



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Endurance 36 State Com

#708Y

OH

Plan: Plan #2

Standard Planning Report

08 March, 2017



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: #708Y
Wellbore: OH
Design: Plan #2

Local Co-ordinate Reference: Well #708Y
TVD Reference: KB = 25 @ 3373.0usft (H&P 610)
MD Reference: KB = 25 @ 3373.0usft (H&P 610)
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:		Northing:	365,036.00 usft	Latitude:	32° 0' 3.760 N
From:	Map	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	#708Y					
Well Position	+N/-S	85.0 usft	Northing:	365,121.00 usft	Latitude:	32° 0' 4.490 N
	+E/-W	1,504.0 usft	Easting:	751,010.00 usft	Longitude:	103° 31' 24.999 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,348.0 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	3/22/2017	6.94	59.87	47.836

Design	Plan #2			
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	2.60

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	
2,230.0	0.00	0.00	2,230.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,037.7	4.85	131.68	3,036.7	-22.7	25.5	0.60	0.60	0.00	131.68	
7,605.3	4.85	131.68	7,588.0	-279.3	313.7	0.00	0.00	0.00	0.00	
7,989.9	1.00	131.68	7,972.0	-292.3	328.3	1.00	-1.00	0.00	-180.00	
12,054.9	1.00	131.68	12,036.4	-339.5	381.3	0.00	0.00	0.00	0.00	
12,959.4	89.77	359.29	12,616.0	231.2	381.7	10.00	9.81	-14.64	-132.38	
14,212.4	89.77	359.29	12,621.0	1,484.1	366.3	0.00	0.00	0.00	0.00	TGT#1 (End 36 ST C)
14,226.7	89.93	359.53	12,621.0	1,498.4	366.2	2.00	1.11	1.67	56.36	
16,716.1	89.93	359.53	12,624.0	3,987.7	345.9	0.00	0.00	0.00	0.00	TGT#2 (End 36 ST C)
16,718.0	89.97	359.53	12,624.0	3,989.7	345.8	2.00	2.00	-0.03	-0.98	
18,719.0	89.97	359.53	12,625.0	5,990.6	329.5	0.00	0.00	0.00	0.00	TGT#3 (End 36 ST C)
18,725.7	89.84	359.53	12,625.0	5,997.3	329.4	2.00	-2.00	-0.01	-179.61	
19,782.5	89.84	359.53	12,628.0	7,054.0	320.8	0.00	0.00	0.00	0.00	PBHL (End 36 ST CO



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: #708Y
Wellbore: OH
Design: Plan #2

Local Co-ordinate Reference: Well #708Y
TVD Reference: KB = 25 @ 3373.0usft (H&P 610)
MD Reference: KB = 25 @ 3373.0usft (H&P 610)
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)
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
842.0	0.00	0.00	842.0	0.0	0.0	0.0	0.00	0.00	0.00
Rustler									
896.0	0.00	0.00	896.0	0.0	0.0	0.0	0.00	0.00	0.00
Tamarisk Anhy									
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
1,406.0	0.00	0.00	1,406.0	0.0	0.0	0.0	0.00	0.00	0.00
Top of Salt									
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
2,230.0	0.00	0.00	2,230.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.42	131.68	2,300.0	-0.2	0.2	-0.2	0.60	0.60	0.00
2,400.0	1.02	131.68	2,400.0	-1.0	1.1	-1.0	0.60	0.60	0.00
2,500.0	1.62	131.68	2,500.0	-2.5	2.9	-2.4	0.60	0.60	0.00
2,600.0	2.22	131.68	2,599.9	-4.8	5.4	-4.5	0.60	0.60	0.00
2,700.0	2.82	131.68	2,699.8	-7.7	8.6	-7.3	0.60	0.60	0.00
2,800.0	3.42	131.68	2,799.7	-11.3	12.7	-10.7	0.60	0.60	0.00
2,900.0	4.02	131.68	2,899.5	-15.6	17.5	-14.8	0.60	0.60	0.00
3,000.0	4.62	131.68	2,999.2	-20.6	23.2	-19.6	0.60	0.60	0.00
3,037.7	4.85	131.68	3,036.7	-22.7	25.5	-21.5	0.60	0.60	0.00
3,100.0	4.85	131.68	3,098.8	-26.2	29.4	-24.8	0.00	0.00	0.00
3,200.0	4.85	131.68	3,198.5	-31.8	35.7	-30.2	0.00	0.00	0.00
3,300.0	4.85	131.68	3,298.1	-37.4	42.0	-35.5	0.00	0.00	0.00
3,400.0	4.85	131.68	3,397.7	-43.1	48.4	-40.8	0.00	0.00	0.00
3,500.0	4.85	131.68	3,497.4	-48.7	54.7	-46.1	0.00	0.00	0.00
3,600.0	4.85	131.68	3,597.0	-54.3	61.0	-51.5	0.00	0.00	0.00
3,700.0	4.85	131.68	3,696.7	-59.9	67.3	-56.8	0.00	0.00	0.00
3,800.0	4.85	131.68	3,796.3	-65.5	73.6	-62.1	0.00	0.00	0.00
3,900.0	4.85	131.68	3,896.0	-71.1	79.9	-67.4	0.00	0.00	0.00
4,000.0	4.85	131.68	3,995.6	-76.8	86.2	-72.8	0.00	0.00	0.00
4,100.0	4.85	131.68	4,095.2	-82.4	92.5	-78.1	0.00	0.00	0.00
4,200.0	4.85	131.68	4,194.9	-88.0	98.8	-83.4	0.00	0.00	0.00
4,300.0	4.85	131.68	4,294.5	-93.6	105.1	-88.7	0.00	0.00	0.00
4,400.0	4.85	131.68	4,394.2	-99.2	111.4	-94.1	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: #708Y
 Wellbore: OH
 Design: Plan #2

Local Co-ordinate Reference: Well #708Y
 TVD Reference: KB = 25 @ 3373.0usft (H&P 610)
 MD Reference: KB = 25 @ 3373.0usft (H&P 610)
 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)
4,500.0	4.85	131.68	4,493.8	-104.8	117.8	-99.4	0.00	0.00	0.00
4,600.0	4.85	131.68	4,593.5	-110.5	124.1	-104.7	0.00	0.00	0.00
4,700.0	4.85	131.68	4,693.1	-116.1	130.4	-110.0	0.00	0.00	0.00
4,800.0	4.85	131.68	4,792.7	-121.7	136.7	-115.4	0.00	0.00	0.00
4,900.0	4.85	131.68	4,892.4	-127.3	143.0	-120.7	0.00	0.00	0.00
5,000.0	4.85	131.68	4,992.0	-132.9	149.3	-126.0	0.00	0.00	0.00
5,018.0	4.85	131.68	5,010.0	-134.0	150.4	-127.0	0.00	0.00	0.00
Base of Salt									
5,100.0	4.85	131.68	5,091.7	-138.6	155.6	-131.3	0.00	0.00	0.00
5,200.0	4.85	131.68	5,191.3	-144.2	161.9	-136.7	0.00	0.00	0.00
5,216.8	4.85	131.68	5,208.0	-145.1	163.0	-137.6	0.00	0.00	0.00
Lamar									
5,286.0	4.85	131.68	5,277.0	-149.0	167.3	-141.2	0.00	0.00	0.00
Bell Canyon									
5,300.0	4.85	131.68	5,291.0	-149.8	168.2	-142.0	0.00	0.00	0.00
5,400.0	4.85	131.68	5,390.6	-155.4	174.5	-147.3	0.00	0.00	0.00
5,500.0	4.85	131.68	5,490.2	-161.0	180.8	-152.6	0.00	0.00	0.00
5,600.0	4.85	131.68	5,589.9	-166.6	187.2	-158.0	0.00	0.00	0.00
5,700.0	4.85	131.68	5,689.5	-172.3	193.5	-163.3	0.00	0.00	0.00
5,800.0	4.85	131.68	5,789.2	-177.9	199.8	-168.6	0.00	0.00	0.00
5,900.0	4.85	131.68	5,888.8	-183.5	206.1	-173.9	0.00	0.00	0.00
6,000.0	4.85	131.68	5,988.4	-189.1	212.4	-179.3	0.00	0.00	0.00
6,100.0	4.85	131.68	6,088.1	-194.7	218.7	-184.6	0.00	0.00	0.00
6,200.0	4.85	131.68	6,187.7	-200.4	225.0	-189.9	0.00	0.00	0.00
6,298.6	4.85	131.68	6,286.0	-205.9	231.2	-195.2	0.00	0.00	0.00
Cherry Canyon									
6,300.0	4.85	131.68	6,287.4	-206.0	231.3	-195.2	0.00	0.00	0.00
6,400.0	4.85	131.68	6,387.0	-211.6	237.6	-200.6	0.00	0.00	0.00
6,500.0	4.85	131.68	6,486.7	-217.2	243.9	-205.9	0.00	0.00	0.00
6,600.0	4.85	131.68	6,586.3	-222.8	250.2	-211.2	0.00	0.00	0.00
6,700.0	4.85	131.68	6,685.9	-228.4	256.6	-216.5	0.00	0.00	0.00
6,800.0	4.85	131.68	6,785.6	-234.1	262.9	-221.9	0.00	0.00	0.00
6,900.0	4.85	131.68	6,885.2	-239.7	269.2	-227.2	0.00	0.00	0.00
7,000.0	4.85	131.68	6,984.9	-245.3	275.5	-232.5	0.00	0.00	0.00
7,100.0	4.85	131.68	7,084.5	-250.9	281.8	-237.8	0.00	0.00	0.00
7,200.0	4.85	131.68	7,184.2	-256.5	288.1	-243.2	0.00	0.00	0.00
7,300.0	4.85	131.68	7,283.8	-262.1	294.4	-248.5	0.00	0.00	0.00
7,400.0	4.85	131.68	7,383.4	-267.8	300.7	-253.8	0.00	0.00	0.00
7,500.0	4.85	131.68	7,483.1	-273.4	307.0	-259.2	0.00	0.00	0.00
7,605.3	4.85	131.68	7,588.0	-279.3	313.7	-264.8	0.00	0.00	0.00
7,700.0	3.90	131.68	7,682.4	-284.1	319.1	-269.3	1.00	-1.00	0.00
7,800.0	2.90	131.68	7,782.3	-288.0	323.5	-273.0	1.00	-1.00	0.00
7,900.0	1.90	131.68	7,882.2	-290.8	326.6	-275.7	1.00	-1.00	0.00
7,989.9	1.00	131.68	7,972.0	-292.3	328.3	-277.1	1.00	-1.00	0.00
Brushy Canyon									
8,000.0	1.00	131.68	7,982.1	-292.5	328.4	-277.2	0.00	0.00	0.00
8,100.0	1.00	131.68	8,082.1	-293.6	329.7	-278.3	0.00	0.00	0.00
8,200.0	1.00	131.68	8,182.1	-294.8	331.1	-279.4	0.00	0.00	0.00
8,300.0	1.00	131.68	8,282.1	-295.9	332.4	-280.5	0.00	0.00	0.00
8,400.0	1.00	131.68	8,382.1	-297.1	333.7	-281.6	0.00	0.00	0.00
8,500.0	1.00	131.68	8,482.1	-298.3	335.0	-282.7	0.00	0.00	0.00
8,600.0	1.00	131.68	8,582.0	-299.4	336.3	-283.8	0.00	0.00	0.00
8,700.0	1.00	131.68	8,682.0	-300.6	337.6	-284.9	0.00	0.00	0.00
8,800.0	1.00	131.68	8,782.0	-301.7	338.9	-286.0	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: #708Y
Wellbore: OH
Design: Plan #2

Local Co-ordinate Reference: Well #708Y
TVD Reference: KB = 25 @ 3373.0usft (H&P 610)
MD Reference: KB = 25 @ 3373.0usft (H&P 610)
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)
8,900.0	1.00	131.68	8,882.0	-302.9	340.2	-287.1	0.00	0.00	0.00
9,000.0	1.00	131.68	8,982.0	-304.1	341.5	-288.2	0.00	0.00	0.00
9,100.0	1.00	131.68	9,082.0	-305.2	342.8	-289.3	0.00	0.00	0.00
9,200.0	1.00	131.68	9,182.0	-306.4	344.1	-290.4	0.00	0.00	0.00
9,300.0	1.00	131.68	9,281.9	-307.5	345.4	-291.5	0.00	0.00	0.00
9,400.0	1.00	131.68	9,381.9	-308.7	346.7	-292.6	0.00	0.00	0.00
9,457.1	1.00	131.68	9,439.0	-309.4	347.4	-293.3	0.00	0.00	0.00
Bone Spring Lime									
9,499.1	1.00	131.68	9,481.0	-309.8	348.0	-293.7	0.00	0.00	0.00
Leonard									
9,500.0	1.00	131.68	9,481.9	-309.9	348.0	-293.7	0.00	0.00	0.00
9,600.0	1.00	131.68	9,581.9	-311.0	349.3	-294.8	0.00	0.00	0.00
9,700.0	1.00	131.68	9,681.9	-312.2	350.6	-295.9	0.00	0.00	0.00
9,800.0	1.00	131.68	9,781.9	-313.3	351.9	-297.0	0.00	0.00	0.00
9,900.0	1.00	131.68	9,881.8	-314.5	353.2	-298.1	0.00	0.00	0.00
10,000.0	1.00	131.68	9,981.8	-315.7	354.5	-299.2	0.00	0.00	0.00
10,100.0	1.00	131.68	10,081.8	-316.8	355.8	-300.3	0.00	0.00	0.00
10,200.0	1.00	131.68	10,181.8	-318.0	357.1	-301.4	0.00	0.00	0.00
10,300.0	1.00	131.68	10,281.8	-319.1	358.4	-302.5	0.00	0.00	0.00
10,400.0	1.00	131.68	10,381.8	-320.3	359.7	-303.6	0.00	0.00	0.00
10,435.2	1.00	131.68	10,417.0	-320.7	360.2	-304.0	0.00	0.00	0.00
FBSG									
10,500.0	1.00	131.68	10,481.8	-321.5	361.0	-304.7	0.00	0.00	0.00
10,600.0	1.00	131.68	10,581.7	-322.6	362.3	-305.8	0.00	0.00	0.00
10,642.3	1.00	131.68	10,624.0	-323.1	362.9	-306.3	0.00	0.00	0.00
SBSG SHALE									
10,700.0	1.00	131.68	10,681.7	-323.8	363.6	-306.9	0.00	0.00	0.00
10,800.0	1.00	131.68	10,781.7	-324.9	364.9	-308.0	0.00	0.00	0.00
10,900.0	1.00	131.68	10,881.7	-326.1	366.2	-309.1	0.00	0.00	0.00
10,990.3	1.00	131.68	10,972.0	-327.2	367.4	-310.1	0.00	0.00	0.00
SBSG SAND									
11,000.0	1.00	131.68	10,981.7	-327.3	367.5	-310.2	0.00	0.00	0.00
11,100.0	1.00	131.68	11,081.7	-328.4	368.9	-311.3	0.00	0.00	0.00
11,200.0	1.00	131.68	11,181.6	-329.6	370.2	-312.4	0.00	0.00	0.00
11,300.0	1.00	131.68	11,281.6	-330.7	371.5	-313.5	0.00	0.00	0.00
11,400.0	1.00	131.68	11,381.6	-331.9	372.8	-314.6	0.00	0.00	0.00
11,426.4	1.00	131.68	11,408.0	-332.2	373.1	-314.9	0.00	0.00	0.00
TBSG CARB									
11,500.0	1.00	131.68	11,481.6	-333.1	374.1	-315.7	0.00	0.00	0.00
11,600.0	1.00	131.68	11,581.6	-334.2	375.4	-316.8	0.00	0.00	0.00
11,700.0	1.00	131.68	11,681.6	-335.4	376.7	-317.9	0.00	0.00	0.00
11,800.0	1.00	131.68	11,781.6	-336.6	378.0	-319.0	0.00	0.00	0.00
11,900.0	1.00	131.68	11,881.5	-337.7	379.3	-320.1	0.00	0.00	0.00
12,000.0	1.00	131.68	11,981.5	-338.9	380.6	-321.2	0.00	0.00	0.00
12,019.5	1.00	131.68	12,001.0	-339.1	380.8	-321.4	0.00	0.00	0.00
TBSG SAND									
12,054.9	1.00	131.68	12,036.4	-339.5	381.3	-321.8	0.00	0.00	0.00
12,100.0	3.91	10.17	12,081.5	-338.3	381.9	-320.6	10.00	6.45	-269.31
12,150.0	8.87	4.03	12,131.2	-332.7	382.4	-315.0	10.00	9.92	-12.28
12,200.0	13.86	2.29	12,180.2	-322.9	382.9	-305.2	10.00	9.98	-3.49
12,250.0	18.85	1.46	12,228.1	-308.8	383.4	-291.1	10.00	9.99	-1.66
12,300.0	23.85	0.96	12,274.7	-290.6	383.8	-272.9	10.00	9.99	-0.99
12,350.0	28.85	0.63	12,319.5	-268.5	384.1	-250.7	10.00	10.00	-0.66



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: #708Y
Wellbore: OH
Design: Plan #2

Local Co-ordinate Reference: Well #708Y
TVD Reference: KB = 25 @ 3373.0usft (H&P 610)
MD Reference: KB = 25 @ 3373.0usft (H&P 610)
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)
12,400.0	33.84	0.39	12,362.2	-242.5	384.3	-224.7	10.00	10.00	-0.48
12,450.0	38.84	0.21	12,402.4	-212.8	384.5	-195.1	10.00	10.00	-0.37
12,500.0	43.84	0.06	12,439.9	-179.8	384.5	-162.2	10.00	10.00	-0.30
12,515.5	45.40	0.02	12,451.0	-168.9	384.5	-151.3	10.00	10.00	-0.26
WFMP									
12,550.0	48.84	359.94	12,474.5	-143.7	384.5	-126.0	10.00	10.00	-0.24
12,600.0	53.84	359.83	12,505.7	-104.6	384.4	-87.0	10.00	10.00	-0.21
12,650.0	58.84	359.74	12,533.4	-63.0	384.3	-45.5	10.00	10.00	-0.19
12,657.1	59.55	359.73	12,537.0	-57.0	384.3	-39.4	10.00	10.00	-0.17
WFMP CLASTICS X BASE									
12,683.1	62.15	359.68	12,549.7	-34.2	384.1	-16.7	10.00	10.00	-0.17
FTP (End 36 ST COM#708H)									
12,700.0	63.84	359.65	12,557.4	-19.2	384.1	-1.7	10.00	10.00	-0.16
12,750.0	68.84	359.58	12,577.4	26.6	383.8	44.0	10.00	10.00	-0.15
12,800.0	73.84	359.51	12,593.4	74.0	383.4	91.3	10.00	10.00	-0.14
12,850.0	78.84	359.44	12,605.2	122.5	382.9	139.8	10.00	10.00	-0.14
12,865.5	80.38	359.42	12,608.0	137.7	382.8	155.0	10.00	10.00	-0.13
WFMP CLASTICS Y TOW									
12,900.0	83.84	359.37	12,612.7	172.0	382.4	189.2	10.00	10.00	-0.13
12,950.0	88.84	359.31	12,615.9	221.8	381.8	239.0	10.00	10.00	-0.13
12,959.4	89.77	359.29	12,616.0	231.2	381.7	248.3	10.00	10.00	-0.13
13,000.0	89.77	359.29	12,616.2	271.8	381.2	288.9	0.00	0.00	0.00
13,100.0	89.77	359.29	12,616.6	371.8	380.0	388.7	0.00	0.00	0.00
13,200.0	89.77	359.29	12,617.0	471.8	378.8	488.5	0.00	0.00	0.00
13,300.0	89.77	359.29	12,617.4	571.8	377.5	588.4	0.00	0.00	0.00
13,400.0	89.77	359.29	12,617.8	671.8	376.3	688.2	0.00	0.00	0.00
13,500.0	89.77	359.29	12,618.2	771.8	375.1	788.0	0.00	0.00	0.00
13,600.0	89.77	359.29	12,618.6	871.8	373.8	887.9	0.00	0.00	0.00
13,700.0	89.77	359.29	12,619.0	971.8	372.6	987.7	0.00	0.00	0.00
13,800.0	89.77	359.29	12,619.4	1,071.8	371.4	1,087.5	0.00	0.00	0.00
13,900.0	89.77	359.29	12,619.8	1,171.8	370.1	1,187.4	0.00	0.00	0.00
14,000.0	89.77	359.29	12,620.2	1,271.7	368.9	1,287.2	0.00	0.00	0.00
14,100.0	89.77	359.29	12,620.6	1,371.7	367.7	1,387.0	0.00	0.00	0.00
14,200.0	89.77	359.29	12,621.0	1,471.7	366.5	1,486.9	0.00	0.00	0.00
14,212.4	89.77	359.29	12,621.0	1,484.1	366.3	1,499.2	0.00	0.00	0.00
TGT#1 (End 36 ST COM#708H)									
14,226.7	89.93	359.53	12,621.0	1,498.4	366.2	1,513.5	2.00	1.11	1.67
14,300.0	89.93	359.53	12,621.1	1,571.7	365.6	1,586.7	0.00	0.00	0.00
14,400.0	89.93	359.53	12,621.2	1,671.7	364.7	1,686.6	0.00	0.00	0.00
14,500.0	89.93	359.53	12,621.4	1,771.7	363.9	1,786.4	0.00	0.00	0.00
14,600.0	89.93	359.53	12,621.5	1,871.7	363.1	1,886.3	0.00	0.00	0.00
14,700.0	89.93	359.53	12,621.6	1,971.7	362.3	1,986.1	0.00	0.00	0.00
14,800.0	89.93	359.53	12,621.7	2,071.7	361.5	2,086.0	0.00	0.00	0.00
14,900.0	89.93	359.53	12,621.8	2,171.7	360.7	2,185.8	0.00	0.00	0.00
15,000.0	89.93	359.53	12,622.0	2,271.7	359.8	2,285.7	0.00	0.00	0.00
15,100.0	89.93	359.53	12,622.1	2,371.7	359.0	2,385.6	0.00	0.00	0.00
15,200.0	89.93	359.53	12,622.2	2,471.7	358.2	2,485.4	0.00	0.00	0.00
15,300.0	89.93	359.53	12,622.3	2,571.7	357.4	2,585.3	0.00	0.00	0.00
15,400.0	89.93	359.53	12,622.4	2,671.7	356.6	2,685.1	0.00	0.00	0.00
15,500.0	89.93	359.53	12,622.6	2,771.7	355.8	2,785.0	0.00	0.00	0.00
15,600.0	89.93	359.53	12,622.7	2,871.7	355.0	2,884.8	0.00	0.00	0.00
15,700.0	89.93	359.53	12,622.8	2,971.7	354.1	2,984.7	0.00	0.00	0.00
15,800.0	89.93	359.53	12,622.9	3,071.7	353.3	3,084.6	0.00	0.00	0.00
15,900.0	89.93	359.53	12,623.0	3,171.7	352.5	3,184.4	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: #708Y
Wellbore: OH
Design: Plan #2

Local Co-ordinate Reference: Well #708Y
TVD Reference: KB = 25 @ 3373.0usft (H&P 610)
MD Reference: KB = 25 @ 3373.0usft (H&P 610)
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)
16,000.0	89.93	359.53	12,623.1	3,271.7	351.7	3,284.3	0.00	0.00	0.00
16,100.0	89.93	359.53	12,623.3	3,371.7	350.9	3,384.1	0.00	0.00	0.00
16,200.0	89.93	359.53	12,623.4	3,471.7	350.1	3,484.0	0.00	0.00	0.00
16,300.0	89.93	359.53	12,623.5	3,571.7	349.2	3,583.8	0.00	0.00	0.00
16,400.0	89.93	359.53	12,623.6	3,671.7	348.4	3,683.7	0.00	0.00	0.00
16,500.0	89.93	359.53	12,623.7	3,771.7	347.6	3,783.5	0.00	0.00	0.00
16,600.0	89.93	359.53	12,623.9	3,871.6	346.8	3,883.4	0.00	0.00	0.00
16,700.0	89.93	359.53	12,624.0	3,971.6	346.0	3,983.3	0.00	0.00	0.00
16,716.1	89.93	359.53	12,624.0	3,987.7	345.9	3,999.3	0.00	0.00	0.00
TGT#2 (End 36 ST COM#708H)									
16,718.0	89.97	359.53	12,624.0	3,989.7	345.8	4,001.3	2.00	2.00	-0.03
16,800.0	89.97	359.53	12,624.0	4,071.6	345.2	4,083.1	0.00	0.00	0.00
16,900.0	89.97	359.53	12,624.1	4,171.6	344.4	4,183.0	0.00	0.00	0.00
17,000.0	89.97	359.53	12,624.1	4,271.6	343.5	4,282.8	0.00	0.00	0.00
17,100.0	89.97	359.53	12,624.2	4,371.6	342.7	4,382.7	0.00	0.00	0.00
17,200.0	89.97	359.53	12,624.2	4,471.6	341.9	4,482.5	0.00	0.00	0.00
17,300.0	89.97	359.53	12,624.3	4,571.6	341.1	4,582.4	0.00	0.00	0.00
17,400.0	89.97	359.53	12,624.3	4,671.6	340.3	4,682.3	0.00	0.00	0.00
17,500.0	89.97	359.53	12,624.4	4,771.6	339.5	4,782.1	0.00	0.00	0.00
17,600.0	89.97	359.53	12,624.4	4,871.6	338.6	4,882.0	0.00	0.00	0.00
17,700.0	89.97	359.53	12,624.5	4,971.6	337.8	4,981.8	0.00	0.00	0.00
17,800.0	89.97	359.53	12,624.5	5,071.6	337.0	5,081.7	0.00	0.00	0.00
17,900.0	89.97	359.53	12,624.6	5,171.6	336.2	5,181.5	0.00	0.00	0.00
18,000.0	89.97	359.53	12,624.6	5,271.6	335.4	5,281.4	0.00	0.00	0.00
18,100.0	89.97	359.53	12,624.7	5,371.6	334.6	5,381.3	0.00	0.00	0.00
18,200.0	89.97	359.53	12,624.7	5,471.6	333.7	5,481.1	0.00	0.00	0.00
18,300.0	89.97	359.53	12,624.8	5,571.6	332.9	5,581.0	0.00	0.00	0.00
18,400.0	89.97	359.53	12,624.8	5,671.6	332.1	5,680.8	0.00	0.00	0.00
18,500.0	89.97	359.53	12,624.9	5,771.6	331.3	5,780.7	0.00	0.00	0.00
18,600.0	89.97	359.53	12,624.9	5,871.6	330.5	5,880.5	0.00	0.00	0.00
18,700.0	89.97	359.53	12,625.0	5,971.6	329.7	5,980.4	0.00	0.00	0.00
18,719.0	89.97	359.53	12,625.0	5,990.6	329.5	5,999.4	0.00	0.00	0.00
TGT#3 (End 36 ST COM#708H)									
18,725.7	89.84	359.53	12,625.0	5,997.3	329.4	6,006.0	2.00	-2.00	-0.01
18,800.0	89.84	359.53	12,625.2	6,071.6	328.8	6,080.2	0.00	0.00	0.00
18,900.0	89.84	359.53	12,625.5	6,171.6	328.0	6,180.1	0.00	0.00	0.00
19,000.0	89.84	359.53	12,625.8	6,271.6	327.2	6,280.0	0.00	0.00	0.00
19,100.0	89.84	359.53	12,626.1	6,371.6	326.4	6,379.8	0.00	0.00	0.00
19,200.0	89.84	359.53	12,626.4	6,471.6	325.6	6,479.7	0.00	0.00	0.00
19,300.0	89.84	359.53	12,626.6	6,571.6	324.7	6,579.5	0.00	0.00	0.00
19,400.0	89.84	359.53	12,626.9	6,671.6	323.9	6,679.4	0.00	0.00	0.00
19,500.0	89.84	359.53	12,627.2	6,771.5	323.1	6,779.2	0.00	0.00	0.00
19,600.0	89.84	359.53	12,627.5	6,871.5	322.3	6,879.1	0.00	0.00	0.00
19,700.0	89.84	359.53	12,627.8	6,971.5	321.5	6,978.9	0.00	0.00	0.00
19,782.5	89.84	359.53	12,628.0	7,054.0	320.8	7,061.3	0.00	0.00	0.00
PBHL (End 36 ST COM#708H)									



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: #708Y
 Wellbore: OH
 Design: Plan #2

Local Co-ordinate Reference: Well #708Y
 TVD Reference: KB = 25 @ 3373.0usft (H&P 610)
 MD Reference: KB = 25 @ 3373.0usft (H&P 610)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

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
FTP (End 36 ST COM#7 - plan misses target center by 77.8usft at 12683.1usft MD (12549.7 TVD, -34.2 N, 384.1 E) - Point	0.00	0.00	12,618.0	-71.0	379.0	365,050.00	751,389.00	32° 0' 3.759 N	103° 31' 20.604 W
TGT#1 (End 36 ST COM# - plan hits target center - Point	0.00	0.00	12,621.0	1,484.1	366.3	366,605.10	751,376.30	32° 0' 19.149 N	103° 31' 20.616 W
TGT#2 (End 36 ST COM# - plan hits target center - Point	0.00	0.00	12,624.0	3,987.7	345.9	369,108.70	751,355.85	32° 0' 43.925 N	103° 31' 20.635 W
TGT#3 (End 36 ST COM# - plan hits target center - Point	0.00	0.00	12,625.0	5,990.6	329.5	371,111.60	751,339.50	32° 1' 3.747 N	103° 31' 20.650 W
PBHL (End 36 ST COM# - plan misses target center by 100.0usft at 19782.5usft MD (12628.0 TVD, 7054.0 N, 320.8 E) - Rectangle (sides W60.0 H0.0 D7.225.4)	90.00	359.53	12,628.0	7,154.0	320.0	372,275.00	751,330.00	32° 1' 15.260 N	103° 31' 20.659 W

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
842.0	842.0	Rustler			
896.0	896.0	Tamarisk Anhy			
1,406.0	1,406.0	Top of Salt			
5,018.0	5,010.0	Base of Salt			
5,216.8	5,208.0	Lamar			
5,286.0	5,277.0	Bell Canyon			
6,298.6	6,286.0	Cherry Canyon			
7,989.9	7,972.0	Brushy Canyon			
9,457.1	9,439.0	Bone Spring Lime			
9,499.1	9,481.0	Leonard			
10,435.2	10,417.0	FBSG			
10,642.3	10,624.0	SBSG SHALE			
10,990.3	10,972.0	SBSG SAND			
11,426.4	11,408.0	TBSG CARB			
12,019.5	12,001.0	TBSG SAND			
12,515.5	12,451.0	WFMP			
12,657.1	12,537.0	WFMP CLASTICS X BASE			
12,865.5	12,608.0	WFMP CLASTICS Y TOW			