787.42	6.750	3.250

Service and Tool Mnemonics

Mnemonic	Name	Description
ATC SU	AutoTrak Curve SU	Auto Trak Curve Steering Unit
ATC MWD	AutoTrak Curve MWD	Auto Trak Curve MWD
ATC LCPM	AutoTrak Curve LCPM	Auto Trak Curve LCPM
AZTK	AziTrak	Azimuthal OnTrak
BCPM	BCPM	Bi-Directional Communication and Power Module, OnTrak Platform

Comments

1	Depth measurements were obtained from a depth control system not supplied or operated by Baker Hughes, a GE Company (BHGE). Due to the lack of control by BHGE logging engineers, depth calibrations and measurements could not be independently verified.
2	BHGE LWD run 1 utilized 6.75 inch NaviGamma Services (Gamma Ray and Directional) and Ontrak Services (Multiple Propagation Resistivity) behind a 8.5 inch bit and Rotary steerable assembly from 2201 to 17930 feet MD (2201 to 7793 feet TVD).


Remarks

Number	Measured Depth (ft)	Hole Section (in)	Run No.	Remark
0	2201.00	8.500	1	BHGE logging services began at 2201 feet MD (2201 feet TVD) per customer request.

Curve Mnemonics

Presented Curves	Description	Units
CACLM	Conductivity Attenuation - Corrected - 400kHz	mmho/m
RACHM	Resistivity Attenuation - Corrected - 2MHz	ohm.m
RACLM	Resistivity Attenuation - Corrected - 400kHz	ohm.m
RPCHM	Resistivity Phase - Corrected - 2MHz	ohm.m
RPCLM	Resistivity Phase - Corrected - 400kHz	ohm.m
RPTHM	Resistivity Time Since Drilled	min

ROPA	Depth Averaged ROP 3 ft Average	ft/h
TVD	True Vertical Depth	ft
GRAM	Gamma Ray - Apparent - Memory 3 ft Average	API
TCDM	Downhole Temperature	degF

<div><div><div>BAKER HUGHES</div><div>a GE company</div></div><div></div></div>	Company	ConocoPhillips			
	Well	Prosper_Farms_4-65_11-12_3BH			
	Interval	Date From:	2019-03-01 11:41	Top:	2201.00 ft
		Date To:	2019-03-06 08:25	Bottom:	17930.00 ft
	Created	2019-03-06 09:34:38			

Gamma Ray - Apparent - Memory 3 ft Average [GRAM]	MD 1:1200 feet	Resistivity Phase - Corrected - 2MHz [RPCHM]	Downhole Temperature [TCDM]
0 200		0.2 2000	0 300
API		ohm.m	degF
Depth Averaged ROP 3 ft Average [ROPA]		Resistivity Phase - Corrected - 400kHz [RPCLM]	Conductivity Attenuation - Corrected - 400kHz [CACLM]
1000 0		0.2 2000	4000 0
ft/h		ohm.m	mmho/m
True Vertical Depth [TVD]		Resistivity Attenuation - Corrected - 2MHz [RACHM]	
0 10000		0.2 2000	
ft		ohm.m	
		Resistivity Attenuation - Corrected - 400kHz [RACLM]	
		0.2 2000	
		ohm.m	

