



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Hound 30 Fed

#701H

OH

Plan: Plan #0.1

Standard Planning Report

22 August, 2016

HOBBS OCD

FEB 06 2017

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EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Hound 30 Fed
Well: #701H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #701H
TVD Reference: KB = 25' @ 3342.0usft
MD Reference: KB = 25' @ 3342.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project Lea County, NM (NAD 27 NME)

Map System: US State Plane 1927 (Exact solution)
Geo Datum: NAD 1927 (NADCON CONUS)
Map Zone: New Mexico East 3001

System Datum: Mean Sea Level

Site Hound 30 Fed

Site Position: Northing: 401,122.00 usft Latitude: 32° 6' 0.564 N
From: Map Easting: 753,414.00 usft Longitude: 103° 30' 53.914 W
Position Uncertainty: 0.0 usft Slot Radius: 13-3/16" Grid Convergence: 0.43°

Well #701H

Well Position +N/-S 0.0 usft Northing: 401,122.00 usft Latitude: 32° 6' 0.564 N
 +E/-W 0.0 usft Easting: 753,414.00 usft Longitude: 103° 30' 53.914 W
Position Uncertainty 0.0 usft Wellhead Elevation: 0.0 usft Ground Level: 3,317.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	8/22/2016	7.01	59.97	47,955

Design Plan #0.1

Audit Notes:

Version: Phase: PLAN Tie On Depth: 0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	182.07

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	
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,881.2	3.81	322.88	4,880.9	10.1	-7.6	1.00	1.00	0.00	322.88	
12,091.7	3.81	322.88	12,075.5	392.4	-296.9	0.00	0.00	0.00	0.00	
12,860.5	89.20	179.59	12,578.0	-77.9	-313.3	12.00	11.11	-18.64	-143.26	
20,030.5	89.20	179.59	12,678.1	-7,247.0	-262.0	0.00	0.00	0.00	0.00	PBHL (Hound 30 Fed)



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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)
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	1.00	322.88	4,600.0	0.7	-0.5	-0.7	1.00	1.00	0.00
4,700.0	2.00	322.88	4,700.0	2.8	-2.1	-2.7	1.00	1.00	0.00
4,800.0	3.00	322.88	4,799.9	6.3	-4.7	-6.1	1.00	1.00	0.00
4,881.2	3.81	322.88	4,880.9	10.1	-7.6	-9.8	1.00	1.00	0.00
4,900.0	3.81	322.88	4,899.7	11.1	-8.4	-10.8	0.00	0.00	0.00
5,000.0	3.81	322.88	4,999.5	16.4	-12.4	-15.9	0.00	0.00	0.00
5,100.0	3.81	322.88	5,099.2	21.7	-16.4	-21.1	0.00	0.00	0.00
5,200.0	3.81	322.88	5,199.0	27.0	-20.4	-26.3	0.00	0.00	0.00



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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)
5,300.0	3.81	322.88	5,298.8	32.3	-24.5	-31.4	0.00	0.00	0.00
5,400.0	3.81	322.88	5,398.6	37.6	-28.5	-36.6	0.00	0.00	0.00
5,500.0	3.81	322.88	5,498.3	42.9	-32.5	-41.7	0.00	0.00	0.00
5,600.0	3.81	322.88	5,598.1	48.2	-36.5	-46.9	0.00	0.00	0.00
5,700.0	3.81	322.88	5,697.9	53.5	-40.5	-52.0	0.00	0.00	0.00
5,800.0	3.81	322.88	5,797.7	58.8	-44.5	-57.2	0.00	0.00	0.00
5,900.0	3.81	322.88	5,897.5	64.1	-48.5	-62.3	0.00	0.00	0.00
6,000.0	3.81	322.88	5,997.2	69.4	-52.5	-67.5	0.00	0.00	0.00
6,100.0	3.81	322.88	6,097.0	74.7	-56.5	-72.6	0.00	0.00	0.00
6,200.0	3.81	322.88	6,196.8	80.0	-60.6	-77.8	0.00	0.00	0.00
6,300.0	3.81	322.88	6,296.6	85.3	-64.6	-82.9	0.00	0.00	0.00
6,400.0	3.81	322.88	6,396.4	90.6	-68.6	-88.1	0.00	0.00	0.00
6,500.0	3.81	322.88	6,496.1	95.9	-72.6	-93.2	0.00	0.00	0.00
6,600.0	3.81	322.88	6,595.9	101.2	-76.6	-98.4	0.00	0.00	0.00
6,700.0	3.81	322.88	6,695.7	106.5	-80.6	-103.5	0.00	0.00	0.00
6,800.0	3.81	322.88	6,795.5	111.8	-84.6	-108.7	0.00	0.00	0.00
6,900.0	3.81	322.88	6,895.3	117.1	-88.6	-113.9	0.00	0.00	0.00
7,000.0	3.81	322.88	6,995.0	122.4	-92.7	-119.0	0.00	0.00	0.00
7,100.0	3.81	322.88	7,094.8	127.7	-96.7	-124.2	0.00	0.00	0.00
7,200.0	3.81	322.88	7,194.6	133.0	-100.7	-129.3	0.00	0.00	0.00
7,300.0	3.81	322.88	7,294.4	138.3	-104.7	-134.5	0.00	0.00	0.00
7,400.0	3.81	322.88	7,394.1	143.6	-108.7	-139.6	0.00	0.00	0.00
7,500.0	3.81	322.88	7,493.9	148.9	-112.7	-144.8	0.00	0.00	0.00
7,600.0	3.81	322.88	7,593.7	154.2	-116.7	-149.9	0.00	0.00	0.00
7,700.0	3.81	322.88	7,693.5	159.5	-120.7	-155.1	0.00	0.00	0.00
7,800.0	3.81	322.88	7,793.3	164.8	-124.7	-160.2	0.00	0.00	0.00
7,900.0	3.81	322.88	7,893.0	170.1	-128.8	-165.4	0.00	0.00	0.00
8,000.0	3.81	322.88	7,992.8	175.4	-132.8	-170.5	0.00	0.00	0.00
8,100.0	3.81	322.88	8,092.6	180.8	-136.8	-175.7	0.00	0.00	0.00
8,200.0	3.81	322.88	8,192.4	186.1	-140.8	-180.8	0.00	0.00	0.00
8,300.0	3.81	322.88	8,292.2	191.4	-144.8	-186.0	0.00	0.00	0.00
8,400.0	3.81	322.88	8,391.9	196.7	-148.8	-191.2	0.00	0.00	0.00
8,500.0	3.81	322.88	8,491.7	202.0	-152.8	-196.3	0.00	0.00	0.00
8,600.0	3.81	322.88	8,591.5	207.3	-156.8	-201.5	0.00	0.00	0.00
8,700.0	3.81	322.88	8,691.3	212.6	-160.9	-206.6	0.00	0.00	0.00
8,800.0	3.81	322.88	8,791.0	217.9	-164.9	-211.8	0.00	0.00	0.00
8,900.0	3.81	322.88	8,890.8	223.2	-168.9	-216.9	0.00	0.00	0.00
9,000.0	3.81	322.88	8,990.6	228.5	-172.9	-222.1	0.00	0.00	0.00
9,100.0	3.81	322.88	9,090.4	233.8	-176.9	-227.2	0.00	0.00	0.00
9,200.0	3.81	322.88	9,190.2	239.1	-180.9	-232.4	0.00	0.00	0.00
9,300.0	3.81	322.88	9,289.9	244.4	-184.9	-237.5	0.00	0.00	0.00
9,400.0	3.81	322.88	9,389.7	249.7	-188.9	-242.7	0.00	0.00	0.00
9,500.0	3.81	322.88	9,489.5	255.0	-193.0	-247.8	0.00	0.00	0.00
9,600.0	3.81	322.88	9,589.3	260.3	-197.0	-253.0	0.00	0.00	0.00
9,700.0	3.81	322.88	9,689.1	265.6	-201.0	-258.1	0.00	0.00	0.00
9,800.0	3.81	322.88	9,788.8	270.9	-205.0	-263.3	0.00	0.00	0.00
9,900.0	3.81	322.88	9,888.6	276.2	-209.0	-268.4	0.00	0.00	0.00
10,000.0	3.81	322.88	9,988.4	281.5	-213.0	-273.6	0.00	0.00	0.00
10,100.0	3.81	322.88	10,088.2	286.8	-217.0	-278.8	0.00	0.00	0.00
10,200.0	3.81	322.88	10,188.0	292.1	-221.0	-283.9	0.00	0.00	0.00
10,300.0	3.81	322.88	10,287.7	297.4	-225.0	-289.1	0.00	0.00	0.00
10,400.0	3.81	322.88	10,387.5	302.7	-229.1	-294.2	0.00	0.00	0.00
10,500.0	3.81	322.88	10,487.3	308.0	-233.1	-299.4	0.00	0.00	0.00
10,600.0	3.81	322.88	10,587.1	313.3	-237.1	-304.5	0.00	0.00	0.00



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10,700.0	3.81	322.88	10,686.8	318.6	-241.1	-309.7	0.00	0.00	0.00
10,800.0	3.81	322.88	10,786.6	323.9	-245.1	-314.8	0.00	0.00	0.00
10,900.0	3.81	322.88	10,886.4	329.2	-249.1	-320.0	0.00	0.00	0.00
11,000.0	3.81	322.88	10,986.2	334.5	-253.1	-325.1	0.00	0.00	0.00
11,100.0	3.81	322.88	11,086.0	339.8	-257.1	-330.3	0.00	0.00	0.00
11,200.0	3.81	322.88	11,185.7	345.1	-261.2	-335.4	0.00	0.00	0.00
11,300.0	3.81	322.88	11,285.5	350.4	-265.2	-340.6	0.00	0.00	0.00
11,400.0	3.81	322.88	11,385.3	355.7	-269.2	-345.7	0.00	0.00	0.00
11,500.0	3.81	322.88	11,485.1	361.0	-273.2	-350.9	0.00	0.00	0.00
11,600.0	3.81	322.88	11,584.9	366.3	-277.2	-356.0	0.00	0.00	0.00
11,700.0	3.81	322.88	11,684.6	371.6	-281.2	-361.2	0.00	0.00	0.00
11,800.0	3.81	322.88	11,784.4	376.9	-285.2	-366.4	0.00	0.00	0.00
11,900.0	3.81	322.88	11,884.2	382.2	-289.2	-371.5	0.00	0.00	0.00
12,000.0	3.81	322.88	11,984.0	387.5	-293.2	-376.7	0.00	0.00	0.00
12,091.7	3.81	322.88	12,075.5	392.4	-296.9	-381.4	0.00	0.00	0.00
12,100.0	3.08	311.77	12,083.8	392.7	-297.3	-381.7	12.00	-8.92	-134.60
12,125.0	2.46	247.27	12,108.7	393.0	-298.3	-381.9	12.00	-2.45	-258.02
12,150.0	4.55	209.60	12,133.7	391.9	-299.2	-380.8	12.00	8.33	-150.68
12,175.0	7.30	197.67	12,158.5	389.5	-300.2	-378.4	12.00	11.01	-47.73
12,200.0	10.19	192.35	12,183.3	385.9	-301.2	-374.7	12.00	11.57	-21.26
12,225.0	13.13	189.38	12,207.7	380.9	-302.1	-369.7	12.00	11.76	-11.87
12,250.0	16.09	187.49	12,231.9	374.7	-303.0	-363.5	12.00	11.85	-7.58
12,275.0	19.07	186.17	12,255.8	367.2	-303.9	-355.9	12.00	11.89	-5.27
12,300.0	22.05	185.20	12,279.2	358.4	-304.8	-347.2	12.00	11.92	-3.89
12,325.0	25.03	184.45	12,302.1	348.5	-305.6	-337.2	12.00	11.94	-3.00
12,350.0	28.02	183.85	12,324.4	337.3	-306.4	-326.1	12.00	11.95	-2.40
12,375.0	31.01	183.35	12,346.2	325.1	-307.2	-313.7	12.00	11.96	-1.97
12,400.0	34.00	182.94	12,367.3	311.6	-307.9	-300.3	12.00	11.97	-1.66
12,425.0	36.99	182.59	12,387.6	297.1	-308.6	-285.8	12.00	11.97	-1.42
12,450.0	39.99	182.28	12,407.2	281.6	-309.3	-270.2	12.00	11.98	-1.23
12,475.0	42.98	182.01	12,425.9	265.1	-309.9	-253.7	12.00	11.98	-1.09
12,500.0	45.98	181.76	12,443.8	247.5	-310.5	-236.2	12.00	11.98	-0.97
12,525.0	48.97	181.54	12,460.7	229.1	-311.0	-217.7	12.00	11.98	-0.88
12,550.0	51.97	181.34	12,476.6	209.9	-311.5	-198.5	12.00	11.98	-0.80
12,575.0	54.97	181.16	12,491.4	189.8	-311.9	-178.4	12.00	11.99	-0.74
12,600.0	57.96	180.99	12,505.3	168.9	-312.3	-157.6	12.00	11.99	-0.69
12,625.0	60.96	180.82	12,518.0	147.4	-312.7	-136.0	12.00	11.99	-0.64
12,650.0	63.96	180.67	12,529.5	125.3	-312.9	-113.9	12.00	11.99	-0.61
12,675.0	66.95	180.53	12,539.9	102.5	-313.2	-91.1	12.00	11.99	-0.58
12,679.3	67.46	180.50	12,541.5	98.6	-313.2	-87.2	12.00	11.99	-0.56
FTP (Hound 30 Fed #701H)									
12,700.0	69.95	180.39	12,549.1	79.3	-313.4	-67.9	12.00	11.99	-0.55
12,725.0	72.95	180.26	12,557.0	55.6	-313.5	-44.2	12.00	11.99	-0.53
12,750.0	75.95	180.13	12,563.7	31.5	-313.6	-20.1	12.00	11.99	-0.51
12,775.0	78.94	180.00	12,569.2	7.1	-313.6	4.2	12.00	11.99	-0.50
12,800.0	81.94	179.88	12,573.3	-17.6	-313.6	28.9	12.00	11.99	-0.49
12,825.0	84.94	179.76	12,576.2	-42.4	-313.5	53.7	12.00	11.99	-0.48
12,850.0	87.94	179.64	12,577.7	-67.3	-313.4	78.6	12.00	11.99	-0.48
12,860.5	89.20	179.59	12,578.0	-77.9	-313.3	89.2	12.00	11.99	-0.48
12,900.0	89.20	179.59	12,578.5	-117.3	-313.0	128.6	0.00	0.00	0.00
13,000.0	89.20	179.59	12,579.9	-217.3	-312.3	228.5	0.00	0.00	0.00
13,100.0	89.20	179.59	12,581.3	-317.3	-311.6	328.4	0.00	0.00	0.00
13,200.0	89.20	179.59	12,582.7	-417.3	-310.9	428.3	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Hound 30 Fed
Well: #701H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference: KB = 25' @ 3342.0usft
MD Reference: KB = 25' @ 3342.0usft
North Reference: Grid
Survey Calculation Method: 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)
13,300.0	89.20	179.59	12,584.1	-517.3	-310.2	528.2	0.00	0.00	0.00
13,400.0	89.20	179.59	12,585.5	-617.3	-309.4	628.0	0.00	0.00	0.00
13,500.0	89.20	179.59	12,586.9	-717.3	-308.7	727.9	0.00	0.00	0.00
13,600.0	89.20	179.59	12,588.3	-817.2	-308.0	827.8	0.00	0.00	0.00
13,700.0	89.20	179.59	12,589.7	-917.2	-307.3	927.7	0.00	0.00	0.00
13,800.0	89.20	179.59	12,591.1	-1,017.2	-306.6	1,027.6	0.00	0.00	0.00
13,900.0	89.20	179.59	12,592.5	-1,117.2	-305.9	1,127.5	0.00	0.00	0.00
14,000.0	89.20	179.59	12,593.9	-1,217.2	-305.1	1,227.4	0.00	0.00	0.00
14,100.0	89.20	179.59	12,595.3	-1,317.2	-304.4	1,327.3	0.00	0.00	0.00
14,200.0	89.20	179.59	12,596.7	-1,417.2	-303.7	1,427.2	0.00	0.00	0.00
14,300.0	89.20	179.59	12,598.1	-1,517.2	-303.0	1,527.1	0.00	0.00	0.00
14,400.0	89.20	179.59	12,599.5	-1,617.1	-302.3	1,627.0	0.00	0.00	0.00
14,500.0	89.20	179.59	12,600.9	-1,717.1	-301.6	1,726.9	0.00	0.00	0.00
14,600.0	89.20	179.59	12,602.3	-1,817.1	-300.9	1,826.8	0.00	0.00	0.00
14,700.0	89.20	179.59	12,603.7	-1,917.1	-300.1	1,926.7	0.00	0.00	0.00
14,800.0	89.20	179.59	12,605.1	-2,017.1	-299.4	2,026.6	0.00	0.00	0.00
14,900.0	89.20	179.59	12,606.5	-2,117.1	-298.7	2,126.5	0.00	0.00	0.00
15,000.0	89.20	179.59	12,607.9	-2,217.1	-298.0	2,226.4	0.00	0.00	0.00
15,100.0	89.20	179.59	12,609.3	-2,317.1	-297.3	2,326.3	0.00	0.00	0.00
15,200.0	89.20	179.59	12,610.7	-2,417.0	-296.6	2,426.2	0.00	0.00	0.00
15,300.0	89.20	179.59	12,612.1	-2,517.0	-295.8	2,526.1	0.00	0.00	0.00
15,400.0	89.20	179.59	12,613.4	-2,617.0	-295.1	2,626.0	0.00	0.00	0.00
15,500.0	89.20	179.59	12,614.8	-2,717.0	-294.4	2,725.9	0.00	0.00	0.00
15,600.0	89.20	179.59	12,616.2	-2,817.0	-293.7	2,825.8	0.00	0.00	0.00
15,700.0	89.20	179.59	12,617.6	-2,917.0	-293.0	2,925.7	0.00	0.00	0.00
15,800.0	89.20	179.59	12,619.0	-3,017.0	-292.3	3,025.6	0.00	0.00	0.00
15,900.0	89.20	179.59	12,620.4	-3,117.0	-291.6	3,125.5	0.00	0.00	0.00
16,000.0	89.20	179.59	12,621.8	-3,217.0	-290.8	3,225.4	0.00	0.00	0.00
16,100.0	89.20	179.59	12,623.2	-3,316.9	-290.1	3,325.3	0.00	0.00	0.00
16,200.0	89.20	179.59	12,624.6	-3,416.9	-289.4	3,425.2	0.00	0.00	0.00
16,300.0	89.20	179.59	12,626.0	-3,516.9	-288.7	3,525.0	0.00	0.00	0.00
16,400.0	89.20	179.59	12,627.4	-3,616.9	-288.0	3,624.9	0.00	0.00	0.00
16,500.0	89.20	179.59	12,628.8	-3,716.9	-287.3	3,724.8	0.00	0.00	0.00
16,600.0	89.20	179.59	12,630.2	-3,816.9	-286.5	3,824.7	0.00	0.00	0.00
16,700.0	89.20	179.59	12,631.6	-3,916.9	-285.8	3,924.6	0.00	0.00	0.00
16,800.0	89.20	179.59	12,633.0	-4,016.9	-285.1	4,024.5	0.00	0.00	0.00
16,900.0	89.20	179.59	12,634.4	-4,116.8	-284.4	4,124.4	0.00	0.00	0.00
17,000.0	89.20	179.59	12,635.8	-4,216.8	-283.7	4,224.3	0.00	0.00	0.00
17,100.0	89.20	179.59	12,637.2	-4,316.8	-283.0	4,324.2	0.00	0.00	0.00
17,200.0	89.20	179.59	12,638.6	-4,416.8	-282.3	4,424.1	0.00	0.00	0.00
17,300.0	89.20	179.59	12,640.0	-4,516.8	-281.5	4,524.0	0.00	0.00	0.00
17,400.0	89.20	179.59	12,641.4	-4,616.8	-280.8	4,623.9	0.00	0.00	0.00
17,500.0	89.20	179.59	12,642.8	-4,716.8	-280.1	4,723.8	0.00	0.00	0.00
17,600.0	89.20	179.59	12,644.2	-4,816.8	-279.4	4,823.7	0.00	0.00	0.00
17,700.0	89.20	179.59	12,645.6	-4,916.7	-278.7	4,923.6	0.00	0.00	0.00
17,800.0	89.20	179.59	12,647.0	-5,016.7	-278.0	5,023.5	0.00	0.00	0.00
17,900.0	89.20	179.59	12,648.4	-5,116.7	-277.2	5,123.4	0.00	0.00	0.00
18,000.0	89.20	179.59	12,649.7	-5,216.7	-276.5	5,223.3	0.00	0.00	0.00
18,100.0	89.20	179.59	12,651.1	-5,316.7	-275.8	5,323.2	0.00	0.00	0.00
18,200.0	89.20	179.59	12,652.5	-5,416.7	-275.1	5,423.1	0.00	0.00	0.00
18,300.0	89.20	179.59	12,653.9	-5,516.7	-274.4	5,523.0	0.00	0.00	0.00
18,400.0	89.20	179.59	12,655.3	-5,616.7	-273.7	5,622.9	0.00	0.00	0.00
18,500.0	89.20	179.59	12,656.7	-5,716.6	-273.0	5,722.8	0.00	0.00	0.00
18,600.0	89.20	179.59	12,658.1	-5,816.6	-272.2	5,822.7	0.00	0.00	0.00



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Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference: KB = 25' @ 3342.0usft
MD Reference: KB = 25' @ 3342.0usft
North Reference: Grid
Survey Calculation Method: 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)
18,700.0	89.20	179.59	12,659.5	-5,916.6	-271.5	5,922.6	0.00	0.00	0.00
18,800.0	89.20	179.59	12,660.9	-6,016.6	-270.8	6,022.5	0.00	0.00	0.00
18,900.0	89.20	179.59	12,662.3	-6,116.6	-270.1	6,122.4	0.00	0.00	0.00
19,000.0	89.20	179.59	12,663.7	-6,216.6	-269.4	6,222.3	0.00	0.00	0.00
19,100.0	89.20	179.59	12,665.1	-6,316.6	-268.7	6,322.2	0.00	0.00	0.00
19,200.0	89.20	179.59	12,666.5	-6,416.6	-267.9	6,422.0	0.00	0.00	0.00
19,300.0	89.20	179.59	12,667.9	-6,516.5	-267.2	6,521.9	0.00	0.00	0.00
19,400.0	89.20	179.59	12,669.3	-6,616.5	-266.5	6,621.8	0.00	0.00	0.00
19,500.0	89.20	179.59	12,670.7	-6,716.5	-265.8	6,721.7	0.00	0.00	0.00
19,600.0	89.20	179.59	12,672.1	-6,816.5	-265.1	6,821.6	0.00	0.00	0.00
19,700.0	89.20	179.59	12,673.5	-6,916.5	-264.4	6,921.5	0.00	0.00	0.00
19,800.0	89.20	179.59	12,674.9	-7,016.5	-263.6	7,021.4	0.00	0.00	0.00
19,900.0	89.20	179.59	12,676.3	-7,116.5	-262.9	7,121.3	0.00	0.00	0.00
20,000.0	89.20	179.59	12,677.7	-7,216.5	-262.2	7,221.2	0.00	0.00	0.00
20,030.5	89.20	179.59	12,678.1	-7,247.0	-262.0	7,251.7	0.00	0.00	0.00

PBHL (Hound 30 Fed #701H)

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP (Hound 30 Fed #70 - hit/miss target - Shape - plan misses target center by 39.2usft at 12679.3usft MD (12541.5 TVD, 98.6 N, -313.2 E) - Point	0.00	0.00	12,578.0	113.0	-315.0	401,235.00	753,099.00	32° 6' 1.706 N	103° 30' 57.566 W
PBHL (Hound 30 Fed #7 - plan hits target center - Point	0.00	0.00	12,678.1	-7,247.0	-262.0	393,875.00	753,152.00	32° 4' 48.870 N	103° 30' 57.598 W