



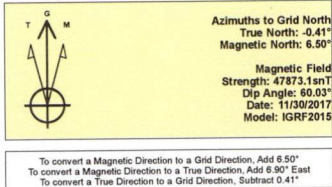
Lea County, NM (NAD 83 NME)
Convoy 28 State Com #702H
Plan #0.1

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: #702H

KB = 25 @ 3546.0usft 3521.0
Northing 435254.00 Easting 777172.00 Latitude 32° 11' 39.453 N Longitude 103° 34' 15.403 W

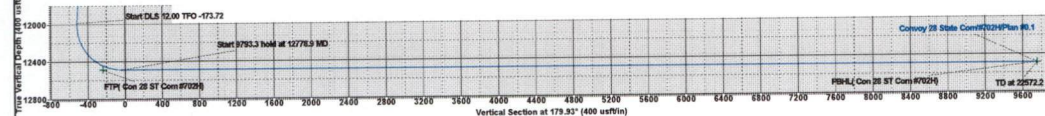
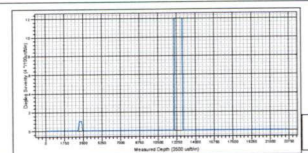
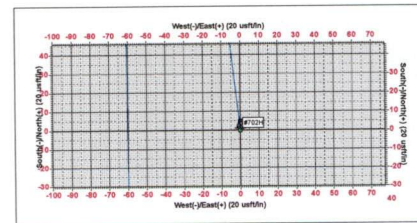
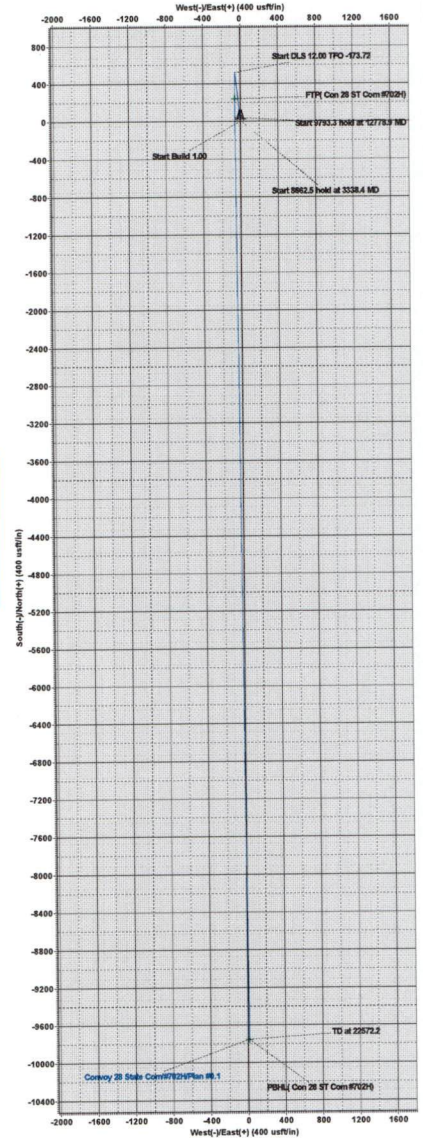
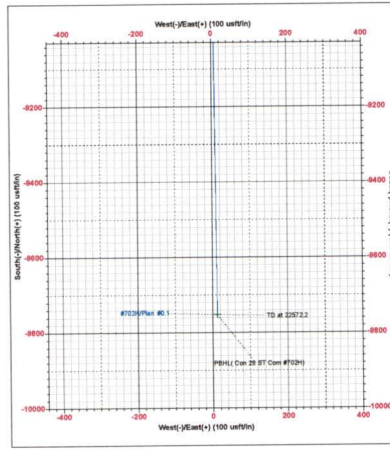
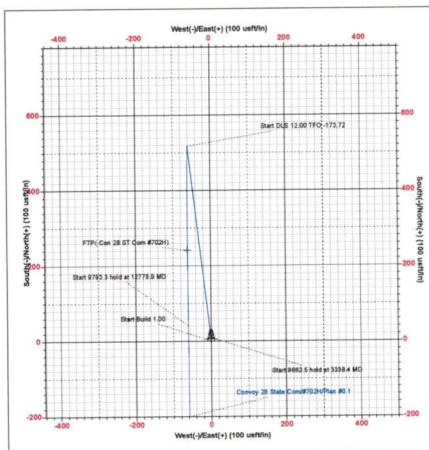
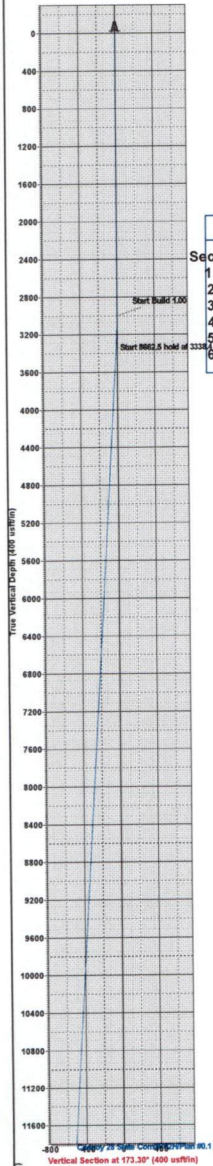


SECTION DETAILS

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	3338.4	3.38	353.30	3338.2	9.9	-1.2	1.00	353.30	-9.9	
4	12000.8	3.38	353.30	11985.5	517.7	-60.8	0.00	0.00	-517.8	
5	12778.9	90.00	179.58	12491.0	41.0	-60.5	12.00	-173.72	-41.1	
6	22572.2	90.00	179.58	12491.0	-9752.0	12.0	0.00	0.00	9752.0	PBHL(Con 28 ST Com #702H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP(Con 28 ST Com #702H)	12491.0	241.0	-62.0	435495.00	777110.00
PBHL(Con 28 ST Com #702H)	12491.0	-9752.0	12.0	425502.00	777104.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Convoy 28 State Com

#702H

OH

Plan: Plan #0.1

Standard Planning Report

06 December, 2017

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #702H
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:	#702H	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	#702H					
Well Position	+N/-S	33.0 usft	Northing:	435,254.00 usft	Latitude:	32° 11' 39.453 N
	+E/-W	0.0 usft	Easting:	777,172.00 usft	Longitude:	103° 34' 15.403 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	47,873.08399428

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	179.93	

Plan Survey Tool Program	Date	12/6/2017			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	22,572.2 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	
3,338.4	3.38	353.30	3,338.2	9.9	-1.2	1.00	1.00	0.00	353.30	
12,000.8	3.38	353.30	11,985.5	517.7	-60.8	0.00	0.00	0.00	0.00	
12,778.9	90.00	179.58	12,491.0	41.0	-60.5	12.00	11.13	-22.33	-173.72	
22,572.2	90.00	179.58	12,491.0	-9,752.0	12.0	0.00	0.00	0.00	0.00	PBHL(Con 28 ST Co

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Convoy 28 State Com
Well: #702H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #702H
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)
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	353.30	3,100.0	0.9	-0.1	-0.9	1.00	1.00	0.00
3,200.0	2.00	353.30	3,200.0	3.5	-0.4	-3.5	1.00	1.00	0.00
3,300.0	3.00	353.30	3,299.9	7.8	-0.9	-7.8	1.00	1.00	0.00
3,338.4	3.38	353.30	3,338.2	9.9	-1.2	-9.9	1.00	1.00	0.00
3,400.0	3.38	353.30	3,399.7	13.5	-1.6	-13.5	0.00	0.00	0.00
3,500.0	3.38	353.30	3,499.5	19.4	-2.3	-19.4	0.00	0.00	0.00
3,600.0	3.38	353.30	3,599.3	25.3	-3.0	-25.3	0.00	0.00	0.00
3,700.0	3.38	353.30	3,699.2	31.1	-3.7	-31.1	0.00	0.00	0.00
3,800.0	3.38	353.30	3,799.0	37.0	-4.3	-37.0	0.00	0.00	0.00
3,900.0	3.38	353.30	3,898.8	42.8	-5.0	-42.8	0.00	0.00	0.00
4,000.0	3.38	353.30	3,998.6	48.7	-5.7	-48.7	0.00	0.00	0.00
4,100.0	3.38	353.30	4,098.5	54.6	-6.4	-54.6	0.00	0.00	0.00
4,200.0	3.38	353.30	4,198.3	60.4	-7.1	-60.4	0.00	0.00	0.00
4,300.0	3.38	353.30	4,298.1	66.3	-7.8	-66.3	0.00	0.00	0.00
4,400.0	3.38	353.30	4,398.0	72.1	-8.5	-72.2	0.00	0.00	0.00
4,500.0	3.38	353.30	4,497.8	78.0	-9.2	-78.0	0.00	0.00	0.00
4,600.0	3.38	353.30	4,597.6	83.9	-9.8	-83.9	0.00	0.00	0.00
4,700.0	3.38	353.30	4,697.4	89.7	-10.5	-89.7	0.00	0.00	0.00
4,800.0	3.38	353.30	4,797.3	95.6	-11.2	-95.6	0.00	0.00	0.00
4,900.0	3.38	353.30	4,897.1	101.5	-11.9	-101.5	0.00	0.00	0.00
5,000.0	3.38	353.30	4,996.9	107.3	-12.6	-107.3	0.00	0.00	0.00
5,100.0	3.38	353.30	5,096.7	113.2	-13.3	-113.2	0.00	0.00	0.00
5,200.0	3.38	353.30	5,196.6	119.0	-14.0	-119.1	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #702H
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:	#702H	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	3.38	353.30	5,296.4	124.9	-14.7	-124.9	0.00	0.00	0.00
5,400.0	3.38	353.30	5,396.2	130.8	-15.4	-130.8	0.00	0.00	0.00
5,500.0	3.38	353.30	5,496.0	136.6	-16.0	-136.6	0.00	0.00	0.00
5,600.0	3.38	353.30	5,595.9	142.5	-16.7	-142.5	0.00	0.00	0.00
5,700.0	3.38	353.30	5,695.7	148.4	-17.4	-148.4	0.00	0.00	0.00
5,800.0	3.38	353.30	5,795.5	154.2	-18.1	-154.2	0.00	0.00	0.00
5,900.0	3.38	353.30	5,895.3	160.1	-18.8	-160.1	0.00	0.00	0.00
6,000.0	3.38	353.30	5,995.2	165.9	-19.5	-166.0	0.00	0.00	0.00
6,100.0	3.38	353.30	6,095.0	171.8	-20.2	-171.8	0.00	0.00	0.00
6,200.0	3.38	353.30	6,194.8	177.7	-20.9	-177.7	0.00	0.00	0.00
6,300.0	3.38	353.30	6,294.6	183.5	-21.5	-183.5	0.00	0.00	0.00
6,400.0	3.38	353.30	6,394.5	189.4	-22.2	-189.4	0.00	0.00	0.00
6,500.0	3.38	353.30	6,494.3	195.2	-22.9	-195.3	0.00	0.00	0.00
6,600.0	3.38	353.30	6,594.1	201.1	-23.6	-201.1	0.00	0.00	0.00
6,700.0	3.38	353.30	6,693.9	207.0	-24.3	-207.0	0.00	0.00	0.00
6,800.0	3.38	353.30	6,793.8	212.8	-25.0	-212.9	0.00	0.00	0.00
6,900.0	3.38	353.30	6,893.6	218.7	-25.7	-218.7	0.00	0.00	0.00
7,000.0	3.38	353.30	6,993.4	224.6	-26.4	-224.6	0.00	0.00	0.00
7,100.0	3.38	353.30	7,093.2	230.4	-27.1	-230.4	0.00	0.00	0.00
7,200.0	3.38	353.30	7,193.1	236.3	-27.7	-236.3	0.00	0.00	0.00
7,300.0	3.38	353.30	7,292.9	242.1	-28.4	-242.2	0.00	0.00	0.00
7,400.0	3.38	353.30	7,392.7	248.0	-29.1	-248.0	0.00	0.00	0.00
7,500.0	3.38	353.30	7,492.5	253.9	-29.8	-253.9	0.00	0.00	0.00
7,600.0	3.38	353.30	7,592.4	259.7	-30.5	-259.8	0.00	0.00	0.00
7,700.0	3.38	353.30	7,692.2	265.6	-31.2	-265.6	0.00	0.00	0.00
7,800.0	3.38	353.30	7,792.0	271.4	-31.9	-271.5	0.00	0.00	0.00
7,900.0	3.38	353.30	7,891.9	277.3	-32.6	-277.3	0.00	0.00	0.00
8,000.0	3.38	353.30	7,991.7	283.2	-33.2	-283.2	0.00	0.00	0.00
8,100.0	3.38	353.30	8,091.5	289.0	-33.9	-289.1	0.00	0.00	0.00
8,200.0	3.38	353.30	8,191.3	294.9	-34.6	-294.9	0.00	0.00	0.00
8,300.0	3.38	353.30	8,291.2	300.8	-35.3	-300.8	0.00	0.00	0.00
8,400.0	3.38	353.30	8,391.0	306.6	-36.0	-306.7	0.00	0.00	0.00
8,500.0	3.38	353.30	8,490.8	312.5	-36.7	-312.5	0.00	0.00	0.00
8,600.0	3.38	353.30	8,590.6	318.3	-37.4	-318.4	0.00	0.00	0.00
8,700.0	3.38	353.30	8,690.5	324.2	-38.1	-324.2	0.00	0.00	0.00
8,800.0	3.38	353.30	8,790.3	330.1	-38.8	-330.1	0.00	0.00	0.00
8,900.0	3.38	353.30	8,890.1	335.9	-39.4	-336.0	0.00	0.00	0.00
9,000.0	3.38	353.30	8,989.9	341.8	-40.1	-341.8	0.00	0.00	0.00
9,100.0	3.38	353.30	9,089.8	347.6	-40.8	-347.7	0.00	0.00	0.00
9,200.0	3.38	353.30	9,189.6	353.5	-41.5	-353.6	0.00	0.00	0.00
9,300.0	3.38	353.30	9,289.4	359.4	-42.2	-359.4	0.00	0.00	0.00
9,400.0	3.38	353.30	9,389.2	365.2	-42.9	-365.3	0.00	0.00	0.00
9,500.0	3.38	353.30	9,489.1	371.1	-43.6	-371.1	0.00	0.00	0.00
9,600.0	3.38	353.30	9,588.9	377.0	-44.3	-377.0	0.00	0.00	0.00
9,700.0	3.38	353.30	9,688.7	382.8	-44.9	-382.9	0.00	0.00	0.00
9,800.0	3.38	353.30	9,788.5	388.7	-45.6	-388.7	0.00	0.00	0.00
9,900.0	3.38	353.30	9,888.4	394.5	-46.3	-394.6	0.00	0.00	0.00
10,000.0	3.38	353.30	9,988.2	400.4	-47.0	-400.5	0.00	0.00	0.00
10,100.0	3.38	353.30	10,088.0	406.3	-47.7	-406.3	0.00	0.00	0.00
10,200.0	3.38	353.30	10,187.8	412.1	-48.4	-412.2	0.00	0.00	0.00
10,300.0	3.38	353.30	10,287.7	418.0	-49.1	-418.0	0.00	0.00	0.00
10,400.0	3.38	353.30	10,387.5	423.8	-49.8	-423.9	0.00	0.00	0.00
10,500.0	3.38	353.30	10,487.3	429.7	-50.5	-429.8	0.00	0.00	0.00
10,600.0	3.38	353.30	10,587.1	435.6	-51.1	-435.6	0.00	0.00	0.00

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Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3546.0usft
Site:	Convoy 28 State Com	North Reference:	Grid
Well:	#702H	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)
10,700.0	3.38	353.30	10,687.0	441.4	-51.8	-441.5	0.00	0.00	0.00
10,800.0	3.38	353.30	10,786.8	447.3	-52.5	-447.4	0.00	0.00	0.00
10,900.0	3.38	353.30	10,886.6	453.2	-53.2	-453.2	0.00	0.00	0.00
11,000.0	3.38	353.30	10,986.4	459.0	-53.9	-459.1	0.00	0.00	0.00
11,100.0	3.38	353.30	11,086.3	464.9	-54.6	-464.9	0.00	0.00	0.00
11,200.0	3.38	353.30	11,186.1	470.7	-55.3	-470.8	0.00	0.00	0.00
11,300.0	3.38	353.30	11,285.9	476.6	-56.0	-476.7	0.00	0.00	0.00
11,400.0	3.38	353.30	11,385.8	482.5	-56.6	-482.5	0.00	0.00	0.00
11,500.0	3.38	353.30	11,485.6	488.3	-57.3	-488.4	0.00	0.00	0.00
11,600.0	3.38	353.30	11,585.4	494.2	-58.0	-494.3	0.00	0.00	0.00
11,700.0	3.38	353.30	11,685.2	500.1	-58.7	-500.1	0.00	0.00	0.00
11,800.0	3.38	353.30	11,785.1	505.9	-59.4	-506.0	0.00	0.00	0.00
11,900.0	3.38	353.30	11,884.9	511.8	-60.1	-511.8	0.00	0.00	0.00
12,000.8	3.38	353.30	11,985.5	517.7	-60.8	-517.8	0.00	0.00	0.00
12,025.0	0.59	320.94	12,009.7	518.5	-60.9	-518.6	12.00	-11.55	-133.90
12,050.0	2.56	187.87	12,034.7	518.0	-61.1	-518.1	12.00	7.88	-532.28
12,075.0	5.55	183.39	12,059.6	516.3	-61.3	-516.4	12.00	11.94	-17.93
12,100.0	8.54	182.04	12,084.4	513.2	-61.4	-513.3	12.00	11.98	-5.39
12,125.0	11.54	181.39	12,109.0	508.9	-61.5	-508.9	12.00	11.99	-2.61
12,150.0	14.54	181.00	12,133.4	503.2	-61.6	-503.3	12.00	12.00	-1.54
12,175.0	17.54	180.75	12,157.4	496.3	-61.7	-496.4	12.00	12.00	-1.02
12,200.0	20.54	180.56	12,181.0	488.2	-61.8	-488.2	12.00	12.00	-0.73
12,225.0	23.54	180.43	12,204.2	478.8	-61.9	-478.8	12.00	12.00	-0.55
12,250.0	26.54	180.32	12,226.9	468.2	-62.0	-468.3	12.00	12.00	-0.43
12,275.0	29.54	180.23	12,248.9	456.4	-62.0	-456.5	12.00	12.00	-0.35
12,300.0	32.54	180.16	12,270.3	443.6	-62.1	-443.6	12.00	12.00	-0.29
12,325.0	35.54	180.09	12,291.1	429.6	-62.1	-429.6	12.00	12.00	-0.25
12,350.0	38.54	180.04	12,311.0	414.5	-62.1	-414.6	12.00	12.00	-0.21
12,375.0	41.54	179.99	12,330.1	398.4	-62.1	-398.5	12.00	12.00	-0.19
12,400.0	44.54	179.95	12,348.4	381.4	-62.1	-381.4	12.00	12.00	-0.17
12,425.0	47.54	179.91	12,365.8	363.4	-62.1	-363.4	12.00	12.00	-0.15
12,450.0	50.54	179.88	12,382.2	344.5	-62.1	-344.6	12.00	12.00	-0.14
12,475.0	53.54	179.85	12,397.5	324.8	-62.0	-324.9	12.00	12.00	-0.12
12,500.0	56.54	179.82	12,411.9	304.3	-62.0	-304.4	12.00	12.00	-0.12
12,525.0	59.54	179.79	12,425.1	283.1	-61.9	-283.2	12.00	12.00	-0.11
12,550.0	62.54	179.77	12,437.2	261.2	-61.8	-261.3	12.00	12.00	-0.10
12,575.0	65.54	179.74	12,448.1	238.7	-61.7	-238.8	12.00	12.00	-0.10
12,600.0	68.54	179.72	12,457.9	215.7	-61.6	-215.8	12.00	12.00	-0.09
12,625.0	71.54	179.70	12,466.4	192.2	-61.5	-192.3	12.00	12.00	-0.09
12,650.0	74.54	179.68	12,473.7	168.3	-61.4	-168.4	12.00	12.00	-0.08
12,675.0	77.54	179.66	12,479.7	144.1	-61.2	-144.1	12.00	12.00	-0.08
12,700.0	80.54	179.64	12,484.5	119.5	-61.1	-119.6	12.00	12.00	-0.08
12,725.0	83.54	179.62	12,488.0	94.8	-60.9	-94.8	12.00	12.00	-0.08
12,750.0	86.54	179.60	12,490.1	69.9	-60.7	-69.9	12.00	12.00	-0.08
12,775.0	89.54	179.58	12,491.0	44.9	-60.5	-45.0	12.00	12.00	-0.08
12,778.9	90.00	179.58	12,491.0	41.0	-60.5	-41.1	12.00	12.00	-0.08
12,800.0	90.00	179.58	12,491.0	19.9	-60.4	-20.0	0.00	0.00	0.00
12,900.0	90.00	179.58	12,491.0	-80.1	-59.6	80.0	0.00	0.00	0.00
13,000.0	90.00	179.58	12,491.0	-180.1	-58.9	180.0	0.00	0.00	0.00
13,100.0	90.00	179.58	12,491.0	-280.1	-58.1	280.0	0.00	0.00	0.00
13,200.0	90.00	179.58	12,491.0	-380.1	-57.4	380.0	0.00	0.00	0.00
13,300.0	90.00	179.58	12,491.0	-480.1	-56.7	480.0	0.00	0.00	0.00
13,400.0	90.00	179.58	12,491.0	-580.1	-55.9	580.0	0.00	0.00	0.00
13,500.0	90.00	179.58	12,491.0	-680.1	-55.2	680.0	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #702H
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:	#702H	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)
13,600.0	90.00	179.58	12,491.0	-780.1	-54.4	780.0	0.00	0.00	0.00
13,700.0	90.00	179.58	12,491.0	-880.1	-53.7	880.0	0.00	0.00	0.00
13,800.0	90.00	179.58	12,491.0	-980.1	-53.0	980.0	0.00	0.00	0.00
13,900.0	90.00	179.58	12,491.0	-1,080.1	-52.2	1,080.0	0.00	0.00	0.00
14,000.0	90.00	179.58	12,491.0	-1,180.1	-51.5	1,180.0	0.00	0.00	0.00
14,100.0	90.00	179.58	12,491.0	-1,280.1	-50.7	1,280.0	0.00	0.00	0.00
14,200.0	90.00	179.58	12,491.0	-1,380.1	-50.0	1,380.0	0.00	0.00	0.00
14,300.0	90.00	179.58	12,491.0	-1,480.1	-49.3	1,480.0	0.00	0.00	0.00
14,400.0	90.00	179.58	12,491.0	-1,580.1	-48.5	1,580.0	0.00	0.00	0.00
14,500.0	90.00	179.58	12,491.0	-1,680.1	-47.8	1,680.0	0.00	0.00	0.00
14,600.0	90.00	179.58	12,491.0	-1,780.1	-47.0	1,780.0	0.00	0.00	0.00
14,700.0	90.00	179.58	12,491.0	-1,880.1	-46.3	1,880.0	0.00	0.00	0.00
14,800.0	90.00	179.58	12,491.0	-1,980.1	-45.6	1,980.0	0.00	0.00	0.00
14,900.0	90.00	179.58	12,491.0	-2,080.1	-44.8	2,080.0	0.00	0.00	0.00
15,000.0	90.00	179.58	12,491.0	-2,180.0	-44.1	2,180.0	0.00	0.00	0.00
15,100.0	90.00	179.58	12,491.0	-2,280.0	-43.3	2,280.0	0.00	0.00	0.00
15,200.0	90.00	179.58	12,491.0	-2,380.0	-42.6	2,380.0	0.00	0.00	0.00
15,300.0	90.00	179.58	12,491.0	-2,480.0	-41.9	2,480.0	0.00	0.00	0.00
15,400.0	90.00	179.58	12,491.0	-2,580.0	-41.1	2,580.0	0.00	0.00	0.00
15,500.0	90.00	179.58	12,491.0	-2,680.0	-40.4	2,680.0	0.00	0.00	0.00
15,600.0	90.00	179.58	12,491.0	-2,780.0	-39.6	2,780.0	0.00	0.00	0.00
15,700.0	90.00	179.58	12,491.0	-2,880.0	-38.9	2,880.0	0.00	0.00	0.00
15,800.0	90.00	179.58	12,491.0	-2,980.0	-38.1	2,980.0	0.00	0.00	0.00
15,900.0	90.00	179.58	12,491.0	-3,080.0	-37.4	3,080.0	0.00	0.00	0.00
16,000.0	90.00	179.58	12,491.0	-3,180.0	-36.7	3,180.0	0.00	0.00	0.00
16,100.0	90.00	179.58	12,491.0	-3,280.0	-35.9	3,280.0	0.00	0.00	0.00
16,200.0	90.00	179.58	12,491.0	-3,380.0	-35.2	3,380.0	0.00	0.00	0.00
16,300.0	90.00	179.58	12,491.0	-3,480.0	-34.4	3,480.0	0.00	0.00	0.00
16,400.0	90.00	179.58	12,491.0	-3,580.0	-33.7	3,580.0	0.00	0.00	0.00
16,500.0	90.00	179.58	12,491.0	-3,680.0	-33.0	3,680.0	0.00	0.00	0.00
16,600.0	90.00	179.58	12,491.0	-3,780.0	-32.2	3,780.0	0.00	0.00	0.00
16,700.0	90.00	179.58	12,491.0	-3,880.0	-31.5	3,880.0	0.00	0.00	0.00
16,800.0	90.00	179.58	12,491.0	-3,980.0	-30.7	3,980.0	0.00	0.00	0.00
16,900.0	90.00	179.58	12,491.0	-4,080.0	-30.0	4,080.0	0.00	0.00	0.00
17,000.0	90.00	179.58	12,491.0	-4,180.0	-29.3	4,180.0	0.00	0.00	0.00
17,100.0	90.00	179.58	12,491.0	-4,280.0	-28.5	4,280.0	0.00	0.00	0.00
17,200.0	90.00	179.58	12,491.0	-4,380.0	-27.8	4,380.0	0.00	0.00	0.00
17,300.0	90.00	179.58	12,491.0	-4,480.0	-27.0	4,479.9	0.00	0.00	0.00
17,400.0	90.00	179.58	12,491.0	-4,580.0	-26.3	4,579.9	0.00	0.00	0.00
17,500.0	90.00	179.58	12,491.0	-4,680.0	-25.6	4,679.9	0.00	0.00	0.00
17,600.0	90.00	179.58	12,491.0	-4,780.0	-24.8	4,779.9	0.00	0.00	0.00
17,700.0	90.00	179.58	12,491.0	-4,880.0	-24.1	4,879.9	0.00	0.00	0.00
17,800.0	90.00	179.58	12,491.0	-4,980.0	-23.3	4,979.9	0.00	0.00	0.00
17,900.0	90.00	179.58	12,491.0	-5,080.0	-22.6	5,079.9	0.00	0.00	0.00
18,000.0	90.00	179.58	12,491.0	-5,180.0	-21.9	5,179.9	0.00	0.00	0.00
18,100.0	90.00	179.58	12,491.0	-5,280.0	-21.1	5,279.9	0.00	0.00	0.00
18,200.0	90.00	179.58	12,491.0	-5,380.0	-20.4	5,379.9	0.00	0.00	0.00
18,300.0	90.00	179.58	12,491.0	-5,480.0	-19.6	5,479.9	0.00	0.00	0.00
18,400.0	90.00	179.58	12,491.0	-5,580.0	-18.9	5,579.9	0.00	0.00	0.00
18,500.0	90.00	179.58	12,491.0	-5,680.0	-18.2	5,679.9	0.00	0.00	0.00
18,600.0	90.00	179.58	12,491.0	-5,780.0	-17.4	5,779.9	0.00	0.00	0.00
18,700.0	90.00	179.58	12,491.0	-5,879.9	-16.7	5,879.9	0.00	0.00	0.00
18,800.0	90.00	179.58	12,491.0	-5,979.9	-15.9	5,979.9	0.00	0.00	0.00
18,900.0	90.00	179.58	12,491.0	-6,079.9	-15.2	6,079.9	0.00	0.00	0.00

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Convoy 28 State Com
 Well: #702H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #702H
 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)
19,000.0	90.00	179.58	12,491.0	-6,179.9	-14.5	6,179.9	0.00	0.00	0.00
19,100.0	90.00	179.58	12,491.0	-6,279.9	-13.7	6,279.9	0.00	0.00	0.00
19,200.0	90.00	179.58	12,491.0	-6,379.9	-13.0	6,379.9	0.00	0.00	0.00
19,300.0	90.00	179.58	12,491.0	-6,479.9	-12.2	6,479.9	0.00	0.00	0.00
19,400.0	90.00	179.58	12,491.0	-6,579.9	-11.5	6,579.9	0.00	0.00	0.00
19,500.0	90.00	179.58	12,491.0	-6,679.9	-10.7	6,679.9	0.00	0.00	0.00
19,600.0	90.00	179.58	12,491.0	-6,779.9	-10.0	6,779.9	0.00	0.00	0.00
19,700.0	90.00	179.58	12,491.0	-6,879.9	-9.3	6,879.9	0.00	0.00	0.00
19,800.0	90.00	179.58	12,491.0	-6,979.9	-8.5	6,979.9	0.00	0.00	0.00
19,900.0	90.00	179.58	12,491.0	-7,079.9	-7.8	7,079.9	0.00	0.00	0.00
20,000.0	90.00	179.58	12,491.0	-7,179.9	-7.0	7,179.9	0.00	0.00	0.00
20,100.0	90.00	179.58	12,491.0	-7,279.9	-6.3	7,279.9	0.00	0.00	0.00
20,200.0	90.00	179.58	12,491.0	-7,379.9	-5.6	7,379.9	0.00	0.00	0.00
20,300.0	90.00	179.58	12,491.0	-7,479.9	-4.8	7,479.9	0.00	0.00	0.00
20,400.0	90.00	179.58	12,491.0	-7,579.9	-4.1	7,579.9	0.00	0.00	0.00
20,500.0	90.00	179.58	12,491.0	-7,679.9	-3.3	7,679.9	0.00	0.00	0.00
20,600.0	90.00	179.58	12,491.0	-7,779.9	-2.6	7,779.9	0.00	0.00	0.00
20,700.0	90.00	179.58	12,491.0	-7,879.9	-1.9	7,879.9	0.00	0.00	0.00
20,800.0	90.00	179.58	12,491.0	-7,979.9	-1.1	7,979.9	0.00	0.00	0.00
20,900.0	90.00	179.58	12,491.0	-8,079.9	-0.4	8,079.9	0.00	0.00	0.00
21,000.0	90.00	179.58	12,491.0	-8,179.9	0.4	8,179.9	0.00	0.00	0.00
21,100.0	90.00	179.58	12,491.0	-8,279.9	1.1	8,279.9	0.00	0.00	0.00
21,200.0	90.00	179.58	12,491.0	-8,379.9	1.8	8,379.9	0.00	0.00	0.00
21,300.0	90.00	179.58	12,491.0	-8,479.9	2.6	8,479.9	0.00	0.00	0.00
21,400.0	90.00	179.58	12,491.0	-8,579.9	3.3	8,579.9	0.00	0.00	0.00
21,500.0	90.00	179.58	12,491.0	-8,679.9	4.1	8,679.9	0.00	0.00	0.00
21,600.0	90.00	179.58	12,491.0	-8,779.9	4.8	8,779.9	0.00	0.00	0.00
21,700.0	90.00	179.58	12,491.0	-8,879.9	5.5	8,879.9	0.00	0.00	0.00
21,800.0	90.00	179.58	12,491.0	-8,979.9	6.3	8,979.9	0.00	0.00	0.00
21,900.0	90.00	179.58	12,491.0	-9,079.9	7.0	9,079.9	0.00	0.00	0.00
22,000.0	90.00	179.58	12,491.0	-9,179.9	7.8	9,179.9	0.00	0.00	0.00
22,100.0	90.00	179.58	12,491.0	-9,279.9	8.5	9,279.9	0.00	0.00	0.00
22,200.0	90.00	179.58	12,491.0	-9,379.9	9.2	9,379.9	0.00	0.00	0.00
22,300.0	90.00	179.58	12,491.0	-9,479.8	10.0	9,479.9	0.00	0.00	0.00
22,400.0	90.00	179.58	12,491.0	-9,579.8	10.7	9,579.9	0.00	0.00	0.00
22,500.0	90.00	179.58	12,491.0	-9,679.8	11.5	9,679.9	0.00	0.00	0.00
22,572.2	90.00	179.58	12,491.0	-9,752.0	12.0	9,752.0	0.00	0.00	0.00

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(Con 28 ST Com #7 - plan misses target center by 40.2usft at 12589.6usft MD (12454.0 TVD, 225.3 N, -61.6 E) - Point	0.00	0.00	12,491.0	241.0	-62.0	435,495.00	777,110.00	32° 11' 41.842 N	103° 34' 16.105 W
PBHL(Con 28 ST Com i - plan hits target center - Point	0.00	0.00	12,491.0	-9,752.0	12.0	425,502.00	777,184.00	32° 10' 2.953 N	103° 34' 16.068 W