



COG Operating LLC

**LEA COUNTY, NM
DEEP BSS
PRICKLY PEAR 6 FEDERAL COM #1H**

OWB

Plan: PRE PLAN FOR APD

SHL: 190' FNL, 330' FEL, SEC. 6, T20S, R35E, LOT 1

PP: 330' FNL, 332' FEL, SEC. 4, T17S, R29E, LOT 1

BHL: 330' FSL, 380' FEL, SEC. 6, T20S, R35E, UNIT P

Standard Planning Report

23 April, 2015



COG Operating LLC
Planning Report

Database:	EDM Users	Local Co-ordinate Reference:	Well PRICKLY PEAR 6 FEDERAL COM #1H
Company:	COG Operating LLC	TVD Reference:	RKB = 3693.3+17 @ 3713.3usft (McVAY 7)
Project:	LEA COUNTY, NM	MD Reference:	RKB = 3693.3+17 @ 3713.3usft (McVAY 7)
Site:	DEEP BSS	North Reference:	Grid
Well:	PRICKLY PEAR 6 FEDERAL COM #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PRE PLAN FOR APD		

Project	LEA COUNTY, NM		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site		DEEP BSS			
Site Position:		Northing:	435,807.90 usft	Latitude:	32° 11' 46.554 N
From:	Map	Easting:	713,748.60 usft	Longitude:	103° 38' 32.429 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.37 °

Well	PRICKLY PEAR 6 FEDERAL COM #1H					
Well Position	+N/-S	150,467.3 usft	Northing:	586,275.20 usft	Latitude:	32° 36' 32.165 N
	+E/-W	46,355.3 usft	Easting:	760,103.90 usft	Longitude:	103° 29' 19.166 W
Position Uncertainty		3.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,696.3 usft

Wellbore	OWB
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	WMM_2005	12/31/2009	7.75	60.60	49,027

Design	PRE PLAN FOR APD
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Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	180.07

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
10,654.6	0.00	0.00	10,654.6	0.0	0.0	0.00	0.00	0.00	0.00	
11,399.8	89.43	180.07	11,132.0	-472.7	-0.6	12.00	12.00	0.00	180.07	
15,715.3	89.43	180.07	11,175.0	-4,787.9	-5.8	0.00	0.00	0.00	0.00	PBHL



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Well:	PRICKLY PEAR 6 FEDERAL COM #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PRE PLAN FOR APD		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00	



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5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,000.0	0.00	0.00	9,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,100.0	0.00	0.00	9,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,000.0	0.00	0.00	10,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,100.0	0.00	0.00	10,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,200.0	0.00	0.00	10,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,300.0	0.00	0.00	10,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,400.0	0.00	0.00	10,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,500.0	0.00	0.00	10,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,600.0	0.00	0.00	10,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,654.6	0.00	0.00	10,654.6	0.0	0.0	0.0	0.00	0.00	0.00	



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Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
KOP, 10654.6' MD									
10,700.0	5.45	180.07	10,699.9	-2.2	0.0	2.2	12.00	12.00	0.00
10,800.0	17.45	180.07	10,797.8	-22.0	0.0	22.0	12.00	12.00	0.00
10,900.0	29.45	180.07	10,889.3	-61.7	-0.1	61.7	12.00	12.00	0.00
11,000.0	41.45	180.07	10,970.7	-119.6	-0.1	119.6	12.00	12.00	0.00
11,029.8	45.02	180.07	10,992.4	-140.0	-0.2	140.0	12.00	12.00	0.00
PP, 11,029.8' MD									
11,100.0	53.45	180.07	11,038.2	-193.1	-0.2	193.1	12.00	12.00	0.00
11,200.0	65.45	180.07	11,088.9	-279.1	-0.3	279.1	12.00	12.00	0.00
11,300.0	77.45	180.07	11,120.7	-373.7	-0.5	373.7	12.00	12.00	0.00
11,399.8	89.42	180.07	11,132.0	-472.7	-0.6	472.7	12.00	12.00	0.00
EOC, 11,399.8' MD, 11,132' TVD									
11,400.0	89.43	180.07	11,132.0	-472.9	-0.6	472.9	3.00	3.00	0.00
11,500.0	89.43	180.07	11,133.0	-572.9	-0.7	572.9	0.00	0.00	0.00
11,600.0	89.43	180.07	11,134.0	-672.9	-0.8	672.9	0.00	0.00	0.00
11,700.0	89.43	180.07	11,135.0	-772.8	-0.9	772.9	0.00	0.00	0.00
11,800.0	89.43	180.07	11,136.0	-872.8	-1.1	872.8	0.00	0.00	0.00
11,900.0	89.43	180.07	11,137.0	-972.8	-1.2	972.8	0.00	0.00	0.00
12,000.0	89.43	180.07	11,138.0	-1,072.8	-1.3	1,072.8	0.00	0.00	0.00
12,100.0	89.43	180.07	11,139.0	-1,172.8	-1.4	1,172.8	0.00	0.00	0.00
12,200.0	89.43	180.07	11,140.0	-1,272.8	-1.6	1,272.8	0.00	0.00	0.00
12,300.0	89.43	180.07	11,141.0	-1,372.8	-1.7	1,372.8	0.00	0.00	0.00
12,400.0	89.43	180.07	11,142.0	-1,472.8	-1.8	1,472.8	0.00	0.00	0.00
12,500.0	89.43	180.07	11,143.0	-1,572.8	-1.9	1,572.8	0.00	0.00	0.00
12,600.0	89.43	180.07	11,144.0	-1,672.8	-2.0	1,672.8	0.00	0.00	0.00
12,700.0	89.43	180.07	11,145.0	-1,772.8	-2.2	1,772.8	0.00	0.00	0.00
12,800.0	89.43	180.07	11,146.0	-1,872.8	-2.3	1,872.8	0.00	0.00	0.00
12,900.0	89.43	180.07	11,147.0	-1,972.8	-2.4	1,972.8	0.00	0.00	0.00
13,000.0	89.43	180.07	11,148.0	-2,072.8	-2.5	2,072.8	0.00	0.00	0.00
13,100.0	89.43	180.07	11,149.0	-2,172.8	-2.7	2,172.8	0.00	0.00	0.00
13,200.0	89.43	180.07	11,149.9	-2,272.8	-2.8	2,272.8	0.00	0.00	0.00
13,300.0	89.43	180.07	11,150.9	-2,372.8	-2.9	2,372.8	0.00	0.00	0.00
13,400.0	89.43	180.07	11,151.9	-2,472.8	-3.0	2,472.8	0.00	0.00	0.00
13,500.0	89.43	180.07	11,152.9	-2,572.8	-3.1	2,572.8	0.00	0.00	0.00
13,600.0	89.43	180.07	11,153.9	-2,672.8	-3.3	2,672.8	0.00	0.00	0.00
13,700.0	89.43	180.07	11,154.9	-2,772.7	-3.4	2,772.8	0.00	0.00	0.00
13,800.0	89.43	180.07	11,155.9	-2,872.7	-3.5	2,872.7	0.00	0.00	0.00
13,900.0	89.43	180.07	11,156.9	-2,972.7	-3.6	2,972.7	0.00	0.00	0.00
14,000.0	89.43	180.07	11,157.9	-3,072.7	-3.8	3,072.7	0.00	0.00	0.00
14,100.0	89.43	180.07	11,158.9	-3,172.7	-3.9	3,172.7	0.00	0.00	0.00
14,200.0	89.43	180.07	11,159.9	-3,272.7	-4.0	3,272.7	0.00	0.00	0.00
14,300.0	89.43	180.07	11,160.9	-3,372.7	-4.1	3,372.7	0.00	0.00	0.00
14,400.0	89.43	180.07	11,161.9	-3,472.7	-4.2	3,472.7	0.00	0.00	0.00
14,500.0	89.43	180.07	11,162.9	-3,572.7	-4.4	3,572.7	0.00	0.00	0.00
14,600.0	89.43	180.07	11,163.9	-3,672.7	-4.5	3,672.7	0.00	0.00	0.00
14,700.0	89.43	180.07	11,164.9	-3,772.7	-4.6	3,772.7	0.00	0.00	0.00
14,800.0	89.43	180.07	11,165.9	-3,872.7	-4.7	3,872.7	0.00	0.00	0.00
14,900.0	89.43	180.07	11,166.9	-3,972.7	-4.9	3,972.7	0.00	0.00	0.00
15,000.0	89.43	180.07	11,167.9	-4,072.7	-5.0	4,072.7	0.00	0.00	0.00
15,100.0	89.43	180.07	11,168.9	-4,172.7	-5.1	4,172.7	0.00	0.00	0.00
15,200.0	89.43	180.07	11,169.8	-4,272.7	-5.2	4,272.7	0.00	0.00	0.00
15,300.0	89.43	180.07	11,170.8	-4,372.7	-5.3	4,372.7	0.00	0.00	0.00
15,400.0	89.43	180.07	11,171.8	-4,472.7	-5.5	4,472.7	0.00	0.00	0.00



COG Operating LLC

Planning Report

Database: EDM_Users
Company: COG Operating LLC
Project: LEA COUNTY, NM
Site: DEEP BSS
Well: PRICKLY PEAR 6 FEDERAL COM #1H
Wellbore: OWB
Design: PRE PLAN FOR APD

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well PRICKLY PEAR 6 FEDERAL COM #1H
RKB = 3693.3+17 @ 3713.3usft (McVAY 7)
RKB = 3693.3+17 @ 3713.3usft (McVAY 7)
Grid
Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,500.0	89.43	180.07	11,172.8	-4,572.7	-5.6	4,572.7	0.00	0.00	0.00
15,600.0	89.43	180.07	11,173.8	-4,672.7	-5.7	4,672.7	0.00	0.00	0.00
15,700.0	89.43	180.07	11,174.8	-4,772.6	-5.8	4,772.7	0.00	0.00	0.00
15,715.3	89.43	180.07	11,175.0	-4,787.9	-5.8	4,787.9	0.00	0.00	0.00

PBHL, 15,715.3' MD, 11,175' TVD

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL	0.00	0.00	11,175.0	-4,787.9	-6.5	581,487.30	760,097.40	32° 35' 44.790 N	103° 29' 19.686 W
- plan misses target center by 0.7usft at 15715.3usft MD (11175.0 TVD, -4787.9 N, -5.8 E)									
- Point									

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,654.6	10,654.6	0.0	0.0	KOP, 10654.6' MD
11,029.8	10,992.4	-140.0	-0.2	PP, 11,029.8' MD
11,399.8	11,132.0	-472.7	-0.6	EOC, 11,399.8' MD, 11,132' TVD
15,715.3	11,175.0	-4,787.9	-5.8	PBHL, 15,715.3' MD, 11,175' TVD

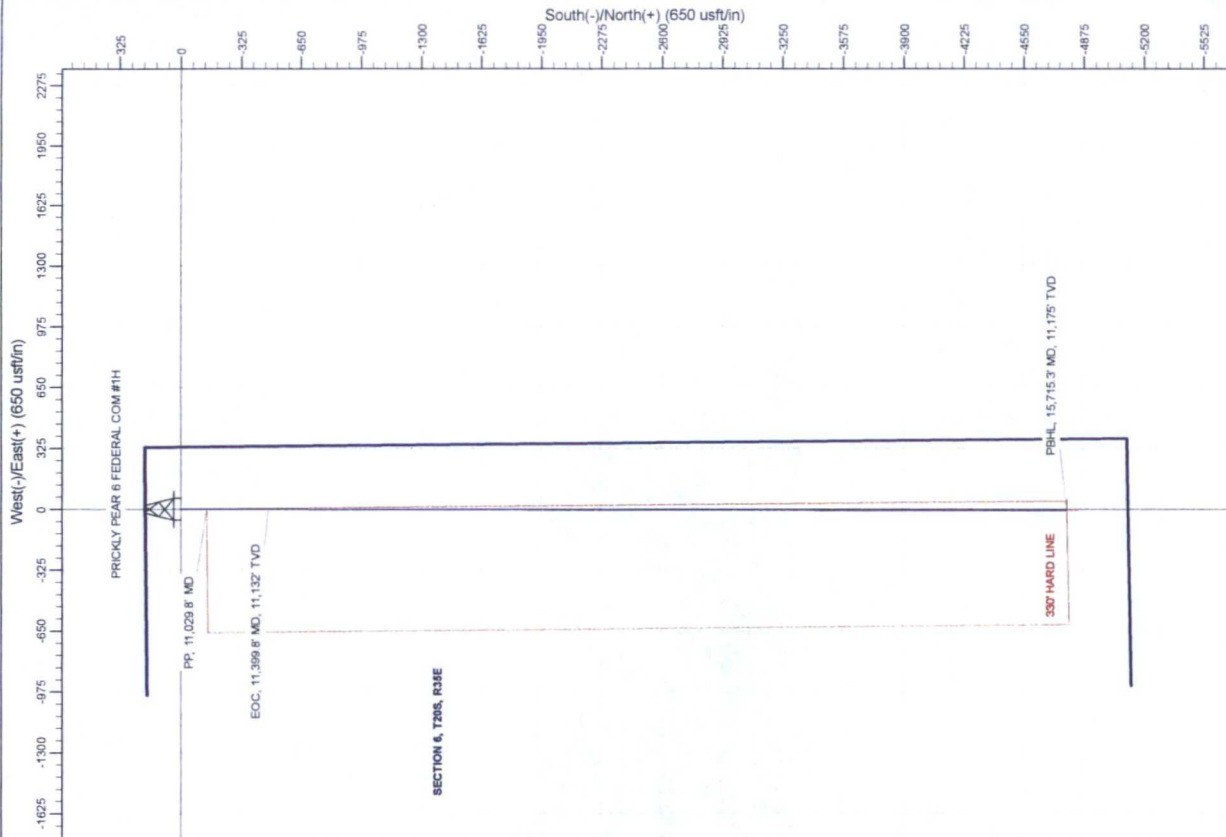
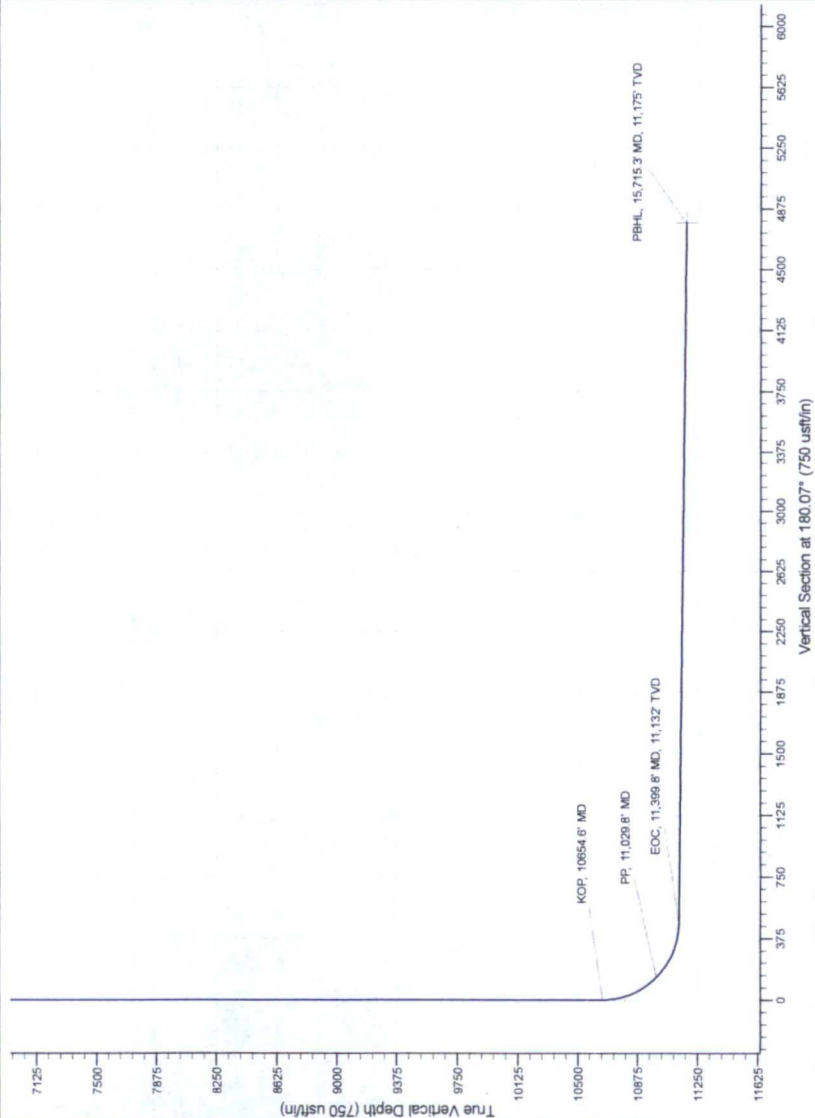


Project: LEA COUNTY, NM
Site: DEEP BSS
Well: PRICKLY PEAR 6 FEDERAL COM #1H
Wellbore: OWB
Design: PRE PLAN FOR APD

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	SECTION DETAILS			Target
							Diag	TFace	VSect	
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	0.0
2	10654.6	0.00	0.00	10654.6	0.0	0.0	0.00	0.00	0.0	0.0
3	11399.8	89.43	180.07	11132.0	-472.7	-0.6	12.00	180.07	472.7	PBHL
4	15715.3	89.43	180.07	11175.0	-4787.9	-5.8	0.00	0.00	4787.9	PBHL

LEGEND

PRE PLAN FOR APD



LLD ACREAGE REPORT

Admin State: NM

Geo State: NM

MTR: 23 0200S 0350E

Section: 006

Sur Type	Sur No	Lld Suff	NE	NW	SW	SE	Sur Note	Dup Flg	Sub Surf	Acreage
			NNSS	NNSS	NNSS	NNSS				
A			--XX	---	X--	X	XXXX			360.000
L	1		X---	----	----	----				40.910
L	2		-X--	----	----	----				40.650
L	3		----	X---	----	----				40.390
L	4		----	-X--	----	----				39.410
L	5		----	--X-	----	----				39.430
L	6		----	----	-X--	----				39.590
L	7		----	----	--X-	----				39.740

Section 006 Total: 640.120

MTR Total Excluding Survey Notes C/D/R
and Sub Surf = Y 640.120Grand Total Excluding Survey Notes C/D/R
and Sub Surf = Y: 640.120



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the
POD suffix indicates the
POD has been replaced
& no longer serves a
water right file.)

(R=POD has
been replaced,
O=orphaned,
C=the file is
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub- Code	basin	County	Q Q Q 64 16 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
<u>L 04157</u>	L	LE		3 3 06	20S	35E		640483	3607561*	70	64	6

Average Depth to Water: **64 feet**

Minimum Depth: **64 feet**

Maximum Depth: **64 feet**

Record Count: 1

PLSS Search:

Section(s): 6

Township: 20S

Range: 35E

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the
POD suffix indicates the
POD has been replaced
& no longer serves a
water right file.)

(R=POD has
been replaced,
O=orphaned,
C=the file is
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 04116 S	L	LE		1	2	02	20S	35E		647710	3608881*	55	50	5
L 04157	L	LE		3	3	06	20S	35E		640483	3607561*	70	64	6
L 04158	L	LE		2	4	05	20S	35E		643290	3608008*	70	64	6

Average Depth to Water: **59 feet**

Minimum Depth: **50 feet**

Maximum Depth: **64 feet**

Record Count: 3

PLSS Search:

Township: 20S

Range: 35E

*UTM location was derived from PLSS - see Help

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