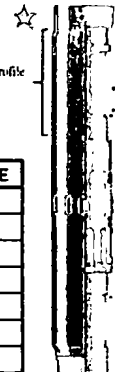


Wellbore Diagram CEDAR CANYON 22-15 FEE 34H (3rd Bone Spring)

OPERATOR: OXY USA
API NUMBER: 30-015-44055
COUNTY: Eddy
LATITUDE: 32 12' 25.477" N
FIELD: Cedar Canyon
LONGITUDE: 103° 57' 59.994" W
MD / TVD: 16,091' @ MD / 9,970' @ TVD
Expected Lift Type: Gas Lift (C1)
Ground Elevation (R-ASL): 2,936
RKB: 2,962 (Rig Floor = 26')

SLIDING SLIDING



X Nipple Profile

10-3/4"; 45.5#; J-55; BTC; casing shoe at 441'
(Performed cement top job, cement back to surface)

	Description	Length	Top	Bottom	ANGLE
KB		26.5		26.5	
	Tubing hanger	0.5	26.5	27.0	
	2-3/8" tubing L-80 4 7# II EUE B&P	2073.0	27.0	2100.0	
16	Weatherford SPM #9 with 2-3/8" L-80 EUE B x P (R-1 GL Valve)	7.0	2100.0	2107.0	0.5°
	2-3/8" tubing L-80 4 7# II EUE B&P	1493.0	2107.0	3600.0	
15	Weatherford SPM #8 with 2-3/8" L-80 EUE B x P (R-1 GL Valve)	7.0	3600.0	3607.0	1.0°
	2-3/8" tubing L-80 4 7# II EUE B&P	793.0	3607.0	4400.0	
14	Weatherford SPM #7 with 2-3/8" L-80 EUE B x P (R-1 GL Valve)	7.0	4400.0	4407.0	2.0°
	2-3/8" tubing L-80 4 7# II EUE B&P	797.0	4407.0	5204.0	
13	Weatherford SPM #6 with 2-3/8" L-80 EUE B x P (R-1 GL Valve)	7.0	5204.0	5211.0	10.0°
	2-3/8" tubing L-80 4 7# II EUE B&P	807.0	5211.0	6018.0	
12	Weatherford SPM #5 with 2-3/8" L-80 EUE B x P (R-1 GL Valve)	7.0	6018.0	6025.0	10.0°
	2-3/8" tubing L-80 4 7# II EUE B&P	812.0	6025.0	6837.0	
11	Weatherford SPM #4 with 2-3/8" L-80 EUE B x P (R-1 GL Valve)	7.0	6837.0	6844.0	8.5°
	2-3/8" tubing L-80 4 7# II EUE B&P	802.0	6844.0	7646.0	
10	Weatherford SPM #3 with 2-3/8" L-80 EUE B x P (R-1 GL Valve)	7.0	7646.0	7653.0	8.5°
	2-3/8" tubing L-80 4 7# II EUE B&P	804.0	7653.0	8457.0	
9	Weatherford SPM #2 with 2-3/8" L-80 EUE B x P (R-1 GL Valve)	7.0	8457.0	8464.0	13.0°
	2-3/8" tubing L-80 4 7# II EUE B&P	760.0	8464.0	9224.0	
8	Weatherford SPM #1 with 2-3/8" L-80 EUE B x P (R-1 GL Valve)	7.0	9224.0	9231.0	5.0°
	1 ft 2-3/8" tubing L-80 4 7# II EUE B&P	31.0	9231.0	9262.0	
7	WATSON XO sliding sleeve 1.875" with 2-3/8" EUE B&P ★	2.9	9262.0	9264.9	4.2°
	1 ft 2-3/8" tubing L-80 4 7# II EUE B&P	31.0	9264.9	9295.9	
6	SLB DOWNHOLE GAUGE CTS with 2-3/8" EUE B&P	0.9	9295.9	9296.8	
	1 ft 2-3/8" tubing L-80 4 7# II EUE B&P	31.0	9296.8	9327.8	
5	WATSON on/off tool w/ 2-3/8" EUE x 1.875" X profile	1.8	9327.8	9329.6	4.3°
4	Watson packer 5-1/2" x 1.995"	7.5	9329.6	9337.1	4.3°
	Pop Joint 2-3/8" tubing L-80 4 7# II EUE B&P	6.0	9337.1	9343.1	
3	Watson XN profile No Go 1.875" with 2-3/8" EUE BxP (3.063" OD)	2.3	9343.1	9345.4	4.3°
2	Dual disc tool	0.5	9345.4	9345.8	4.3°
	2-3/8" tubing L-80 4 7# II EUE B&P	98.2	9345.8	9444.1	
1	Wireline Entry Guide (3.063" OD)	0.5	9444.1	9444.6	

NOTE: TAIL BELOW PACKER IS -40 FT INSIDE THE 4.5" LINER

5.5"; 20#; P-110; ULTRA SF; FRAC
STRING @ 9,357'

KOP -9,499' MD / -9,427' TVD @ 4.5 deg inc
Marker joint top depths: #1 @ 13,835'
MD, #2 @ 15,872' MD

Production Liner Hanger PBR (top) 9,355' (5.75" ID)
Frac string Tieback Seal Assembly (bottom) 9,405' (4.75" ID)

7-5/8"; 26.7#; L-80; BTC; 7,000' (MD)
7-5/8"; 29.7#; HCL-80; BTC; 9,480' (MD)
(Circulated cement to surface)

Perfs 9,980' - 15,931' MD (29 stages)

RSI Toe Initiator 4.5" at 15,983' MD
CBP @ 15,954' (hardline plug)



CLAMPS



DOWNHOLE GAUGE

Run 28, 4.5" 13.5# Choice RzfFrac composite
plugs (stages 2-29) and 1 solid CBP to be set
on hardline & before last stage

4.5" 13.5# P110 DOX liner from 9,450' MD to casing shoe at 16,091' MD / 9,970' TVD
Float collar at 16,044' MD / 9,970' TVD