



NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 21 2015

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EOG Resources - Midland

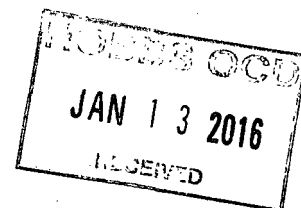
Lea County, NM (NAD 27 NME)

Endurance 36 State Com

#702H

OH

Plan: Plan #1



Standard Planning Report

23 June, 2015

JAN 14 2016



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Endurance 36 State Com
Well: #702H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #702H
TVD Reference: KB = 25 @ 3376.0usft
MD Reference: KB = 25 @ 3376.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project:	Lea County, NM (NAD 27 NME)		
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:	Endurance 36 State Com		
Site Position:	Map	Northings:	365,036.00 usft
From:		Easting:	749,506.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"
		Latitude:	32° 0' 3.760 N
		Longitude:	103° 31' 42.470 W
		Grid Convergence:	0.43°

Well:	#702H		
Well Position	+N/-S	543.0 usft	Northings:
	+E/-W	3,166.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 0' 8.898 N
		Longitude:	103° 31' 5.659 W
		Ground Level:	3,351.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2015	6/23/2015	(°)	(°)	(nT)
			7.13	59.89	48,016

Design	Plan #1				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.0	0.0	0.0	357.26	

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	
5,158.1	6.58	196.84	5,156.6	-36.1	-10.9	1.00	1.00	0.00	196.84	
12,122.0	6.58	196.84	12,074.7	-800.0	-242.1	0.00	0.00	0.00	0.00	
13,084.9	90.00	359.56	12,710.0	-230.7	-268.2	10.00	8.66	16.90	162.62	
20,016.8	90.00	359.56	12,710.0	6,701.0	-321.0	0.00	0.00	0.00	0.00	PBHL(END 26 ST Co



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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	196.84	4,600.0	-0.8	-0.3	-0.8	1.00	1.00	0.00
4,700.0	2.00	196.84	4,700.0	-3.3	-1.0	-3.3	1.00	1.00	0.00
4,800.0	3.00	196.84	4,799.9	-7.5	-2.3	-7.4	1.00	1.00	0.00
4,900.0	4.00	196.84	4,899.7	-13.4	-4.0	-13.1	1.00	1.00	0.00
5,000.0	5.00	196.84	4,999.4	-20.9	-6.3	-20.5	1.00	1.00	0.00
5,100.0	6.00	196.84	5,098.9	-30.0	-9.1	-29.6	1.00	1.00	0.00
5,158.1	6.58	196.84	5,156.6	-36.1	-10.9	-35.6	1.00	1.00	0.00
5,200.0	6.58	196.84	5,198.3	-40.7	-12.3	-40.1	0.00	0.00	0.00



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5,300.0	6.58	196.84	5,297.6	-51.7	-15.6	-50.9	0.00	0.00	0.00
5,400.0	6.58	196.84	5,397.0	-62.7	-19.0	-61.7	0.00	0.00	0.00
5,500.0	6.58	196.84	5,496.3	-73.6	-22.3	-72.5	0.00	0.00	0.00
5,600.0	6.58	196.84	5,595.6	-84.6	-25.6	-83.3	0.00	0.00	0.00
5,700.0	6.58	196.84	5,695.0	-95.6	-28.9	-94.1	0.00	0.00	0.00
5,800.0	6.58	196.84	5,794.3	-106.5	-32.2	-104.9	0.00	0.00	0.00
5,900.0	6.58	196.84	5,893.7	-117.5	-35.6	-115.7	0.00	0.00	0.00
6,000.0	6.58	196.84	5,993.0	-128.5	-38.9	-126.5	0.00	0.00	0.00
6,100.0	6.58	196.84	6,092.3	-139.5	-42.2	-137.3	0.00	0.00	0.00
6,200.0	6.58	196.84	6,191.7	-150.4	-45.5	-148.1	0.00	0.00	0.00
6,300.0	6.58	196.84	6,291.0	-161.4	-48.8	-158.9	0.00	0.00	0.00
6,400.0	6.58	196.84	6,390.4	-172.4	-52.2	-169.7	0.00	0.00	0.00
6,500.0	6.58	196.84	6,489.7	-183.3	-55.5	-180.5	0.00	0.00	0.00
6,600.0	6.58	196.84	6,589.1	-194.3	-58.8	-191.3	0.00	0.00	0.00
6,700.0	6.58	196.84	6,688.4	-205.3	-62.1	-202.1	0.00	0.00	0.00
6,800.0	6.58	196.84	6,787.7	-216.2	-65.4	-212.9	0.00	0.00	0.00
6,900.0	6.58	196.84	6,887.1	-227.2	-68.8	-223.7	0.00	0.00	0.00
7,000.0	6.58	196.84	6,986.4	-238.2	-72.1	-234.5	0.00	0.00	0.00
7,100.0	6.58	196.84	7,085.8	-249.1	-75.4	-245.3	0.00	0.00	0.00
7,200.0	6.58	196.84	7,185.1	-260.1	-78.7	-256.1	0.00	0.00	0.00
7,300.0	6.58	196.84	7,284.4	-271.1	-82.0	-266.9	0.00	0.00	0.00
7,400.0	6.58	196.84	7,383.8	-282.1	-85.4	-277.6	0.00	0.00	0.00
7,500.0	6.58	196.84	7,483.1	-293.0	-88.7	-288.4	0.00	0.00	0.00
7,600.0	6.58	196.84	7,582.5	-304.0	-92.0	-299.2	0.00	0.00	0.00
7,700.0	6.58	196.84	7,681.8	-315.0	-95.3	-310.0	0.00	0.00	0.00
7,800.0	6.58	196.84	7,781.1	-325.9	-98.6	-320.8	0.00	0.00	0.00
7,900.0	6.58	196.84	7,880.5	-336.9	-102.0	-331.6	0.00	0.00	0.00
8,000.0	6.58	196.84	7,979.8	-347.9	-105.3	-342.4	0.00	0.00	0.00
8,100.0	6.58	196.84	8,079.2	-358.8	-108.6	-353.2	0.00	0.00	0.00
8,200.0	6.58	196.84	8,178.5	-369.8	-111.9	-364.0	0.00	0.00	0.00
8,300.0	6.58	196.84	8,277.9	-380.8	-115.2	-374.8	0.00	0.00	0.00
8,400.0	6.58	196.84	8,377.2	-391.7	-118.6	-385.6	0.00	0.00	0.00
8,500.0	6.58	196.84	8,476.5	-402.7	-121.9	-396.4	0.00	0.00	0.00
8,600.0	6.58	196.84	8,575.9	-413.7	-125.2	-407.2	0.00	0.00	0.00
8,700.0	6.58	196.84	8,675.2	-424.7	-128.5	-418.0	0.00	0.00	0.00
8,800.0	6.58	196.84	8,774.6	-435.6	-131.8	-428.8	0.00	0.00	0.00
8,900.0	6.58	196.84	8,873.9	-446.6	-135.2	-439.6	0.00	0.00	0.00
9,000.0	6.58	196.84	8,973.2	-457.6	-138.5	-450.4	0.00	0.00	0.00
9,100.0	6.58	196.84	9,072.6	-468.5	-141.8	-461.2	0.00	0.00	0.00
9,200.0	6.58	196.84	9,171.9	-479.5	-145.1	-472.0	0.00	0.00	0.00
9,300.0	6.58	196.84	9,271.3	-490.5	-148.4	-482.8	0.00	0.00	0.00
9,400.0	6.58	196.84	9,370.6	-501.4	-151.8	-493.6	0.00	0.00	0.00
9,500.0	6.58	196.84	9,469.9	-512.4	-155.1	-504.4	0.00	0.00	0.00
9,600.0	6.58	196.84	9,569.3	-523.4	-158.4	-515.2	0.00	0.00	0.00
9,700.0	6.58	196.84	9,668.6	-534.4	-161.7	-526.0	0.00	0.00	0.00
9,800.0	6.58	196.84	9,768.0	-545.3	-165.0	-536.8	0.00	0.00	0.00
9,900.0	6.58	196.84	9,867.3	-556.3	-168.4	-547.6	0.00	0.00	0.00
10,000.0	6.58	196.84	9,966.7	-567.3	-171.7	-558.4	0.00	0.00	0.00
10,100.0	6.58	196.84	10,066.0	-578.2	-175.0	-569.2	0.00	0.00	0.00
10,200.0	6.58	196.84	10,165.3	-589.2	-178.3	-580.0	0.00	0.00	0.00
10,300.0	6.58	196.84	10,264.7	-600.2	-181.6	-590.8	0.00	0.00	0.00
10,400.0	6.58	196.84	10,364.0	-611.1	-185.0	-601.6	0.00	0.00	0.00
10,500.0	6.58	196.84	10,463.4	-622.1	-188.3	-612.4	0.00	0.00	0.00
10,600.0	6.58	196.84	10,562.7	-633.1	-191.6	-623.2	0.00	0.00	0.00



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10,700.0	6.58	196.84	10,682.0	-644.0	-194.9	-634.0	0.00	0.00	0.00
10,800.0	6.58	196.84	10,761.4	-655.0	-198.2	-644.8	0.00	0.00	0.00
10,900.0	6.58	196.84	10,860.7	-666.0	-201.6	-655.6	0.00	0.00	0.00
11,000.0	6.58	196.84	10,960.1	-677.0	-204.9	-666.4	0.00	0.00	0.00
11,100.0	6.58	196.84	11,059.4	-687.9	-208.2	-677.2	0.00	0.00	0.00
11,200.0	6.58	196.84	11,158.7	-698.9	-211.5	-688.0	0.00	0.00	0.00
11,300.0	6.58	196.84	11,258.1	-709.9	-214.8	-698.8	0.00	0.00	0.00
11,400.0	6.58	196.84	11,357.4	-720.8	-218.1	-709.6	0.00	0.00	0.00
11,500.0	6.58	196.84	11,456.8	-731.8	-221.5	-720.4	0.00	0.00	0.00
11,600.0	6.58	196.84	11,556.1	-742.8	-224.8	-731.2	0.00	0.00	0.00
11,700.0	6.58	196.84	11,655.4	-753.7	-228.1	-742.0	0.00	0.00	0.00
11,800.0	6.58	196.84	11,754.8	-764.7	-231.4	-752.8	0.00	0.00	0.00
11,900.0	6.58	196.84	11,854.1	-775.7	-234.7	-763.6	0.00	0.00	0.00
12,000.0	6.58	196.84	11,953.5	-786.6	-238.1	-774.4	0.00	0.00	0.00
12,100.0	6.58	196.84	12,052.8	-797.6	-241.4	-785.2	0.00	0.00	0.00
12,122.0	6.58	196.84	12,074.7	-800.0	-242.1	-787.5	0.00	0.00	0.00
12,150.0	4.00	208.89	12,102.5	-802.4	-243.1	-789.9	10.00	-9.23	43.12
12,200.0	2.48	307.21	12,152.5	-803.3	-244.8	-790.7	10.00	-3.05	196.63
12,250.0	6.80	342.87	12,202.3	-799.8	-246.5	-787.1	10.00	8.65	71.32
12,300.0	11.68	350.02	12,251.7	-792.0	-248.2	-779.2	10.00	9.75	14.31
12,350.0	16.63	352.98	12,300.1	-779.9	-250.0	-767.0	10.00	9.90	5.91
12,400.0	21.60	354.60	12,347.4	-763.6	-251.7	-750.7	10.00	9.94	3.25
12,450.0	26.58	355.64	12,393.0	-743.3	-253.5	-730.3	10.00	9.96	2.08
12,500.0	31.57	356.37	12,436.7	-719.1	-255.1	-706.0	10.00	9.97	1.46
12,550.0	36.56	356.92	12,478.1	-691.1	-256.8	-678.0	10.00	9.98	1.10
12,600.0	41.55	357.35	12,516.9	-659.7	-258.3	-646.6	10.00	9.99	0.87
12,650.0	46.54	357.70	12,552.8	-625.0	-259.8	-611.8	10.00	9.99	0.71
12,700.0	51.54	358.00	12,585.6	-587.2	-261.2	-574.1	10.00	9.99	0.60
12,750.0	56.53	358.27	12,614.9	-546.8	-262.6	-533.6	10.00	9.99	0.52
12,800.0	61.53	358.50	12,640.7	-504.0	-263.8	-490.8	10.00	9.99	0.47
12,814.2	62.95	358.56	12,647.3	-491.4	-264.1	-478.2	10.00	9.99	0.44
FTP(END 26 ST Com #702H)									
12,850.0	66.53	358.71	12,662.6	-459.0	-264.9	-445.8	10.00	9.99	0.42
12,900.0	71.52	358.91	12,680.4	-412.4	-265.8	-399.2	10.00	9.99	0.39
12,950.0	76.52	359.09	12,694.2	-364.3	-266.7	-351.1	10.00	9.99	0.37
13,000.0	81.52	359.27	12,703.7	-315.3	-267.4	-302.1	10.00	9.99	0.36
13,050.0	86.51	359.44	12,708.9	-265.5	-267.9	-252.4	10.00	9.99	0.35
13,084.9	90.00	359.56	12,710.0	-230.7	-268.2	-217.6	10.00	9.99	0.34
13,100.0	90.00	359.56	12,710.0	-215.6	-268.3	-202.5	0.00	0.00	0.00
13,200.0	90.00	359.56	12,710.0	-115.6	-269.1	-102.6	0.00	0.00	0.00
13,300.0	90.00	359.56	12,710.0	-15.6	-269.9	-2.6	0.00	0.00	0.00
13,400.0	90.00	359.56	12,710.0	84.4	-270.6	97.3	0.00	0.00	0.00
13,500.0	90.00	359.56	12,710.0	184.4	-271.4	197.2	0.00	0.00	0.00
13,600.0	90.00	359.56	12,710.0	284.4	-272.1	297.1	0.00	0.00	0.00
13,700.0	90.00	359.56	12,710.0	384.4	-272.9	397.0	0.00	0.00	0.00
13,800.0	90.00	359.56	12,710.0	484.4	-273.7	496.9	0.00	0.00	0.00
13,900.0	90.00	359.56	12,710.0	584.4	-274.4	596.9	0.00	0.00	0.00
14,000.0	90.00	359.56	12,710.0	684.4	-275.2	696.8	0.00	0.00	0.00
14,100.0	90.00	359.56	12,710.0	784.4	-275.9	796.7	0.00	0.00	0.00
14,200.0	90.00	359.56	12,710.0	884.4	-276.7	896.6	0.00	0.00	0.00
14,300.0	90.00	359.56	12,710.0	984.4	-277.5	996.5	0.00	0.00	0.00
14,400.0	90.00	359.56	12,710.0	1,084.4	-278.2	1,096.5	0.00	0.00	0.00
14,500.0	90.00	359.56	12,710.0	1,184.4	-279.0	1,196.4	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: Endurance 36 State Com
 Well: #702H
 Wellbore: OH
 Design: Plan #1

Local Co-ordinate Reference: Well #702H
 TVD Reference: KB = 25 @ 3376.0usft
 MD Reference: KB = 25 @ 3376.0usft
 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)
14,600.0	90.00	359.56	12,710.0	1,284.4	-279.8	1,296.3	0.00	0.00	0.00
14,700.0	90.00	359.56	12,710.0	1,384.4	-280.5	1,396.2	0.00	0.00	0.00
14,800.0	90.00	359.56	12,710.0	1,484.4	-281.3	1,496.1	0.00	0.00	0.00
14,900.0	90.00	359.56	12,710.0	1,584.4	-282.0	1,596.1	0.00	0.00	0.00
15,000.0	90.00	359.56	12,710.0	1,684.4	-282.8	1,696.0	0.00	0.00	0.00
15,100.0	90.00	359.56	12,710.0	1,784.4	-283.6	1,795.9	0.00	0.00	0.00
15,200.0	90.00	359.56	12,710.0	1,884.4	-284.3	1,895.8	0.00	0.00	0.00
15,300.0	90.00	359.56	12,710.0	1,984.4	-285.1	1,995.7	0.00	0.00	0.00
15,400.0	90.00	359.56	12,710.0	2,084.4	-285.8	2,095.7	0.00	0.00	0.00
15,500.0	90.00	359.56	12,710.0	2,184.4	-286.6	2,195.6	0.00	0.00	0.00
15,600.0	90.00	359.56	12,710.0	2,284.4	-287.4	2,295.5	0.00	0.00	0.00
15,700.0	90.00	359.56	12,710.0	2,384.4	-288.1	2,395.4	0.00	0.00	0.00
15,800.0	90.00	359.56	12,710.0	2,484.3	-288.9	2,495.3	0.00	0.00	0.00
15,900.0	90.00	359.56	12,710.0	2,584.3	-289.7	2,595.2	0.00	0.00	0.00
16,000.0	90.00	359.56	12,710.0	2,684.3	-290.4	2,695.2	0.00	0.00	0.00
16,100.0	90.00	359.56	12,710.0	2,784.3	-291.2	2,795.1	0.00	0.00	0.00
16,200.0	90.00	359.56	12,710.0	2,884.3	-291.9	2,895.0	0.00	0.00	0.00
16,300.0	90.00	359.56	12,710.0	2,984.3	-292.7	2,994.9	0.00	0.00	0.00
16,400.0	90.00	359.56	12,710.0	3,084.3	-293.5	3,094.8	0.00	0.00	0.00
16,500.0	90.00	359.56	12,710.0	3,184.3	-294.2	3,194.8	0.00	0.00	0.00
16,600.0	90.00	359.56	12,710.0	3,284.3	-295.0	3,294.7	0.00	0.00	0.00
16,700.0	90.00	359.56	12,710.0	3,384.3	-295.7	3,394.6	0.00	0.00	0.00
16,800.0	90.00	359.56	12,710.0	3,484.3	-296.5	3,494.5	0.00	0.00	0.00
16,900.0	90.00	359.56	12,710.0	3,584.3	-297.3	3,594.4	0.00	0.00	0.00
17,000.0	90.00	359.56	12,710.0	3,684.3	-298.0	3,694.4	0.00	0.00	0.00
17,100.0	90.00	359.56	12,710.0	3,784.3	-298.8	3,794.3	0.00	0.00	0.00
17,200.0	90.00	359.56	12,710.0	3,884.3	-299.6	3,894.2	0.00	0.00	0.00
17,300.0	90.00	359.56	12,710.0	3,984.3	-300.3	3,994.1	0.00	0.00	0.00
17,400.0	90.00	359.56	12,710.0	4,084.3	-301.1	4,094.0	0.00	0.00	0.00
17,500.0	90.00	359.56	12,710.0	4,184.3	-301.8	4,193.9	0.00	0.00	0.00
17,600.0	90.00	359.56	12,710.0	4,284.3	-302.6	4,293.9	0.00	0.00	0.00
17,700.0	90.00	359.56	12,710.0	4,384.3	-303.4	4,393.8	0.00	0.00	0.00
17,800.0	90.00	359.56	12,710.0	4,484.3	-304.1	4,493.7	0.00	0.00	0.00
17,900.0	90.00	359.56	12,710.0	4,584.3	-304.9	4,593.6	0.00	0.00	0.00
18,000.0	90.00	359.56	12,710.0	4,684.3	-305.6	4,693.5	0.00	0.00	0.00
18,100.0	90.00	359.56	12,710.0	4,784.3	-306.4	4,793.5	0.00	0.00	0.00
18,200.0	90.00	359.56	12,710.0	4,884.3	-307.2	4,893.4	0.00	0.00	0.00
18,300.0	90.00	359.56	12,710.0	4,984.3	-307.9	4,993.3	0.00	0.00	0.00
18,400.0	90.00	359.56	12,710.0	5,084.3	-308.7	5,093.2	0.00	0.00	0.00
18,500.0	90.00	359.56	12,710.0	5,184.3	-309.5	5,193.1	0.00	0.00	0.00
18,600.0	90.00	359.56	12,710.0	5,284.3	-310.2	5,293.1	0.00	0.00	0.00
18,700.0	90.00	359.56	12,710.0	5,384.3	-311.0	5,393.0	0.00	0.00	0.00
18,800.0	90.00	359.56	12,710.0	5,484.3	-311.7	5,492.9	0.00	0.00	0.00
18,900.0	90.00	359.56	12,710.0	5,584.3	-312.5	5,592.8	0.00	0.00	0.00
19,000.0	90.00	359.56	12,710.0	5,684.3	-313.3	5,692.7	0.00	0.00	0.00
19,100.0	90.00	359.56	12,710.0	5,784.3	-314.0	5,792.7	0.00	0.00	0.00
19,200.0	90.00	359.56	12,710.0	5,884.3	-314.8	5,892.6	0.00	0.00	0.00
19,300.0	90.00	359.56	12,710.0	5,984.2	-315.5	5,992.5	0.00	0.00	0.00
19,400.0	90.00	359.56	12,710.0	6,084.2	-316.3	6,092.4	0.00	0.00	0.00
19,500.0	90.00	359.56	12,710.0	6,184.2	-317.1	6,192.3	0.00	0.00	0.00
19,600.0	90.00	359.56	12,710.0	6,284.2	-317.8	6,292.2	0.00	0.00	0.00
19,700.0	90.00	359.56	12,710.0	6,384.2	-318.6	6,392.2	0.00	0.00	0.00
19,800.0	90.00	359.56	12,710.0	6,484.2	-319.3	6,492.1	0.00	0.00	0.00
19,900.0	90.00	359.56	12,710.0	6,584.2	-320.1	6,592.0	0.00	0.00	0.00



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 Wellbore: OH
 Design: Plan #1

Local Co-ordinate Reference: Well #702H
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 MD Reference: KB = 25 @ 3376.0usft
 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)	
20,000.0	90.00	359.56	12,710.0	6,684.2	-320.9	6,691.9	0.00	0.00	0.00	
20,016.8	90.00	359.56	12,710.0	6,701.0	-321.0	6,708.7	0.00	0.00	0.00	
PBHL(END 26 ST Com #702H)										

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(END 26 ST Com ; - plan hits target center - Point	0.00	0.00	12,710.0	6,701.0	-321.0	372,280.00	752,351.00	32° 1' 15.233 N		103° 31' 8.800 W
FTP(END 26 ST Com #7 - plan misses target center by 69.8usft at 12814.2usft MD (12647.3 TVD, -491.4 N, -264.1 E) - Point	0.00	0.00	12,710.0	-522.0	-266.0	365,057.00	752,406.00	32° 0' 3.753 N		103° 31' 8.794 W