

Run No.	Tool	Serial Number	Measurement	Sensor Offset (ft)	Bit Offset (ft)	Max O.D. (in)	Min I.D. (in)
1	NaviTrak	10350729	VSS	16.79	52.96	8.063	0.000
1	NaviTrak	10350729	Directional (mag)	16.79	52.96	8.063	0.000
2	AutoTrak Curve Steering Unit	12232312	Near Bit Inclination	5.93	6.73	7.000	4.330
2	AutoTrak Curve Steering Unit	12232312	Near Bit VSS	5.93	6.73	7.000	4.330
2	AutoTrak Curve MWD	14367858	Gamma (single)	2.75	12.90	7.000	3.250
2	AutoTrak Curve MWD	14367858	Directional (mag)	12.27	22.42	7.000	3.250

Service and Tool Mnemonics

Mnemonic	Name	Description
NTK	NaviTrak	Probe Based Directional Module, NaviTrak Platform
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

Comments



1	Depth measurements were obtained from a depth control system not supplied or operated by Baker Hughes. Due to the lack of control by Baker Hughes, depth calibrations and measurements could not be independently verified.
2	Baker Hughes LWD run 1 utilized a 8 inch NaviTrak services (Directional) behind a 13.5 inch bit and steerable assembly from 100 to 2222 feet MD (100 to 2213 feet TVD).
3	Baker Hughes LWD run 2 utilized a 6.75 inch NaviGamma services (Directional and Gamma Ray) behind a 8.5 inch bit and rotary steerable assembly from 2222 to 17884 feet MD (2213 to 7914 feet TVD).
4	Baker Hughes LWD run 2 utilized a 6.75 inch NaviGamma services (Up/Down Gamma Ray) from 7400 to 18057 feet MD (7132 to 7950 feet TVD) as per customer request.

Remarks

Number	Measured Depth (ft)	Hole Section (in)	Run No.	Remark
1	17871.00	8.500	2	The interval from 17871 to 17884 feet MD (7914 feet TVD) was not logged after being drilled due to sensor to bit offset at well TD.

Curve Mnemonics

Presented Curves	Description	Units
ROPA	Depth Averaged ROP 3 ft Average	ft/h
TVD	True Vertical Depth	ft
WOBA	Weight On Bit, Average 1 ft Average	klb
GRAM	Gamma Ray - Apparent - Memory	API
GRADM	Gamma Ray - Apparent - Down Quadrant - Memory	API
GRAUM	Gamma Ray - Apparent - Up Quadrant - Memory	API
TCDM	Directional Real-Time Survey Temperature	degF

 	Company	CCRP Operating Inc.			
	Well	Salt Ranch Fee 502-1034H			
	Interval	Date From:	2019-04-09 19:49	Top:	100.00 ft
		Date To:	2019-04-28 06:00	Bottom:	17884.00 ft
	Created	2019-04-28 07:10:50			

