



Libby Berry SWD 2

API # 30-0xx-xxxxx

Revised: 1/24/2019

TVD ft-RKB	Geological Tops	Wellbore Sketch	Hole Size	Casing	Drilling Fluids	Cement	OH Logs/Evaluation
1,000'	1,561 Rustler		26"	Surface: 20" 94.0# J55 BTC 1,600'	FW Spud Mud 8.5 - 9.2 ppg 32 - 38 FV 4-6 PV 2-5 YP	Top of Lead: Surface 12.8 ppg 2.00 cuft/sk 1,655 sks Top of Tail: 1,100' 14.8 ppg 1.34 cuft/sk 1,125 sks (100% Excess)	
2,000'	1,922 Salado		17-1/2"	Intermediate 1: 13-3/8" 68# J55 BTC 5,700'	Saturated Brine 10.0 - 10.3 ppg 28 - 32 FV	Stage 1 - 100% Excess Top of Lead: 3,700' 11.5 ppg 3.79 cuft/sk 550 sks Top of Tail: 5,200' 14.8 ppg 1.33 cuft/sk 535 sks Stage 2 - 200% Excess Top of Cement: Surface 11.5 ppg 3.80 cuft/sk 2,030 sks	
3,000'	3,426 Tansill		12-1/4"	Intermediate: 9-5/8" 40# P110 BTC 11,050'	Cut Brine/WBM 9.0 - 9.5 ppg 15 - 20 PV 8 - 12 YP	Top of Lead: Surface 11.5 ppg 2.25 cuft/sk 1,355 sks Top of Tail: 8,000' 14.8 ppg 1.33 cuft/sk 1,080 sks (50% Excess in OH)	
4,000'	3,785 Capitan Reef 3,979 Seven Rivers		8-3/4"	Liner: 5/8" 39# P110 FJ/HDL 10,800' - 14,675'	Saturated Brine 10.0 - 12.0 ppg 36 - 38 Viscosity 10 - 18 PV 8 - 12 YP 6 - 8 API Filtrate	Top of Tail: 10,800' 14.5 ppg 1.20 cuft/sk 350 sks (10% Excess)	
5,000'	5,645 Delaware		6-1/8"	OH Completion 5-1/2" Tubing Set @ 14,575'	Cut Brine/WBM 8.9 - 9.2 ppg 15 - 20 PV 8 - 12 YP		
7,000'	8,462 Bone Spring						
9,000'	9,598 1st Bone Spring SS 10,079 2nd Bone Spring SS						
11,000'	10,812 3rd Bone Spring SS 11,017 Wolfcamp						
13,000'	12,227 Strawn 12,300 Atoka 12,550 Morrow						
	13,832 Mississippian Lime						
15,000'	14,652 Devonian						
	15,733 Fusselman						
17,000'		TD: 16,255'					