

DEC 26 2012

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30-025-40899

Archer

COG Operating, LLC

Lea County(NM27E)

Sec.11-T17S-R32E

Pan Head Fee #2H

Wellbore #1

Plan: Design #2

Standard Planning Report

11 December, 2012



JAN. 08 2013



Database:	EDMDBBW	Local Co-ordinate Reference:	Well Pan Head Fee #2H
Company:	COG Operating, LLC	TVD Reference:	WELL @ 4180.00usft (Original Well Elev)
Project:	Lea County(NM27E)	MD Reference:	WELL @ 4180.00usft (Original Well Elev)
Site:	Sec.11-T17S-R32E	North Reference:	Grid
Well:	Pan Head Fee #2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

Project:	Lea County(NM27E)		
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:	Sec.11-T17S-R32E		
Site Position:		Northing:	675,378.000 usft
From:	Map	Easting:	680,940.300 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"
		Latitude:	32° 51' 19.118 N
		Longitude:	103° 44' 38.811 W
		Grid Convergence:	0.32 °

Well:	Pan Head Fee #2H		
Well Position	+N/-S	2.80 usft	Northing:
	+E/-W	659.80 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 51' 19.109 N
		Longitude:	103° 44' 31.076 W
		Ground Level:	4,163.00 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010	11/27/12	7.53
			Dip Angle
			(°)
			60.70
			Field Strength
			(nT)
			48,827

Design:	Design #2		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			179.68

Plan Sections										
Measured	Inclination	Azimuth	Vertical			Dogleg	Build	Turn		
Depth	(°)	(°)	Depth	+N/-S	+E/-W	Rate	Rate	Rate	TFO	Target
(usft)			(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)	(°)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,322.61	0.00	0.00	6,322.61	0.00	0.00	0.00	0.00	0.00	0.00	
7,080.94	91.00	179.68	6,800.00	-485.79	2.72	12.00	12.00	0.00	179.68	Pan Head Fee #2H PI
13,848.89	91.00	179.68	6,681.89	-7,252.60	40.60	0.00	0.00	0.00	0.00	Pan Head Fee #2H PI



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Wellbore:	Wellbore #1		
Design:	Design #2		

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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00

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Planned Survey										
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5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
KOP 12"/100'										
6,322.61	0.00	0.00	6,322.61	0.00	0.00	0.00	0.00	0.00	0.00	
6,325.00	0.29	179.68	6,325.00	-0.01	0.00	0.01	12.00	12.00	0.00	
6,350.00	3.29	179.68	6,349.98	-0.79	0.00	0.79	12.00	12.00	0.00	
6,375.00	6.29	179.68	6,374.89	-2.87	0.02	2.87	12.00	12.00	0.00	
6,400.00	9.29	179.68	6,399.66	-6.26	0.04	6.26	12.00	12.00	0.00	
6,425.00	12.29	179.68	6,424.22	-10.94	0.06	10.94	12.00	12.00	0.00	
6,450.00	15.29	179.68	6,448.49	-16.89	0.09	16.89	12.00	12.00	0.00	
6,475.00	18.29	179.68	6,472.43	-24.11	0.13	24.11	12.00	12.00	0.00	
6,500.00	21.29	179.68	6,495.95	-32.57	0.18	32.58	12.00	12.00	0.00	
6,525.00	24.29	179.68	6,518.99	-42.26	0.24	42.26	12.00	12.00	0.00	
6,550.00	27.29	179.68	6,541.50	-53.13	0.30	53.13	12.00	12.00	0.00	
6,575.00	30.29	179.68	6,563.41	-65.17	0.36	65.17	12.00	12.00	0.00	
6,600.00	33.29	179.68	6,584.66	-78.33	0.44	78.34	12.00	12.00	0.00	
6,625.00	36.29	179.68	6,605.19	-92.60	0.52	92.60	12.00	12.00	0.00	
6,650.00	39.29	179.68	6,624.94	-107.91	0.60	107.91	12.00	12.00	0.00	
6,675.00	42.29	179.68	6,643.87	-124.24	0.70	124.24	12.00	12.00	0.00	
6,700.00	45.29	179.68	6,661.91	-141.54	0.79	141.54	12.00	12.00	0.00	
6,725.00	48.29	179.68	6,679.03	-159.76	0.89	159.76	12.00	12.00	0.00	
6,750.00	51.29	179.68	6,695.17	-178.84	1.00	178.85	12.00	12.00	0.00	
6,775.00	54.29	179.68	6,710.29	-198.75	1.11	198.76	12.00	12.00	0.00	
6,800.00	57.29	179.68	6,724.34	-219.42	1.23	219.43	12.00	12.00	0.00	
6,825.00	60.29	179.68	6,737.30	-240.80	1.35	240.81	12.00	12.00	0.00	
6,850.00	63.29	179.68	6,749.11	-262.83	1.47	262.83	12.00	12.00	0.00	
6,875.00	66.29	179.68	6,759.76	-285.44	1.60	285.45	12.00	12.00	0.00	
6,900.00	69.29	179.68	6,769.21	-308.59	1.73	308.59	12.00	12.00	0.00	
6,925.00	72.29	179.68	6,777.44	-332.19	1.86	332.19	12.00	12.00	0.00	
6,950.00	75.29	179.68	6,784.42	-356.19	1.99	356.20	12.00	12.00	0.00	
6,975.00	78.29	179.68	6,790.13	-380.53	2.13	380.53	12.00	12.00	0.00	
7,000.00	81.29	179.68	6,794.56	-405.13	2.27	405.13	12.00	12.00	0.00	
7,025.00	84.29	179.68	6,797.70	-429.93	2.41	429.93	12.00	12.00	0.00	
7,050.00	87.29	179.68	6,799.54	-454.86	2.55	454.86	12.00	12.00	0.00	
7,075.00	90.29	179.68	6,800.07	-479.85	2.69	479.85	12.00	12.00	0.00	
EOC / Hold to TD										
7,080.94	91.00	179.68	6,800.00	-485.79	2.72	485.80	12.00	12.00	0.00	
7,100.00	91.00	179.68	6,799.67	-504.84	2.83	504.85	0.00	0.00	0.00	
7,200.00	91.00	179.68	6,797.92	-604.83	3.39	604.84	0.00	0.00	0.00	
7,300.00	91.00	179.68	6,796.18	-704.81	3.95	704.82	0.00	0.00	0.00	
7,400.00	91.00	179.68	6,794.43	-804.79	4.51	804.81	0.00	0.00	0.00	
7,500.00	91.00	179.68	6,792.69	-904.78	5.06	904.79	0.00	0.00	0.00	
7,600.00	91.00	179.68	6,790.94	-1,004.76	5.62	1,004.78	0.00	0.00	0.00	
7,700.00	91.00	179.68	6,789.20	-1,104.74	6.18	1,104.76	0.00	0.00	0.00	
7,800.00	91.00	179.68	6,787.45	-1,204.73	6.74	1,204.74	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)
7,900.00	91.00	179.68	6,785.71	-1,304.71	7.30	1,304.73	0.00	0.00	0.00
8,000.00	91.00	179.68	6,783.96	-1,404.69	7.86	1,404.71	0.00	0.00	0.00
8,100.00	91.00	179.68	6,782.22	-1,504.68	8.42	1,504.70	0.00	0.00	0.00
8,200.00	91.00	179.68	6,780.47	-1,604.66	8.98	1,604.68	0.00	0.00	0.00
8,300.00	91.00	179.68	6,778.73	-1,704.64	9.54	1,704.67	0.00	0.00	0.00
8,400.00	91.00	179.68	6,776.98	-1,804.63	10.10	1,804.65	0.00	0.00	0.00
8,500.00	91.00	179.68	6,775.24	-1,904.61	10.66	1,904.64	0.00	0.00	0.00
8,600.00	91.00	179.68	6,773.49	-2,004.59	11.22	2,004.62	0.00	0.00	0.00
8,700.00	91.00	179.68	6,771.75	-2,104.57	11.78	2,104.61	0.00	0.00	0.00
8,800.00	91.00	179.68	6,770.00	-2,204.56	12.34	2,204.59	0.00	0.00	0.00
8,900.00	91.00	179.68	6,768.26	-2,304.54	12.90	2,304.58	0.00	0.00	0.00
9,000.00	91.00	179.68	6,766.51	-2,404.52	13.46	2,404.56	0.00	0.00	0.00
9,100.00	91.00	179.68	6,764.76	-2,504.51	14.02	2,504.55	0.00	0.00	0.00
9,200.00	91.00	179.68	6,763.02	-2,604.49	14.58	2,604.53	0.00	0.00	0.00
9,300.00	91.00	179.68	6,761.27	-2,704.47	15.14	2,704.52	0.00	0.00	0.00
9,400.00	91.00	179.68	6,759.53	-2,804.46	15.70	2,804.50	0.00	0.00	0.00
9,500.00	91.00	179.68	6,757.78	-2,904.44	16.26	2,904.49	0.00	0.00	0.00
9,600.00	91.00	179.68	6,756.04	-3,004.42	16.82	3,004.47	0.00	0.00	0.00
9,700.00	91.00	179.68	6,754.29	-3,104.41	17.38	3,104.46	0.00	0.00	0.00
9,800.00	91.00	179.68	6,752.55	-3,204.39	17.94	3,204.44	0.00	0.00	0.00
9,900.00	91.00	179.68	6,750.80	-3,304.37	18.50	3,304.43	0.00	0.00	0.00
10,000.00	91.00	179.68	6,749.06	-3,404.36	19.06	3,404.41	0.00	0.00	0.00
10,100.00	91.00	179.68	6,747.31	-3,504.34	19.62	3,504.39	0.00	0.00	0.00
10,200.00	91.00	179.68	6,745.57	-3,604.32	20.18	3,604.38	0.00	0.00	0.00
10,300.00	91.00	179.68	6,743.82	-3,704.31	20.74	3,704.36	0.00	0.00	0.00
10,400.00	91.00	179.68	6,742.08	-3,804.29	21.30	3,804.35	0.00	0.00	0.00
10,500.00	91.00	179.68	6,740.33	-3,904.27	21.86	3,904.33	0.00	0.00	0.00
10,600.00	91.00	179.68	6,738.59	-4,004.26	22.42	4,004.32	0.00	0.00	0.00
10,700.00	91.00	179.68	6,736.84	-4,104.24	22.98	4,104.30	0.00	0.00	0.00
10,800.00	91.00	179.68	6,735.10	-4,204.22	23.54	4,204.29	0.00	0.00	0.00
10,900.00	91.00	179.68	6,733.35	-4,304.21	24.09	4,304.27	0.00	0.00	0.00
11,000.00	91.00	179.68	6,731.61	-4,404.19	24.65	4,404.26	0.00	0.00	0.00
11,100.00	91.00	179.68	6,729.86	-4,504.17	25.21	4,504.24	0.00	0.00	0.00
11,200.00	91.00	179.68	6,728.11	-4,604.15	25.77	4,604.23	0.00	0.00	0.00
11,300.00	91.00	179.68	6,726.37	-4,704.14	26.33	4,704.21	0.00	0.00	0.00
11,400.00	91.00	179.68	6,724.62	-4,804.12	26.89	4,804.20	0.00	0.00	0.00
11,500.00	91.00	179.68	6,722.88	-4,904.10	27.45	4,904.18	0.00	0.00	0.00
11,600.00	91.00	179.68	6,721.13	-5,004.09	28.01	5,004.17	0.00	0.00	0.00
11,700.00	91.00	179.68	6,719.39	-5,104.07	28.57	5,104.15	0.00	0.00	0.00
11,800.00	91.00	179.68	6,717.64	-5,204.05	29.13	5,204.14	0.00	0.00	0.00
11,900.00	91.00	179.68	6,715.90	-5,304.04	29.69	5,304.12	0.00	0.00	0.00
12,000.00	91.00	179.68	6,714.15	-5,404.02	30.25	5,404.11	0.00	0.00	0.00
12,100.00	91.00	179.68	6,712.41	-5,504.00	30.81	5,504.09	0.00	0.00	0.00
12,200.00	91.00	179.68	6,710.66	-5,603.99	31.37	5,604.07	0.00	0.00	0.00
12,300.00	91.00	179.68	6,708.92	-5,703.97	31.93	5,704.06	0.00	0.00	0.00
12,400.00	91.00	179.68	6,707.17	-5,803.95	32.49	5,804.04	0.00	0.00	0.00
12,500.00	91.00	179.68	6,705.43	-5,903.94	33.05	5,904.03	0.00	0.00	0.00
12,600.00	91.00	179.68	6,703.68	-6,003.92	33.61	6,004.01	0.00	0.00	0.00
12,700.00	91.00	179.68	6,701.94	-6,103.90	34.17	6,104.00	0.00	0.00	0.00
12,800.00	91.00	179.68	6,700.19	-6,203.89	34.73	6,203.98	0.00	0.00	0.00
12,900.00	91.00	179.68	6,698.45	-6,303.87	35.29	6,303.97	0.00	0.00	0.00
13,000.00	91.00	179.68	6,696.70	-6,403.85	35.85	6,403.95	0.00	0.00	0.00
13,100.00	91.00	179.68	6,694.96	-6,503.84	36.41	6,503.94	0.00	0.00	0.00
13,200.00	91.00	179.68	6,693.21	-6,603.82	36.97	6,603.92	0.00	0.00	0.00

Database:	EDMDBBW	Local Co-ordinate Reference:	Well Pan Head Fee #2H
Company:	COG Operating, LLC	TVD Reference:	WELL @ 4180.00usft (Original Well Elev)
Project:	Lea County(NM27E)	MD Reference:	WELL @ 4180.00usft (Original Well Elev)
Site:	Sec.11-T17S-R32E	North Reference:	Grid
Well:	Pan Head Fee #2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

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)
13,300.00	91.00	179.68	6,691.46	-6,703.80	37.53	6,703.91	0.00	0.00	0.00
13,400.00	91.00	179.68	6,689.72	-6,803.79	38.09	6,803.89	0.00	0.00	0.00
13,500.00	91.00	179.68	6,687.97	-6,903.77	38.65	6,903.88	0.00	0.00	0.00
13,600.00	91.00	179.68	6,686.23	-7,003.75	39.21	7,003.86	0.00	0.00	0.00
13,700.00	91.00	179.68	6,684.48	-7,103.73	39.77	7,103.85	0.00	0.00	0.00
13,800.00	91.00	179.68	6,682.74	-7,203.72	40.33	7,203.83	0.00	0.00	0.00
TD at 13848.89									
13,848.89	91.00	179.68	6,681.89	-7,252.60	40.60	7,252.71	0.00	0.00	0.00

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									
Pan Head Fee #2H PBH	0.00	0.00	6,681.89	-7,252.60	40.60	668,128.200	681,640.700	32° 50' 7.343 N	103° 44' 31.076 W
- plan hits target center									
- Point									

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
6,322.61	6,322.61	0.00	0.00	KOP 12"/100'
7,080.94	6,800.00	-485.79	2.72	EOC / Hold to TD
13,848.89	6,681.89	-7,252.60	40.60	TD at 13848.89



Project: Lea County(NM27E)
Site: Sec.11-T17S-R32E
Well: Pan Head Fee #2H
Wellbore: Wellbore #1
Design: Design #2
Lat: 32° 51' 19.109 N
Long: 103° 44' 31.076 W
GL: 4163.00
KB: WELL @ 4180.00usft (Original Well Elev)

Archer

SECTION DETAILS

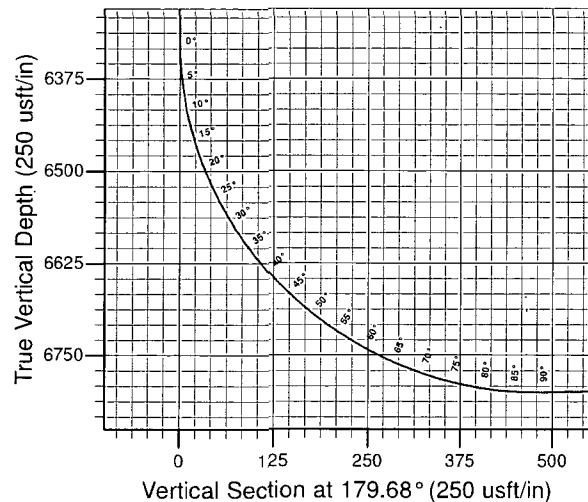
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6322.61	0.00	0.00	6322.61	0.00	0.00	0.00	0.00	0.00	KOP 12°100'
7080.94	91.00	179.68	6800.00	-485.79	2.72	12.00	179.68	485.80	EOC / Hold to TD
13848.89	91.00	179.68	6681.89	-7252.60	40.60	0.00	0.00	7252.71	TD at 13848.89

WELL DETAILS: Pan Head Fee #2H

+N/-S	+E/-W	Northing	Ground Level: Easting	4163.00 Latitude	Longitude	Slot
0.00	0.00	675380.800	681600.100	32° 51' 19.109 N	103° 44' 31.076 W	

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape Point
Pan Head Fee #2H PBHL	6681.89	-7252.60	40.60	32° 50' 7.343 N	103° 44' 31.076 W	



PROJECT DETAILS: Lea County(NM27E)

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

SITE DETAILS: Sec.11-T17S-R32E

Site Centre Latitude: 32° 51' 19.118 N
Longitude: 103° 44' 38.811 W

Positional Uncertainty: 0.00
Convergence: 0.32
Local North: Grid

