

30-025-42819



HOBBS OCD

OCT 01 2015

RECEIVED

COG Operating LLC

Lea County, NM

Pan Head Fee #22H

SHL: 200' FNL, 780' FWL, Sec 11, T17S, R32E, Unit D

PP: 330' FNL, 784.3' FWL, Sec 14, T17S, R32E, Unit D

BHL: 988' FNL, 988' FWL, Sec 14, T17S, R32E, Unit D

Plan: Plan #1

Standard Planning Report

12 August, 2015



OCT 07 2015

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well SHL: 200' FNL, 780' FWL, Sec 11, T17S, R32E, Unit D
Company:	COG Operating LLC	TVD Reference:	KB @ 4184.0usft (United 43)
Project:	Lea County, NM	MD Reference:	KB @ 4184.0usft (United 43)
Site:	Pan Head Fee #22H	North Reference:	Grid
Well:	SHL: 200' FNL, 780' FWL, Sec 11, T17S, R32E, Unit D	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 988' FNL, 988' FWL, Sec 14, T17S, R32E, Unit D		
Design:	Plan #1		

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	Pan Head Fee #22H		
Site Position:	Map	Northing:	675,509.80 usft
From:		Easting:	681,389.40 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 51' 20.397 N
		Longitude:	103° 44' 33.538 W
		Grid Convergence:	0.32 °

Well	SHL: 200' FNL, 780' FWL, Sec 11, T17S, R32E, Unit D		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 51' 20.397 N
		Longitude:	103° 44' 33.538 W
		Ground Level:	4,172.0 usft

Wellbore	BHL: 988' FNL, 988' FWL, Sec 14, T17S, R32E, Unit D		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	8/12/2015	7.28
			Dip Angle (°)
			60.64
			Field Strength (nT)
			48,481

Design	Plan #1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction (°)
			177.70

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth (usft)	(°)	(°)	Depth (usft)	(usft)	(usft)	Rate (°/100usft)	Rate (°/100usft)	Rate (°/100usft)	(°)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,929.1	0.00	0.00	5,929.1	0.0	0.0	0.00	0.00	0.00	0.00	
6,747.3	90.00	177.70	6,450.0	-520.4	20.9	11.00	11.00	21.72	177.70	
12,295.7	90.00	177.70	6,450.0	-6,064.4	243.3	0.00	0.00	0.00	0.00	BHL (PHF #22H/OH)



TDS
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well SHL: 200' FNL, 780' FWL, Sec 11, T17S, R32E, Unit D
Company:	COG Operating LLC	TVD Reference:	KB @ 4184.0usft (United 43)
Project:	Lea County, NM	MD Reference:	KB @ 4184.0usft (United 43)
Site:	Pan Head Fee #22H	North Reference:	Grid
Well:	SHL: 200' FNL, 780' FWL, Sec 11, T17S, R32E, Unit D	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 988' FNL, 988' FWL, Sec 14, T17S, R32E, Unit D		
Design:	Plan #1		

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

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well SHL: 200' FNL, 780' FWL, Sec 11, T17S, R32E, Unit D
Company:	COG Operating LLC	TVD Reference:	KB @ 4184.0usft (United 43)
Project:	Lea County, NM	MD Reference:	KB @ 4184.0usft (United 43)
Site:	Pan Head Fee #22H	North Reference:	Grid
Well:	SHL: 200' FNL, 780' FWL, Sec 11, T17S, R32E, Unit D	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 988' FNL, 988' FWL, Sec 14, T17S, R32E, Unit D		
Design:	Plan #1		

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)
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
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
5,929.1	0.00	0.00	5,929.1	0.0	0.0	0.0	0.00	0.00	0.00
KOP - Start DLS 11.00 TFO 177.70									
5,950.0	2.30	177.70	5,950.0	-0.4	0.0	0.4	11.00	11.00	0.00
6,000.0	7.80	177.70	5,999.8	-4.8	0.2	4.8	11.00	11.00	0.00
6,050.0	13.30	177.70	6,048.9	-14.0	0.6	14.0	11.00	11.00	0.00
6,100.0	18.80	177.70	6,097.0	-27.8	1.1	27.8	11.00	11.00	0.00
6,150.0	24.30	177.70	6,143.4	-46.1	1.8	46.1	11.00	11.00	0.00
6,200.0	29.80	177.70	6,188.0	-68.8	2.8	68.9	11.00	11.00	0.00
6,250.0	35.30	177.70	6,230.1	-95.7	3.8	95.8	11.00	11.00	0.00
6,300.0	40.80	177.70	6,269.4	-126.5	5.1	126.6	11.00	11.00	0.00
6,350.0	46.30	177.70	6,305.7	-160.9	6.5	161.0	11.00	11.00	0.00
6,400.0	51.80	177.70	6,338.4	-198.6	8.0	198.8	11.00	11.00	0.00
6,450.0	57.30	177.70	6,367.4	-239.3	9.6	239.5	11.00	11.00	0.00
6,500.0	62.80	177.70	6,392.4	-282.5	11.3	282.8	11.00	11.00	0.00
6,550.0	68.30	177.70	6,413.1	-328.0	13.2	328.3	11.00	11.00	0.00
6,600.0	73.80	177.70	6,429.3	-375.2	15.1	375.5	11.00	11.00	0.00
6,650.0	79.30	177.70	6,440.9	-423.8	17.0	424.2	11.00	11.00	0.00
6,700.0	84.80	177.70	6,447.8	-473.3	19.0	473.7	11.00	11.00	0.00
6,747.3	90.00	177.70	6,450.0	-520.4	20.9	520.9	11.00	11.00	0.00
EOC - Start 5548.4 hold at 6747.3 MD									
6,800.0	90.00	177.70	6,450.0	-573.1	23.0	573.6	0.00	0.00	0.00
6,900.0	90.00	177.70	6,450.0	-673.0	27.0	673.6	0.00	0.00	0.00
7,000.0	90.00	177.70	6,450.0	-773.0	31.0	773.6	0.00	0.00	0.00
7,100.0	90.00	177.70	6,450.0	-872.9	35.0	873.6	0.00	0.00	0.00
7,200.0	90.00	177.70	6,450.0	-972.8	39.0	973.6	0.00	0.00	0.00
7,300.0	90.00	177.70	6,450.0	-1,072.7	43.0	1,073.6	0.00	0.00	0.00
7,400.0	90.00	177.70	6,450.0	-1,172.6	47.0	1,173.6	0.00	0.00	0.00
7,500.0	90.00	177.70	6,450.0	-1,272.6	51.1	1,273.6	0.00	0.00	0.00
7,600.0	90.00	177.70	6,450.0	-1,372.5	55.1	1,373.6	0.00	0.00	0.00
7,700.0	90.00	177.70	6,450.0	-1,472.4	59.1	1,473.6	0.00	0.00	0.00
7,800.0	90.00	177.70	6,450.0	-1,572.3	63.1	1,573.6	0.00	0.00	0.00
7,900.0	90.00	177.70	6,450.0	-1,672.2	67.1	1,673.6	0.00	0.00	0.00
8,000.0	90.00	177.70	6,450.0	-1,772.2	71.1	1,773.6	0.00	0.00	0.00
8,100.0	90.00	177.70	6,450.0	-1,872.1	75.1	1,873.6	0.00	0.00	0.00
8,200.0	90.00	177.70	6,450.0	-1,972.0	79.1	1,973.6	0.00	0.00	0.00
8,300.0	90.00	177.70	6,450.0	-2,071.9	83.1	2,073.6	0.00	0.00	0.00
8,400.0	90.00	177.70	6,450.0	-2,171.8	87.1	2,173.6	0.00	0.00	0.00
8,500.0	90.00	177.70	6,450.0	-2,271.8	91.1	2,273.6	0.00	0.00	0.00
8,600.0	90.00	177.70	6,450.0	-2,371.7	95.2	2,373.6	0.00	0.00	0.00
8,700.0	90.00	177.70	6,450.0	-2,471.6	99.2	2,473.6	0.00	0.00	0.00
8,800.0	90.00	177.70	6,450.0	-2,571.5	103.2	2,573.6	0.00	0.00	0.00
8,900.0	90.00	177.70	6,450.0	-2,671.4	107.2	2,673.6	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well SHL: 200' FNL, 780' FWL, Sec 11, T17S, R32E, Unit D
Company:	COG Operating LLC	TVD Reference:	KB @ 4184.0usft (United 43)
Project:	Lea County, NM	MD Reference:	KB @ 4184.0usft (United 43)
Site:	Pan Head Fee #22H	North Reference:	Grid
Well:	SHL: 200' FNL, 780' FWL, Sec 11, T17S, R32E, Unit D	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 988' FNL, 988' FWL, Sec 14, T17S, R32E, Unit D		
Design:	Plan #1		

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)
9,000.0	90.00	177.70	6,450.0	-2,771.4	111.2	2,773.6	0.00	0.00	0.00
9,100.0	90.00	177.70	6,450.0	-2,871.3	115.2	2,873.6	0.00	0.00	0.00
9,200.0	90.00	177.70	6,450.0	-2,971.2	119.2	2,973.6	0.00	0.00	0.00
9,300.0	90.00	177.70	6,450.0	-3,071.1	123.2	3,073.6	0.00	0.00	0.00
9,400.0	90.00	177.70	6,450.0	-3,171.0	127.2	3,173.6	0.00	0.00	0.00
9,500.0	90.00	177.70	6,450.0	-3,271.0	131.2	3,273.6	0.00	0.00	0.00
9,600.0	90.00	177.70	6,450.0	-3,370.9	135.2	3,373.6	0.00	0.00	0.00
9,700.0	90.00	177.70	6,450.0	-3,470.8	139.2	3,473.6	0.00	0.00	0.00
9,800.0	90.00	177.70	6,450.0	-3,570.7	143.3	3,573.6	0.00	0.00	0.00
9,900.0	90.00	177.70	6,450.0	-3,670.6	147.3	3,673.6	0.00	0.00	0.00
10,000.0	90.00	177.70	6,450.0	-3,770.6	151.3	3,773.6	0.00	0.00	0.00
10,100.0	90.00	177.70	6,450.0	-3,870.5	155.3	3,873.6	0.00	0.00	0.00
10,200.0	90.00	177.70	6,450.0	-3,970.4	159.3	3,973.6	0.00	0.00	0.00
10,300.0	90.00	177.70	6,450.0	-4,070.3	163.3	4,073.6	0.00	0.00	0.00
10,400.0	90.00	177.70	6,450.0	-4,170.2	167.3	4,173.6	0.00	0.00	0.00
10,500.0	90.00	177.70	6,450.0	-4,270.2	171.3	4,273.6	0.00	0.00	0.00
10,600.0	90.00	177.70	6,450.0	-4,370.1	175.3	4,373.6	0.00	0.00	0.00
10,700.0	90.00	177.70	6,450.0	-4,470.0	179.3	4,473.6	0.00	0.00	0.00
10,800.0	90.00	177.70	6,450.0	-4,569.9	183.3	4,573.6	0.00	0.00	0.00
10,900.0	90.00	177.70	6,450.0	-4,669.8	187.4	4,673.6	0.00	0.00	0.00
11,000.0	90.00	177.70	6,450.0	-4,769.8	191.4	4,773.6	0.00	0.00	0.00
11,100.0	90.00	177.70	6,450.0	-4,869.7	195.4	4,873.6	0.00	0.00	0.00
11,200.0	90.00	177.70	6,450.0	-4,969.6	199.4	4,973.6	0.00	0.00	0.00
11,300.0	90.00	177.70	6,450.0	-5,069.5	203.4	5,073.6	0.00	0.00	0.00
11,400.0	90.00	177.70	6,450.0	-5,169.4	207.4	5,173.6	0.00	0.00	0.00
11,500.0	90.00	177.70	6,450.0	-5,269.3	211.4	5,273.6	0.00	0.00	0.00
11,600.0	90.00	177.70	6,450.0	-5,369.3	215.4	5,373.6	0.00	0.00	0.00
11,700.0	90.00	177.70	6,450.0	-5,469.2	219.4	5,473.6	0.00	0.00	0.00
11,800.0	90.00	177.70	6,450.0	-5,569.1	223.4	5,573.6	0.00	0.00	0.00
11,900.0	90.00	177.70	6,450.0	-5,669.0	227.4	5,673.6	0.00	0.00	0.00
12,000.0	90.00	177.70	6,450.0	-5,768.9	231.4	5,773.6	0.00	0.00	0.00
12,100.0	90.00	177.70	6,450.0	-5,868.9	235.5	5,873.6	0.00	0.00	0.00
12,200.0	90.00	177.70	6,450.0	-5,968.8	239.5	5,973.6	0.00	0.00	0.00
12,295.7	90.00	177.70	6,450.0	-6,064.4	243.3	6,069.3	0.00	0.00	0.00
TD at 12295.7									

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well SHL: 200' FNL, 780' FWL, Sec 11, T17S, R32E, Unit D
Company:	COG Operating LLC	TVD Reference:	KB @ 4184.0usft (United 43)
Project:	Lea County, NM	MD Reference:	KB @ 4184.0usft (United 43)
Site:	Pan Head Fee #22H	North Reference:	Grid
Well:	SHL: 200' FNL, 780' FWL, Sec 11, T17S, R32E, Unit D	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 988' FNL, 988' FWL, Sec 14, T17S, R32E, Unit D		
Design:	Plan #1		

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PP (PHF #22H/OH Plan - plan hits target center - Point	0.00	0.00	6,273.5	-130.0	5.2	675,379.80	681,394.61	32° 51' 19.111 N	103° 44' 33.485 W
EOC (PHF #22H/OH Plan - plan hits target center - Point	0.00	0.00	6,450.0	-520.5	20.9	674,989.32	681,410.28	32° 51' 15.246 N	103° 44' 33.327 W
BHL (PHF #22H/OH Plan - plan hits target center - Point	0.00	0.00	6,450.0	-6,064.4	243.3	669,445.40	681,632.70	32° 50' 20.377 N	103° 44' 31.084 W

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
+N/-S (usft)	+E/-W (usft)			
5,929.1	5,929.1	0.0	0.0	KOP - Start DLS 11.00 TFO 177.70
6,747.3	6,450.0	-520.4	20.9	EOC - Start 5548.4 hold at 6747.3 MD
12,295.7	6,450.0	-6,064.4	243.3	TD at 12295.7



Section Details

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.00	0.0	0.0
2	5929.1	0.00	0.00	5929.1	0.0	0.00	0.00	0.00	0.0	0.0
3	6747.3	90.00	177.70	6450.0	-520.4	20.9	11.00	177.70	520.9	BHL (PHF #22H/OH)
4	12295.7	90.00	177.70	6450.0	-5064.4	243.3	0.00	0.00	5069.3	BHL (PHF #22H/OH)

COG Operating LLC

Project: Lea County, NM

Site: Pan Head Fee #22H

Well: SHL: 200' FNL, 780' FWL, Sec 11, T17S, R32E, Unit D

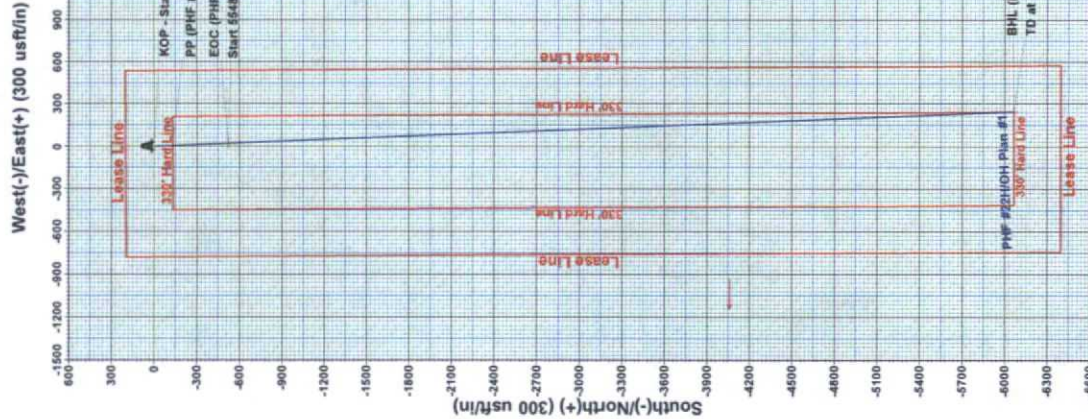
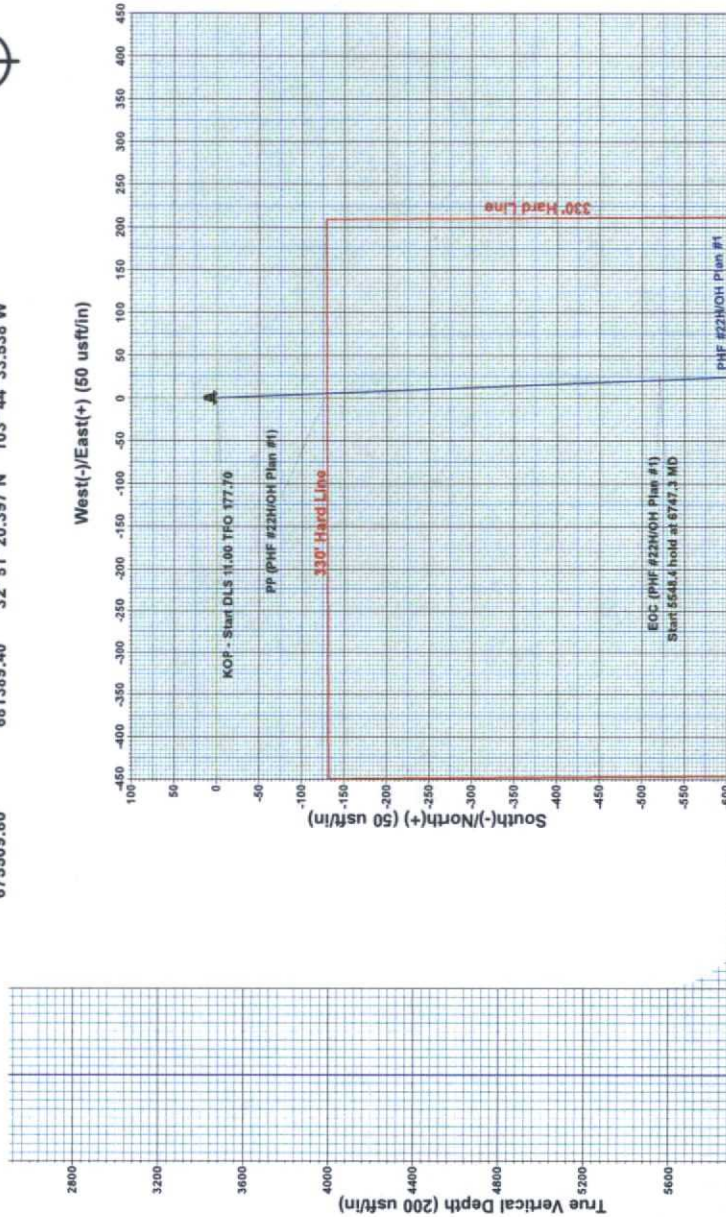
Wellbore: BHL: 988' FNL, 988' FWL, Sec 14, T17S, R32E, Unit D

Plan: Plan #1 (SHL: 200' FNL, 780' FWL, Sec 11, T17S, R32E, Unit D/BHL: 988' FNL, 988' FWL, Sec 14, T17S, R32E, Unit D)

Ground Elevation: 4172.0

RKB Elevation: KB @ 4184.0usft (United 43)

Northing 675509.80
Easting 681389.40
Latitude 32° 51' 20.397 N
Longitude 103° 44' 33.538 W



Terra Directional Services LLC
322 Spring Hill Drive, Suite A300, Spring, Tx 77386
Phone: 432-425-7532

PROJECT DETAILS: Lea County, NM
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level
Local North: Grid