

DEC 06 2017

RECEIVED



Lea County, NM (NAD 83 NME)

Convoy 28 State Com #705H

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: #705H

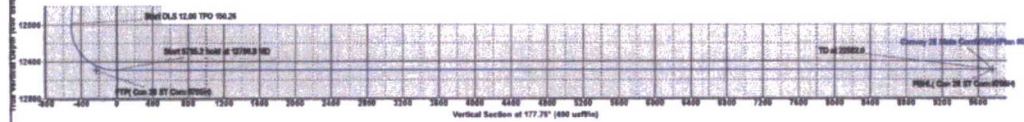
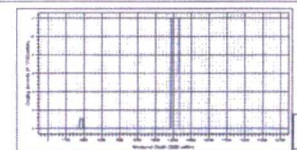
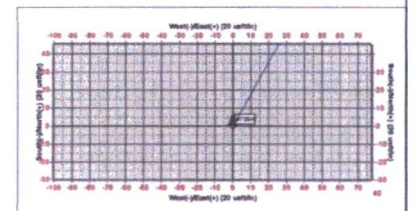
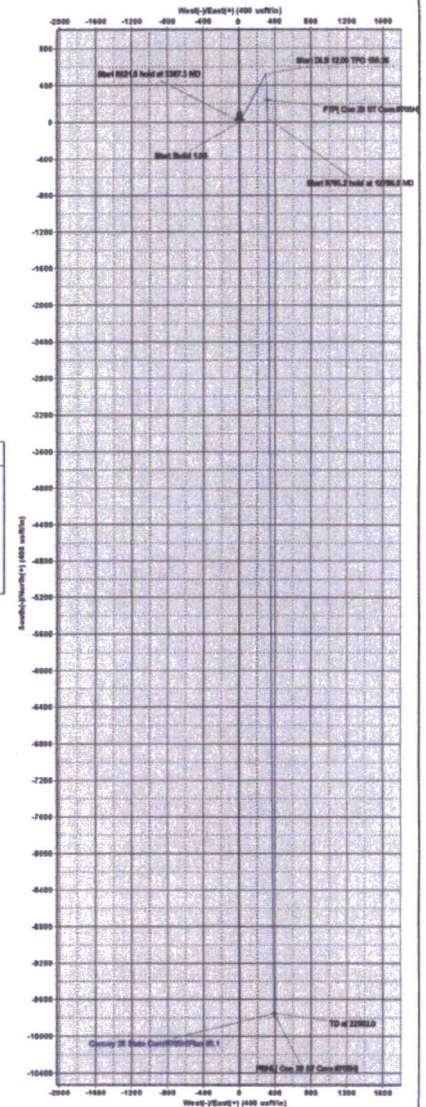
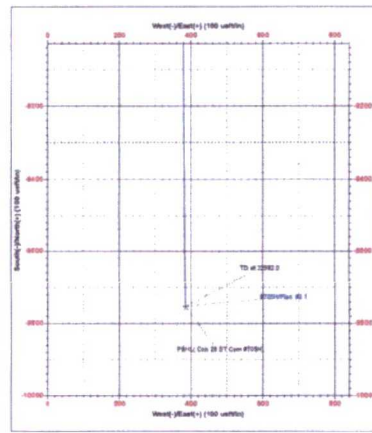
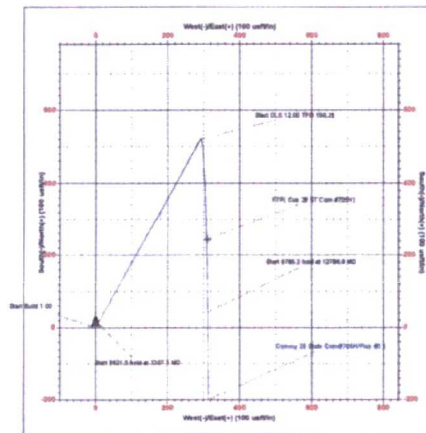
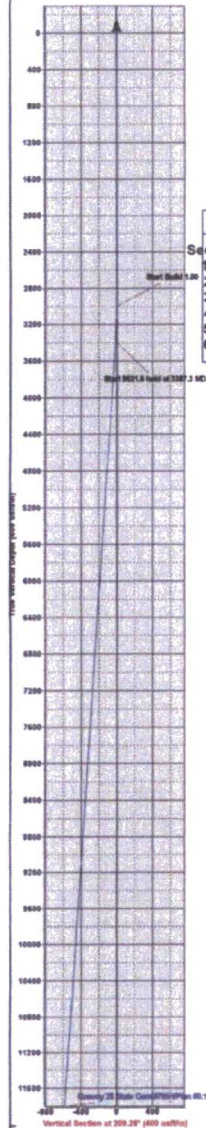
KB = 25 @ 3645.0usft
 Northing 435247.00 Easting 775549.00
 Latitude 32° 11' 39.49S N Longitude 103° 34' 34.39S W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dieg	TFace	VSeet	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	3387.3	3.87	29.26	3387.0	11.4	6.4	1.00	29.26	-11.2	
4	12008.8	3.87	29.26	11988.8	519.4	291.0	0.00	0.00	-507.6	
5	12786.8	90.00	179.58	12494.0	42.9	311.5	12.00	150.25	-30.6	
6	22582.0	90.00	179.58	12494.0	-9752.0	384.0	0.00	0.00	9759.6	PBHL(Con 28 ST Com #705H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP(Con 28 ST Com #705H)	12494.0	243.0	310.0	435490.00	775660.00
PBHL(Con 28 ST Com #705H)	12494.0	-9752.0	384.0	425495.00	775924.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Convoy 28 State Com

#705H

OH

Plan: Plan #0.1

Standard Planning Report

06 December, 2017



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Convoy 28 State Com
Well: #705H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #705H
TVD Reference: KB = 25 @ 3545.0usft
MD Reference: KB = 25 @ 3545.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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
From:	Map	Easting:	777,172.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 11' 39.126 N
		Longitude:	103° 34' 15.406 W
		Grid Convergence:	0.41 °

Well	#705H		
Well Position	+N/-S	26.0 usft	Northing: 435,247.00 usft
	+E/-W	-1,632.0 usft	Easting: 775,540.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Latitude: 32° 11' 39.498 N
		Ground Level:	3,520.0 usft
			Longitude: 103° 34' 34.395 W

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	11/30/2017	(°)
			6.90
			Dip Angle
			(°)
			60.03
			Field Strength
			(nT)
			47,872.54360257

Design	Plan #0.1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			177.75

Plan Survey Tool Program	Date 12/6/2017		
Depth From	Depth To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
1	0.0	22,582.0 Plan #0.1 (OH)	MWD
			MWD - Standard

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
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	
3,387.3	3.87	29.26	3,387.0	11.4	6.4	1.00	1.00	0.00	29.26	
12,008.8	3.87	29.26	11,988.8	519.4	291.0	0.00	0.00	0.00	0.00	
12,786.8	90.00	179.58	12,494.0	42.9	311.5	12.00	11.07	19.32	150.26	
22,582.0	90.00	179.58	12,494.0	-9,752.0	384.0	0.00	0.00	0.00	0.00	PBHL(Con 28 ST Co



Planning Report

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 Well: #705H
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Local Co-ordinate Reference:
 TVD Reference: KB = 25 @ 3545.0usft
 MD Reference: KB = 25 @ 3545.0usft
 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	29.26	3,100.0	0.8	0.4	-0.7	1.00	1.00	0.00
3,200.0	2.00	29.26	3,200.0	3.0	1.7	-3.0	1.00	1.00	0.00
3,300.0	3.00	29.26	3,299.9	6.9	3.8	-6.7	1.00	1.00	0.00
3,387.3	3.87	29.26	3,387.0	11.4	6.4	-11.2	1.00	1.00	0.00
3,400.0	3.87	29.26	3,399.7	12.2	6.8	-11.9	0.00	0.00	0.00
3,500.0	3.87	29.26	3,499.4	18.1	10.1	-17.6	0.00	0.00	0.00
3,600.0	3.87	29.26	3,599.2	23.9	13.4	-23.4	0.00	0.00	0.00
3,700.0	3.87	29.26	3,699.0	29.8	16.7	-29.2	0.00	0.00	0.00
3,800.0	3.87	29.26	3,798.8	35.7	20.0	-34.9	0.00	0.00	0.00
3,900.0	3.87	29.26	3,898.5	41.6	23.3	-40.7	0.00	0.00	0.00
4,000.0	3.87	29.26	3,998.3	47.5	26.6	-46.4	0.00	0.00	0.00
4,100.0	3.87	29.26	4,098.1	53.4	29.9	-52.2	0.00	0.00	0.00
4,200.0	3.87	29.26	4,197.8	59.3	33.2	-58.0	0.00	0.00	0.00
4,300.0	3.87	29.26	4,297.6	65.2	36.5	-63.7	0.00	0.00	0.00
4,400.0	3.87	29.26	4,397.4	71.1	39.8	-69.5	0.00	0.00	0.00
4,500.0	3.87	29.26	4,497.2	77.0	43.1	-75.2	0.00	0.00	0.00
4,600.0	3.87	29.26	4,596.9	82.9	46.4	-81.0	0.00	0.00	0.00
4,700.0	3.87	29.26	4,696.7	88.8	49.7	-86.7	0.00	0.00	0.00
4,800.0	3.87	29.26	4,796.5	94.7	53.0	-92.5	0.00	0.00	0.00
4,900.0	3.87	29.26	4,896.3	100.6	56.3	-98.3	0.00	0.00	0.00
5,000.0	3.87	29.26	4,996.0	106.4	59.6	-104.0	0.00	0.00	0.00
5,100.0	3.87	29.26	5,095.8	112.3	62.9	-109.8	0.00	0.00	0.00
5,200.0	3.87	29.26	5,195.6	118.2	66.2	-115.5	0.00	0.00	0.00



Planning Report

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Well: #705H
Wellbore: OH
Design: Plan #0.1

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MD Reference: KB = 25 @ 3545.0usft
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)
5,300.0	3.87	29.26	5,295.3	124.1	69.5	-121.3	0.00	0.00	0.00
5,400.0	3.87	29.26	5,395.1	130.0	72.8	-127.0	0.00	0.00	0.00
5,500.0	3.87	29.26	5,494.9	135.9	76.1	-132.8	0.00	0.00	0.00
5,600.0	3.87	29.26	5,594.7	141.8	79.4	-138.6	0.00	0.00	0.00
5,700.0	3.87	29.26	5,694.4	147.7	82.7	-144.3	0.00	0.00	0.00
5,800.0	3.87	29.26	5,794.2	153.6	86.0	-150.1	0.00	0.00	0.00
5,900.0	3.87	29.26	5,894.0	159.5	89.3	-155.8	0.00	0.00	0.00
6,000.0	3.87	29.26	5,993.7	165.4	92.6	-161.6	0.00	0.00	0.00
6,100.0	3.87	29.26	6,093.5	171.3	95.9	-167.4	0.00	0.00	0.00
6,200.0	3.87	29.26	6,193.3	177.2	99.3	-173.1	0.00	0.00	0.00
6,300.0	3.87	29.26	6,293.1	183.0	102.6	-178.9	0.00	0.00	0.00
6,400.0	3.87	29.26	6,392.8	188.9	105.9	-184.6	0.00	0.00	0.00
6,500.0	3.87	29.26	6,492.6	194.8	109.2	-190.4	0.00	0.00	0.00
6,600.0	3.87	29.26	6,592.4	200.7	112.5	-196.1	0.00	0.00	0.00
6,700.0	3.87	29.26	6,692.1	206.6	115.8	-201.9	0.00	0.00	0.00
6,800.0	3.87	29.26	6,791.9	212.5	119.1	-207.7	0.00	0.00	0.00
6,900.0	3.87	29.26	6,891.7	218.4	122.4	-213.4	0.00	0.00	0.00
7,000.0	3.87	29.26	6,991.5	224.3	125.7	-219.2	0.00	0.00	0.00
7,100.0	3.87	29.26	7,091.2	230.2	129.0	-224.9	0.00	0.00	0.00
7,200.0	3.87	29.26	7,191.0	236.1	132.3	-230.7	0.00	0.00	0.00
7,300.0	3.87	29.26	7,290.8	242.0	135.6	-236.5	0.00	0.00	0.00
7,400.0	3.87	29.26	7,390.5	247.9	138.9	-242.2	0.00	0.00	0.00
7,500.0	3.87	29.26	7,490.3	253.8	142.2	-248.0	0.00	0.00	0.00
7,600.0	3.87	29.26	7,590.1	259.6	145.5	-253.7	0.00	0.00	0.00
7,700.0	3.87	29.26	7,689.9	265.5	148.8	-259.5	0.00	0.00	0.00
7,800.0	3.87	29.26	7,789.6	271.4	152.1	-265.2	0.00	0.00	0.00
7,900.0	3.87	29.26	7,889.4	277.3	155.4	-271.0	0.00	0.00	0.00
8,000.0	3.87	29.26	7,989.2	283.2	158.7	-276.8	0.00	0.00	0.00
8,100.0	3.87	29.26	8,088.9	289.1	162.0	-282.5	0.00	0.00	0.00
8,200.0	3.87	29.26	8,188.7	295.0	165.3	-288.3	0.00	0.00	0.00
8,300.0	3.87	29.26	8,288.5	300.9	168.6	-294.0	0.00	0.00	0.00
8,400.0	3.87	29.26	8,388.3	306.8	171.9	-299.8	0.00	0.00	0.00
8,500.0	3.87	29.26	8,488.0	312.7	175.2	-305.5	0.00	0.00	0.00
8,600.0	3.87	29.26	8,587.8	318.6	178.5	-311.3	0.00	0.00	0.00
8,700.0	3.87	29.26	8,687.6	324.5	181.8	-317.1	0.00	0.00	0.00
8,800.0	3.87	29.26	8,787.3	330.4	185.1	-322.8	0.00	0.00	0.00
8,900.0	3.87	29.26	8,887.1	336.3	188.4	-328.6	0.00	0.00	0.00
9,000.0	3.87	29.26	8,986.9	342.1	191.7	-334.3	0.00	0.00	0.00
9,100.0	3.87	29.26	9,086.7	348.0	195.0	-340.1	0.00	0.00	0.00
9,200.0	3.87	29.26	9,186.4	353.9	198.3	-345.9	0.00	0.00	0.00
9,300.0	3.87	29.26	9,286.2	359.8	201.6	-351.6	0.00	0.00	0.00
9,400.0	3.87	29.26	9,386.0	365.7	204.9	-357.4	0.00	0.00	0.00
9,500.0	3.87	29.26	9,485.7	371.6	208.2	-363.1	0.00	0.00	0.00
9,600.0	3.87	29.26	9,585.5	377.5	211.5	-368.9	0.00	0.00	0.00
9,700.0	3.87	29.26	9,685.3	383.4	214.8	-374.6	0.00	0.00	0.00
9,800.0	3.87	29.26	9,785.1	389.3	218.1	-380.4	0.00	0.00	0.00
9,900.0	3.87	29.26	9,884.8	395.2	221.4	-386.2	0.00	0.00	0.00
10,000.0	3.87	29.26	9,984.6	401.1	224.7	-391.9	0.00	0.00	0.00
10,100.0	3.87	29.26	10,084.4	407.0	228.0	-397.7	0.00	0.00	0.00
10,200.0	3.87	29.26	10,184.1	412.9	231.3	-403.4	0.00	0.00	0.00
10,300.0	3.87	29.26	10,283.9	418.7	234.6	-409.2	0.00	0.00	0.00
10,400.0	3.87	29.26	10,383.7	424.6	237.9	-415.0	0.00	0.00	0.00
10,500.0	3.87	29.26	10,483.5	430.5	241.2	-420.7	0.00	0.00	0.00
10,600.0	3.87	29.26	10,583.2	436.4	244.5	-426.5	0.00	0.00	0.00



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10,700.0	3.87	29.26	10,683.0	442.3	247.8	-432.2	0.00	0.00	0.00
10,800.0	3.87	29.26	10,782.8	448.2	251.1	-438.0	0.00	0.00	0.00
10,900.0	3.87	29.26	10,882.5	454.1	254.4	-443.7	0.00	0.00	0.00
11,000.0	3.87	29.26	10,982.3	460.0	257.7	-449.5	0.00	0.00	0.00
11,100.0	3.87	29.26	11,082.1	465.9	261.0	-455.3	0.00	0.00	0.00
11,200.0	3.87	29.26	11,181.9	471.8	264.3	-461.0	0.00	0.00	0.00
11,300.0	3.87	29.26	11,281.6	477.7	267.6	-466.8	0.00	0.00	0.00
11,400.0	3.87	29.26	11,381.4	483.6	270.9	-472.5	0.00	0.00	0.00
11,500.0	3.87	29.26	11,481.2	489.5	274.2	-478.3	0.00	0.00	0.00
11,600.0	3.87	29.26	11,581.0	495.4	277.5	-484.0	0.00	0.00	0.00
11,700.0	3.87	29.26	11,680.7	501.2	280.8	-489.8	0.00	0.00	0.00
11,800.0	3.87	29.26	11,780.5	507.1	284.1	-495.6	0.00	0.00	0.00
11,900.0	3.87	29.26	11,880.3	513.0	287.4	-501.3	0.00	0.00	0.00
12,008.8	3.87	29.26	11,988.8	519.4	291.0	-507.6	0.00	0.00	0.00
12,025.0	2.39	53.12	12,005.0	520.1	291.6	-508.2	12.00	-9.16	147.12
12,050.0	2.49	129.07	12,030.0	520.1	292.4	-508.2	12.00	0.40	303.82
12,075.0	4.97	156.89	12,054.9	518.8	293.2	-506.8	12.00	9.92	111.26
12,100.0	7.82	165.45	12,079.8	516.1	294.1	-504.1	12.00	11.41	34.24
12,125.0	10.75	169.41	12,104.4	512.2	294.9	-500.2	12.00	11.73	15.84
12,150.0	13.71	171.68	12,128.9	506.9	295.8	-494.9	12.00	11.85	9.09
12,175.0	16.69	173.16	12,153.0	500.4	296.7	-488.4	12.00	11.90	5.90
12,200.0	19.67	174.19	12,176.7	492.7	297.5	-480.6	12.00	11.93	4.16
12,225.0	22.66	174.97	12,200.0	483.7	298.4	-471.6	12.00	11.95	3.10
12,250.0	25.65	175.57	12,222.9	473.5	299.2	-461.4	12.00	11.96	2.41
12,275.0	28.64	176.06	12,245.1	462.1	300.0	-450.0	12.00	11.97	1.94
12,300.0	31.63	176.46	12,266.7	449.6	300.9	-437.4	12.00	11.97	1.60
12,325.0	34.63	176.79	12,287.7	436.0	301.7	-423.8	12.00	11.98	1.35
12,350.0	37.62	177.08	12,307.8	421.3	302.4	-409.0	12.00	11.98	1.16
12,375.0	40.62	177.34	12,327.2	405.5	303.2	-393.3	12.00	11.98	1.01
12,400.0	43.62	177.56	12,345.8	388.8	304.0	-376.5	12.00	11.98	0.89
12,425.0	46.61	177.76	12,363.4	371.1	304.7	-358.8	12.00	11.99	0.80
12,450.0	49.61	177.94	12,380.1	352.5	305.4	-340.2	12.00	11.99	0.73
12,475.0	52.61	178.11	12,395.8	333.0	306.0	-320.7	12.00	11.99	0.66
12,500.0	55.60	178.26	12,410.5	312.8	306.7	-300.5	12.00	11.99	0.61
12,525.0	58.60	178.40	12,424.0	291.8	307.3	-279.5	12.00	11.99	0.57
12,550.0	61.60	178.54	12,436.5	270.1	307.9	-257.8	12.00	11.99	0.54
12,575.0	64.60	178.66	12,447.8	247.9	308.4	-235.5	12.00	11.99	0.51
12,600.0	67.60	178.78	12,457.9	225.0	308.9	-212.7	12.00	11.99	0.48
12,625.0	70.59	178.90	12,466.9	201.7	309.4	-189.3	12.00	11.99	0.46
12,650.0	73.59	179.01	12,474.5	177.9	309.8	-165.6	12.00	11.99	0.44
12,675.0	76.59	179.12	12,481.0	153.7	310.2	-141.4	12.00	11.99	0.43
12,700.0	79.59	179.22	12,486.1	129.3	310.6	-117.0	12.00	11.99	0.42
12,725.0	82.59	179.33	12,490.0	104.6	310.9	-92.3	12.00	11.99	0.41
12,750.0	85.58	179.43	12,492.6	79.7	311.2	-67.4	12.00	11.99	0.41
12,775.0	88.58	179.53	12,493.9	54.8	311.4	-42.5	12.00	11.99	0.40
12,786.8	90.00	179.58	12,494.0	42.9	311.5	-30.6	12.00	11.99	0.40
12,800.0	90.00	179.58	12,494.0	29.8	311.6	-17.5	0.00	0.00	0.00
12,900.0	90.00	179.58	12,494.0	-70.2	312.3	82.5	0.00	0.00	0.00
13,000.0	90.00	179.58	12,494.0	-170.2	313.1	182.4	0.00	0.00	0.00
13,100.0	90.00	179.58	12,494.0	-270.2	313.8	282.4	0.00	0.00	0.00
13,200.0	90.00	179.58	12,494.0	-370.2	314.5	382.3	0.00	0.00	0.00
13,300.0	90.00	179.58	12,494.0	-470.2	315.3	482.3	0.00	0.00	0.00
13,400.0	90.00	179.58	12,494.0	-570.2	316.0	582.2	0.00	0.00	0.00
13,500.0	90.00	179.58	12,494.0	-670.2	316.8	682.2	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Convoy 28 State Com
Well: #705H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference: KB = 25 @ 3545.0usft
MD Reference: KB = 25 @ 3545.0usft
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	-770.2	317.5	782.1	0.00	0.00	0.00
13,700.0	90.00	179.58	12,494.0	-870.2	318.2	882.1	0.00	0.00	0.00
13,800.0	90.00	179.58	12,494.0	-970.2	319.0	982.0	0.00	0.00	0.00
13,900.0	90.00	179.58	12,494.0	-1,070.2	319.7	1,082.0	0.00	0.00	0.00
14,000.0	90.00	179.58	12,494.0	-1,170.2	320.5	1,181.9	0.00	0.00	0.00
14,100.0	90.00	179.58	12,494.0	-1,270.2	321.2	1,281.9	0.00	0.00	0.00
14,200.0	90.00	179.58	12,494.0	-1,370.2	321.9	1,381.8	0.00	0.00	0.00
14,300.0	90.00	179.58	12,494.0	-1,470.2	322.7	1,481.8	0.00	0.00	0.00
14,400.0	90.00	179.58	12,494.0	-1,570.2	323.4	1,581.7	0.00	0.00	0.00
14,500.0	90.00	179.58	12,494.0	-1,670.2	324.2	1,681.7	0.00	0.00	0.00
14,600.0	90.00	179.58	12,494.0	-1,770.2	324.9	1,781.6	0.00	0.00	0.00
14,700.0	90.00	179.58	12,494.0	-1,870.2	325.6	1,881.6	0.00	0.00	0.00
14,800.0	90.00	179.58	12,494.0	-1,970.2	326.4	1,981.5	0.00	0.00	0.00
14,900.0	90.00	179.58	12,494.0	-2,070.2	327.1	2,081.5	0.00	0.00	0.00
15,000.0	90.00	179.58	12,494.0	-2,170.2	327.9	2,181.4	0.00	0.00	0.00
15,100.0	90.00	179.58	12,494.0	-2,270.2	328.6	2,281.4	0.00	0.00	0.00
15,200.0	90.00	179.58	12,494.0	-2,370.2	329.3	2,381.3	0.00	0.00	0.00
15,300.0	90.00	179.58	12,494.0	-2,470.2	330.1	2,481.3	0.00	0.00	0.00
15,400.0	90.00	179.58	12,494.0	-2,570.2	330.8	2,581.2	0.00	0.00	0.00
15,500.0	90.00	179.58	12,494.0	-2,670.2	331.6	2,681.2	0.00	0.00	0.00
15,600.0	90.00	179.58	12,494.0	-2,770.2	332.3	2,781.1	0.00	0.00	0.00
15,700.0	90.00	179.58	12,494.0	-2,870.2	333.0	2,881.0	0.00	0.00	0.00
15,800.0	90.00	179.58	12,494.0	-2,970.2	333.8	2,981.0	0.00	0.00	0.00
15,900.0	90.00	179.58	12,494.0	-3,070.2	334.5	3,080.9	0.00	0.00	0.00
16,000.0	90.00	179.58	12,494.0	-3,170.2	335.3	3,180.9	0.00	0.00	0.00
16,100.0	90.00	179.58	12,494.0	-3,270.2	336.0	3,280.8	0.00	0.00	0.00
16,200.0	90.00	179.58	12,494.0	-3,370.2	336.8	3,380.8	0.00	0.00	0.00
16,300.0	90.00	179.58	12,494.0	-3,470.2	337.5	3,480.7	0.00	0.00	0.00
16,400.0	90.00	179.58	12,494.0	-3,570.1	338.2	3,580.7	0.00	0.00	0.00
16,500.0	90.00	179.58	12,494.0	-3,670.1	339.0	3,680.6	0.00	0.00	0.00
16,600.0	90.00	179.58	12,494.0	-3,770.1	339.7	3,780.6	0.00	0.00	0.00
16,700.0	90.00	179.58	12,494.0	-3,870.1	340.5	3,880.5	0.00	0.00	0.00
16,800.0	90.00	179.58	12,494.0	-3,970.1	341.2	3,980.5	0.00	0.00	0.00
16,900.0	90.00	179.58	12,494.0	-4,070.1	341.9	4,080.4	0.00	0.00	0.00
17,000.0	90.00	179.58	12,494.0	-4,170.1	342.7	4,180.4	0.00	0.00	0.00
17,100.0	90.00	179.58	12,494.0	-4,270.1	343.4	4,280.3	0.00	0.00	0.00
17,200.0	90.00	179.58	12,494.0	-4,370.1	344.2	4,380.3	0.00	0.00	0.00
17,300.0	90.00	179.58	12,494.0	-4,470.1	344.9	4,480.2	0.00	0.00	0.00
17,400.0	90.00	179.58	12,494.0	-4,570.1	345.6	4,580.2	0.00	0.00	0.00
17,500.0	90.00	179.58	12,494.0	-4,670.1	346.4	4,680.1	0.00	0.00	0.00
17,600.0	90.00	179.58	12,494.0	-4,770.1	347.1	4,780.1	0.00	0.00	0.00
17,700.0	90.00	179.58	12,494.0	-4,870.1	347.9	4,880.0	0.00	0.00	0.00
17,800.0	90.00	179.58	12,494.0	-4,970.1	348.6	4,980.0	0.00	0.00	0.00
17,900.0	90.00	179.58	12,494.0	-5,070.1	349.3	5,079.9	0.00	0.00	0.00
18,000.0	90.00	179.58	12,494.0	-5,170.1	350.1	5,179.9	0.00	0.00	0.00
18,100.0	90.00	179.58	12,494.0	-5,270.1	350.8	5,279.8	0.00	0.00	0.00
18,200.0	90.00	179.58	12,494.0	-5,370.1	351.6	5,379.8	0.00	0.00	0.00
18,300.0	90.00	179.58	12,494.0	-5,470.1	352.3	5,479.7	0.00	0.00	0.00
18,400.0	90.00	179.58	12,494.0	-5,570.1	353.0	5,579.7	0.00	0.00	0.00
18,500.0	90.00	179.58	12,494.0	-5,670.1	353.8	5,679.6	0.00	0.00	0.00
18,600.0	90.00	179.58	12,494.0	-5,770.1	354.5	5,779.6	0.00	0.00	0.00
18,700.0	90.00	179.58	12,494.0	-5,870.1	355.3	5,879.5	0.00	0.00	0.00
18,800.0	90.00	179.58	12,494.0	-5,970.1	356.0	5,979.5	0.00	0.00	0.00
18,900.0	90.00	179.58	12,494.0	-6,070.1	356.7	6,079.4	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: #705H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #705H
TVD Reference: KB = 25 @ 3545.0usft
MD Reference: KB = 25 @ 3545.0usft
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	12,494.0	-6,170.1	357.5	6,179.4	0.00	0.00	0.00
19,100.0	90.00	179.58	12,494.0	-6,270.1	358.2	6,279.3	0.00	0.00	0.00
19,200.0	90.00	179.58	12,494.0	-6,370.1	359.0	6,379.3	0.00	0.00	0.00
19,300.0	90.00	179.58	12,494.0	-6,470.1	359.7	6,479.2	0.00	0.00	0.00
19,400.0	90.00	179.58	12,494.0	-6,570.1	360.4	6,579.2	0.00	0.00	0.00
19,500.0	90.00	179.58	12,494.0	-6,670.1	361.2	6,679.1	0.00	0.00	0.00
19,600.0	90.00	179.58	12,494.0	-6,770.1	361.9	6,779.1	0.00	0.00	0.00
19,700.0	90.00	179.58	12,494.0	-6,870.1	362.7	6,879.0	0.00	0.00	0.00
19,800.0	90.00	179.58	12,494.0	-6,970.1	363.4	6,979.0	0.00	0.00	0.00
19,900.0	90.00	179.58	12,494.0	-7,070.1	364.1	7,078.9	0.00	0.00	0.00
20,000.0	90.00	179.58	12,494.0	-7,170.0	364.9	7,178.9	0.00	0.00	0.00
20,100.0	90.00	179.58	12,494.0	-7,270.0	365.6	7,278.8	0.00	0.00	0.00
20,200.0	90.00	179.58	12,494.0	-7,370.0	366.4	7,378.8	0.00	0.00	0.00
20,300.0	90.00	179.58	12,494.0	-7,470.0	367.1	7,478.7	0.00	0.00	0.00
20,400.0	90.00	179.58	12,494.0	-7,570.0	367.8	7,578.6	0.00	0.00	0.00
20,500.0	90.00	179.58	12,494.0	-7,670.0	368.6	7,678.6	0.00	0.00	0.00
20,600.0	90.00	179.58	12,494.0	-7,770.0	369.3	7,778.5	0.00	0.00	0.00
20,700.0	90.00	179.58	12,494.0	-7,870.0	370.1	7,878.5	0.00	0.00	0.00
20,800.0	90.00	179.58	12,494.0	-7,970.0	370.8	7,978.4	0.00	0.00	0.00
20,900.0	90.00	179.58	12,494.0	-8,070.0	371.5	8,078.4	0.00	0.00	0.00
21,000.0	90.00	179.58	12,494.0	-8,170.0	372.3	8,178.3	0.00	0.00	0.00
21,100.0	90.00	179.58	12,494.0	-8,270.0	373.0	8,278.3	0.00	0.00	0.00
21,200.0	90.00	179.58	12,494.0	-8,370.0	373.8	8,378.2	0.00	0.00	0.00
21,300.0	90.00	179.58	12,494.0	-8,470.0	374.5	8,478.2	0.00	0.00	0.00
21,400.0	90.00	179.58	12,494.0	-8,570.0	375.2	8,578.1	0.00	0.00	0.00
21,500.0	90.00	179.58	12,494.0	-8,670.0	376.0	8,678.1	0.00	0.00	0.00
21,600.0	90.00	179.58	12,494.0	-8,770.0	376.7	8,778.0	0.00	0.00	0.00
21,700.0	90.00	179.58	12,494.0	-8,870.0	377.5	8,878.0	0.00	0.00	0.00
21,800.0	90.00	179.58	12,494.0	-8,970.0	378.2	8,977.9	0.00	0.00	0.00
21,900.0	90.00	179.58	12,494.0	-9,070.0	379.0	9,077.9	0.00	0.00	0.00
22,000.0	90.00	179.58	12,494.0	-9,170.0	379.7	9,177.8	0.00	0.00	0.00
22,100.0	90.00	179.58	12,494.0	-9,270.0	380.4	9,277.8	0.00	0.00	0.00
22,200.0	90.00	179.58	12,494.0	-9,370.0	381.2	9,377.7	0.00	0.00	0.00
22,300.0	90.00	179.58	12,494.0	-9,470.0	381.9	9,477.7	0.00	0.00	0.00
22,400.0	90.00	179.58	12,494.0	-9,570.0	382.7	9,577.6	0.00	0.00	0.00
22,500.0	90.00	179.58	12,494.0	-9,670.0	383.4	9,677.6	0.00	0.00	0.00
22,582.0	90.00	179.58	12,494.0	-9,752.0	384.0	9,759.6	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 #1 - plan misses target center by 40.2usft at 12598.2usft MD (12457.2 TVD, 226.7 N, 308.9 E) - Point	0.00	0.00	12,494.0	243.0	310.0	435,490.00	775,850.00	32° 11' 41.881 N	103° 34' 30.768 W
PBHL(Con 28 ST Com #1 - plan hits target center - Point	0.00	0.00	12,494.0	-9,752.0	384.0	425,495.00	775,924.00	32° 10' 2.972 N	103° 34' 30.726 W