



Lea County, NM (NAD 83 NME)

Convoy 28 State Com #706H

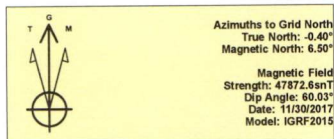
Plan #0.1

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 @ 3546.0usft 3521.0
Northing 435280.00 Easting 775540.00 Latitude 32° 11' 39.824 N Longitude 103° 34' 34.392 W



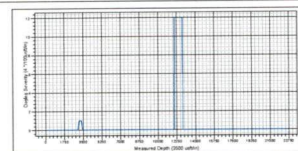
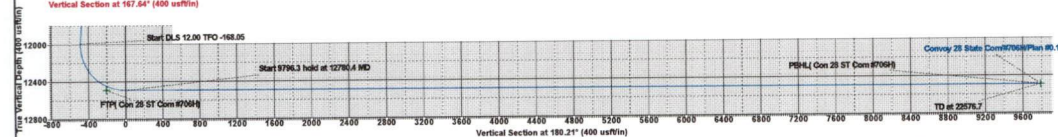
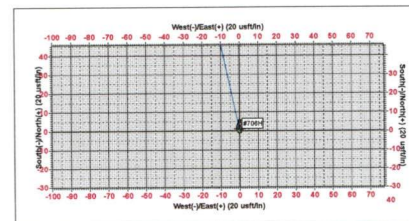
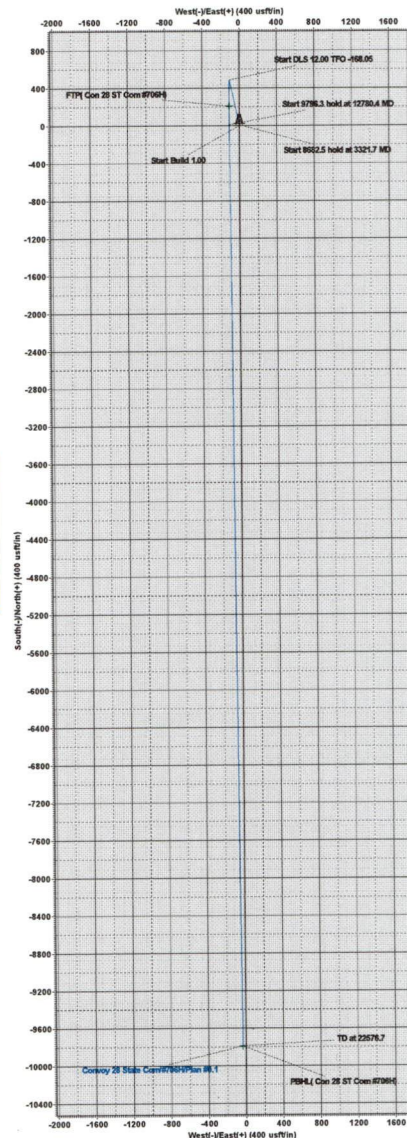
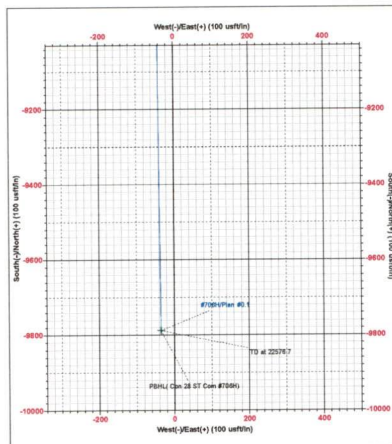
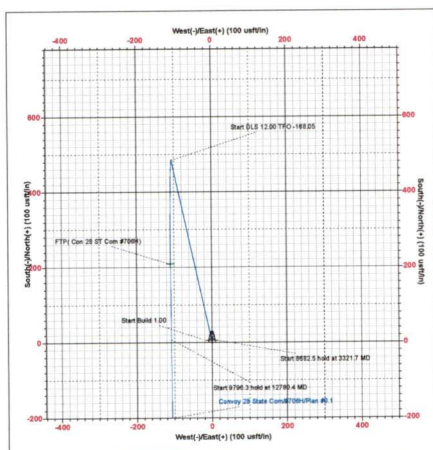
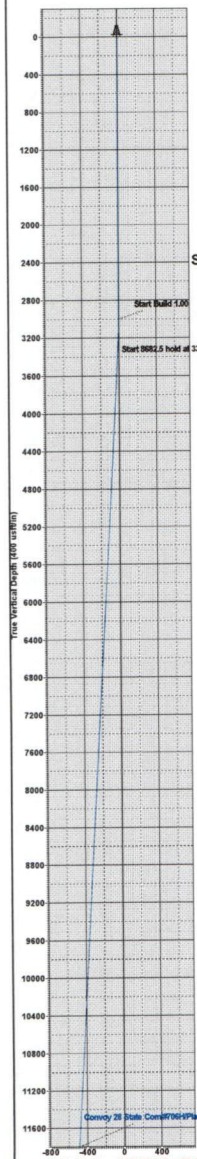
To convert a Magnetic Direction to a Grid Direction, Add 6.50°
To convert a Magnetic Direction to a True Direction, Add 6.90° East
To convert a True Direction to a Grid Direction, Subtract 0.40°

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
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	3321.7	3.22	347.64	3321.6	8.8	-1.9	1.00	347.64	-8.8	
4	12004.2	3.22	347.64	11990.4	484.8	-106.2	0.00	0.00	-484.4	
5	12780.4	90.00	179.58	12494.0	8.0	-108.5	12.00	-168.05	-7.6	
6	22576.7	90.00	179.58	12494.0	-9788.0	-36.0	0.00	0.00	9788.1	PBHL(Con 28 ST Com #706H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP(Con 28 ST Com #706H)	12484.0	208.0	-110.0	435488.00	775430.00
PBHL(Con 28 ST Com #706H)	12494.0	-9788.0	-36.0	425492.00	775504.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Convoy 28 State Com

#706H

OH

Plan: Plan #0.1

Standard Planning Report

06 December, 2017

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #706H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3546.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3546.0usft
Site:	Convoy 28 State Com	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	Convoy 28 State Com				
Site Position:		Northing:	435,221.00 usft	Latitude:	32° 11' 39.126 N
From:	Map	Easting:	777,172.00 usft	Longitude:	103° 34' 15.406 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.41 °

Well	#706H					
Well Position	+N/-S	59.0 usft	Northing:	435,280.00 usft	Latitude:	32° 11' 39.824 N
	+E/-W	-1,632.0 usft	Easting:	775,540.00 usft	Longitude:	103° 34' 34.392 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,521.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/30/2017	6.90	60.03	47,872.59024048

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	180.21	

Plan Survey Tool Program	Date	12/6/2017			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	22,576.7 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	
3,321.7	3.22	347.64	3,321.6	8.8	-1.9	1.00	1.00	0.00	347.64	
12,004.2	3.22	347.64	11,990.4	484.8	-106.2	0.00	0.00	0.00	0.00	
12,780.4	90.00	179.58	12,494.0	8.0	-108.5	12.00	11.18	-21.65	-168.05	
22,576.7	90.00	179.58	12,494.0	-9,788.0	-36.0	0.00	0.00	0.00	0.00	PBHL(Con 28 ST Co

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #706H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3546.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3546.0usft
Site:	Convoy 28 State Com	North Reference:	Grid
Well:	#706H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	347.64	3,100.0	0.9	-0.2	-0.9	1.00	1.00	0.00
3,200.0	2.00	347.64	3,200.0	3.4	-0.7	-3.4	1.00	1.00	0.00
3,300.0	3.00	347.64	3,299.9	7.7	-1.7	-7.7	1.00	1.00	0.00
3,321.7	3.22	347.64	3,321.6	8.8	-1.9	-8.8	1.00	1.00	0.00
3,400.0	3.22	347.64	3,399.7	13.1	-2.9	-13.1	0.00	0.00	0.00
3,500.0	3.22	347.64	3,499.5	18.6	-4.1	-18.6	0.00	0.00	0.00
3,600.0	3.22	347.64	3,599.4	24.1	-5.3	-24.1	0.00	0.00	0.00
3,700.0	3.22	347.64	3,699.2	29.6	-6.5	-29.5	0.00	0.00	0.00
3,800.0	3.22	347.64	3,799.1	35.0	-7.7	-35.0	0.00	0.00	0.00
3,900.0	3.22	347.64	3,898.9	40.5	-8.9	-40.5	0.00	0.00	0.00
4,000.0	3.22	347.64	3,998.8	46.0	-10.1	-46.0	0.00	0.00	0.00
4,100.0	3.22	347.64	4,098.6	51.5	-11.3	-51.4	0.00	0.00	0.00
4,200.0	3.22	347.64	4,198.4	57.0	-12.5	-56.9	0.00	0.00	0.00
4,300.0	3.22	347.64	4,298.3	62.5	-13.7	-62.4	0.00	0.00	0.00
4,400.0	3.22	347.64	4,398.1	67.9	-14.9	-67.9	0.00	0.00	0.00
4,500.0	3.22	347.64	4,498.0	73.4	-16.1	-73.4	0.00	0.00	0.00
4,600.0	3.22	347.64	4,597.8	78.9	-17.3	-78.8	0.00	0.00	0.00
4,700.0	3.22	347.64	4,697.7	84.4	-18.5	-84.3	0.00	0.00	0.00
4,800.0	3.22	347.64	4,797.5	89.9	-19.7	-89.8	0.00	0.00	0.00
4,900.0	3.22	347.64	4,897.3	95.3	-20.9	-95.3	0.00	0.00	0.00
5,000.0	3.22	347.64	4,997.2	100.8	-22.1	-100.7	0.00	0.00	0.00
5,100.0	3.22	347.64	5,097.0	106.3	-23.3	-106.2	0.00	0.00	0.00
5,200.0	3.22	347.64	5,196.9	111.8	-24.5	-111.7	0.00	0.00	0.00

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Site:	Convoy 28 State Com	North Reference:	Grid
Well:	#706H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	3.22	347.64	5,296.7	117.3	-25.7	-117.2	0.00	0.00	0.00
5,400.0	3.22	347.64	5,396.6	122.8	-26.9	-122.7	0.00	0.00	0.00
5,500.0	3.22	347.64	5,496.4	128.2	-28.1	-128.1	0.00	0.00	0.00
5,600.0	3.22	347.64	5,596.2	133.7	-29.3	-133.6	0.00	0.00	0.00
5,700.0	3.22	347.64	5,696.1	139.2	-30.5	-139.1	0.00	0.00	0.00
5,800.0	3.22	347.64	5,795.9	144.7	-31.7	-144.6	0.00	0.00	0.00
5,900.0	3.22	347.64	5,895.8	150.2	-32.9	-150.0	0.00	0.00	0.00
6,000.0	3.22	347.64	5,995.6	155.6	-34.1	-155.5	0.00	0.00	0.00
6,100.0	3.22	347.64	6,095.5	161.1	-35.3	-161.0	0.00	0.00	0.00
6,200.0	3.22	347.64	6,195.3	166.6	-36.5	-166.5	0.00	0.00	0.00
6,300.0	3.22	347.64	6,295.1	172.1	-37.7	-172.0	0.00	0.00	0.00
6,400.0	3.22	347.64	6,395.0	177.6	-38.9	-177.4	0.00	0.00	0.00
6,500.0	3.22	347.64	6,494.8	183.1	-40.1	-182.9	0.00	0.00	0.00
6,600.0	3.22	347.64	6,594.7	188.5	-41.3	-188.4	0.00	0.00	0.00
6,700.0	3.22	347.64	6,694.5	194.0	-42.5	-193.9	0.00	0.00	0.00
6,800.0	3.22	347.64	6,794.3	199.5	-43.7	-199.3	0.00	0.00	0.00
6,900.0	3.22	347.64	6,894.2	205.0	-44.9	-204.8	0.00	0.00	0.00
7,000.0	3.22	347.64	6,994.0	210.5	-46.1	-210.3	0.00	0.00	0.00
7,100.0	3.22	347.64	7,093.9	216.0	-47.3	-215.8	0.00	0.00	0.00
7,200.0	3.22	347.64	7,193.7	221.4	-48.5	-221.3	0.00	0.00	0.00
7,300.0	3.22	347.64	7,293.6	226.9	-49.7	-226.7	0.00	0.00	0.00
7,400.0	3.22	347.64	7,393.4	232.4	-50.9	-232.2	0.00	0.00	0.00
7,500.0	3.22	347.64	7,493.2	237.9	-52.1	-237.7	0.00	0.00	0.00
7,600.0	3.22	347.64	7,593.1	243.4	-53.3	-243.2	0.00	0.00	0.00
7,700.0	3.22	347.64	7,692.9	248.8	-54.5	-248.6	0.00	0.00	0.00
7,800.0	3.22	347.64	7,792.8	254.3	-55.7	-254.1	0.00	0.00	0.00
7,900.0	3.22	347.64	7,892.6	259.8	-56.9	-259.6	0.00	0.00	0.00
8,000.0	3.22	347.64	7,992.5	265.3	-58.1	-265.1	0.00	0.00	0.00
8,100.0	3.22	347.64	8,092.3	270.8	-59.3	-270.6	0.00	0.00	0.00
8,200.0	3.22	347.64	8,192.1	276.3	-60.5	-276.0	0.00	0.00	0.00
8,300.0	3.22	347.64	8,292.0	281.7	-61.7	-281.5	0.00	0.00	0.00
8,400.0	3.22	347.64	8,391.8	287.2	-62.9	-287.0	0.00	0.00	0.00
8,500.0	3.22	347.64	8,491.7	292.7	-64.1	-292.5	0.00	0.00	0.00
8,600.0	3.22	347.64	8,591.5	298.2	-65.3	-297.9	0.00	0.00	0.00
8,700.0	3.22	347.64	8,691.4	303.7	-66.5	-303.4	0.00	0.00	0.00
8,800.0	3.22	347.64	8,791.2	309.1	-67.7	-308.9	0.00	0.00	0.00
8,900.0	3.22	347.64	8,891.0	314.6	-68.9	-314.4	0.00	0.00	0.00
9,000.0	3.22	347.64	8,990.9	320.1	-70.1	-319.9	0.00	0.00	0.00
9,100.0	3.22	347.64	9,090.7	325.6	-71.3	-325.3	0.00	0.00	0.00
9,200.0	3.22	347.64	9,190.6	331.1	-72.5	-330.8	0.00	0.00	0.00
9,300.0	3.22	347.64	9,290.4	336.6	-73.7	-336.3	0.00	0.00	0.00
9,400.0	3.22	347.64	9,390.3	342.0	-74.9	-341.8	0.00	0.00	0.00
9,500.0	3.22	347.64	9,490.1	347.5	-76.1	-347.2	0.00	0.00	0.00
9,600.0	3.22	347.64	9,589.9	353.0	-77.3	-352.7	0.00	0.00	0.00
9,700.0	3.22	347.64	9,689.8	358.5	-78.5	-358.2	0.00	0.00	0.00
9,800.0	3.22	347.64	9,789.6	364.0	-79.7	-363.7	0.00	0.00	0.00
9,900.0	3.22	347.64	9,889.5	369.5	-80.9	-369.2	0.00	0.00	0.00
10,000.0	3.22	347.64	9,989.3	374.9	-82.1	-374.6	0.00	0.00	0.00
10,100.0	3.22	347.64	10,089.1	380.4	-83.3	-380.1	0.00	0.00	0.00
10,200.0	3.22	347.64	10,189.0	385.9	-84.5	-385.6	0.00	0.00	0.00
10,300.0	3.22	347.64	10,288.8	391.4	-85.7	-391.1	0.00	0.00	0.00
10,400.0	3.22	347.64	10,388.7	396.9	-86.9	-396.5	0.00	0.00	0.00
10,500.0	3.22	347.64	10,488.5	402.3	-88.1	-402.0	0.00	0.00	0.00
10,600.0	3.22	347.64	10,588.4	407.8	-89.3	-407.5	0.00	0.00	0.00

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 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Convoy 28 State Com
 Well: #706H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #706H
 TVD Reference: KB = 25 @ 3546.0usft
 MD Reference: KB = 25 @ 3546.0usft
 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)
10,700.0	3.22	347.64	10,688.2	413.3	-90.5	-413.0	0.00	0.00	0.00
10,800.0	3.22	347.64	10,788.0	418.8	-91.7	-418.4	0.00	0.00	0.00
10,900.0	3.22	347.64	10,887.9	424.3	-92.9	-423.9	0.00	0.00	0.00
11,000.0	3.22	347.64	10,987.7	429.8	-94.1	-429.4	0.00	0.00	0.00
11,100.0	3.22	347.64	11,087.6	435.2	-95.3	-434.9	0.00	0.00	0.00
11,200.0	3.22	347.64	11,187.4	440.7	-96.5	-440.4	0.00	0.00	0.00
11,300.0	3.22	347.64	11,287.3	446.2	-97.7	-445.8	0.00	0.00	0.00
11,400.0	3.22	347.64	11,387.1	451.7	-98.9	-451.3	0.00	0.00	0.00
11,500.0	3.22	347.64	11,486.9	457.2	-100.1	-456.8	0.00	0.00	0.00
11,600.0	3.22	347.64	11,586.8	462.6	-101.3	-462.3	0.00	0.00	0.00
11,700.0	3.22	347.64	11,686.6	468.1	-102.5	-467.7	0.00	0.00	0.00
11,800.0	3.22	347.64	11,786.5	473.6	-103.7	-473.2	0.00	0.00	0.00
11,900.0	3.22	347.64	11,886.3	479.1	-104.9	-478.7	0.00	0.00	0.00
12,004.2	3.22	347.64	11,990.4	484.8	-106.2	-484.4	0.00	0.00	0.00
12,025.0	0.93	313.99	12,011.1	485.5	-106.4	-485.1	12.00	-10.99	-161.85
12,050.0	2.44	195.40	12,036.1	485.1	-106.7	-484.7	12.00	6.03	-474.36
12,075.0	5.39	186.65	12,061.1	483.4	-107.0	-483.0	12.00	11.79	-34.99
12,100.0	8.37	184.10	12,085.9	480.5	-107.3	-480.1	12.00	11.94	-10.19
12,125.0	11.37	182.89	12,110.5	476.2	-107.5	-475.8	12.00	11.97	-4.86
12,150.0	14.36	182.18	12,134.9	470.6	-107.8	-470.2	12.00	11.98	-2.85
12,175.0	17.36	181.71	12,158.9	463.8	-108.0	-463.4	12.00	11.99	-1.88
12,200.0	20.36	181.37	12,182.6	455.7	-108.2	-455.3	12.00	11.99	-1.34
12,225.0	23.36	181.12	12,205.8	446.4	-108.4	-446.0	12.00	11.99	-1.01
12,250.0	26.36	180.92	12,228.5	435.9	-108.6	-435.5	12.00	12.00	-0.79
12,275.0	29.35	180.76	12,250.6	424.2	-108.8	-423.8	12.00	12.00	-0.64
12,300.0	32.35	180.63	12,272.0	411.4	-108.9	-411.0	12.00	12.00	-0.53
12,325.0	35.35	180.51	12,292.8	397.5	-109.1	-397.1	12.00	12.00	-0.45
12,350.0	38.35	180.42	12,312.8	382.5	-109.2	-382.1	12.00	12.00	-0.39
12,375.0	41.35	180.33	12,332.0	366.5	-109.3	-366.1	12.00	12.00	-0.34
12,400.0	44.35	180.26	12,350.3	349.5	-109.4	-349.1	12.00	12.00	-0.30
12,425.0	47.35	180.19	12,367.7	331.5	-109.4	-331.1	12.00	12.00	-0.27
12,450.0	50.35	180.13	12,384.2	312.7	-109.5	-312.3	12.00	12.00	-0.25
12,475.0	53.35	180.07	12,399.6	293.1	-109.5	-292.7	12.00	12.00	-0.23
12,500.0	56.35	180.02	12,414.0	272.6	-109.5	-272.2	12.00	12.00	-0.21
12,525.0	59.35	179.97	12,427.3	251.5	-109.5	-251.0	12.00	12.00	-0.19
12,550.0	62.35	179.92	12,439.5	229.6	-109.5	-229.2	12.00	12.00	-0.18
12,575.0	65.35	179.88	12,450.5	207.2	-109.5	-206.8	12.00	12.00	-0.17
12,600.0	68.35	179.84	12,460.3	184.2	-109.4	-183.8	12.00	12.00	-0.16
12,625.0	71.35	179.80	12,468.9	160.7	-109.4	-160.3	12.00	12.00	-0.16
12,650.0	74.35	179.76	12,476.3	136.8	-109.3	-136.4	12.00	12.00	-0.15
12,675.0	77.35	179.73	12,482.4	112.6	-109.2	-112.2	12.00	12.00	-0.15
12,700.0	80.35	179.69	12,487.2	88.1	-109.0	-87.7	12.00	12.00	-0.14
12,725.0	83.35	179.65	12,490.8	63.3	-108.9	-62.9	12.00	12.00	-0.14
12,750.0	86.35	179.62	12,493.0	38.4	-108.7	-38.0	12.00	12.00	-0.14
12,775.0	89.35	179.58	12,494.0	13.5	-108.6	-13.1	12.00	12.00	-0.14
12,780.4	90.00	179.58	12,494.0	8.0	-108.5	-7.6	12.00	12.00	-0.14
12,800.0	90.00	179.58	12,494.0	-11.5	-108.4	11.9	0.00	0.00	0.00
12,900.0	90.00	179.58	12,494.0	-111.5	-107.6	111.9	0.00	0.00	0.00
13,000.0	90.00	179.58	12,494.0	-211.5	-106.9	211.9	0.00	0.00	0.00
13,100.0	90.00	179.58	12,494.0	-311.5	-106.2	311.9	0.00	0.00	0.00
13,200.0	90.00	179.58	12,494.0	-411.5	-105.4	411.9	0.00	0.00	0.00
13,300.0	90.00	179.58	12,494.0	-511.5	-104.7	511.9	0.00	0.00	0.00
13,400.0	90.00	179.58	12,494.0	-611.5	-103.9	611.9	0.00	0.00	0.00
13,500.0	90.00	179.58	12,494.0	-711.5	-103.2	711.9	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Convoy 28 State Com
Well: #706H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #706H
TVD Reference: KB = 25 @ 3546.0usft
MD Reference: KB = 25 @ 3546.0usft
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)
13,600.0	90.00	179.58	12,494.0	-811.5	-102.5	811.9	0.00	0.00	0.00
13,700.0	90.00	179.58	12,494.0	-911.5	-101.7	911.9	0.00	0.00	0.00
13,800.0	90.00	179.58	12,494.0	-1,011.5	-101.0	1,011.9	0.00	0.00	0.00
13,900.0	90.00	179.58	12,494.0	-1,111.5	-100.2	1,111.9	0.00	0.00	0.00
14,000.0	90.00	179.58	12,494.0	-1,211.5	-99.5	1,211.9	0.00	0.00	0.00
14,100.0	90.00	179.58	12,494.0	-1,311.5	-98.8	1,311.9	0.00	0.00	0.00
14,200.0	90.00	179.58	12,494.0	-1,411.5	-98.0	1,411.8	0.00	0.00	0.00
14,300.0	90.00	179.58	12,494.0	-1,511.5	-97.3	1,511.8	0.00	0.00	0.00
14,400.0	90.00	179.58	12,494.0	-1,611.5	-96.5	1,611.8	0.00	0.00	0.00
14,500.0	90.00	179.58	12,494.0	-1,711.5	-95.8	1,711.8	0.00	0.00	0.00
14,600.0	90.00	179.58	12,494.0	-1,811.5	-95.0	1,811.8	0.00	0.00	0.00
14,700.0	90.00	179.58	12,494.0	-1,911.5	-94.3	1,911.8	0.00	0.00	0.00
14,800.0	90.00	179.58	12,494.0	-2,011.5	-93.6	2,011.8	0.00	0.00	0.00
14,900.0	90.00	179.58	12,494.0	-2,111.5	-92.8	2,111.8	0.00	0.00	0.00
15,000.0	90.00	179.58	12,494.0	-2,211.5	-92.1	2,211.8	0.00	0.00	0.00
15,100.0	90.00	179.58	12,494.0	-2,311.5	-91.3	2,311.8	0.00	0.00	0.00
15,200.0	90.00	179.58	12,494.0	-2,411.5	-90.6	2,411.8	0.00	0.00	0.00
15,300.0	90.00	179.58	12,494.0	-2,511.5	-89.9	2,511.8	0.00	0.00	0.00
15,400.0	90.00	179.58	12,494.0	-2,611.5	-89.1	2,611.8	0.00	0.00	0.00
15,500.0	90.00	179.58	12,494.0	-2,711.5	-88.4	2,711.8	0.00	0.00	0.00
15,600.0	90.00	179.58	12,494.0	-2,811.5	-87.6	2,811.8	0.00	0.00	0.00
15,700.0	90.00	179.58	12,494.0	-2,911.5	-86.9	2,911.8	0.00	0.00	0.00
15,800.0	90.00	179.58	12,494.0	-3,011.5	-86.2	3,011.7	0.00	0.00	0.00
15,900.0	90.00	179.58	12,494.0	-3,111.4	-85.4	3,111.7	0.00	0.00	0.00
16,000.0	90.00	179.58	12,494.0	-3,211.4	-84.7	3,211.7	0.00	0.00	0.00
16,100.0	90.00	179.58	12,494.0	-3,311.4	-83.9	3,311.7	0.00	0.00	0.00
16,200.0	90.00	179.58	12,494.0	-3,411.4	-83.2	3,411.7	0.00	0.00	0.00
16,300.0	90.00	179.58	12,494.0	-3,511.4	-82.5	3,511.7	0.00	0.00	0.00
16,400.0	90.00	179.58	12,494.0	-3,611.4	-81.7	3,611.7	0.00	0.00	0.00
16,500.0	90.00	179.58	12,494.0	-3,711.4	-81.0	3,711.7	0.00	0.00	0.00
16,600.0	90.00	179.58	12,494.0	-3,811.4	-80.2	3,811.7	0.00	0.00	0.00
16,700.0	90.00	179.58	12,494.0	-3,911.4	-79.5	3,911.7	0.00	0.00	0.00
16,800.0	90.00	179.58	12,494.0	-4,011.4	-78.8	4,011.7	0.00	0.00	0.00
16,900.0	90.00	179.58	12,494.0	-4,111.4	-78.0	4,111.7	0.00	0.00	0.00
17,000.0	90.00	179.58	12,494.0	-4,211.4	-77.3	4,211.7	0.00	0.00	0.00
17,100.0	90.00	179.58	12,494.0	-4,311.4	-76.5	4,311.7	0.00	0.00	0.00
17,200.0	90.00	179.58	12,494.0	-4,411.4	-75.8	4,411.7	0.00	0.00	0.00
17,300.0	90.00	179.58	12,494.0	-4,511.4	-75.1	4,511.7	0.00	0.00	0.00
17,400.0	90.00	179.58	12,494.0	-4,611.4	-74.3	4,611.6	0.00	0.00	0.00
17,500.0	90.00	179.58	12,494.0	-4,711.4	-73.6	4,711.6	0.00	0.00	0.00
17,600.0	90.00	179.58	12,494.0	-4,811.4	-72.8	4,811.6	0.00	0.00	0.00
17,700.0	90.00	179.58	12,494.0	-4,911.4	-72.1	4,911.6	0.00	0.00	0.00
17,800.0	90.00	179.58	12,494.0	-5,011.4	-71.4	5,011.6	0.00	0.00	0.00
17,900.0	90.00	179.58	12,494.0	-5,111.4	-70.6	5,111.6	0.00	0.00	0.00
18,000.0	90.00	179.58	12,494.0	-5,211.4	-69.9	5,211.6	0.00	0.00	0.00
18,100.0	90.00	179.58	12,494.0	-5,311.4	-69.1	5,311.6	0.00	0.00	0.00
18,200.0	90.00	179.58	12,494.0	-5,411.4	-68.4	5,411.6	0.00	0.00	0.00
18,300.0	90.00	179.58	12,494.0	-5,511.4	-67.7	5,511.6	0.00	0.00	0.00
18,400.0	90.00	179.58	12,494.0	-5,611.4	-66.9	5,611.6	0.00	0.00	0.00
18,500.0	90.00	179.58	12,494.0	-5,711.4	-66.2	5,711.6	0.00	0.00	0.00
18,600.0	90.00	179.58	12,494.0	-5,811.4	-65.4	5,811.6	0.00	0.00	0.00
18,700.0	90.00	179.58	12,494.0	-5,911.4	-64.7	5,911.6	0.00	0.00	0.00
18,800.0	90.00	179.58	12,494.0	-6,011.4	-64.0	6,011.6	0.00	0.00	0.00
18,900.0	90.00	179.58	12,494.0	-6,111.4	-63.2	6,111.6	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #706H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3546.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3546.0usft
Site:	Convoy 28 State Com	North Reference:	Grid
Well:	#706H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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)
19,000.0	90.00	179.58	12,494.0	-6,211.4	-62.5	6,211.6	0.00	0.00	0.00
19,100.0	90.00	179.58	12,494.0	-6,311.4	-61.7	6,311.5	0.00	0.00	0.00
19,200.0	90.00	179.58	12,494.0	-6,411.4	-61.0	6,411.5	0.00	0.00	0.00
19,300.0	90.00	179.58	12,494.0	-6,511.4	-60.3	6,511.5	0.00	0.00	0.00
19,400.0	90.00	179.58	12,494.0	-6,611.4	-59.5	6,611.5	0.00	0.00	0.00
19,500.0	90.00	179.58	12,494.0	-6,711.3	-58.8	6,711.5	0.00	0.00	0.00
19,600.0	90.00	179.58	12,494.0	-6,811.3	-58.0	6,811.5	0.00	0.00	0.00
19,700.0	90.00	179.58	12,494.0	-6,911.3	-57.3	6,911.5	0.00	0.00	0.00
19,800.0	90.00	179.58	12,494.0	-7,011.3	-56.6	7,011.5	0.00	0.00	0.00
19,900.0	90.00	179.58	12,494.0	-7,111.3	-55.8	7,111.5	0.00	0.00	0.00
20,000.0	90.00	179.58	12,494.0	-7,211.3	-55.1	7,211.5	0.00	0.00	0.00
20,100.0	90.00	179.58	12,494.0	-7,311.3	-54.3	7,311.5	0.00	0.00	0.00
20,200.0	90.00	179.58	12,494.0	-7,411.3	-53.6	7,411.5	0.00	0.00	0.00
20,300.0	90.00	179.58	12,494.0	-7,511.3	-52.9	7,511.5	0.00	0.00	0.00
20,400.0	90.00	179.58	12,494.0	-7,611.3	-52.1	7,611.5	0.00	0.00	0.00
20,500.0	90.00	179.58	12,494.0	-7,711.3	-51.4	7,711.5	0.00	0.00	0.00
20,600.0	90.00	179.58	12,494.0	-7,811.3	-50.6	7,811.5	0.00	0.00	0.00
20,700.0	90.00	179.58	12,494.0	-7,911.3	-49.9	7,911.4	0.00	0.00	0.00
20,800.0	90.00	179.58	12,494.0	-8,011.3	-49.2	8,011.4	0.00	0.00	0.00
20,900.0	90.00	179.58	12,494.0	-8,111.3	-48.4	8,111.4	0.00	0.00	0.00
21,000.0	90.00	179.58	12,494.0	-8,211.3	-47.7	8,211.4	0.00	0.00	0.00
21,100.0	90.00	179.58	12,494.0	-8,311.3	-46.9	8,311.4	0.00	0.00	0.00
21,200.0	90.00	179.58	12,494.0	-8,411.3	-46.2	8,411.4	0.00	0.00	0.00
21,300.0	90.00	179.58	12,494.0	-8,511.3	-45.5	8,511.4	0.00	0.00	0.00
21,400.0	90.00	179.58	12,494.0	-8,611.3	-44.7	8,611.4	0.00	0.00	0.00
21,500.0	90.00	179.58	12,494.0	-8,711.3	-44.0	8,711.4	0.00	0.00	0.00
21,600.0	90.00	179.58	12,494.0	-8,811.3	-43.2	8,811.4	0.00	0.00	0.00
21,700.0	90.00	179.58	12,494.0	-8,911.3	-42.5	8,911.4	0.00	0.00	0.00
21,800.0	90.00	179.58	12,494.0	-9,011.3	-41.7	9,011.4	0.00	0.00	0.00
21,900.0	90.00	179.58	12,494.0	-9,111.3	-41.0	9,111.4	0.00	0.00	0.00
22,000.0	90.00	179.58	12,494.0	-9,211.3	-40.3	9,211.4	0.00	0.00	0.00
22,100.0	90.00	179.58	12,494.0	-9,311.3	-39.5	9,311.4	0.00	0.00	0.00
22,200.0	90.00	179.58	12,494.0	-9,411.3	-38.8	9,411.4	0.00	0.00	0.00
22,300.0	90.00	179.58	12,494.0	-9,511.3	-38.0	9,511.3	0.00	0.00	0.00
22,400.0	90.00	179.58	12,494.0	-9,611.3	-37.3	9,611.3	0.00	0.00	0.00
22,500.0	90.00	179.58	12,494.0	-9,711.3	-36.6	9,711.3	0.00	0.00	0.00
22,576.7	90.00	179.58	12,494.0	-9,788.0	-36.0	9,788.1	0.00	0.00	0.00

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
FTP(Con 28 ST Com #7	0.00	0.00	12,494.0	208.0	-110.0	435,488.00	775,430.00	32° 11' 41.890 N	103° 34' 35.656 W
- plan misses target center by 40.2usft at 12591.4usft MD (12457.1 TVD, 192.2 N, -109.5 E)									
- Point									
PBHL(Con 28 ST Com i	0.00	0.00	12,494.0	-9,788.0	-36.0	425,492.00	775,504.00	32° 10' 2.972 N	103° 34' 35.613 W
- plan hits target center									
- Point									