



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Colgrove 35 Fed Com

#705H

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: #705H
Wellbore: OH
Design: Plan #.01

Local Co-ordinate Reference: Well #705H
TVD Reference: KB = 25' @ 3351.0usft
MD Reference: KB = 25' @ 3351.0usft
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:
From: Map
Position Uncertainty: 0.0 usft
Northing: 365,015.00 usft
Easting: 742,682.00 usft
Slot Radius: 13-3/16 "
Latitude: 32° 0' 4.048 N
Longitude: 103° 33' 1.713 W
Grid Convergence: 0.41 °

Well #705H
Well Position
+N/-S -36.0 usft
+E/-W 3,074.0 usft
Position Uncertainty 0.0 usft
Wellhead Elevation: 0.0 usft
Latitude: 32° 0' 3.470 N
Longitude: 103° 32' 26.021 W
Ground Level: 3,326.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/13/2016	7.02	59.87	47,905

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	357.08

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	
4,798.4	2.98	228.53	4,798.2	-5.1	-5.8	1.00	1.00	0.00	228.53	
11,981.5	2.98	228.53	11,971.6	-252.7	-286.0	0.00	0.00	0.00	0.00	
12,747.8	90.00	359.50	12,465.0	224.3	-309.6	12.00	11.36	17.09	130.93	
19,787.8	90.00	359.50	12,465.0	7,264.0	-371.0	0.00	0.00	0.00	0.00	PBHL (CG 35 Fed Co)

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 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	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	228.53	4,600.0	-0.6	-0.7	-0.5	1.00	1.00	0.00
4,700.0	2.00	228.53	4,700.0	-2.3	-2.6	-2.2	1.00	1.00	0.00
4,798.4	2.98	228.53	4,798.2	-5.1	-5.8	-4.8	1.00	1.00	0.00
4,800.0	2.98	228.53	4,799.9	-5.2	-5.9	-4.9	0.00	0.00	0.00
4,900.0	2.98	228.53	4,899.7	-8.6	-9.8	-8.1	0.00	0.00	0.00
5,000.0	2.98	228.53	4,999.6	-12.1	-13.7	-11.4	0.00	0.00	0.00
5,100.0	2.98	228.53	5,099.5	-15.5	-17.6	-14.6	0.00	0.00	0.00
5,200.0	2.98	228.53	5,199.3	-19.0	-21.5	-17.9	0.00	0.00	0.00

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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	2.98	228.53	5,299.2	-22.4	-25.4	-21.1	0.00	0.00	0.00
5,400.0	2.98	228.53	5,399.0	-25.9	-29.3	-24.4	0.00	0.00	0.00
5,500.0	2.98	228.53	5,498.9	-29.3	-33.2	-27.6	0.00	0.00	0.00
5,600.0	2.98	228.53	5,598.8	-32.8	-37.1	-30.8	0.00	0.00	0.00
5,700.0	2.98	228.53	5,698.6	-36.2	-41.0	-34.1	0.00	0.00	0.00
5,800.0	2.98	228.53	5,798.5	-39.7	-44.9	-37.3	0.00	0.00	0.00
5,900.0	2.98	228.53	5,898.4	-43.1	-48.8	-40.6	0.00	0.00	0.00
6,000.0	2.98	228.53	5,998.2	-46.6	-52.7	-43.8	0.00	0.00	0.00
6,100.0	2.98	228.53	6,098.1	-50.0	-56.6	-47.1	0.00	0.00	0.00
6,200.0	2.98	228.53	6,198.0	-53.5	-60.5	-50.3	0.00	0.00	0.00
6,300.0	2.98	228.53	6,297.8	-56.9	-64.4	-53.5	0.00	0.00	0.00
6,400.0	2.98	228.53	6,397.7	-60.3	-68.3	-56.8	0.00	0.00	0.00
6,500.0	2.98	228.53	6,497.6	-63.8	-72.2	-60.0	0.00	0.00	0.00
6,600.0	2.98	228.53	6,597.4	-67.2	-76.1	-63.3	0.00	0.00	0.00
6,700.0	2.98	228.53	6,697.3	-70.7	-80.0	-66.5	0.00	0.00	0.00
6,800.0	2.98	228.53	6,797.2	-74.1	-83.9	-69.8	0.00	0.00	0.00
6,900.0	2.98	228.53	6,897.0	-77.6	-87.8	-73.0	0.00	0.00	0.00
7,000.0	2.98	228.53	6,996.9	-81.0	-91.7	-76.2	0.00	0.00	0.00
7,100.0	2.98	228.53	7,096.7	-84.5	-95.6	-79.5	0.00	0.00	0.00
7,200.0	2.98	228.53	7,196.6	-87.9	-99.5	-82.7	0.00	0.00	0.00
7,300.0	2.98	228.53	7,296.5	-91.4	-103.4	-86.0	0.00	0.00	0.00
7,400.0	2.98	228.53	7,396.3	-94.8	-107.3	-89.2	0.00	0.00	0.00
7,500.0	2.98	228.53	7,496.2	-98.3	-111.2	-92.5	0.00	0.00	0.00
7,600.0	2.98	228.53	7,596.1	-101.7	-115.1	-95.7	0.00	0.00	0.00
7,700.0	2.98	228.53	7,695.9	-105.2	-119.0	-99.0	0.00	0.00	0.00
7,800.0	2.98	228.53	7,795.8	-108.6	-122.9	-102.2	0.00	0.00	0.00
7,900.0	2.98	228.53	7,895.7	-112.1	-126.8	-105.4	0.00	0.00	0.00
8,000.0	2.98	228.53	7,995.5	-115.5	-130.7	-108.7	0.00	0.00	0.00
8,100.0	2.98	228.53	8,095.4	-118.9	-134.6	-111.9	0.00	0.00	0.00
8,200.0	2.98	228.53	8,195.3	-122.4	-138.5	-115.2	0.00	0.00	0.00
8,300.0	2.98	228.53	8,295.1	-125.8	-142.4	-118.4	0.00	0.00	0.00
8,400.0	2.98	228.53	8,395.0	-129.3	-146.3	-121.7	0.00	0.00	0.00
8,500.0	2.98	228.53	8,494.8	-132.7	-150.2	-124.9	0.00	0.00	0.00
8,600.0	2.98	228.53	8,594.7	-136.2	-154.1	-128.1	0.00	0.00	0.00
8,700.0	2.98	228.53	8,694.6	-139.6	-158.0	-131.4	0.00	0.00	0.00
8,800.0	2.98	228.53	8,794.4	-143.1	-161.9	-134.6	0.00	0.00	0.00
8,900.0	2.98	228.53	8,894.3	-146.5	-165.8	-137.9	0.00	0.00	0.00
9,000.0	2.98	228.53	8,994.2	-150.0	-169.7	-141.1	0.00	0.00	0.00
9,100.0	2.98	228.53	9,094.0	-153.4	-173.6	-144.4	0.00	0.00	0.00
9,200.0	2.98	228.53	9,193.9	-156.9	-177.5	-147.6	0.00	0.00	0.00
9,300.0	2.98	228.53	9,293.8	-160.3	-181.4	-150.8	0.00	0.00	0.00
9,400.0	2.98	228.53	9,393.6	-163.8	-185.3	-154.1	0.00	0.00	0.00
9,500.0	2.98	228.53	9,493.5	-167.2	-189.2	-157.3	0.00	0.00	0.00
9,600.0	2.98	228.53	9,593.4	-170.6	-193.1	-160.6	0.00	0.00	0.00
9,700.0	2.98	228.53	9,693.2	-174.1	-197.0	-163.8	0.00	0.00	0.00
9,800.0	2.98	228.53	9,793.1	-177.5	-200.9	-167.1	0.00	0.00	0.00
9,900.0	2.98	228.53	9,892.9	-181.0	-204.8	-170.3	0.00	0.00	0.00
10,000.0	2.98	228.53	9,992.8	-184.4	-208.7	-173.5	0.00	0.00	0.00
10,100.0	2.98	228.53	10,092.7	-187.9	-212.6	-176.8	0.00	0.00	0.00
10,200.0	2.98	228.53	10,192.5	-191.3	-216.5	-180.0	0.00	0.00	0.00
10,300.0	2.98	228.53	10,292.4	-194.8	-220.4	-183.3	0.00	0.00	0.00
10,400.0	2.98	228.53	10,392.3	-198.2	-224.3	-186.5	0.00	0.00	0.00
10,500.0	2.98	228.53	10,492.1	-201.7	-228.2	-189.8	0.00	0.00	0.00
10,600.0	2.98	228.53	10,592.0	-205.1	-232.1	-193.0	0.00	0.00	0.00

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10,700.0	2.98	228.53	10,691.9	-208.6	-236.0	-196.3	0.00	0.00	0.00
10,800.0	2.98	228.53	10,791.7	-212.0	-239.9	-199.5	0.00	0.00	0.00
10,900.0	2.98	228.53	10,891.6	-215.5	-243.8	-202.7	0.00	0.00	0.00
11,000.0	2.98	228.53	10,991.5	-218.9	-247.7	-206.0	0.00	0.00	0.00
11,100.0	2.98	228.53	11,091.3	-222.3	-251.6	-209.2	0.00	0.00	0.00
11,200.0	2.98	228.53	11,191.2	-225.8	-255.5	-212.5	0.00	0.00	0.00
11,300.0	2.98	228.53	11,291.1	-229.2	-259.4	-215.7	0.00	0.00	0.00
11,400.0	2.98	228.53	11,390.9	-232.7	-263.3	-219.0	0.00	0.00	0.00
11,500.0	2.98	228.53	11,490.8	-236.1	-267.2	-222.2	0.00	0.00	0.00
11,600.0	2.98	228.53	11,590.6	-239.6	-271.1	-225.4	0.00	0.00	0.00
11,700.0	2.98	228.53	11,690.5	-243.0	-275.0	-228.7	0.00	0.00	0.00
11,800.0	2.98	228.53	11,790.4	-246.5	-278.9	-231.9	0.00	0.00	0.00
11,900.0	2.98	228.53	11,890.2	-249.9	-282.8	-235.2	0.00	0.00	0.00
11,981.5	2.98	228.53	11,971.6	-252.7	-286.0	-237.8	0.00	0.00	0.00
12,000.0	2.27	276.21	11,990.1	-253.0	-286.7	-238.1	12.00	-3.86	257.63
12,025.0	3.97	324.92	12,015.1	-252.2	-287.7	-237.2	12.00	6.79	194.85
12,050.0	6.66	339.79	12,040.0	-250.2	-288.7	-235.1	12.00	10.76	59.49
12,075.0	9.53	345.95	12,064.7	-246.8	-289.7	-231.7	12.00	11.51	24.62
12,100.0	12.47	349.25	12,089.3	-242.2	-290.7	-227.0	12.00	11.74	13.20
12,125.0	15.43	351.30	12,113.5	-236.2	-291.7	-221.0	12.00	11.84	8.22
12,150.0	18.40	352.71	12,137.4	-229.0	-292.7	-213.8	12.00	11.89	5.62
12,175.0	21.38	353.73	12,160.9	-220.6	-293.7	-205.3	12.00	11.92	4.10
12,200.0	24.36	354.51	12,184.0	-210.9	-294.7	-195.6	12.00	11.94	3.14
12,225.0	27.35	355.14	12,206.5	-200.0	-295.7	-184.7	12.00	11.95	2.49
12,250.0	30.34	355.64	12,228.4	-188.0	-296.7	-172.6	12.00	11.96	2.03
12,275.0	33.33	356.07	12,249.6	-174.9	-297.6	-159.5	12.00	11.97	1.70
12,300.0	36.33	356.43	12,270.1	-160.6	-298.5	-145.2	12.00	11.97	1.45
12,325.0	39.32	356.75	12,289.9	-145.3	-299.4	-129.9	12.00	11.98	1.26
12,350.0	42.31	357.02	12,308.8	-129.0	-300.3	-113.5	12.00	11.98	1.11
12,375.0	45.31	357.27	12,326.8	-111.7	-301.2	-96.2	12.00	11.98	0.99
12,400.0	48.30	357.49	12,343.9	-93.5	-302.0	-78.0	12.00	11.98	0.89
12,425.0	51.30	357.69	12,360.1	-74.4	-302.8	-58.9	12.00	11.98	0.81
12,450.0	54.30	357.88	12,375.2	-54.5	-303.6	-39.0	12.00	11.99	0.74
12,475.0	57.29	358.05	12,389.2	-33.9	-304.3	-18.3	12.00	11.99	0.69
12,500.0	60.29	358.21	12,402.2	-12.5	-305.0	3.1	12.00	11.99	0.65
12,525.0	63.29	358.37	12,414.0	9.5	-305.7	25.1	12.00	11.99	0.61
12,550.0	66.28	358.51	12,424.6	32.1	-306.3	47.7	12.00	11.99	0.58
12,559.7	67.44	358.56	12,428.4	41.0	-306.5	56.6	12.00	11.99	0.56
FTP (CG 35 Fed Com 705H)									
12,575.0	69.28	358.65	12,434.1	55.2	-306.9	70.8	12.00	11.99	0.55
12,600.0	72.28	358.78	12,442.3	78.8	-307.4	94.4	12.00	11.99	0.53
12,625.0	75.28	358.91	12,449.3	102.8	-307.9	118.4	12.00	11.99	0.51
12,650.0	78.27	359.03	12,455.0	127.2	-308.3	142.7	12.00	11.99	0.50
12,675.0	81.27	359.15	12,459.5	151.8	-308.7	167.3	12.00	11.99	0.49
12,700.0	84.27	359.27	12,462.6	176.6	-309.1	192.1	12.00	11.99	0.48
12,725.0	87.27	359.39	12,464.5	201.5	-309.3	217.0	12.00	11.99	0.47
12,747.8	90.00	359.50	12,465.0	224.3	-309.6	239.8	12.00	11.99	0.47
12,800.0	90.00	359.50	12,465.0	276.5	-310.0	291.9	0.00	0.00	0.00
12,900.0	90.00	359.50	12,465.0	376.5	-310.9	391.8	0.00	0.00	0.00
13,000.0	90.00	359.50	12,465.0	476.5	-311.8	491.7	0.00	0.00	0.00
13,100.0	90.00	359.50	12,465.0	576.5	-312.6	591.7	0.00	0.00	0.00
13,200.0	90.00	359.50	12,465.0	676.5	-313.5	691.6	0.00	0.00	0.00
13,300.0	90.00	359.50	12,465.0	776.5	-314.4	791.5	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: #705H
Wellbore: OH
Design: Plan #.01

Local Co-ordinate Reference: Well #705H
TVD Reference: KB = 25' @ 3351.0usft
MD Reference: KB = 25' @ 3351.0usft
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	359.50	12,465.0	876.5	-315.3	891.4	0.00	0.00	0.00
13,500.0	90.00	359.50	12,465.0	976.4	-316.1	991.3	0.00	0.00	0.00
13,600.0	90.00	359.50	12,465.0	1,076.4	-317.0	1,091.2	0.00	0.00	0.00
13,700.0	90.00	359.50	12,465.0	1,176.4	-317.9	1,191.1	0.00	0.00	0.00
13,800.0	90.00	359.50	12,465.0	1,276.4	-318.7	1,291.0	0.00	0.00	0.00
13,900.0	90.00	359.50	12,465.0	1,376.4	-319.6	1,390.9	0.00	0.00	0.00
14,000.0	90.00	359.50	12,465.0	1,476.4	-320.5	1,490.9	0.00	0.00	0.00
14,100.0	90.00	359.50	12,465.0	1,576.4	-321.4	1,590.8	0.00	0.00	0.00
14,200.0	90.00	359.50	12,465.0	1,676.4	-322.2	1,690.7	0.00	0.00	0.00
14,300.0	90.00	359.50	12,465.0	1,776.4	-323.1	1,790.6	0.00	0.00	0.00
14,400.0	90.00	359.50	12,465.0	1,876.4	-324.0	1,890.5	0.00	0.00	0.00
14,500.0	90.00	359.50	12,465.0	1,976.4	-324.9	1,990.4	0.00	0.00	0.00
14,600.0	90.00	359.50	12,465.0	2,076.4	-325.7	2,090.3	0.00	0.00	0.00
14,700.0	90.00	359.50	12,465.0	2,176.4	-326.6	2,190.2	0.00	0.00	0.00
14,800.0	90.00	359.50	12,465.0	2,276.4	-327.5	2,290.1	0.00	0.00	0.00
14,900.0	90.00	359.50	12,465.0	2,376.4	-328.3	2,390.0	0.00	0.00	0.00
15,000.0	90.00	359.50	12,465.0	2,476.4	-329.2	2,490.0	0.00	0.00	0.00
15,100.0	90.00	359.50	12,465.0	2,576.4	-330.1	2,589.9	0.00	0.00	0.00
15,200.0	90.00	359.50	12,465.0	2,676.4	-331.0	2,689.8	0.00	0.00	0.00
15,300.0	90.00	359.50	12,465.0	2,776.4	-331.8	2,789.7	0.00	0.00	0.00
15,400.0	90.00	359.50	12,465.0	2,876.4	-332.7	2,889.6	0.00	0.00	0.00
15,500.0	90.00	359.50	12,465.0	2,976.4	-333.6	2,989.5	0.00	0.00	0.00
15,600.0	90.00	359.50	12,465.0	3,076.4	-334.5	3,089.4	0.00	0.00	0.00
15,700.0	90.00	359.50	12,465.0	3,176.4	-335.3	3,189.3	0.00	0.00	0.00
15,800.0	90.00	359.50	12,465.0	3,276.4	-336.2	3,289.2	0.00	0.00	0.00
15,900.0	90.00	359.50	12,465.0	3,376.4	-337.1	3,389.2	0.00	0.00	0.00
16,000.0	90.00	359.50	12,465.0	3,476.4	-337.9	3,489.1	0.00	0.00	0.00
16,100.0	90.00	359.50	12,465.0	3,576.3	-338.8	3,589.0	0.00	0.00	0.00
16,200.0	90.00	359.50	12,465.0	3,676.3	-339.7	3,688.9	0.00	0.00	0.00
16,300.0	90.00	359.50	12,465.0	3,776.3	-340.6	3,788.8	0.00	0.00	0.00
16,400.0	90.00	359.50	12,465.0	3,876.3	-341.4	3,888.7	0.00	0.00	0.00
16,500.0	90.00	359.50	12,465.0	3,976.3	-342.3	3,988.6	0.00	0.00	0.00
16,600.0	90.00	359.50	12,465.0	4,076.3	-343.2	4,088.5	0.00	0.00	0.00
16,700.0	90.00	359.50	12,465.0	4,176.3	-344.1	4,188.4	0.00	0.00	0.00
16,800.0	90.00	359.50	12,465.0	4,276.3	-344.9	4,288.3	0.00	0.00	0.00
16,900.0	90.00	359.50	12,465.0	4,376.3	-345.8	4,388.3	0.00	0.00	0.00
17,000.0	90.00	359.50	12,465.0	4,476.3	-346.7	4,488.2	0.00	0.00	0.00
17,100.0	90.00	359.50	12,465.0	4,576.3	-347.5	4,588.1	0.00	0.00	0.00
17,200.0	90.00	359.50	12,465.0	4,676.3	-348.4	4,688.0	0.00	0.00	0.00
17,300.0	90.00	359.50	12,465.0	4,776.3	-349.3	4,787.9	0.00	0.00	0.00
17,400.0	90.00	359.50	12,465.0	4,876.3	-350.2	4,887.8	0.00	0.00	0.00
17,500.0	90.00	359.50	12,465.0	4,976.3	-351.0	4,987.7	0.00	0.00	0.00
17,600.0	90.00	359.50	12,465.0	5,076.3	-351.9	5,087.6	0.00	0.00	0.00
17,700.0	90.00	359.50	12,465.0	5,176.3	-352.8	5,187.5	0.00	0.00	0.00
17,800.0	90.00	359.50	12,465.0	5,276.3	-353.7	5,287.5	0.00	0.00	0.00
17,900.0	90.00	359.50	12,465.0	5,376.3	-354.5	5,387.4	0.00	0.00	0.00
18,000.0	90.00	359.50	12,465.0	5,476.3	-355.4	5,487.3	0.00	0.00	0.00
18,100.0	90.00	359.50	12,465.0	5,576.3	-356.3	5,587.2	0.00	0.00	0.00
18,200.0	90.00	359.50	12,465.0	5,676.3	-357.1	5,687.1	0.00	0.00	0.00
18,300.0	90.00	359.50	12,465.0	5,776.3	-358.0	5,787.0	0.00	0.00	0.00
18,400.0	90.00	359.50	12,465.0	5,876.3	-358.9	5,886.9	0.00	0.00	0.00
18,500.0	90.00	359.50	12,465.0	5,976.3	-359.8	5,986.8	0.00	0.00	0.00
18,600.0	90.00	359.50	12,465.0	6,076.3	-360.6	6,086.7	0.00	0.00	0.00
18,700.0	90.00	359.50	12,465.0	6,176.2	-361.5	6,186.6	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: #705H
Wellbore: OH
Design: Plan #.01

Local Co-ordinate Reference: Well #705H
TVD Reference: KB = 25' @ 3351.0usft
MD Reference: KB = 25' @ 3351.0usft
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	359.50	12,465.0	6,276.2	-362.4	6,286.6	0.00	0.00	0.00
18,900.0	90.00	359.50	12,465.0	6,376.2	-363.3	6,386.5	0.00	0.00	0.00
19,000.0	90.00	359.50	12,465.0	6,476.2	-364.1	6,486.4	0.00	0.00	0.00
19,100.0	90.00	359.50	12,465.0	6,576.2	-365.0	6,586.3	0.00	0.00	0.00
19,200.0	90.00	359.50	12,465.0	6,676.2	-365.9	6,686.2	0.00	0.00	0.00
19,300.0	90.00	359.50	12,465.0	6,776.2	-366.7	6,786.1	0.00	0.00	0.00
19,400.0	90.00	359.50	12,465.0	6,876.2	-367.6	6,886.0	0.00	0.00	0.00
19,500.0	90.00	359.50	12,465.0	6,976.2	-368.5	6,985.9	0.00	0.00	0.00
19,600.0	90.00	359.50	12,465.0	7,076.2	-369.4	7,085.8	0.00	0.00	0.00
19,700.0	90.00	359.50	12,465.0	7,176.2	-370.2	7,185.8	0.00	0.00	0.00
19,787.8	90.00	359.50	12,465.0	7,264.0	-371.0	7,273.5	0.00	0.00	0.00

PBHL (CG 35 Fed Com 705H)

Design Targets
Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- Shape									
FTP (CG 35 Fed Com 705H)	0.00	0.00	12,465.0	26.0	-309.0	365,005.00	745,447.00	32° 0' 3.749 N	103° 32' 29.607 W
- plan misses target center by 39.6usft at 12559.7usft MD (12428.4 TVD, 41.0 N, -306.5 E)									
- Point									
PBHL (CG 35 Fed Com 705H)	0.00	0.00	12,465.0	7,264.0	-371.0	372,243.00	745,385.00	32° 1' 15.380 N	103° 32' 29.711 W
- plan hits target center									
- Point									