



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

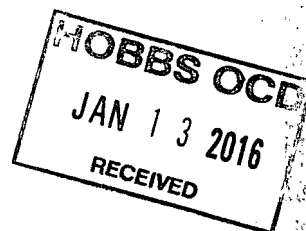
#703H

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: #703H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #703H
TVD Reference: KB = 25 @ 3359.0usft
MD Reference: KB = 25 @ 3359.0usft
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:	From: Map	Northing: 365,036.00 usft	Latitude: 32° 0' 3.760 N
		Easting: 749,506.00 usft	Longitude: 103° 31' 42.470 W
Position Uncertainty:	0.0 usft	Slot Radius: 13-3/16"	Grid Convergence: 0.43°

Well	#703H		
Well Position	+N/-S 544.0 usft	Northing: 365,580.00 usft	Latitude: 32° 0' 8.906 N
	+E/-W 3,196.0 usft	Easting: 752,702.00 usft	Longitude: 103° 31' 5.311 W
Position Uncertainty	0.0 usft	Wellhead Elevation: 0.0 usft	Ground Level: 3,334.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	6/18/2015	7.13
			Dip Angle (°)
			59.89
			Field Strength (nT)
			48,018

Design	Plan #1		
Audit Notes:			
Version:	Phase: PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°)
			359.56

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	
5,128.9	6.29	179.56	5,127.6	-34.5	0.3	1.00	1.00	0.00	179.56	
12,117.6	6.29	179.56	12,074.3	-800.0	6.1	0.00	0.00	0.00	0.00	
13,080.5	90.00	359.56	12,710.0	-230.5	1.8	10.00	8.69	-18.69	-180.00	
20,013.2	90.00	359.56	12,710.0	6,702.0	-51.0	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	179.56	4,600.0	-0.9	0.0	-0.9	1.00	1.00	0.00
4,700.0	2.00	179.56	4,700.0	-3.5	0.0	-3.5	1.00	1.00	0.00
4,800.0	3.00	179.56	4,799.9	-7.9	0.1	-7.9	1.00	1.00	0.00
4,900.0	4.00	179.56	4,899.7	-14.0	0.1	-14.0	1.00	1.00	0.00
5,000.0	5.00	179.56	4,999.4	-21.8	0.2	-21.8	1.00	1.00	0.00
5,100.0	6.00	179.56	5,098.9	-31.4	0.2	-31.4	1.00	1.00	0.00
5,128.9	6.29	179.56	5,127.6	-34.5	0.3	-34.5	1.00	1.00	0.00
5,200.0	6.29	179.56	5,198.3	-42.3	0.3	-42.3	0.00	0.00	0.00



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5,300.0	6.29	179.56	5,297.7	-53.2	0.4	-53.2	0.00	0.00	0.00
5,400.0	6.29	179.56	5,397.1	-64.2	0.5	-64.2	0.00	0.00	0.00
5,500.0	6.29	179.56	5,496.5	-75.1	0.6	-75.1	0.00	0.00	0.00
5,600.0	6.29	179.56	5,595.9	-86.1	0.7	-86.1	0.00	0.00	0.00
5,700.0	6.29	179.56	5,695.3	-97.0	0.7	-97.0	0.00	0.00	0.00
5,800.0	6.29	179.56	5,794.7	-108.0	0.8	-108.0	0.00	0.00	0.00
5,900.0	6.29	179.56	5,894.1	-118.9	0.9	-118.9	0.00	0.00	0.00
6,000.0	6.29	179.56	5,993.5	-129.9	1.0	-129.9	0.00	0.00	0.00
6,100.0	6.29	179.56	6,092.9	-140.8	1.1	-140.9	0.00	0.00	0.00
6,200.0	6.29	179.56	6,192.3	-151.8	1.2	-151.8	0.00	0.00	0.00
6,300.0	6.29	179.56	6,291.7	-162.8	1.2	-162.8	0.00	0.00	0.00
6,400.0	6.29	179.56	6,391.1	-173.7	1.3	-173.7	0.00	0.00	0.00
6,500.0	6.29	179.56	6,490.5	-184.7	1.4	-184.7	0.00	0.00	0.00
6,600.0	6.29	179.56	6,589.9	-195.6	1.5	-195.6	0.00	0.00	0.00
6,700.0	6.29	179.56	6,689.3	-206.6	1.6	-206.6	0.00	0.00	0.00
6,800.0	6.29	179.56	6,788.7	-217.5	1.7	-217.5	0.00	0.00	0.00
6,900.0	6.29	179.56	6,888.1	-228.5	1.8	-228.5	0.00	0.00	0.00
7,000.0	6.29	179.56	6,987.5	-239.4	1.8	-239.4	0.00	0.00	0.00
7,100.0	6.29	179.56	7,086.9	-250.4	1.9	-250.4	0.00	0.00	0.00
7,200.0	6.29	179.56	7,186.3	-261.3	2.0	-261.3	0.00	0.00	0.00
7,300.0	6.29	179.56	7,285.7	-272.3	2.1	-272.3	0.00	0.00	0.00
7,400.0	6.29	179.56	7,385.1	-283.2	2.2	-283.3	0.00	0.00	0.00
7,500.0	6.29	179.56	7,484.5	-294.2	2.3	-294.2	0.00	0.00	0.00
7,600.0	6.29	179.56	7,583.9	-305.2	2.3	-305.2	0.00	0.00	0.00
7,700.0	6.29	179.56	7,683.3	-316.1	2.4	-316.1	0.00	0.00	0.00
7,800.0	6.29	179.56	7,782.7	-327.1	2.5	-327.1	0.00	0.00	0.00
7,900.0	6.29	179.56	7,882.1	-338.0	2.6	-338.0	0.00	0.00	0.00
8,000.0	6.29	179.56	7,981.5	-349.0	2.7	-349.0	0.00	0.00	0.00
8,100.0	6.29	179.56	8,080.9	-359.9	2.8	-359.9	0.00	0.00	0.00
8,200.0	6.29	179.56	8,180.3	-370.9	2.8	-370.9	0.00	0.00	0.00
8,300.0	6.29	179.56	8,279.7	-381.8	2.9	-381.8	0.00	0.00	0.00
8,400.0	6.29	179.56	8,379.1	-392.8	3.0	-392.8	0.00	0.00	0.00
8,500.0	6.29	179.56	8,478.5	-403.7	3.1	-403.7	0.00	0.00	0.00
8,600.0	6.29	179.56	8,577.9	-414.7	3.2	-414.7	0.00	0.00	0.00
8,700.0	6.29	179.56	8,677.2	-425.6	3.3	-425.7	0.00	0.00	0.00
8,800.0	6.29	179.56	8,776.6	-436.6	3.3	-436.6	0.00	0.00	0.00
8,900.0	6.29	179.56	8,876.0	-447.6	3.4	-447.6	0.00	0.00	0.00
9,000.0	6.29	179.56	8,975.4	-458.5	3.5	-458.5	0.00	0.00	0.00
9,100.0	6.29	179.56	9,074.8	-469.5	3.6	-469.5	0.00	0.00	0.00
9,200.0	6.29	179.56	9,174.2	-480.4	3.7	-480.4	0.00	0.00	0.00
9,300.0	6.29	179.56	9,273.6	-491.4	3.8	-491.4	0.00	0.00	0.00
9,400.0	6.29	179.56	9,373.0	-502.3	3.8	-502.3	0.00	0.00	0.00
9,500.0	6.29	179.56	9,472.4	-513.3	3.9	-513.3	0.00	0.00	0.00
9,600.0	6.29	179.56	9,571.8	-524.2	4.0	-524.2	0.00	0.00	0.00
9,700.0	6.29	179.56	9,671.2	-535.2	4.1	-535.2	0.00	0.00	0.00
9,800.0	6.29	179.56	9,770.6	-546.1	4.2	-546.1	0.00	0.00	0.00
9,900.0	6.29	179.56	9,870.0	-557.1	4.3	-557.1	0.00	0.00	0.00
10,000.0	6.29	179.56	9,969.4	-568.0	4.4	-568.1	0.00	0.00	0.00
10,100.0	6.29	179.56	10,068.8	-579.0	4.4	-579.0	0.00	0.00	0.00
10,200.0	6.29	179.56	10,168.2	-589.9	4.5	-590.0	0.00	0.00	0.00
10,300.0	6.29	179.56	10,267.6	-600.9	4.6	-600.9	0.00	0.00	0.00
10,400.0	6.29	179.56	10,367.0	-611.9	4.7	-611.9	0.00	0.00	0.00
10,500.0	6.29	179.56	10,466.4	-622.8	4.8	-622.8	0.00	0.00	0.00
10,600.0	6.29	179.56	10,565.8	-633.8	4.9	-633.8	0.00	0.00	0.00



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10,700.0	6.29	179.56	10,665.2	-644.7	4.9	-644.7	0.00	0.00	0.00
10,800.0	6.29	179.56	10,764.6	-655.7	5.0	-655.7	0.00	0.00	0.00
10,900.0	6.29	179.56	10,864.0	-666.6	5.1	-666.6	0.00	0.00	0.00
11,000.0	6.29	179.56	10,963.4	-677.6	5.2	-677.6	0.00	0.00	0.00
11,100.0	6.29	179.56	11,062.8	-688.5	5.3	-688.5	0.00	0.00	0.00
11,200.0	6.29	179.56	11,162.2	-699.5	5.4	-699.5	0.00	0.00	0.00
11,300.0	6.29	179.56	11,261.6	-710.4	5.4	-710.5	0.00	0.00	0.00
11,400.0	6.29	179.56	11,361.0	-721.4	5.5	-721.4	0.00	0.00	0.00
11,500.0	6.29	179.56	11,460.4	-732.3	5.6	-732.4	0.00	0.00	0.00
11,600.0	6.29	179.56	11,559.8	-743.3	5.7	-743.3	0.00	0.00	0.00
11,700.0	6.29	179.56	11,659.2	-754.3	5.8	-754.3	0.00	0.00	0.00
11,800.0	6.29	179.56	11,758.6	-765.2	5.9	-765.2	0.00	0.00	0.00
11,900.0	6.29	179.56	11,858.0	-776.2	5.9	-776.2	0.00	0.00	0.00
12,000.0	6.29	179.56	11,957.4	-787.1	6.0	-787.1	0.00	0.00	0.00
12,100.0	6.29	179.56	12,056.8	-798.1	6.1	-798.1	0.00	0.00	0.00
12,117.6	6.29	179.56	12,074.3	-800.0	6.1	-800.0	0.00	0.00	0.00
12,150.0	3.05	179.56	12,106.6	-802.6	6.1	-802.7	10.00	-10.00	-0.01
12,200.0	1.95	359.57	12,156.6	-803.1	6.2	-803.1	10.00	-2.19	-359.97
12,250.0	6.95	359.57	12,206.4	-799.2	6.1	-799.3	10.00	10.00	-0.01
12,300.0	11.95	359.57	12,255.7	-791.0	6.1	-791.0	10.00	10.00	0.00
12,350.0	16.95	359.56	12,304.1	-778.5	6.0	-778.6	10.00	10.00	0.00
12,400.0	21.95	359.56	12,351.2	-761.9	5.8	-761.9	10.00	10.00	0.00
12,450.0	26.95	359.56	12,396.7	-741.2	5.7	-741.2	10.00	10.00	0.00
12,500.0	31.95	359.56	12,440.3	-716.6	5.5	-716.7	10.00	10.00	0.00
12,550.0	36.95	359.56	12,481.5	-688.4	5.3	-688.4	10.00	10.00	0.00
12,600.0	41.95	359.56	12,520.1	-656.6	5.0	-656.6	10.00	10.00	0.00
12,650.0	46.95	359.56	12,555.7	-621.6	4.8	-621.6	10.00	10.00	0.00
12,700.0	51.95	359.56	12,588.2	-583.6	4.5	-583.6	10.00	10.00	0.00
12,750.0	56.95	359.56	12,617.3	-543.0	4.2	-543.0	10.00	10.00	0.00
12,800.0	61.95	359.56	12,642.7	-499.9	3.8	-499.9	10.00	10.00	0.00
12,810.9	63.04	359.56	12,647.7	-490.2	3.8	-490.3	10.00	10.00	0.00
FTP(END 26 ST Com #703H)									
12,850.0	66.95	359.56	12,664.3	-454.8	3.5	-454.8	10.00	10.00	0.00
12,900.0	71.95	359.56	12,681.8	-408.0	3.1	-408.0	10.00	10.00	0.00
12,950.0	76.95	359.56	12,695.2	-359.9	2.8	-359.9	10.00	10.00	0.00
13,000.0	81.95	359.56	12,704.4	-310.7	2.4	-310.7	10.00	10.00	0.00
13,050.0	86.95	359.56	12,709.2	-261.0	2.0	-261.0	10.00	10.00	0.00
13,080.5	90.00	359.56	12,710.0	-230.5	1.8	-230.5	10.00	10.00	0.00
13,100.0	90.00	359.56	12,710.0	-211.0	1.6	-211.0	0.00	0.00	0.00
13,200.0	90.00	359.56	12,710.0	-111.0	0.9	-111.0	0.00	0.00	0.00
13,300.0	90.00	359.56	12,710.0	-11.0	0.1	-11.0	0.00	0.00	0.00
13,400.0	90.00	359.56	12,710.0	89.0	-0.6	89.0	0.00	0.00	0.00
13,500.0	90.00	359.56	12,710.0	189.0	-1.4	189.0	0.00	0.00	0.00
13,600.0	90.00	359.56	12,710.0	289.0	-2.2	289.0	0.00	0.00	0.00
13,700.0	90.00	359.56	12,710.0	389.0	-2.9	389.0	0.00	0.00	0.00
13,800.0	90.00	359.56	12,710.0	489.0	-3.7	489.0	0.00	0.00	0.00
13,900.0	90.00	359.56	12,710.0	589.0	-4.4	589.0	0.00	0.00	0.00
14,000.0	90.00	359.56	12,710.0	689.0	-5.2	689.0	0.00	0.00	0.00
14,100.0	90.00	359.56	12,710.0	789.0	-6.0	789.0	0.00	0.00	0.00
14,200.0	90.00	359.56	12,710.0	889.0	-6.7	889.0	0.00	0.00	0.00
14,300.0	90.00	359.56	12,710.0	989.0	-7.5	989.0	0.00	0.00	0.00
14,400.0	90.00	359.56	12,710.0	1,089.0	-8.3	1,089.0	0.00	0.00	0.00
14,500.0	90.00	359.56	12,710.0	1,189.0	-9.0	1,189.0	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: #703H
 Wellbore: OH
 Design: Plan #1

Local Co-ordinate Reference: Well #703H
 TVD Reference: KB = 25 @ 3359.0usft
 MD Reference: KB = 25 @ 3359.0usft
 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	1,289.0	-9.8	1,289.0	0.00	0.00	0.00
14,700.0	90.00	359.56	12,710.0	1,389.0	-10.5	1,389.0	0.00	0.00	0.00
14,800.0	90.00	359.56	12,710.0	1,489.0	-11.3	1,489.0	0.00	0.00	0.00
14,900.0	90.00	359.56	12,710.0	1,589.0	-12.1	1,589.0	0.00	0.00	0.00
15,000.0	90.00	359.56	12,710.0	1,689.0	-12.8	1,689.0	0.00	0.00	0.00
15,100.0	90.00	359.56	12,710.0	1,789.0	-13.6	1,789.0	0.00	0.00	0.00
15,200.0	90.00	359.56	12,710.0	1,889.0	-14.3	1,889.0	0.00	0.00	0.00
15,300.0	90.00	359.56	12,710.0	1,989.0	-15.1	1,989.0	0.00	0.00	0.00
15,400.0	90.00	359.56	12,710.0	2,088.9	-15.9	2,089.0	0.00	0.00	0.00
15,500.0	90.00	359.56	12,710.0	2,188.9	-16.6	2,189.0	0.00	0.00	0.00
15,600.0	90.00	359.56	12,710.0	2,288.9	-17.4	2,289.0	0.00	0.00	0.00
15,700.0	90.00	359.56	12,710.0	2,388.9	-18.2	2,389.0	0.00	0.00	0.00
15,800.0	90.00	359.56	12,710.0	2,488.9	-18.9	2,489.0	0.00	0.00	0.00
15,900.0	90.00	359.56	12,710.0	2,588.9	-19.7	2,589.0	0.00	0.00	0.00
16,000.0	90.00	359.56	12,710.0	2,688.9	-20.4	2,689.0	0.00	0.00	0.00
16,100.0	90.00	359.56	12,710.0	2,788.9	-21.2	2,789.0	0.00	0.00	0.00
16,200.0	90.00	359.56	12,710.0	2,888.9	-22.0	2,889.0	0.00	0.00	0.00
16,300.0	90.00	359.56	12,710.0	2,988.9	-22.7	2,989.0	0.00	0.00	0.00
16,400.0	90.00	359.56	12,710.0	3,088.9	-23.5	3,089.0	0.00	0.00	0.00
16,500.0	90.00	359.56	12,710.0	3,188.9	-24.2	3,189.0	0.00	0.00	0.00
16,600.0	90.00	359.56	12,710.0	3,288.9	-25.0	3,289.0	0.00	0.00	0.00
16,700.0	90.00	359.56	12,710.0	3,388.9	-25.8	3,389.0	0.00	0.00	0.00
16,800.0	90.00	359.56	12,710.0	3,488.9	-26.5	3,489.0	0.00	0.00	0.00
16,900.0	90.00	359.56	12,710.0	3,588.9	-27.3	3,589.0	0.00	0.00	0.00
17,000.0	90.00	359.56	12,710.0	3,688.9	-28.1	3,689.0	0.00	0.00	0.00
17,100.0	90.00	359.56	12,710.0	3,788.9	-28.8	3,789.0	0.00	0.00	0.00
17,200.0	90.00	359.56	12,710.0	3,888.9	-29.6	3,889.0	0.00	0.00	0.00
17,300.0	90.00	359.56	12,710.0	3,988.9	-30.3	3,989.0	0.00	0.00	0.00
17,400.0	90.00	359.56	12,710.0	4,088.9	-31.1	4,089.0	0.00	0.00	0.00
17,500.0	90.00	359.56	12,710.0	4,188.9	-31.9	4,189.0	0.00	0.00	0.00
17,600.0	90.00	359.56	12,710.0	4,288.9	-32.6	4,289.0	0.00	0.00	0.00
17,700.0	90.00	359.56	12,710.0	4,388.9	-33.4	4,389.0	0.00	0.00	0.00
17,800.0	90.00	359.56	12,710.0	4,488.9	-34.1	4,489.0	0.00	0.00	0.00
17,900.0	90.00	359.56	12,710.0	4,588.9	-34.9	4,589.0	0.00	0.00	0.00
18,000.0	90.00	359.56	12,710.0	4,688.9	-35.7	4,689.0	0.00	0.00	0.00
18,100.0	90.00	359.56	12,710.0	4,788.9	-36.4	4,789.0	0.00	0.00	0.00
18,200.0	90.00	359.56	12,710.0	4,888.9	-37.2	4,889.0	0.00	0.00	0.00
18,300.0	90.00	359.56	12,710.0	4,988.9	-38.0	4,989.0	0.00	0.00	0.00
18,400.0	90.00	359.56	12,710.0	5,088.9	-38.7	5,089.0	0.00	0.00	0.00
18,500.0	90.00	359.56	12,710.0	5,188.9	-39.5	5,189.0	0.00	0.00	0.00
18,600.0	90.00	359.56	12,710.0	5,288.9	-40.2	5,289.0	0.00	0.00	0.00
18,700.0	90.00	359.56	12,710.0	5,388.9	-41.0	5,389.0	0.00	0.00	0.00
18,800.0	90.00	359.56	12,710.0	5,488.9	-41.8	5,489.0	0.00	0.00	0.00
18,900.0	90.00	359.56	12,710.0	5,588.8	-42.5	5,589.0	0.00	0.00	0.00
19,000.0	90.00	359.56	12,710.0	5,688.8	-43.3	5,689.0	0.00	0.00	0.00
19,100.0	90.00	359.56	12,710.0	5,788.8	-44.0	5,789.0	0.00	0.00	0.00
19,200.0	90.00	359.56	12,710.0	5,888.8	-44.8	5,889.0	0.00	0.00	0.00
19,300.0	90.00	359.56	12,710.0	5,988.8	-45.6	5,989.0	0.00	0.00	0.00
19,400.0	90.00	359.56	12,710.0	6,088.8	-46.3	6,089.0	0.00	0.00	0.00
19,500.0	90.00	359.56	12,710.0	6,188.8	-47.1	6,189.0	0.00	0.00	0.00
19,600.0	90.00	359.56	12,710.0	6,288.8	-47.9	6,289.0	0.00	0.00	0.00
19,700.0	90.00	359.56	12,710.0	6,388.8	-48.6	6,389.0	0.00	0.00	0.00
19,800.0	90.00	359.56	12,710.0	6,488.8	-49.4	6,489.0	0.00	0.00	0.00
19,900.0	90.00	359.56	12,710.0	6,588.8	-50.1	6,589.0	0.00	0.00	0.00



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 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	6,688.8	-50.9	6,689.0	0.00	0.00	0.00
20,013.2	90.00	359.56	12,710.0	6,702.0	-51.0	6,702.2	0.00	0.00	0.00

PBHL(END 26 ST Com #703H)

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
PBHL(END 26 ST Com ; - plan hits target center - Point	0.00	0.00	12,710.0	6,702.0	-51.0	372,282.00	752,651.00	32° 1' 15.231 N	103° 31' 5.316 W
FTP(END 26 ST Com #7 - plan misses target center by 69.0usft at 12810.9usft MD (12647.7 TVD, -490.2 N, 3.8 E) - Point	0.00	0.00	12,710.0	-520.0	4.0	365,060.00	752,706.00	32° 0' 3.760 N	103° 31' 5.310 W