

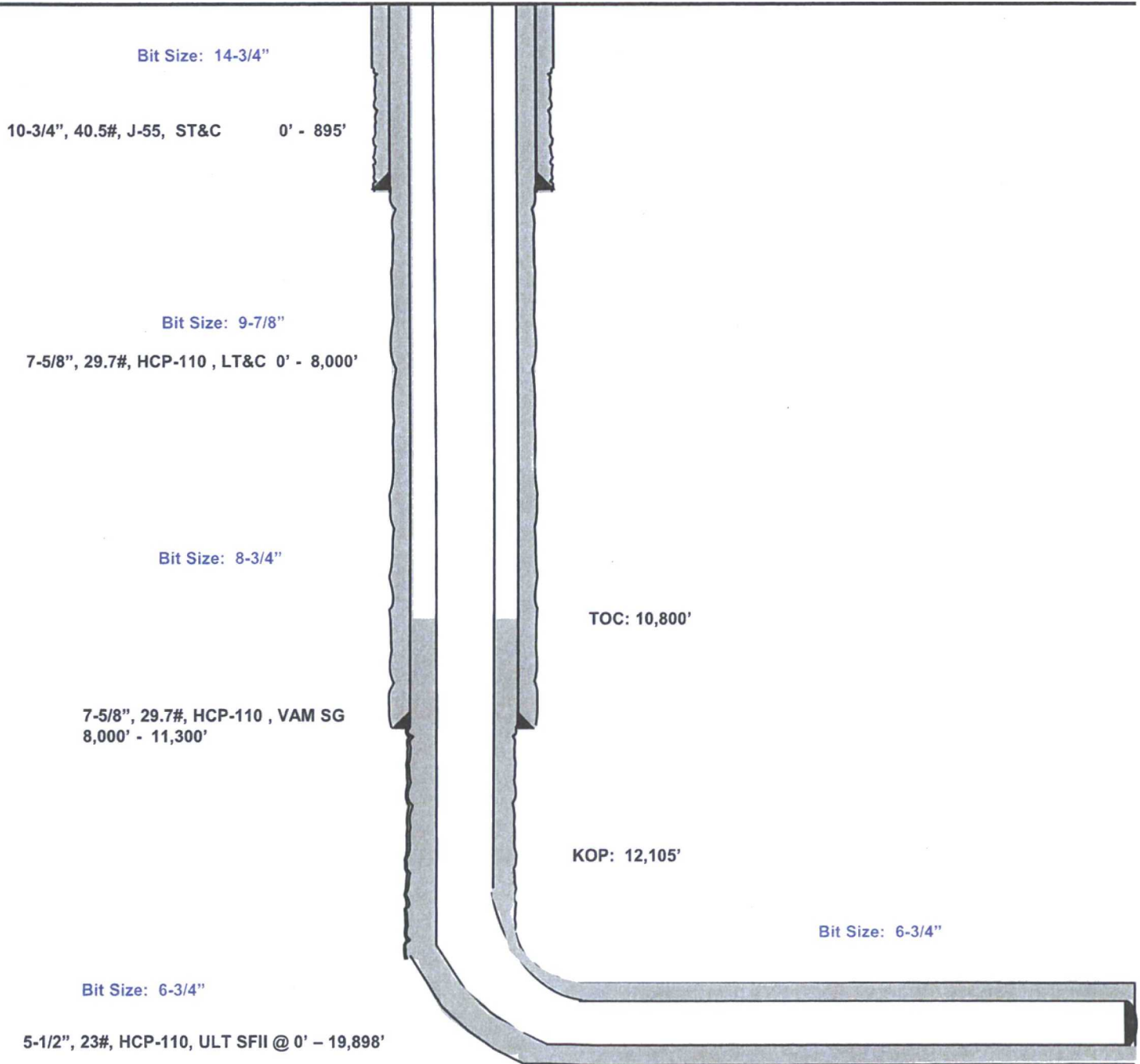
Endurance 36 State Com #707H

404' FSL
2068' FEL
Section 36
T-26-S, R-33-E

Lea County, New Mexico
Proposed Wellbore

API: 30-025-*****

KB: 3,375'
GL: 3,345'



Lateral: 19,898' MD, 12,590' TVD
Upper Most Perf:
330' FSL & 2305' FEL Sec. 36
Lower Most Perf:
330' FNL & 2312' FEL Sec. 25
BH Location: 230' FNL & 2312' FEL
Section 25
T-26-S, R-33-E



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Endurance 36 State Com

#707H

OH

Plan: Plan #0.1

Standard Planning Report

12 May, 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: #707H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #707H
TVD Reference: KB = 25 @ 3370.0usft
MD Reference: KB = 25 @ 3370.0usft
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: 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: #707H
Well Position: +N/-S 85.0 usft Northing: 365,121.00 usft Latitude: 32° 0' 4.493 N
+E/-W 1,462.0 usft Easting: 750,968.00 usft Longitude: 103° 31' 25.486 W
Position Uncertainty: 0.0 usft Wellhead Elevation: 0.0 usft Ground Level: 3,345.0 usft

Wellbore: OH
Magnetics: Model Name Sample Date Declination (°) Dip Angle (°) Field Strength (nT)
IGRF2015 5/12/2016 7.03 59.88 47,924

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 0.0 357.61

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	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,728.9	2.29	212.31	1,728.8	-3.9	-2.4	1.00	1.00	0.00	212.31	
12,105.0	2.29	212.31	12,096.6	-354.0	-223.9	0.00	0.00	0.00	0.00	
12,871.0	90.00	359.51	12,590.0	123.1	-238.7	12.00	11.45	19.22	147.17	
19,898.2	90.00	359.51	12,590.0	7,150.0	-299.0	0.00	0.00	0.00	0.00	0.00 PBHL (End 36 ST CO



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MD Reference: KB = 25 @ 3370.0usft
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)
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	1.00	212.31	1,600.0	-0.7	-0.5	-0.7	1.00	1.00	0.00
1,700.0	2.00	212.31	1,700.0	-2.9	-1.9	-2.9	1.00	1.00	0.00
1,728.9	2.29	212.31	1,728.8	-3.9	-2.4	-3.8	1.00	1.00	0.00
1,800.0	2.29	212.31	1,799.9	-6.3	-4.0	-6.1	0.00	0.00	0.00
1,900.0	2.29	212.31	1,899.8	-9.6	-6.1	-9.4	0.00	0.00	0.00
2,000.0	2.29	212.31	1,999.7	-13.0	-8.2	-12.7	0.00	0.00	0.00
2,100.0	2.29	212.31	2,099.6	-16.4	-10.4	-15.9	0.00	0.00	0.00
2,200.0	2.29	212.31	2,199.6	-19.8	-12.5	-19.2	0.00	0.00	0.00
2,300.0	2.29	212.31	2,299.5	-23.1	-14.6	-22.5	0.00	0.00	0.00
2,400.0	2.29	212.31	2,399.4	-26.5	-16.8	-25.8	0.00	0.00	0.00
2,500.0	2.29	212.31	2,499.3	-29.9	-18.9	-29.1	0.00	0.00	0.00
2,600.0	2.29	212.31	2,599.2	-33.3	-21.0	-32.4	0.00	0.00	0.00
2,700.0	2.29	212.31	2,699.2	-36.6	-23.2	-35.6	0.00	0.00	0.00
2,800.0	2.29	212.31	2,799.1	-40.0	-25.3	-38.9	0.00	0.00	0.00
2,900.0	2.29	212.31	2,899.0	-43.4	-27.4	-42.2	0.00	0.00	0.00
3,000.0	2.29	212.31	2,998.9	-46.8	-29.6	-45.5	0.00	0.00	0.00
3,100.0	2.29	212.31	3,098.8	-50.1	-31.7	-48.8	0.00	0.00	0.00
3,200.0	2.29	212.31	3,198.8	-53.5	-33.8	-52.0	0.00	0.00	0.00
3,300.0	2.29	212.31	3,298.7	-56.9	-36.0	-55.3	0.00	0.00	0.00
3,400.0	2.29	212.31	3,398.6	-60.3	-38.1	-58.6	0.00	0.00	0.00
3,500.0	2.29	212.31	3,498.5	-63.6	-40.2	-61.9	0.00	0.00	0.00
3,600.0	2.29	212.31	3,598.4	-67.0	-42.4	-65.2	0.00	0.00	0.00
3,700.0	2.29	212.31	3,698.4	-70.4	-44.5	-68.5	0.00	0.00	0.00
3,800.0	2.29	212.31	3,798.3	-73.8	-46.7	-71.7	0.00	0.00	0.00
3,900.0	2.29	212.31	3,898.2	-77.1	-48.8	-75.0	0.00	0.00	0.00
4,000.0	2.29	212.31	3,998.1	-80.5	-50.9	-78.3	0.00	0.00	0.00
4,100.0	2.29	212.31	4,098.0	-83.9	-53.1	-81.6	0.00	0.00	0.00
4,200.0	2.29	212.31	4,198.0	-87.3	-55.2	-84.9	0.00	0.00	0.00
4,300.0	2.29	212.31	4,297.9	-90.6	-57.3	-88.2	0.00	0.00	0.00
4,400.0	2.29	212.31	4,397.8	-94.0	-59.5	-91.4	0.00	0.00	0.00
4,500.0	2.29	212.31	4,497.7	-97.4	-61.6	-94.7	0.00	0.00	0.00
4,600.0	2.29	212.31	4,597.6	-100.8	-63.7	-98.0	0.00	0.00	0.00
4,700.0	2.29	212.31	4,697.6	-104.1	-65.9	-101.3	0.00	0.00	0.00
4,800.0	2.29	212.31	4,797.5	-107.5	-68.0	-104.6	0.00	0.00	0.00
4,900.0	2.29	212.31	4,897.4	-110.9	-70.1	-107.9	0.00	0.00	0.00
5,000.0	2.29	212.31	4,997.3	-114.3	-72.3	-111.1	0.00	0.00	0.00
5,100.0	2.29	212.31	5,097.3	-117.6	-74.4	-114.4	0.00	0.00	0.00
5,200.0	2.29	212.31	5,197.2	-121.0	-76.5	-117.7	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

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 Well: #707H
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 Design: Plan #0.1

Local Co-ordinate Reference: Well #707H
 TVD Reference: KB = 25 @ 3370.0usft
 MD Reference: KB = 25 @ 3370.0usft
 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)
5,300.0	2.29	212.31	5,297.1	-124.4	-78.7	-121.0	0.00	0.00	0.00
5,400.0	2.29	212.31	5,397.0	-127.8	-80.8	-124.3	0.00	0.00	0.00
5,500.0	2.29	212.31	5,496.9	-131.1	-82.9	-127.5	0.00	0.00	0.00
5,600.0	2.29	212.31	5,596.9	-134.5	-85.1	-130.8	0.00	0.00	0.00
5,700.0	2.29	212.31	5,696.8	-137.9	-87.2	-134.1	0.00	0.00	0.00
5,800.0	2.29	212.31	5,796.7	-141.3	-89.3	-137.4	0.00	0.00	0.00
5,900.0	2.29	212.31	5,896.6	-144.6	-91.5	-140.7	0.00	0.00	0.00
6,000.0	2.29	212.31	5,996.5	-148.0	-93.6	-144.0	0.00	0.00	0.00
6,100.0	2.29	212.31	6,096.5	-151.4	-95.7	-147.2	0.00	0.00	0.00
6,200.0	2.29	212.31	6,196.4	-154.8	-97.9	-150.5	0.00	0.00	0.00
6,300.0	2.29	212.31	6,296.3	-158.1	-100.0	-153.8	0.00	0.00	0.00
6,400.0	2.29	212.31	6,396.2	-161.5	-102.2	-157.1	0.00	0.00	0.00
6,500.0	2.29	212.31	6,496.1	-164.9	-104.3	-160.4	0.00	0.00	0.00
6,600.0	2.29	212.31	6,596.1	-168.3	-106.4	-163.7	0.00	0.00	0.00
6,700.0	2.29	212.31	6,696.0	-171.6	-108.6	-166.9	0.00	0.00	0.00
6,800.0	2.29	212.31	6,795.9	-175.0	-110.7	-170.2	0.00	0.00	0.00
6,900.0	2.29	212.31	6,895.8	-178.4	-112.8	-173.5	0.00	0.00	0.00
7,000.0	2.29	212.31	6,995.7	-181.7	-115.0	-176.8	0.00	0.00	0.00
7,100.0	2.29	212.31	7,095.7	-185.1	-117.1	-180.1	0.00	0.00	0.00
7,200.0	2.29	212.31	7,195.6	-188.5	-119.2	-183.4	0.00	0.00	0.00
7,300.0	2.29	212.31	7,295.5	-191.9	-121.4	-186.6	0.00	0.00	0.00
7,400.0	2.29	212.31	7,395.4	-195.2	-123.5	-189.9	0.00	0.00	0.00
7,500.0	2.29	212.31	7,495.3	-198.6	-125.6	-193.2	0.00	0.00	0.00
7,600.0	2.29	212.31	7,595.3	-202.0	-127.8	-196.5	0.00	0.00	0.00
7,700.0	2.29	212.31	7,695.2	-205.4	-129.9	-199.8	0.00	0.00	0.00
7,800.0	2.29	212.31	7,795.1	-208.7	-132.0	-203.0	0.00	0.00	0.00
7,900.0	2.29	212.31	7,895.0	-212.1	-134.2	-206.3	0.00	0.00	0.00
8,000.0	2.29	212.31	7,994.9	-215.5	-136.3	-209.6	0.00	0.00	0.00
8,100.0	2.29	212.31	8,094.9	-218.9	-138.4	-212.9	0.00	0.00	0.00
8,200.0	2.29	212.31	8,194.8	-222.2	-140.6	-216.2	0.00	0.00	0.00
8,300.0	2.29	212.31	8,294.7	-225.6	-142.7	-219.5	0.00	0.00	0.00
8,400.0	2.29	212.31	8,394.6	-229.0	-144.8	-222.7	0.00	0.00	0.00
8,500.0	2.29	212.31	8,494.5	-232.4	-147.0	-226.0	0.00	0.00	0.00
8,600.0	2.29	212.31	8,594.5	-235.7	-149.1	-229.3	0.00	0.00	0.00
8,700.0	2.29	212.31	8,694.4	-239.1	-151.2	-232.6	0.00	0.00	0.00
8,800.0	2.29	212.31	8,794.3	-242.5	-153.4	-235.9	0.00	0.00	0.00
8,900.0	2.29	212.31	8,894.2	-245.9	-155.5	-239.2	0.00	0.00	0.00
9,000.0	2.29	212.31	8,994.1	-249.2	-157.7	-242.4	0.00	0.00	0.00
9,100.0	2.29	212.31	9,094.1	-252.6	-159.8	-245.7	0.00	0.00	0.00
9,200.0	2.29	212.31	9,194.0	-256.0	-161.9	-249.0	0.00	0.00	0.00
9,300.0	2.29	212.31	9,293.9	-259.4	-164.1	-252.3	0.00	0.00	0.00
9,400.0	2.29	212.31	9,393.8	-262.7	-166.2	-255.6	0.00	0.00	0.00
9,500.0	2.29	212.31	9,493.7	-266.1	-168.3	-258.9	0.00	0.00	0.00
9,600.0	2.29	212.31	9,593.7	-269.5	-170.5	-262.1	0.00	0.00	0.00
9,700.0	2.29	212.31	9,693.6	-272.9	-172.6	-265.4	0.00	0.00	0.00
9,800.0	2.29	212.31	9,793.5	-276.2	-174.7	-268.7	0.00	0.00	0.00
9,900.0	2.29	212.31	9,893.4	-279.6	-176.9	-272.0	0.00	0.00	0.00
10,000.0	2.29	212.31	9,993.3	-283.0	-179.0	-275.3	0.00	0.00	0.00
10,100.0	2.29	212.31	10,093.3	-286.4	-181.1	-278.5	0.00	0.00	0.00
10,200.0	2.29	212.31	10,193.2	-289.7	-183.3	-281.8	0.00	0.00	0.00
10,300.0	2.29	212.31	10,293.1	-293.1	-185.4	-285.1	0.00	0.00	0.00
10,400.0	2.29	212.31	10,393.0	-296.5	-187.5	-288.4	0.00	0.00	0.00
10,500.0	2.29	212.31	10,492.9	-299.9	-189.7	-291.7	0.00	0.00	0.00
10,600.0	2.29	212.31	10,592.9	-303.2	-191.8	-295.0	0.00	0.00	0.00



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Survey Calculation Method:

Well #707H

KB = 25 @ 3370.0usft

KB = 25 @ 3370.0usft

Grid

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)
10,700.0	2.29	212.31	10,692.8	-306.6	-193.9	-298.2	0.00	0.00	0.00
10,800.0	2.29	212.31	10,792.7	-310.0	-196.1	-301.5	0.00	0.00	0.00
10,900.0	2.29	212.31	10,892.6	-313.4	-198.2	-304.8	0.00	0.00	0.00
11,000.0	2.29	212.31	10,992.5	-316.7	-200.3	-308.1	0.00	0.00	0.00
11,100.0	2.29	212.31	11,092.5	-320.1	-202.5	-311.4	0.00	0.00	0.00
11,200.0	2.29	212.31	11,192.4	-323.5	-204.6	-314.7	0.00	0.00	0.00
11,300.0	2.29	212.31	11,292.3	-326.9	-206.7	-317.9	0.00	0.00	0.00
11,400.0	2.29	212.31	11,392.2	-330.2	-208.9	-321.2	0.00	0.00	0.00
11,500.0	2.29	212.31	11,492.1	-333.6	-211.0	-324.5	0.00	0.00	0.00
11,600.0	2.29	212.31	11,592.1	-337.0	-213.2	-327.8	0.00	0.00	0.00
11,700.0	2.29	212.31	11,692.0	-340.4	-215.3	-331.1	0.00	0.00	0.00
11,800.0	2.29	212.31	11,791.9	-343.7	-217.4	-334.4	0.00	0.00	0.00
11,900.0	2.29	212.31	11,891.8	-347.1	-219.6	-337.6	0.00	0.00	0.00
12,000.0	2.29	212.31	11,991.7	-350.5	-221.7	-340.9	0.00	0.00	0.00
12,105.0	2.29	212.31	12,096.6	-354.0	-223.9	-344.4	0.00	0.00	0.00
KOP (End 36 ST COM#707H)									
12,125.0	1.33	290.71	12,116.7	-354.3	-224.4	-344.6	12.00	-4.78	391.25
12,150.0	3.70	339.92	12,141.6	-353.4	-224.9	-343.7	12.00	9.46	196.84
12,175.0	6.60	348.72	12,166.5	-351.3	-225.5	-341.5	12.00	11.61	35.20
12,200.0	9.56	352.12	12,191.3	-347.8	-226.0	-338.0	12.00	11.85	13.61
12,225.0	12.54	353.92	12,215.8	-343.0	-226.6	-333.3	12.00	11.92	7.20
12,250.0	15.53	355.04	12,240.1	-337.0	-227.2	-327.2	12.00	11.95	4.47
12,275.0	18.52	355.80	12,264.0	-329.7	-227.8	-319.9	12.00	11.97	3.05
12,300.0	21.52	356.36	12,287.5	-321.2	-228.3	-311.3	12.00	11.98	2.23
12,325.0	24.51	356.79	12,310.5	-311.4	-228.9	-301.6	12.00	11.98	1.71
12,350.0	27.51	357.13	12,332.9	-300.5	-229.5	-290.6	12.00	11.99	1.36
12,375.0	30.50	357.40	12,354.8	-288.4	-230.1	-278.5	12.00	11.99	1.11
12,400.0	33.50	357.63	12,376.0	-275.1	-230.7	-265.2	12.00	11.99	0.93
12,425.0	36.50	357.83	12,396.5	-260.8	-231.2	-250.9	12.00	11.99	0.79
12,450.0	39.50	358.00	12,416.2	-245.4	-231.8	-235.5	12.00	11.99	0.69
12,475.0	42.50	358.15	12,435.0	-229.0	-232.3	-219.1	12.00	11.99	0.60
12,500.0	45.49	358.29	12,453.0	-211.7	-232.9	-201.8	12.00	11.99	0.54
12,525.0	48.49	358.41	12,470.1	-193.4	-233.4	-183.5	12.00	11.99	0.49
12,550.0	51.49	358.52	12,486.1	-174.3	-233.9	-164.3	12.00	12.00	0.44
12,575.0	54.49	358.62	12,501.2	-154.3	-234.4	-144.4	12.00	12.00	0.41
12,600.0	57.49	358.72	12,515.2	-133.6	-234.9	-123.7	12.00	12.00	0.38
12,625.0	60.49	358.81	12,528.0	-112.2	-235.3	-102.2	12.00	12.00	0.35
12,650.0	63.49	358.89	12,539.8	-90.1	-235.8	-80.2	12.00	12.00	0.33
12,665.4	65.34	358.94	12,546.4	-76.2	-236.1	-66.3	12.00	12.00	0.32
FTP (End 36 ST COM#707H)									
12,675.0	66.49	358.97	12,550.3	-67.5	-236.2	-57.5	12.00	12.00	0.31
12,700.0	69.49	359.04	12,559.7	-44.3	-236.6	-34.4	12.00	12.00	0.30
12,725.0	72.49	359.12	12,567.9	-20.7	-237.0	-10.7	12.00	12.00	0.29
12,750.0	75.48	359.19	12,574.8	3.4	-237.4	13.3	12.00	12.00	0.28
12,775.0	78.48	359.26	12,580.4	27.7	-237.7	37.6	12.00	12.00	0.27
12,800.0	81.48	359.32	12,584.7	52.3	-238.0	62.2	12.00	12.00	0.27
12,825.0	84.48	359.39	12,587.8	77.1	-238.3	87.0	12.00	12.00	0.26
12,850.0	87.48	359.45	12,589.5	102.1	-238.5	112.0	12.00	12.00	0.26
12,871.0	90.00	359.51	12,590.0	123.1	-238.7	132.9	12.00	12.00	0.26
12,900.0	90.00	359.51	12,590.0	152.1	-239.0	161.9	0.00	0.00	0.00
13,000.0	90.00	359.51	12,590.0	252.1	-239.8	261.9	0.00	0.00	0.00
13,100.0	90.00	359.51	12,590.0	352.1	-240.7	361.8	0.00	0.00	0.00
13,200.0	90.00	359.51	12,590.0	452.1	-241.5	461.8	0.00	0.00	0.00
13,300.0	90.00	359.51	12,590.0	552.1	-242.4	561.7	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: #707H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well #707H
KB = 25 @ 3370.0usft
KB = 25 @ 3370.0usft
Grid
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)
13,400.0	90.00	359.51	12,590.0	652.0	-243.2	661.6	0.00	0.00	0.00
13,500.0	90.00	359.51	12,590.0	752.0	-244.1	761.6	0.00	0.00	0.00
13,600.0	90.00	359.51	12,590.0	852.0	-245.0	861.5	0.00	0.00	0.00
13,700.0	90.00	359.51	12,590.0	952.0	-245.8	961.5	0.00	0.00	0.00
13,800.0	90.00	359.51	12,590.0	1,052.0	-246.7	1,061.4	0.00	0.00	0.00
13,900.0	90.00	359.51	12,590.0	1,152.0	-247.5	1,161.4	0.00	0.00	0.00
14,000.0	90.00	359.51	12,590.0	1,252.0	-248.4	1,261.3	0.00	0.00	0.00
14,100.0	90.00	359.51	12,590.0	1,352.0	-249.3	1,361.3	0.00	0.00	0.00
14,200.0	90.00	359.51	12,590.0	1,452.0	-250.1	1,461.2	0.00	0.00	0.00
14,300.0	90.00	359.51	12,590.0	1,552.0	-251.0	1,561.1	0.00	0.00	0.00
14,400.0	90.00	359.51	12,590.0	1,652.0	-251.8	1,661.1	0.00	0.00	0.00
14,500.0	90.00	359.51	12,590.0	1,752.0	-252.7	1,761.0	0.00	0.00	0.00
14,600.0	90.00	359.51	12,590.0	1,852.0	-253.5	1,861.0	0.00	0.00	0.00
14,700.0	90.00	359.51	12,590.0	1,952.0	-254.4	1,960.9	0.00	0.00	0.00
14,800.0	90.00	359.51	12,590.0	2,052.0	-255.3	2,060.9	0.00	0.00	0.00
14,900.0	90.00	359.51	12,590.0	2,152.0	-256.1	2,160.8	0.00	0.00	0.00
15,000.0	90.00	359.51	12,590.0	2,252.0	-257.0	2,260.8	0.00	0.00	0.00
15,100.0	90.00	359.51	12,590.0	2,352.0	-257.8	2,360.7	0.00	0.00	0.00
15,200.0	90.00	359.51	12,590.0	2,452.0	-258.7	2,460.6	0.00	0.00	0.00
15,300.0	90.00	359.51	12,590.0	2,552.0	-259.5	2,560.6	0.00	0.00	0.00
15,400.0	90.00	359.51	12,590.0	2,652.0	-260.4	2,660.5	0.00	0.00	0.00
15,500.0	90.00	359.51	12,590.0	2,752.0	-261.3	2,760.5	0.00	0.00	0.00
15,600.0	90.00	359.51	12,590.0	2,852.0	-262.1	2,860.4	0.00	0.00	0.00
15,700.0	90.00	359.51	12,590.0	2,952.0	-263.0	2,960.4	0.00	0.00	0.00
15,800.0	90.00	359.51	12,590.0	3,052.0	-263.8	3,060.3	0.00	0.00	0.00
15,900.0	90.00	359.51	12,590.0	3,152.0	-264.7	3,160.3	0.00	0.00	0.00
16,000.0	90.00	359.51	12,590.0	3,252.0	-265.6	3,260.2	0.00	0.00	0.00
16,100.0	90.00	359.51	12,590.0	3,351.9	-266.4	3,360.2	0.00	0.00	0.00
16,200.0	90.00	359.51	12,590.0	3,451.9	-267.3	3,460.1	0.00	0.00	0.00
16,300.0	90.00	359.51	12,590.0	3,551.9	-268.1	3,560.0	0.00	0.00	0.00
16,400.0	90.00	359.51	12,590.0	3,651.9	-269.0	3,660.0	0.00	0.00	0.00
16,500.0	90.00	359.51	12,590.0	3,751.9	-269.8	3,759.9	0.00	0.00	0.00
16,600.0	90.00	359.51	12,590.0	3,851.9	-270.7	3,859.9	0.00	0.00	0.00
16,700.0	90.00	359.51	12,590.0	3,951.9	-271.6	3,959.8	0.00	0.00	0.00
16,800.0	90.00	359.51	12,590.0	4,051.9	-272.4	4,059.8	0.00	0.00	0.00
16,900.0	90.00	359.51	12,590.0	4,151.9	-273.3	4,159.7	0.00	0.00	0.00
17,000.0	90.00	359.51	12,590.0	4,251.9	-274.1	4,259.7	0.00	0.00	0.00
17,100.0	90.00	359.51	12,590.0	4,351.9	-275.0	4,359.6	0.00	0.00	0.00
17,200.0	90.00	359.51	12,590.0	4,451.9	-275.9	4,459.5	0.00	0.00	0.00
17,300.0	90.00	359.51	12,590.0	4,551.9	-276.7	4,559.5	0.00	0.00	0.00
17,400.0	90.00	359.51	12,590.0	4,651.9	-277.6	4,659.4	0.00	0.00	0.00
17,500.0	90.00	359.51	12,590.0	4,751.9	-278.4	4,759.4	0.00	0.00	0.00
17,600.0	90.00	359.51	12,590.0	4,851.9	-279.3	4,859.3	0.00	0.00	0.00
17,700.0	90.00	359.51	12,590.0	4,951.9	-280.1	4,959.3	0.00	0.00	0.00
17,800.0	90.00	359.51	12,590.0	5,051.9	-281.0	5,059.2	0.00	0.00	0.00
17,900.0	90.00	359.51	12,590.0	5,151.9	-281.9	5,159.2	0.00	0.00	0.00
18,000.0	90.00	359.51	12,590.0	5,251.9	-282.7	5,259.1	0.00	0.00	0.00
18,100.0	90.00	359.51	12,590.0	5,351.9	-283.6	5,359.1	0.00	0.00	0.00
18,200.0	90.00	359.51	12,590.0	5,451.9	-284.4	5,459.0	0.00	0.00	0.00
18,300.0	90.00	359.51	12,590.0	5,551.9	-285.3	5,558.9	0.00	0.00	0.00
18,400.0	90.00	359.51	12,590.0	5,651.9	-286.1	5,658.9	0.00	0.00	0.00
18,500.0	90.00	359.51	12,590.0	5,751.9	-287.0	5,758.8	0.00	0.00	0.00
18,600.0	90.00	359.51	12,590.0	5,851.9	-287.9	5,858.8	0.00	0.00	0.00
18,700.0	90.00	359.51	12,590.0	5,951.9	-288.7	5,958.7	0.00	0.00	0.00



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Planning Report

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Site: Endurance 36 State Com
Well: #707H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #707H
TVD Reference: KB = 25 @ 3370.0usft
MD Reference: KB = 25 @ 3370.0usft
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)
18,800.0	90.00	359.51	12,590.0	6,051.8	-289.6	6,058.7	0.00	0.00	0.00
18,900.0	90.00	359.51	12,590.0	6,151.8	-290.4	6,158.6	0.00	0.00	0.00
19,000.0	90.00	359.51	12,590.0	6,251.8	-291.3	6,258.6	0.00	0.00	0.00
19,100.0	90.00	359.51	12,590.0	6,351.8	-292.2	6,358.5	0.00	0.00	0.00
19,200.0	90.00	359.51	12,590.0	6,451.8	-293.0	6,458.4	0.00	0.00	0.00
19,300.0	90.00	359.51	12,590.0	6,551.8	-293.9	6,558.4	0.00	0.00	0.00
19,400.0	90.00	359.51	12,590.0	6,651.8	-294.7	6,658.3	0.00	0.00	0.00
19,500.0	90.00	359.51	12,590.0	6,751.8	-295.6	6,758.3	0.00	0.00	0.00
19,600.0	90.00	359.51	12,590.0	6,851.8	-296.4	6,858.2	0.00	0.00	0.00
19,700.0	90.00	359.51	12,590.0	6,951.8	-297.3	6,958.2	0.00	0.00	0.00
19,798.2	90.00	359.51	12,590.0	7,050.0	-298.1	7,056.3	0.00	0.00	0.00
LTP (End 36 ST COM#707H)									
19,800.0	90.00	359.51	12,590.0	7,051.8	-298.2	7,058.1	0.00	0.00	0.00
19,898.2	90.00	359.51	12,590.0	7,150.0	-299.0	7,156.2	0.00	0.00	0.00
PBHL (End 36 ST COM#707H)									

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
KOP (End 36 ST COM#707H) - plan hits target center - Point	0.00	0.01	12,096.6	-354.0	-223.9	364,766.97	750,744.07	32° 0' 1.006 N	103° 31' 28.117 W
FTP (End 36 ST COM#707H) - plan misses target center by 1.1usft at 12665.4usft MD (12546.4 TVD, -76.2 N, -236.1 E) - Point	0.00	0.00	12,546.0	-76.0	-237.0	365,045.00	750,731.00	32° 0' 3.758 N	103° 31' 28.245 W
PBHL (End 36 ST COM#707H) - plan hits target center - Point	0.00	0.00	12,590.0	7,150.0	-299.0	372,271.00	750,668.00	32° 1' 15.269 N	103° 31' 28.337 W
LTP (End 36 ST COM#707H) - plan misses target center by 0.1usft at 19798.2usft MD (12590.0 TVD, 7050.0 N, -298.1 E) - Point	0.00	0.00	12,590.0	7,050.0	-298.0	372,171.00	750,670.00	32° 1' 14.280 N	103° 31' 28.334 W