



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Colgrove 35 Fed Com

#703H

OH

Plan: Plan #.01

Standard Planning Report

14 July, 2016

HOBBS OCD
FEB 06 2017
RECEIVED

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Colgrove 35 Fed Com
Well: #703H
Wellbore: OH
Design: Plan #.01

Local Co-ordinate Reference: Well #703H
TVD Reference: KB = 25' @ 3345.0usft
MD Reference: KB = 25' @ 3345.0usft
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 Colgrove 35 Fed Com

Site Position:		Northing:	365,015.00 usft	Latitude:	32° 0' 4.048 N
From:	Map	Easting:	742,682.00 usft	Longitude:	103° 33' 1.713 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.41 °

Well #703H

Well Position	+N/-S	-96.0 usft	Northing:	364,919.00 usft	Latitude:	32° 0' 2.971 N
	+E/-W	1,756.0 usft	Easting:	744,438.00 usft	Longitude:	103° 32' 41.331 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,320.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/13/2016	7.03	59.87	47,904

Design Plan #.01

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	357.07

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	
4,777.4	2.77	235.78	4,777.3	-3.8	-5.6	1.00	1.00	0.00	235.78	
11,983.6	2.77	235.78	11,975.1	-199.9	-293.9	0.00	0.00	0.00	0.00	
12,746.5	90.00	359.54	12,465.0	277.2	-317.5	12.00	11.43	16.22	123.73	
19,783.5	90.00	359.54	12,465.0	7,314.0	-374.0	0.00	0.00	0.00	0.00	PBHL (CG 35 Fed 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	235.78	4,600.0	-0.5	-0.7	-0.5	1.00	1.00	0.00
4,700.0	2.00	235.78	4,700.0	-2.0	-2.9	-1.8	1.00	1.00	0.00
4,777.4	2.77	235.78	4,777.3	-3.8	-5.6	-3.5	1.00	1.00	0.00
4,800.0	2.77	235.78	4,799.9	-4.4	-6.5	-4.1	0.00	0.00	0.00
4,900.0	2.77	235.78	4,899.7	-7.1	-10.5	-6.6	0.00	0.00	0.00
5,000.0	2.77	235.78	4,999.6	-9.8	-14.5	-9.1	0.00	0.00	0.00
5,100.0	2.77	235.78	5,099.5	-12.6	-18.5	-11.6	0.00	0.00	0.00
5,200.0	2.77	235.78	5,199.4	-15.3	-22.5	-14.1	0.00	0.00	0.00

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5,300.0	2.77	235.78	5,299.3	-18.0	-26.5	-16.6	0.00	0.00	0.00
5,400.0	2.77	235.78	5,399.2	-20.7	-30.5	-19.1	0.00	0.00	0.00
5,500.0	2.77	235.78	5,499.0	-23.4	-34.5	-21.6	0.00	0.00	0.00
5,600.0	2.77	235.78	5,598.9	-26.2	-38.5	-24.2	0.00	0.00	0.00
5,700.0	2.77	235.78	5,698.8	-28.9	-42.5	-26.7	0.00	0.00	0.00
5,800.0	2.77	235.78	5,798.7	-31.6	-46.5	-29.2	0.00	0.00	0.00
5,900.0	2.77	235.78	5,898.6	-34.3	-50.5	-31.7	0.00	0.00	0.00
6,000.0	2.77	235.78	5,998.5	-37.0	-54.5	-34.2	0.00	0.00	0.00
6,100.0	2.77	235.78	6,098.3	-39.8	-58.5	-36.7	0.00	0.00	0.00
6,200.0	2.77	235.78	6,198.2	-42.5	-62.5	-39.2	0.00	0.00	0.00
6,300.0	2.77	235.78	6,298.1	-45.2	-66.5	-41.8	0.00	0.00	0.00
6,400.0	2.77	235.78	6,398.0	-47.9	-70.5	-44.3	0.00	0.00	0.00
6,500.0	2.77	235.78	6,497.9	-50.7	-74.5	-46.8	0.00	0.00	0.00
6,600.0	2.77	235.78	6,597.8	-53.4	-78.5	-49.3	0.00	0.00	0.00
6,700.0	2.77	235.78	6,697.6	-56.1	-82.5	-51.8	0.00	0.00	0.00
6,800.0	2.77	235.78	6,797.5	-58.8	-86.5	-54.3	0.00	0.00	0.00
6,900.0	2.77	235.78	6,897.4	-61.5	-90.5	-56.8	0.00	0.00	0.00
7,000.0	2.77	235.78	6,997.3	-64.3	-94.5	-59.4	0.00	0.00	0.00
7,100.0	2.77	235.78	7,097.2	-67.0	-98.5	-61.9	0.00	0.00	0.00
7,200.0	2.77	235.78	7,197.1	-69.7	-102.5	-64.4	0.00	0.00	0.00
7,300.0	2.77	235.78	7,296.9	-72.4	-106.5	-66.9	0.00	0.00	0.00
7,400.0	2.77	235.78	7,396.8	-75.1	-110.5	-69.4	0.00	0.00	0.00
7,500.0	2.77	235.78	7,496.7	-77.9	-114.5	-71.9	0.00	0.00	0.00
7,600.0	2.77	235.78	7,596.6	-80.6	-118.5	-74.4	0.00	0.00	0.00
7,700.0	2.77	235.78	7,696.5	-83.3	-122.5	-76.9	0.00	0.00	0.00
7,800.0	2.77	235.78	7,796.3	-86.0	-126.5	-79.5	0.00	0.00	0.00
7,900.0	2.77	235.78	7,896.2	-88.8	-130.5	-82.0	0.00	0.00	0.00
8,000.0	2.77	235.78	7,996.1	-91.5	-134.5	-84.5	0.00	0.00	0.00
8,100.0	2.77	235.78	8,096.0	-94.2	-138.5	-87.0	0.00	0.00	0.00
8,200.0	2.77	235.78	8,195.9	-96.9	-142.5	-89.5	0.00	0.00	0.00
8,300.0	2.77	235.78	8,295.8	-99.6	-146.5	-92.0	0.00	0.00	0.00
8,400.0	2.77	235.78	8,395.6	-102.4	-150.5	-94.5	0.00	0.00	0.00
8,500.0	2.77	235.78	8,495.5	-105.1	-154.5	-97.1	0.00	0.00	0.00
8,600.0	2.77	235.78	8,595.4	-107.8	-158.5	-99.6	0.00	0.00	0.00
8,700.0	2.77	235.78	8,695.3	-110.5	-162.5	-102.1	0.00	0.00	0.00
8,800.0	2.77	235.78	8,795.2	-113.2	-166.5	-104.6	0.00	0.00	0.00
8,900.0	2.77	235.78	8,895.1	-116.0	-170.5	-107.1	0.00	0.00	0.00
9,000.0	2.77	235.78	8,994.9	-118.7	-174.5	-109.6	0.00	0.00	0.00
9,100.0	2.77	235.78	9,094.8	-121.4	-178.5	-112.1	0.00	0.00	0.00
9,200.0	2.77	235.78	9,194.7	-124.1	-182.5	-114.7	0.00	0.00	0.00
9,300.0	2.77	235.78	9,294.6	-126.9	-186.5	-117.2	0.00	0.00	0.00
9,400.0	2.77	235.78	9,394.5	-129.6	-190.5	-119.7	0.00	0.00	0.00
9,500.0	2.77	235.78	9,494.4	-132.3	-194.5	-122.2	0.00	0.00	0.00
9,600.0	2.77	235.78	9,594.2	-135.0	-198.5	-124.7	0.00	0.00	0.00
9,700.0	2.77	235.78	9,694.1	-137.7	-202.5	-127.2	0.00	0.00	0.00
9,800.0	2.77	235.78	9,794.0	-140.5	-206.6	-129.7	0.00	0.00	0.00
9,900.0	2.77	235.78	9,893.9	-143.2	-210.6	-132.2	0.00	0.00	0.00
10,000.0	2.77	235.78	9,993.8	-145.9	-214.6	-134.8	0.00	0.00	0.00
10,100.0	2.77	235.78	10,093.7	-148.6	-218.6	-137.3	0.00	0.00	0.00
10,200.0	2.77	235.78	10,193.5	-151.4	-222.6	-139.8	0.00	0.00	0.00
10,300.0	2.77	235.78	10,293.4	-154.1	-226.6	-142.3	0.00	0.00	0.00
10,400.0	2.77	235.78	10,393.3	-156.8	-230.6	-144.8	0.00	0.00	0.00
10,500.0	2.77	235.78	10,493.2	-159.5	-234.6	-147.3	0.00	0.00	0.00
10,600.0	2.77	235.78	10,593.1	-162.2	-238.6	-149.8	0.00	0.00	0.00

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10,700.0	2.77	235.78	10,693.0	-165.0	-242.6	-152.4	0.00	0.00	0.00
10,800.0	2.77	235.78	10,792.8	-167.7	-246.6	-154.9	0.00	0.00	0.00
10,900.0	2.77	235.78	10,892.7	-170.4	-250.6	-157.4	0.00	0.00	0.00
11,000.0	2.77	235.78	10,992.6	-173.1	-254.6	-159.9	0.00	0.00	0.00
11,100.0	2.77	235.78	11,092.5	-175.8	-258.6	-162.4	0.00	0.00	0.00
11,200.0	2.77	235.78	11,192.4	-178.6	-262.6	-164.9	0.00	0.00	0.00
11,300.0	2.77	235.78	11,292.2	-181.3	-266.6	-167.4	0.00	0.00	0.00
11,400.0	2.77	235.78	11,392.1	-184.0	-270.6	-169.9	0.00	0.00	0.00
11,500.0	2.77	235.78	11,492.0	-186.7	-274.6	-172.5	0.00	0.00	0.00
11,600.0	2.77	235.78	11,591.9	-189.5	-278.6	-175.0	0.00	0.00	0.00
11,700.0	2.77	235.78	11,691.8	-192.2	-282.6	-177.5	0.00	0.00	0.00
11,800.0	2.77	235.78	11,791.7	-194.9	-286.6	-180.0	0.00	0.00	0.00
11,900.0	2.77	235.78	11,891.5	-197.6	-290.6	-182.5	0.00	0.00	0.00
11,983.6	2.77	235.78	11,975.1	-199.9	-293.9	-184.6	0.00	0.00	0.00
12,000.0	2.35	279.90	11,991.4	-200.1	-294.6	-184.8	12.00	-2.62	269.75
12,025.0	4.13	325.59	12,016.4	-199.2	-295.6	-183.9	12.00	7.12	182.76
12,050.0	6.82	339.86	12,041.3	-197.1	-296.6	-181.7	12.00	10.78	57.08
12,075.0	9.70	345.91	12,066.0	-193.7	-297.7	-178.2	12.00	11.50	24.17
12,100.0	12.63	349.18	12,090.5	-188.9	-298.7	-173.4	12.00	11.73	13.11
12,125.0	15.59	351.24	12,114.8	-182.9	-299.7	-167.4	12.00	11.83	8.22
12,150.0	18.56	352.65	12,138.7	-175.7	-300.7	-160.1	12.00	11.89	5.64
12,175.0	21.54	353.68	12,162.2	-167.1	-301.7	-151.5	12.00	11.92	4.13
12,200.0	24.52	354.47	12,185.2	-157.4	-302.7	-141.7	12.00	11.94	3.17
12,225.0	27.51	355.10	12,207.6	-146.5	-303.7	-130.8	12.00	11.95	2.52
12,250.0	30.50	355.62	12,229.5	-134.4	-304.7	-118.7	12.00	11.96	2.06
12,275.0	33.49	356.05	12,250.7	-121.2	-305.7	-105.4	12.00	11.97	1.72
12,300.0	36.48	356.42	12,271.2	-106.9	-306.6	-91.1	12.00	11.97	1.47
12,325.0	39.48	356.74	12,290.9	-91.5	-307.5	-75.7	12.00	11.97	1.28
12,350.0	42.47	357.02	12,309.7	-75.2	-308.4	-59.3	12.00	11.98	1.12
12,375.0	45.47	357.27	12,327.7	-57.8	-309.3	-42.0	12.00	11.98	1.00
12,400.0	48.46	357.49	12,344.8	-39.6	-310.1	-23.7	12.00	11.98	0.90
12,425.0	51.46	357.70	12,360.9	-20.5	-310.9	-4.6	12.00	11.98	0.82
12,450.0	54.45	357.89	12,375.9	-0.5	-311.7	15.4	12.00	11.98	0.76
12,475.0	57.45	358.07	12,389.9	20.2	-312.4	36.1	12.00	11.99	0.70
12,500.0	60.45	358.23	12,402.8	41.6	-313.1	57.5	12.00	11.99	0.66
12,525.0	63.44	358.39	12,414.6	63.6	-313.8	79.6	12.00	11.99	0.62
12,550.0	66.44	358.53	12,425.2	86.3	-314.4	102.2	12.00	11.99	0.59
12,555.5	67.10	358.57	12,427.3	91.3	-314.5	107.2	12.00	11.99	0.57
FTP (CG 35 Fed Com 703H)									
12,575.0	69.44	358.67	12,434.6	109.4	-314.9	125.4	12.00	11.99	0.56
12,600.0	72.44	358.81	12,442.7	133.0	-315.4	149.0	12.00	11.99	0.54
12,625.0	75.43	358.94	12,449.6	157.1	-315.9	173.0	12.00	11.99	0.52
12,650.0	78.43	359.07	12,455.3	181.4	-316.3	197.3	12.00	11.99	0.51
12,675.0	81.43	359.19	12,459.7	206.0	-316.7	221.9	12.00	11.99	0.50
12,700.0	84.43	359.31	12,462.7	230.8	-317.0	246.7	12.00	11.99	0.49
12,725.0	87.42	359.44	12,464.5	255.7	-317.3	271.6	12.00	11.99	0.49
12,746.5	90.00	359.54	12,465.0	277.2	-317.5	293.1	12.00	11.99	0.48
12,800.0	90.00	359.54	12,465.0	330.7	-317.9	346.5	0.00	0.00	0.00
12,900.0	90.00	359.54	12,465.0	430.7	-318.7	446.5	0.00	0.00	0.00
13,000.0	90.00	359.54	12,465.0	530.7	-319.5	546.4	0.00	0.00	0.00
13,100.0	90.00	359.54	12,465.0	630.7	-320.3	646.3	0.00	0.00	0.00
13,200.0	90.00	359.54	12,465.0	730.7	-321.1	746.2	0.00	0.00	0.00
13,300.0	90.00	359.54	12,465.0	830.7	-321.9	846.1	0.00	0.00	0.00

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Colgrove 35 Fed Com
Well: #703H
Wellbore: OH
Design: Plan #.01

Local Co-ordinate Reference: Well #703H
TVD Reference: KB = 25' @ 3345.0usft
MD Reference: KB = 25' @ 3345.0usft
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)
13,400.0	90.00	359.54	12,465.0	930.7	-322.8	946.0	0.00	0.00	0.00
13,500.0	90.00	359.54	12,465.0	1,030.7	-323.6	1,045.9	0.00	0.00	0.00
13,600.0	90.00	359.54	12,465.0	1,130.7	-324.4	1,145.8	0.00	0.00	0.00
13,700.0	90.00	359.54	12,465.0	1,230.7	-325.2	1,245.7	0.00	0.00	0.00
13,800.0	90.00	359.54	12,465.0	1,330.7	-326.0	1,345.6	0.00	0.00	0.00
13,900.0	90.00	359.54	12,465.0	1,430.7	-326.8	1,445.5	0.00	0.00	0.00
14,000.0	90.00	359.54	12,465.0	1,530.7	-327.6	1,545.4	0.00	0.00	0.00
14,100.0	90.00	359.54	12,465.0	1,630.7	-328.4	1,645.3	0.00	0.00	0.00
14,200.0	90.00	359.54	12,465.0	1,730.7	-329.2	1,745.2	0.00	0.00	0.00
14,300.0	90.00	359.54	12,465.0	1,830.7	-330.0	1,845.2	0.00	0.00	0.00
14,400.0	90.00	359.54	12,465.0	1,930.7	-330.8	1,945.1	0.00	0.00	0.00
14,500.0	90.00	359.54	12,465.0	2,030.7	-331.6	2,045.0	0.00	0.00	0.00
14,600.0	90.00	359.54	12,465.0	2,130.7	-332.4	2,144.9	0.00	0.00	0.00
14,700.0	90.00	359.54	12,465.0	2,230.7	-333.2	2,244.8	0.00	0.00	0.00
14,800.0	90.00	359.54	12,465.0	2,330.7	-334.0	2,344.7	0.00	0.00	0.00
14,900.0	90.00	359.54	12,465.0	2,430.7	-334.8	2,444.6	0.00	0.00	0.00
15,000.0	90.00	359.54	12,465.0	2,530.7	-335.6	2,544.5	0.00	0.00	0.00
15,100.0	90.00	359.54	12,465.0	2,630.7	-336.4	2,644.4	0.00	0.00	0.00
15,200.0	90.00	359.54	12,465.0	2,730.7	-337.2	2,744.3	0.00	0.00	0.00
15,300.0	90.00	359.54	12,465.0	2,830.7	-338.0	2,844.2	0.00	0.00	0.00
15,400.0	90.00	359.54	12,465.0	2,930.7	-338.8	2,944.1	0.00	0.00	0.00
15,500.0	90.00	359.54	12,465.0	3,030.7	-339.6	3,044.0	0.00	0.00	0.00
15,600.0	90.00	359.54	12,465.0	3,130.6	-340.4	3,143.9	0.00	0.00	0.00
15,700.0	90.00	359.54	12,465.0	3,230.6	-341.2	3,243.9	0.00	0.00	0.00
15,800.0	90.00	359.54	12,465.0	3,330.6	-342.0	3,343.8	0.00	0.00	0.00
15,900.0	90.00	359.54	12,465.0	3,430.6	-342.8	3,443.7	0.00	0.00	0.00
16,000.0	90.00	359.54	12,465.0	3,530.6	-343.6	3,543.6	0.00	0.00	0.00
16,100.0	90.00	359.54	12,465.0	3,630.6	-344.4	3,643.5	0.00	0.00	0.00
16,200.0	90.00	359.54	12,465.0	3,730.6	-345.2	3,743.4	0.00	0.00	0.00
16,300.0	90.00	359.54	12,465.0	3,830.6	-346.0	3,843.3	0.00	0.00	0.00
16,400.0	90.00	359.54	12,465.0	3,930.6	-346.8	3,943.2	0.00	0.00	0.00
16,500.0	90.00	359.54	12,465.0	4,030.6	-347.6	4,043.1	0.00	0.00	0.00
16,600.0	90.00	359.54	12,465.0	4,130.6	-348.4	4,143.0	0.00	0.00	0.00
16,700.0	90.00	359.54	12,465.0	4,230.6	-349.2	4,242.9	0.00	0.00	0.00
16,800.0	90.00	359.54	12,465.0	4,330.6	-350.0	4,342.8	0.00	0.00	0.00
16,900.0	90.00	359.54	12,465.0	4,430.6	-350.9	4,442.7	0.00	0.00	0.00
17,000.0	90.00	359.54	12,465.0	4,530.6	-351.7	4,542.6	0.00	0.00	0.00
17,100.0	90.00	359.54	12,465.0	4,630.6	-352.5	4,642.6	0.00	0.00	0.00
17,200.0	90.00	359.54	12,465.0	4,730.6	-353.3	4,742.5	0.00	0.00	0.00
17,300.0	90.00	359.54	12,465.0	4,830.6	-354.1	4,842.4	0.00	0.00	0.00
17,400.0	90.00	359.54	12,465.0	4,930.6	-354.9	4,942.3	0.00	0.00	0.00
17,500.0	90.00	359.54	12,465.0	5,030.6	-355.7	5,042.2	0.00	0.00	0.00
17,600.0	90.00	359.54	12,465.0	5,130.6	-356.5	5,142.1	0.00	0.00	0.00
17,700.0	90.00	359.54	12,465.0	5,230.6	-357.3	5,242.0	0.00	0.00	0.00
17,800.0	90.00	359.54	12,465.0	5,330.6	-358.1	5,341.9	0.00	0.00	0.00
17,900.0	90.00	359.54	12,465.0	5,430.6	-358.9	5,441.8	0.00	0.00	0.00
18,000.0	90.00	359.54	12,465.0	5,530.6	-359.7	5,541.7	0.00	0.00	0.00
18,100.0	90.00	359.54	12,465.0	5,630.6	-360.5	5,641.6	0.00	0.00	0.00
18,200.0	90.00	359.54	12,465.0	5,730.6	-361.3	5,741.5	0.00	0.00	0.00
18,300.0	90.00	359.54	12,465.0	5,830.6	-362.1	5,841.4	0.00	0.00	0.00
18,400.0	90.00	359.54	12,465.0	5,930.6	-362.9	5,941.4	0.00	0.00	0.00
18,500.0	90.00	359.54	12,465.0	6,030.6	-363.7	6,041.3	0.00	0.00	0.00
18,600.0	90.00	359.54	12,465.0	6,130.6	-364.5	6,141.2	0.00	0.00	0.00
18,700.0	90.00	359.54	12,465.0	6,230.5	-365.3	6,241.1	0.00	0.00	0.00

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Colgrove 35 Fed Com
Well: #703H
Wellbore: OH
Design: Plan #.01

Local Co-ordinate Reference: Well #703H
TVD Reference: KB = 25' @ 3345.0usft
MD Reference: KB = 25' @ 3345.0usft
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	359.54	12,465.0	6,330.5	-366.1	6,341.0	0.00	0.00	0.00
18,900.0	90.00	359.54	12,465.0	6,430.5	-366.9	6,440.9	0.00	0.00	0.00
19,000.0	90.00	359.54	12,465.0	6,530.5	-367.7	6,540.8	0.00	0.00	0.00
19,100.0	90.00	359.54	12,465.0	6,630.5	-368.5	6,640.7	0.00	0.00	0.00
19,200.0	90.00	359.54	12,465.0	6,730.5	-369.3	6,740.6	0.00	0.00	0.00
19,300.0	90.00	359.54	12,465.0	6,830.5	-370.1	6,840.5	0.00	0.00	0.00
19,400.0	90.00	359.54	12,465.0	6,930.5	-370.9	6,940.4	0.00	0.00	0.00
19,500.0	90.00	359.54	12,465.0	7,030.5	-371.7	7,040.3	0.00	0.00	0.00
19,600.0	90.00	359.54	12,465.0	7,130.5	-372.5	7,140.2	0.00	0.00	0.00
19,700.0	90.00	359.54	12,465.0	7,230.5	-373.3	7,240.1	0.00	0.00	0.00
19,783.5	90.00	359.54	12,465.0	7,314.0	-374.0	7,323.6	0.00	0.00	0.00

PBHL (CG 35 Fed 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
FTP (CG 35 Fed Com 703H) - plan misses target center by 40.7usft at 12555.5usft MD (12427.3 TVD, 91.3 N, -314.5 E) - Point	0.00	0.00	12,465.0	76.0	-316.0	364,995.00	744,122.00	32° 0' 3.746 N	103° 32' 44.994 W
PBHL (CG 35 Fed Com 703H) - plan hits target center - Point	0.00	0.00	12,465.0	7,314.0	-374.0	372,233.00	744,064.00	32° 1' 15.376 N	103° 32' 45.055 W