



Lea County, NM (NAD 83 NME)

Gem 36 State Com #706H

Plan #0.1

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #706H

KB = 25 @ 3394.0usft 3389.0
Northing 393886.00 Easting 759177.00 Latitude 32° 4' 51.312 N Longitude 103° 37' 47.955 W

SECTION DETAILS

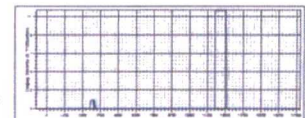
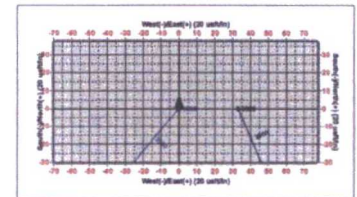
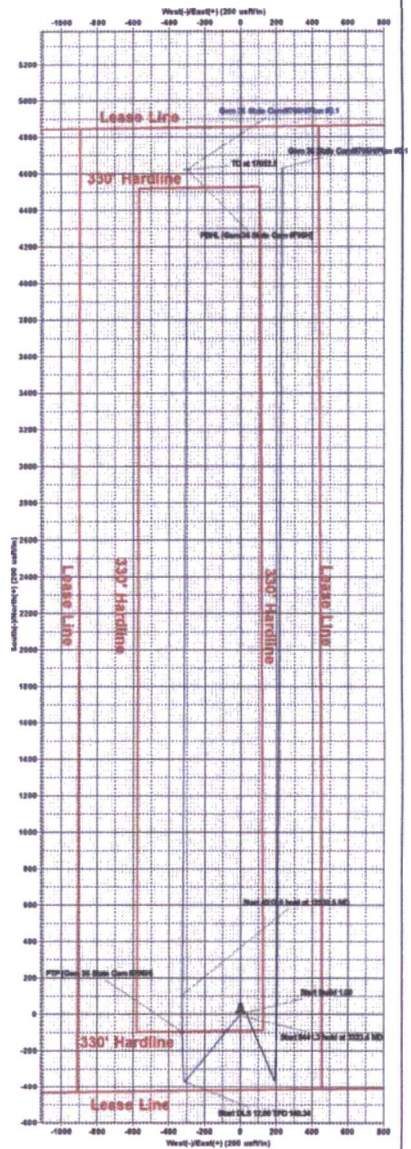
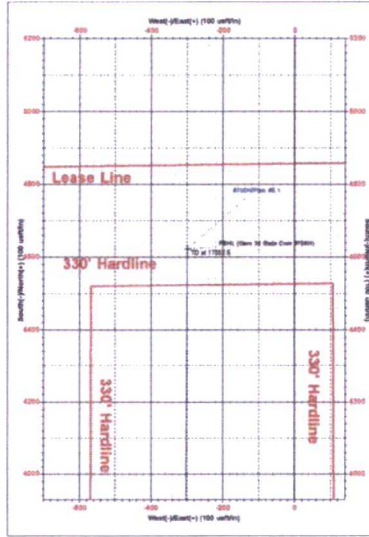
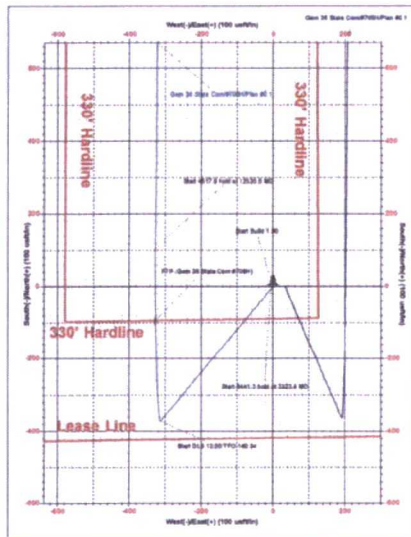
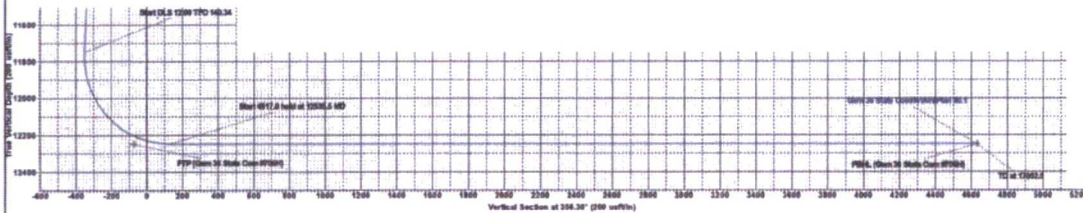
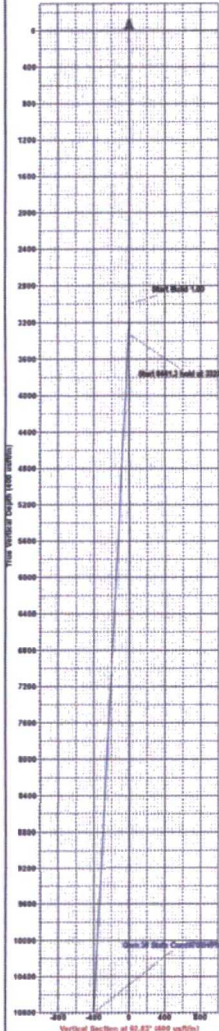
Sec	MD	Inc	Az	TVD	+N/-S	+E/-W	Dog	TFace	V/Sect	Target	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0		
3	3323.4	3.23	219.97	3323.5	-7.0	-6.9	1.00	219.97	-6.8		
4	11764.7	3.23	219.97	11761.1	-372.0	-311.8	0.00	0.00	-351.1		
5	12935.5	90.00	0.35	12248.0	196.1	-326.8	12.00	140.34	126.0		
6	17662.5	90.00	0.35	12248.0	4622.0	-399.0	0.00	0.00	4631.7		PBH (Gem 36 State Com #706H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
PBH (Gem 36 State Com #706H)	12248.0	4622.0	-299.0	393886.00	759177.00
FTP (Gem 36 State Com #706H)	12248.0	-98.0	-325.0	393781.00	758948.90





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Gem 36 State Com

#706H

OH

Plan: Plan #0.1

Standard Planning Report

06 February, 2018



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #706H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3394.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3394.0usft
Site:	Gem 36 State Corn	North Reference:	Grid
Well:	#706H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Project	Lea County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Gem 36 State Corn			
Site Position:		Northing:	393,686.00 usft	Latitude:	32° 4' 49.331 N
From:	Map	Easting:	759,213.00 usft	Longitude:	103° 37' 47.552 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.37

Well	#706H					
Well Position	+N/-S	200.0 usft	Northing:	393,886.00 usft	Latitude:	32° 4' 51.312 N
	+E/-W	-36.0 usft	Easting:	759,177.00 usft	Longitude:	103° 37' 47.955 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,369.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2/5/2018	6.90	59.91	47,781.75680426

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	356.30

Plan Survey Tool Program	Date 2/6/2018			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	17,052.5 Plan #0.1 (OH)	MWD	
			MWD - Standard	

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	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,323.4	3.23	219.97	3,323.3	-7.0	-5.9	1.00	1.00	0.00	219.97	
11,764.7	3.23	219.97	11,751.1	-372.0	-311.8	0.00	0.00	0.00	0.00	
12,535.5	90.00	0.35	12,249.0	105.1	-326.8	12.00	11.26	18.21	140.34	
17,052.5	90.00	0.35	12,249.0	4,622.0	-299.0	0.00	0.00	0.00	0.00	PBHL (Gem 36 State



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Gem 36 State Corn
Well: #706H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #706H
TVD Reference: KB = 25 @ 3394.0usft
MD Reference: KB = 25 @ 3394.0usft
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	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	1.00	219.97	3,100.0	-0.7	-0.6	-0.6	1.00	1.00	0.00
3,200.0	2.00	219.97	3,200.0	-2.7	-2.2	-2.5	1.00	1.00	0.00
3,300.0	3.00	219.97	3,299.9	-6.0	-5.0	-5.7	1.00	1.00	0.00
3,323.4	3.23	219.97	3,323.3	-7.0	-5.9	-6.6	1.00	1.00	0.00
3,400.0	3.23	219.97	3,399.7	-10.3	-8.6	-9.7	0.00	0.00	0.00
3,500.0	3.23	219.97	3,499.5	-14.6	-12.3	-13.8	0.00	0.00	0.00
3,600.0	3.23	219.97	3,599.4	-19.0	-15.9	-17.9	0.00	0.00	0.00
3,700.0	3.23	219.97	3,699.2	-23.3	-19.5	-22.0	0.00	0.00	0.00
3,800.0	3.23	219.97	3,799.1	-27.6	-23.1	-26.1	0.00	0.00	0.00
3,900.0	3.23	219.97	3,898.9	-31.9	-26.8	-30.1	0.00	0.00	0.00
4,000.0	3.23	219.97	3,998.8	-36.3	-30.4	-34.2	0.00	0.00	0.00
4,100.0	3.23	219.97	4,098.6	-40.6	-34.0	-38.3	0.00	0.00	0.00
4,200.0	3.23	219.97	4,198.4	-44.9	-37.6	-42.4	0.00	0.00	0.00
4,300.0	3.23	219.97	4,298.3	-49.2	-41.3	-46.5	0.00	0.00	0.00
4,400.0	3.23	219.97	4,398.1	-53.5	-44.9	-50.5	0.00	0.00	0.00
4,500.0	3.23	219.97	4,498.0	-57.9	-48.5	-54.6	0.00	0.00	0.00
4,600.0	3.23	219.97	4,597.8	-62.2	-52.1	-58.7	0.00	0.00	0.00
4,700.0	3.23	219.97	4,697.6	-66.5	-55.7	-62.8	0.00	0.00	0.00
4,800.0	3.23	219.97	4,797.5	-70.8	-59.4	-66.9	0.00	0.00	0.00
4,900.0	3.23	219.97	4,897.3	-75.2	-63.0	-70.9	0.00	0.00	0.00
5,000.0	3.23	219.97	4,997.2	-79.5	-66.6	-75.0	0.00	0.00	0.00
5,100.0	3.23	219.97	5,097.0	-83.8	-70.2	-79.1	0.00	0.00	0.00
5,200.0	3.23	219.97	5,196.8	-88.1	-73.9	-83.2	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Gem 36 State Com
 Well: #706H
 Wellbore: OH
 Design: Plan #0.1

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

Well #706H
 KB = 25 @ 3394.0usft
 KB = 25 @ 3394.0usft
 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)
5,300.0	3.23	219.97	5,296.7	-92.5	-77.5	-87.3	0.00	0.00	0.00
5,400.0	3.23	219.97	5,396.5	-96.8	-81.1	-91.3	0.00	0.00	0.00
5,500.0	3.23	219.97	5,496.4	-101.1	-84.7	-95.4	0.00	0.00	0.00
5,600.0	3.23	219.97	5,596.2	-105.4	-88.4	-99.5	0.00	0.00	0.00
5,700.0	3.23	219.97	5,696.0	-109.8	-92.0	-103.6	0.00	0.00	0.00
5,800.0	3.23	219.97	5,795.9	-114.1	-95.6	-107.7	0.00	0.00	0.00
5,900.0	3.23	219.97	5,895.7	-118.4	-99.2	-111.8	0.00	0.00	0.00
6,000.0	3.23	219.97	5,995.6	-122.7	-102.9	-115.8	0.00	0.00	0.00
6,100.0	3.23	219.97	6,095.4	-127.1	-106.5	-119.9	0.00	0.00	0.00
6,200.0	3.23	219.97	6,195.2	-131.4	-110.1	-124.0	0.00	0.00	0.00
6,300.0	3.23	219.97	6,295.1	-135.7	-113.7	-128.1	0.00	0.00	0.00
6,400.0	3.23	219.97	6,394.9	-140.0	-117.4	-132.2	0.00	0.00	0.00
6,500.0	3.23	219.97	6,494.8	-144.4	-121.0	-136.2	0.00	0.00	0.00
6,600.0	3.23	219.97	6,594.6	-148.7	-124.6	-140.3	0.00	0.00	0.00
6,700.0	3.23	219.97	6,694.5	-153.0	-128.2	-144.4	0.00	0.00	0.00
6,800.0	3.23	219.97	6,794.3	-157.3	-131.8	-148.5	0.00	0.00	0.00
6,900.0	3.23	219.97	6,894.1	-161.6	-135.5	-152.6	0.00	0.00	0.00
7,000.0	3.23	219.97	6,994.0	-166.0	-139.1	-156.6	0.00	0.00	0.00
7,100.0	3.23	219.97	7,093.8	-170.3	-142.7	-160.7	0.00	0.00	0.00
7,200.0	3.23	219.97	7,193.7	-174.6	-146.3	-164.8	0.00	0.00	0.00
7,300.0	3.23	219.97	7,293.5	-178.9	-150.0	-168.9	0.00	0.00	0.00
7,400.0	3.23	219.97	7,393.3	-183.3	-153.6	-173.0	0.00	0.00	0.00
7,500.0	3.23	219.97	7,493.2	-187.6	-157.2	-177.1	0.00	0.00	0.00
7,600.0	3.23	219.97	7,593.0	-191.9	-160.8	-181.1	0.00	0.00	0.00
7,700.0	3.23	219.97	7,692.9	-196.2	-164.5	-185.2	0.00	0.00	0.00
7,800.0	3.23	219.97	7,792.7	-200.6	-168.1	-189.3	0.00	0.00	0.00
7,900.0	3.23	219.97	7,892.5	-204.9	-171.7	-193.4	0.00	0.00	0.00
8,000.0	3.23	219.97	7,992.4	-209.2	-175.3	-197.5	0.00	0.00	0.00
8,100.0	3.23	219.97	8,092.2	-213.5	-179.0	-201.5	0.00	0.00	0.00
8,200.0	3.23	219.97	8,192.1	-217.9	-182.6	-205.6	0.00	0.00	0.00
8,300.0	3.23	219.97	8,291.9	-222.2	-186.2	-209.7	0.00	0.00	0.00
8,400.0	3.23	219.97	8,391.7	-226.5	-189.8	-213.8	0.00	0.00	0.00
8,500.0	3.23	219.97	8,491.6	-230.8	-193.5	-217.9	0.00	0.00	0.00
8,600.0	3.23	219.97	8,591.4	-235.2	-197.1	-221.9	0.00	0.00	0.00
8,700.0	3.23	219.97	8,691.3	-239.5	-200.7	-226.0	0.00	0.00	0.00
8,800.0	3.23	219.97	8,791.1	-243.8	-204.3	-230.1	0.00	0.00	0.00
8,900.0	3.23	219.97	8,890.9	-248.1	-207.9	-234.2	0.00	0.00	0.00
9,000.0	3.23	219.97	8,990.8	-252.5	-211.6	-238.3	0.00	0.00	0.00
9,100.0	3.23	219.97	9,090.6	-256.8	-215.2	-242.4	0.00	0.00	0.00
9,200.0	3.23	219.97	9,190.5	-261.1	-218.8	-246.4	0.00	0.00	0.00
9,300.0	3.23	219.97	9,290.3	-265.4	-222.4	-250.5	0.00	0.00	0.00
9,400.0	3.23	219.97	9,390.1	-269.8	-226.1	-254.6	0.00	0.00	0.00
9,500.0	3.23	219.97	9,490.0	-274.1	-229.7	-258.7	0.00	0.00	0.00
9,600.0	3.23	219.97	9,589.8	-278.4	-233.3	-262.8	0.00	0.00	0.00
9,700.0	3.23	219.97	9,689.7	-282.7	-236.9	-266.8	0.00	0.00	0.00
9,800.0	3.23	219.97	9,789.5	-287.0	-240.6	-270.9	0.00	0.00	0.00
9,900.0	3.23	219.97	9,889.4	-291.4	-244.2	-275.0	0.00	0.00	0.00
10,000.0	3.23	219.97	9,989.2	-295.7	-247.8	-279.1	0.00	0.00	0.00
10,100.0	3.23	219.97	10,089.0	-300.0	-251.4	-283.2	0.00	0.00	0.00
10,200.0	3.23	219.97	10,188.9	-304.3	-255.1	-287.2	0.00	0.00	0.00
10,300.0	3.23	219.97	10,288.7	-308.7	-258.7	-291.3	0.00	0.00	0.00
10,400.0	3.23	219.97	10,388.6	-313.0	-262.3	-295.4	0.00	0.00	0.00
10,500.0	3.23	219.97	10,488.4	-317.3	-265.9	-299.5	0.00	0.00	0.00
10,600.0	3.23	219.97	10,588.2	-321.6	-269.6	-303.6	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Gem 36 State Com
Well: #706H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #706H
TVD Reference: KB = 25 @ 3394.0usft
MD Reference: KB = 25 @ 3394.0usft
North Reference: Grid
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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)
10,700.0	3.23	219.97	10,688.1	-326.0	-273.2	-307.7	0.00	0.00	0.00
10,800.0	3.23	219.97	10,787.9	-330.3	-276.8	-311.7	0.00	0.00	0.00
10,900.0	3.23	219.97	10,887.8	-334.6	-280.4	-315.8	0.00	0.00	0.00
11,000.0	3.23	219.97	10,987.6	-338.9	-284.1	-319.9	0.00	0.00	0.00
11,100.0	3.23	219.97	11,087.4	-343.3	-287.7	-324.0	0.00	0.00	0.00
11,200.0	3.23	219.97	11,187.3	-347.6	-291.3	-328.1	0.00	0.00	0.00
11,300.0	3.23	219.97	11,287.1	-351.9	-294.9	-332.1	0.00	0.00	0.00
11,400.0	3.23	219.97	11,387.0	-356.2	-298.5	-336.2	0.00	0.00	0.00
11,500.0	3.23	219.97	11,486.8	-360.6	-302.2	-340.3	0.00	0.00	0.00
11,600.0	3.23	219.97	11,586.6	-364.9	-305.8	-344.4	0.00	0.00	0.00
11,700.0	3.23	219.97	11,686.5	-369.2	-309.4	-348.5	0.00	0.00	0.00
11,764.7	3.23	219.97	11,751.1	-372.0	-311.8	-351.1	0.00	0.00	0.00
11,775.0	2.42	238.98	11,761.4	-372.3	-312.1	-351.4	12.00	-7.96	185.00
11,800.0	2.70	310.54	11,786.4	-372.2	-313.0	-351.2	12.00	1.14	286.26
11,825.0	5.17	336.89	11,811.3	-370.8	-313.9	-349.8	12.00	9.88	105.39
11,850.0	8.01	345.52	11,836.1	-368.1	-314.8	-347.0	12.00	11.36	34.52
11,875.0	10.94	349.61	11,860.8	-364.1	-315.7	-342.9	12.00	11.70	16.35
11,900.0	13.89	351.98	11,885.2	-358.8	-316.5	-337.6	12.00	11.83	9.48
11,925.0	16.87	353.53	11,909.3	-352.2	-317.3	-331.0	12.00	11.89	6.20
11,950.0	19.85	354.62	11,933.0	-344.4	-318.1	-323.1	12.00	11.92	4.39
11,975.0	22.83	355.44	11,956.3	-335.3	-318.9	-314.0	12.00	11.94	3.28
12,000.0	25.82	356.08	11,979.1	-325.0	-319.7	-303.7	12.00	11.95	2.56
12,025.0	28.81	356.60	12,001.3	-313.6	-320.4	-292.2	12.00	11.96	2.06
12,050.0	31.80	357.02	12,022.9	-301.0	-321.1	-279.6	12.00	11.97	1.70
12,075.0	34.80	357.38	12,043.8	-287.3	-321.8	-265.9	12.00	11.97	1.44
12,100.0	37.79	357.69	12,063.9	-272.5	-322.4	-251.1	12.00	11.98	1.24
12,125.0	40.79	357.96	12,083.3	-256.7	-323.0	-235.3	12.00	11.98	1.08
12,150.0	43.78	358.20	12,101.8	-239.9	-323.6	-218.5	12.00	11.98	0.96
12,175.0	46.78	358.41	12,119.3	-222.1	-324.1	-200.7	12.00	11.98	0.86
12,200.0	49.77	358.61	12,136.0	-203.5	-324.6	-182.1	12.00	11.99	0.78
12,225.0	52.77	358.78	12,151.6	-184.0	-325.0	-162.6	12.00	11.99	0.71
12,250.0	55.77	358.95	12,166.2	-163.7	-325.4	-142.3	12.00	11.99	0.66
12,275.0	58.76	359.10	12,179.7	-142.7	-325.8	-121.3	12.00	11.99	0.61
12,300.0	61.76	359.24	12,192.1	-120.9	-326.1	-99.6	12.00	11.99	0.57
12,325.0	64.76	359.38	12,203.4	-98.6	-326.4	-77.4	12.00	11.99	0.54
12,346.7	67.36	359.49	12,212.2	-78.8	-326.6	-57.5	12.00	11.99	0.52
FTP (Gem 36 State Com #706H)									
12,350.0	67.76	359.51	12,213.4	-75.7	-326.6	-54.5	12.00	11.99	0.51
12,375.0	70.76	359.63	12,222.3	-52.4	-326.8	-31.2	12.00	11.99	0.49
12,400.0	73.75	359.75	12,229.9	-28.6	-326.9	-7.4	12.00	11.99	0.48
12,425.0	76.75	359.87	12,236.3	-4.4	-327.0	16.7	12.00	11.99	0.46
12,450.0	79.75	359.98	12,241.4	20.1	-327.0	41.2	12.00	11.99	0.45
12,475.0	82.75	0.09	12,245.2	44.8	-327.0	65.8	12.00	11.99	0.44
12,500.0	85.74	0.20	12,247.7	69.7	-326.9	90.6	12.00	11.99	0.44
12,525.0	88.74	0.31	12,248.9	94.6	-326.8	115.5	12.00	11.99	0.43
12,535.5	90.00	0.35	12,249.0	105.1	-326.8	126.0	12.00	11.99	0.43
12,600.0	90.00	0.35	12,249.0	169.6	-326.4	190.3	0.00	0.00	0.00
12,700.0	90.00	0.35	12,249.0	269.6	-325.8	290.1	0.00	0.00	0.00
12,800.0	90.00	0.35	12,249.0	369.6	-325.1	389.8	0.00	0.00	0.00
12,900.0	90.00	0.35	12,249.0	469.6	-324.5	489.6	0.00	0.00	0.00
13,000.0	90.00	0.35	12,249.0	569.6	-323.9	589.3	0.00	0.00	0.00
13,100.0	90.00	0.35	12,249.0	669.6	-323.3	689.1	0.00	0.00	0.00
13,200.0	90.00	0.35	12,249.0	769.6	-322.7	788.8	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Gem 36 State Com
Well: #706H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #706H
TVD Reference: KB = 25 @ 3394.0usft
MD Reference: KB = 25 @ 3394.0usft
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)
13,300.0	90.00	0.35	12,249.0	869.6	-322.1	888.6	0.00	0.00	0.00
13,400.0	90.00	0.35	12,249.0	969.6	-321.5	988.3	0.00	0.00	0.00
13,500.0	90.00	0.35	12,249.0	1,069.6	-320.8	1,088.1	0.00	0.00	0.00
13,600.0	90.00	0.35	12,249.0	1,169.6	-320.2	1,187.8	0.00	0.00	0.00
13,700.0	90.00	0.35	12,249.0	1,269.6	-319.6	1,287.6	0.00	0.00	0.00
13,800.0	90.00	0.35	12,249.0	1,369.6	-319.0	1,387.3	0.00	0.00	0.00
13,900.0	90.00	0.35	12,249.0	1,469.6	-318.4	1,487.1	0.00	0.00	0.00
14,000.0	90.00	0.35	12,249.0	1,569.6	-317.8	1,586.8	0.00	0.00	0.00
14,100.0	90.00	0.35	12,249.0	1,669.6	-317.2	1,686.6	0.00	0.00	0.00
14,200.0	90.00	0.35	12,249.0	1,769.6	-316.5	1,786.3	0.00	0.00	0.00
14,300.0	90.00	0.35	12,249.0	1,869.6	-315.9	1,886.1	0.00	0.00	0.00
14,400.0	90.00	0.35	12,249.0	1,969.6	-315.3	1,985.8	0.00	0.00	0.00
14,500.0	90.00	0.35	12,249.0	2,069.6	-314.7	2,085.6	0.00	0.00	0.00
14,600.0	90.00	0.35	12,249.0	2,169.6	-314.1	2,185.3	0.00	0.00	0.00
14,700.0	90.00	0.35	12,249.0	2,269.6	-313.5	2,285.1	0.00	0.00	0.00
14,800.0	90.00	0.35	12,249.0	2,369.6	-312.8	2,384.8	0.00	0.00	0.00
14,900.0	90.00	0.35	12,249.0	2,469.6	-312.2	2,484.6	0.00	0.00	0.00
15,000.0	90.00	0.35	12,249.0	2,569.6	-311.6	2,584.3	0.00	0.00	0.00
15,100.0	90.00	0.35	12,249.0	2,669.6	-311.0	2,684.1	0.00	0.00	0.00
15,200.0	90.00	0.35	12,249.0	2,769.6	-310.4	2,783.8	0.00	0.00	0.00
15,300.0	90.00	0.35	12,249.0	2,869.6	-309.8	2,883.6	0.00	0.00	0.00
15,400.0	90.00	0.35	12,249.0	2,969.6	-309.2	2,983.3	0.00	0.00	0.00
15,500.0	90.00	0.35	12,249.0	3,069.6	-308.5	3,083.1	0.00	0.00	0.00
15,600.0	90.00	0.35	12,249.0	3,169.6	-307.9	3,182.8	0.00	0.00	0.00
15,700.0	90.00	0.35	12,249.0	3,269.6	-307.3	3,282.6	0.00	0.00	0.00
15,800.0	90.00	0.35	12,249.0	3,369.6	-306.7	3,382.3	0.00	0.00	0.00
15,900.0	90.00	0.35	12,249.0	3,469.6	-306.1	3,482.1	0.00	0.00	0.00
16,000.0	90.00	0.35	12,249.0	3,569.6	-305.5	3,581.8	0.00	0.00	0.00
16,100.0	90.00	0.35	12,249.0	3,669.6	-304.9	3,681.6	0.00	0.00	0.00
16,200.0	90.00	0.35	12,249.0	3,769.6	-304.2	3,781.3	0.00	0.00	0.00
16,300.0	90.00	0.35	12,249.0	3,869.6	-303.6	3,881.1	0.00	0.00	0.00
16,400.0	90.00	0.35	12,249.0	3,969.6	-303.0	3,980.8	0.00	0.00	0.00
16,500.0	90.00	0.35	12,249.0	4,069.6	-302.4	4,080.6	0.00	0.00	0.00
16,600.0	90.00	0.35	12,249.0	4,169.6	-301.8	4,180.3	0.00	0.00	0.00
16,700.0	90.00	0.35	12,249.0	4,269.5	-301.2	4,280.1	0.00	0.00	0.00
16,800.0	90.00	0.35	12,249.0	4,369.5	-300.6	4,379.8	0.00	0.00	0.00
16,900.0	90.00	0.35	12,249.0	4,469.5	-299.9	4,479.6	0.00	0.00	0.00
17,000.0	90.00	0.35	12,249.0	4,569.5	-299.3	4,579.3	0.00	0.00	0.00
17,052.5	90.00	0.35	12,249.0	4,622.0	-299.0	4,631.7	0.00	0.00	0.00

PBHL (Gem 36 State Com #706H)

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 (Gem 36 State Co - plan hits target center - Point	0.00	0.00	12,249.0	4,622.0	-299.0	398,508.00	758,878.00	32° 5' 37.069 N	103° 37' 51.080 W
FTP (Gem 36 State Cor - plan misses target center by 40.2usft at 12346.7usft MD (12212.2 TVD, -78.8 N, -326.6 E) - Point	0.00	0.00	12,249.0	-95.0	-328.0	393,791.00	758,849.00	32° 4' 50.393 N	103° 37' 51.775 W



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Gem 36 State Corn
Well: #706H
Wellbore: OH
Design: Plan #0.1

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

Well #706H
KB = 25 @ 3394.0usft
KB = 25 @ 3394.0usft
Grid
Minimum Curvature