



HOBBS OCD
APR 26 2019
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EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Durango 2 State

#701H

OH

Plan: Plan #0.1

Standard Planning Report

04 April, 2019



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Durango 2 State
Well: #701H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #701H
TVD Reference: KB = 25' @ 3503.0usft
MD Reference: KB = 25' @ 3503.0usft
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		Durango 2 State			
Site Position:		Northing:	425,051.00 usft	Latitude:	32° 9' 58.041 N
From:	Map	Easting:	783,515.00 usft	Longitude:	103° 33' 2.454 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.42 °

Well	#701H					
Well Position	+N/-S	0.0 usft	Northing:	425,051.00 usft	Latitude:	32° 9' 58.041 N
	+E/-W	0.0 usft	Easting:	783,515.00 usft	Longitude:	103° 33' 2.454 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,478.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2015	4/4/2019	6.74	59.99	47,720.83400382

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	179.27

Plan Survey Tool Program			Date	4/4/2019	
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	17,432.6 Plan #0.1 (OH)	MWD		
			OWSG MWD - Standard		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Bulld 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	
3,067.1	1.34	7.94	3,067.1	0.8	0.1	2.00	2.00	0.00	7.94	
11,966.9	1.34	7.94	11,964.4	207.2	28.9	0.00	0.00	0.00	0.00	
12,034.0	0.00	0.00	12,031.5	208.0	29.0	2.00	-2.00	0.00	180.00	KOP(Durango 2 State
12,783.9	90.00	179.62	12,509.0	-269.5	32.2	12.00	12.00	23.95	179.62	
17,432.6	90.00	179.62	12,509.0	-4,918.0	63.0	0.00	0.00	0.00	0.00	PBHL(Durango 2 Stat



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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)
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
3,067.1	1.34	7.94	3,067.1	0.8	0.1	-0.8	2.00	2.00	0.00
3,100.0	1.34	7.94	3,100.0	1.5	0.2	-1.5	0.00	0.00	0.00
3,200.0	1.34	7.94	3,200.0	3.9	0.5	-3.9	0.00	0.00	0.00
3,300.0	1.34	7.94	3,299.9	6.2	0.9	-6.2	0.00	0.00	0.00
3,400.0	1.34	7.94	3,399.9	8.5	1.2	-8.5	0.00	0.00	0.00
3,500.0	1.34	7.94	3,499.9	10.8	1.5	-10.8	0.00	0.00	0.00
3,600.0	1.34	7.94	3,599.8	13.1	1.8	-13.1	0.00	0.00	0.00
3,700.0	1.34	7.94	3,699.8	15.5	2.2	-15.4	0.00	0.00	0.00
3,800.0	1.34	7.94	3,799.8	17.8	2.5	-17.7	0.00	0.00	0.00
3,900.0	1.34	7.94	3,899.8	20.1	2.8	-20.1	0.00	0.00	0.00
4,000.0	1.34	7.94	3,999.7	22.4	3.1	-22.4	0.00	0.00	0.00
4,100.0	1.34	7.94	4,099.7	24.7	3.4	-24.7	0.00	0.00	0.00
4,200.0	1.34	7.94	4,199.7	27.1	3.8	-27.0	0.00	0.00	0.00
4,300.0	1.34	7.94	4,299.7	29.4	4.1	-29.3	0.00	0.00	0.00
4,400.0	1.34	7.94	4,399.6	31.7	4.4	-31.6	0.00	0.00	0.00
4,500.0	1.34	7.94	4,499.6	34.0	4.7	-34.0	0.00	0.00	0.00
4,600.0	1.34	7.94	4,599.6	36.3	5.1	-36.3	0.00	0.00	0.00
4,700.0	1.34	7.94	4,699.5	38.7	5.4	-38.6	0.00	0.00	0.00
4,800.0	1.34	7.94	4,799.5	41.0	5.7	-40.9	0.00	0.00	0.00
4,900.0	1.34	7.94	4,899.5	43.3	6.0	-43.2	0.00	0.00	0.00
5,000.0	1.34	7.94	4,999.5	45.6	6.4	-45.5	0.00	0.00	0.00
5,100.0	1.34	7.94	5,099.4	47.9	6.7	-47.8	0.00	0.00	0.00
5,200.0	1.34	7.94	5,199.4	50.3	7.0	-50.2	0.00	0.00	0.00



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5,300.0	1.34	7.94	5,299.4	52.6	7.3	-52.5	0.00	0.00	0.00
5,400.0	1.34	7.94	5,399.4	54.9	7.7	-54.8	0.00	0.00	0.00
5,500.0	1.34	7.94	5,499.3	57.2	8.0	-57.1	0.00	0.00	0.00
5,600.0	1.34	7.94	5,599.3	59.5	8.3	-59.4	0.00	0.00	0.00
5,700.0	1.34	7.94	5,699.3	61.9	8.6	-61.7	0.00	0.00	0.00
5,800.0	1.34	7.94	5,799.2	64.2	8.9	-64.1	0.00	0.00	0.00
5,900.0	1.34	7.94	5,899.2	66.5	9.3	-66.4	0.00	0.00	0.00
6,000.0	1.34	7.94	5,999.2	68.8	9.6	-68.7	0.00	0.00	0.00
6,100.0	1.34	7.94	6,099.2	71.1	9.9	-71.0	0.00	0.00	0.00
6,200.0	1.34	7.94	6,199.1	73.5	10.2	-73.3	0.00	0.00	0.00
6,300.0	1.34	7.94	6,299.1	75.8	10.6	-75.6	0.00	0.00	0.00
6,400.0	1.34	7.94	6,399.1	78.1	10.9	-77.9	0.00	0.00	0.00
6,500.0	1.34	7.94	6,499.1	80.4	11.2	-80.3	0.00	0.00	0.00
6,600.0	1.34	7.94	6,599.0	82.7	11.5	-82.6	0.00	0.00	0.00
6,700.0	1.34	7.94	6,699.0	85.0	11.9	-84.9	0.00	0.00	0.00
6,800.0	1.34	7.94	6,799.0	87.4	12.2	-87.2	0.00	0.00	0.00
6,900.0	1.34	7.94	6,898.9	89.7	12.5	-89.5	0.00	0.00	0.00
7,000.0	1.34	7.94	6,998.9	92.0	12.8	-91.8	0.00	0.00	0.00
7,100.0	1.34	7.94	7,098.9	94.3	13.2	-94.2	0.00	0.00	0.00
7,200.0	1.34	7.94	7,198.9	96.6	13.5	-96.5	0.00	0.00	0.00
7,300.0	1.34	7.94	7,298.8	99.0	13.8	-98.8	0.00	0.00	0.00
7,400.0	1.34	7.94	7,398.8	101.3	14.1	-101.1	0.00	0.00	0.00
7,500.0	1.34	7.94	7,498.8	103.6	14.4	-103.4	0.00	0.00	0.00
7,600.0	1.34	7.94	7,598.8	105.9	14.8	-105.7	0.00	0.00	0.00
7,700.0	1.34	7.94	7,698.7	108.2	15.1	-108.0	0.00	0.00	0.00
7,800.0	1.34	7.94	7,798.7	110.6	15.4	-110.4	0.00	0.00	0.00
7,900.0	1.34	7.94	7,898.7	112.9	15.7	-112.7	0.00	0.00	0.00
8,000.0	1.34	7.94	7,998.6	115.2	16.1	-115.0	0.00	0.00	0.00
8,100.0	1.34	7.94	8,098.6	117.5	16.4	-117.3	0.00	0.00	0.00
8,200.0	1.34	7.94	8,198.6	119.8	16.7	-119.6	0.00	0.00	0.00
8,300.0	1.34	7.94	8,298.6	122.2	17.0	-121.9	0.00	0.00	0.00
8,400.0	1.34	7.94	8,398.5	124.5	17.4	-124.3	0.00	0.00	0.00
8,500.0	1.34	7.94	8,498.5	126.8	17.7	-126.6	0.00	0.00	0.00
8,600.0	1.34	7.94	8,598.5	129.1	18.0	-128.9	0.00	0.00	0.00
8,700.0	1.34	7.94	8,698.4	131.4	18.3	-131.2	0.00	0.00	0.00
8,800.0	1.34	7.94	8,798.4	133.8	18.6	-133.5	0.00	0.00	0.00
8,900.0	1.34	7.94	8,898.4	136.1	19.0	-135.8	0.00	0.00	0.00
9,000.0	1.34	7.94	8,998.4	138.4	19.3	-138.1	0.00	0.00	0.00
9,100.0	1.34	7.94	9,098.3	140.7	19.6	-140.5	0.00	0.00	0.00
9,200.0	1.34	7.94	9,198.3	143.0	19.9	-142.8	0.00	0.00	0.00
9,300.0	1.34	7.94	9,298.3	145.4	20.3	-145.1	0.00	0.00	0.00
9,400.0	1.34	7.94	9,398.3	147.7	20.6	-147.4	0.00	0.00	0.00
9,500.0	1.34	7.94	9,498.2	150.0	20.9	-149.7	0.00	0.00	0.00
9,600.0	1.34	7.94	9,598.2	152.3	21.2	-152.0	0.00	0.00	0.00
9,700.0	1.34	7.94	9,698.2	154.6	21.6	-154.3	0.00	0.00	0.00
9,800.0	1.34	7.94	9,798.1	157.0	21.9	-156.7	0.00	0.00	0.00
9,900.0	1.34	7.94	9,898.1	159.3	22.2	-159.0	0.00	0.00	0.00
10,000.0	1.34	7.94	9,998.1	161.6	22.5	-161.3	0.00	0.00	0.00
10,100.0	1.34	7.94	10,098.1	163.9	22.9	-163.6	0.00	0.00	0.00
10,200.0	1.34	7.94	10,198.0	166.2	23.2	-165.9	0.00	0.00	0.00
10,300.0	1.34	7.94	10,298.0	168.6	23.5	-168.2	0.00	0.00	0.00
10,400.0	1.34	7.94	10,398.0	170.9	23.8	-170.6	0.00	0.00	0.00
10,500.0	1.34	7.94	10,498.0	173.2	24.1	-172.9	0.00	0.00	0.00
10,600.0	1.34	7.94	10,597.9	175.5	24.5	-175.2	0.00	0.00	0.00



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10,700.0	1.34	7.94	10,697.9	177.8	24.8	-177.5	0.00	0.00	0.00
10,800.0	1.34	7.94	10,797.9	180.2	25.1	-179.8	0.00	0.00	0.00
10,900.0	1.34	7.94	10,897.8	182.5	25.4	-182.1	0.00	0.00	0.00
11,000.0	1.34	7.94	10,997.8	184.8	25.8	-184.4	0.00	0.00	0.00
11,100.0	1.34	7.94	11,097.8	187.1	26.1	-186.8	0.00	0.00	0.00
11,200.0	1.34	7.94	11,197.8	189.4	26.4	-189.1	0.00	0.00	0.00
11,300.0	1.34	7.94	11,297.7	191.8	26.7	-191.4	0.00	0.00	0.00
11,400.0	1.34	7.94	11,397.7	194.1	27.1	-193.7	0.00	0.00	0.00
11,500.0	1.34	7.94	11,497.7	196.4	27.4	-196.0	0.00	0.00	0.00
11,600.0	1.34	7.94	11,597.7	198.7	27.7	-198.3	0.00	0.00	0.00
11,700.0	1.34	7.94	11,697.6	201.0	28.0	-200.7	0.00	0.00	0.00
11,800.0	1.34	7.94	11,797.6	203.4	28.4	-203.0	0.00	0.00	0.00
11,900.0	1.34	7.94	11,897.6	205.7	28.7	-205.3	0.00	0.00	0.00
11,966.9	1.34	7.94	11,964.4	207.2	28.9	-206.8	0.00	0.00	0.00
12,000.0	0.68	7.94	11,997.5	207.8	29.0	-207.4	2.00	-2.00	0.00
12,034.0	0.00	0.00	12,031.5	208.0	29.0	-207.6	2.00	-2.00	0.00
12,050.0	1.93	179.62	12,047.5	207.7	29.0	-207.3	12.00	12.00	0.00
12,075.0	4.93	179.62	12,072.5	206.2	29.0	-205.8	12.00	12.00	0.00
12,100.0	7.93	179.62	12,097.3	203.4	29.0	-203.1	12.00	12.00	0.00
12,125.0	10.93	179.62	12,122.0	199.3	29.1	-199.0	12.00	12.00	0.00
12,150.0	13.93	179.62	12,146.4	194.0	29.1	-193.6	12.00	12.00	0.00
12,175.0	16.93	179.62	12,170.5	187.3	29.1	-186.9	12.00	12.00	0.00
12,200.0	19.93	179.62	12,194.2	179.4	29.2	-179.0	12.00	12.00	0.00
12,225.0	22.93	179.62	12,217.5	170.3	29.3	-169.9	12.00	12.00	0.00
12,250.0	25.93	179.62	12,240.2	160.0	29.3	-159.6	12.00	12.00	0.00
12,275.0	28.93	179.62	12,262.4	148.4	29.4	-148.0	12.00	12.00	0.00
12,300.0	31.93	179.62	12,284.0	135.8	29.5	-135.4	12.00	12.00	0.00
12,325.0	34.93	179.62	12,304.9	122.0	29.6	-121.6	12.00	12.00	0.00
12,350.0	37.93	179.62	12,325.0	107.2	29.7	-106.8	12.00	12.00	0.00
12,375.0	40.93	179.62	12,344.3	91.3	29.8	-90.9	12.00	12.00	0.00
12,400.0	43.93	179.62	12,362.7	74.4	29.9	-74.0	12.00	12.00	0.00
12,425.0	46.93	179.62	12,380.3	56.6	30.0	-56.2	12.00	12.00	0.00
12,450.0	49.93	179.62	12,396.9	37.9	30.1	-37.5	12.00	12.00	0.00
12,475.0	52.93	179.62	12,412.4	18.4	30.3	-18.0	12.00	12.00	0.00
12,500.0	55.93	179.62	12,427.0	-2.0	30.4	2.3	12.00	12.00	0.00
12,525.0	58.93	179.62	12,440.4	-23.0	30.5	23.4	12.00	12.00	0.00
12,550.0	61.93	179.62	12,452.8	-44.8	30.7	45.1	12.00	12.00	0.00
12,575.0	64.93	179.62	12,464.0	-67.1	30.8	67.5	12.00	12.00	0.00
12,600.0	67.93	179.62	12,474.0	-90.0	31.0	90.4	12.00	12.00	0.00
12,625.0	70.93	179.62	12,482.7	-113.4	31.1	113.8	12.00	12.00	0.00
12,650.0	73.93	179.62	12,490.3	-137.3	31.3	137.6	12.00	12.00	0.00
12,675.0	76.93	179.62	12,496.6	-161.4	31.5	161.8	12.00	12.00	0.00
12,700.0	79.93	179.62	12,501.6	-185.9	31.6	186.3	12.00	12.00	0.00
12,725.0	82.93	179.62	12,505.3	-210.7	31.8	211.0	12.00	12.00	0.00
12,750.0	85.93	179.62	12,507.8	-235.5	31.9	235.9	12.00	12.00	0.00
12,775.0	88.93	179.62	12,508.9	-260.5	32.1	260.9	12.00	12.00	0.00
12,783.9	90.00	179.62	12,509.0	-269.5	32.2	269.8	12.00	12.00	0.00
12,800.0	90.00	179.62	12,509.0	-285.5	32.3	285.9	0.00	0.00	0.00
12,900.0	90.00	179.62	12,509.0	-385.5	32.9	385.9	0.00	0.00	0.00
13,000.0	90.00	179.62	12,509.0	-485.5	33.6	485.9	0.00	0.00	0.00
13,100.0	90.00	179.62	12,509.0	-585.5	34.3	585.9	0.00	0.00	0.00
13,200.0	90.00	179.62	12,509.0	-685.5	34.9	685.9	0.00	0.00	0.00
13,300.0	90.00	179.62	12,509.0	-785.5	35.6	785.9	0.00	0.00	0.00
13,400.0	90.00	179.62	12,509.0	-885.5	36.3	885.9	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Durango 2 State
 Well: #701H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #701H
 TVD Reference: KB = 25' @ 3503.0usft
 MD Reference: KB = 25' @ 3503.0usft
 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)
13,500.0	90.00	179.62	12,509.0	-985.5	36.9	985.9	0.00	0.00	0.00
13,600.0	90.00	179.62	12,509.0	-1,085.5	37.6	1,085.9	0.00	0.00	0.00
13,700.0	90.00	179.62	12,509.0	-1,185.5	38.2	1,185.9	0.00	0.00	0.00
13,800.0	90.00	179.62	12,509.0	-1,285.5	38.9	1,285.9	0.00	0.00	0.00
13,900.0	90.00	179.62	12,509.0	-1,385.5	39.6	1,385.9	0.00	0.00	0.00
14,000.0	90.00	179.62	12,509.0	-1,485.5	40.2	1,485.9	0.00	0.00	0.00
14,100.0	90.00	179.62	12,509.0	-1,585.5	40.9	1,585.9	0.00	0.00	0.00
14,200.0	90.00	179.62	12,509.0	-1,685.5	41.6	1,685.9	0.00	0.00	0.00
14,300.0	90.00	179.62	12,509.0	-1,785.5	42.2	1,785.9	0.00	0.00	0.00
14,400.0	90.00	179.62	12,509.0	-1,885.5	42.9	1,885.9	0.00	0.00	0.00
14,500.0	90.00	179.62	12,509.0	-1,985.5	43.5	1,985.9	0.00	0.00	0.00
14,600.0	90.00	179.62	12,509.0	-2,085.5	44.2	2,085.9	0.00	0.00	0.00
14,700.0	90.00	179.62	12,509.0	-2,185.5	44.9	2,185.9	0.00	0.00	0.00
14,800.0	90.00	179.62	12,509.0	-2,285.5	45.5	2,285.9	0.00	0.00	0.00
14,900.0	90.00	179.62	12,509.0	-2,385.5	46.2	2,385.9	0.00	0.00	0.00
15,000.0	90.00	179.62	12,509.0	-2,485.5	46.9	2,485.8	0.00	0.00	0.00
15,100.0	90.00	179.62	12,509.0	-2,585.4	47.5	2,585.8	0.00	0.00	0.00
15,200.0	90.00	179.62	12,509.0	-2,685.4	48.2	2,685.8	0.00	0.00	0.00
15,300.0	90.00	179.62	12,509.0	-2,785.4	48.9	2,785.8	0.00	0.00	0.00
15,400.0	90.00	179.62	12,509.0	-2,885.4	49.5	2,885.8	0.00	0.00	0.00
15,500.0	90.00	179.62	12,509.0	-2,985.4	50.2	2,985.8	0.00	0.00	0.00
15,600.0	90.00	179.62	12,509.0	-3,085.4	50.8	3,085.8	0.00	0.00	0.00
15,700.0	90.00	179.62	12,509.0	-3,185.4	51.5	3,185.8	0.00	0.00	0.00
15,800.0	90.00	179.62	12,509.0	-3,285.4	52.2	3,285.8	0.00	0.00	0.00
15,900.0	90.00	179.62	12,509.0	-3,385.4	52.8	3,385.8	0.00	0.00	0.00
16,000.0	90.00	179.62	12,509.0	-3,485.4	53.5	3,485.8	0.00	0.00	0.00
16,100.0	90.00	179.62	12,509.0	-3,585.4	54.2	3,585.8	0.00	0.00	0.00
16,200.0	90.00	179.62	12,509.0	-3,685.4	54.8	3,685.8	0.00	0.00	0.00
16,300.0	90.00	179.62	12,509.0	-3,785.4	55.5	3,785.8	0.00	0.00	0.00
16,400.0	90.00	179.62	12,509.0	-3,885.4	56.2	3,885.8	0.00	0.00	0.00
16,500.0	90.00	179.62	12,509.0	-3,985.4	56.8	3,985.8	0.00	0.00	0.00
16,600.0	90.00	179.62	12,509.0	-4,085.4	57.5	4,085.8	0.00	0.00	0.00
16,700.0	90.00	179.62	12,509.0	-4,185.4	58.1	4,185.8	0.00	0.00	0.00
16,800.0	90.00	179.62	12,509.0	-4,285.4	58.8	4,285.8	0.00	0.00	0.00
16,900.0	90.00	179.62	12,509.0	-4,385.4	59.5	4,385.8	0.00	0.00	0.00
17,000.0	90.00	179.62	12,509.0	-4,485.4	60.1	4,485.8	0.00	0.00	0.00
17,100.0	90.00	179.62	12,509.0	-4,585.4	60.8	4,585.8	0.00	0.00	0.00
17,200.0	90.00	179.62	12,509.0	-4,685.4	61.5	4,685.8	0.00	0.00	0.00
17,300.0	90.00	179.62	12,509.0	-4,785.4	62.1	4,785.8	0.00	0.00	0.00
17,400.0	90.00	179.62	12,509.0	-4,885.4	62.8	4,885.8	0.00	0.00	0.00
17,432.6	90.00	179.62	12,509.0	-4,918.0	63.0	4,918.4	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #701H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3503.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3503.0usft
Site:	Durango 2 State	North Reference:	Grid
Well:	#701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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
KOP(Durango 2 State #: - plan hits target center - Point	0.00	0.00	12,031.5	208.0	29.0	425,259.00	783,544.00	32° 10' 0.097 N	103° 33' 2.099 W
FTP(Durango 2 State #7 - plan misses target center by 163.4usft at 12434.6usft MD (12386.7 TVD, 49.6 N, 30.1 E) - Point	0.00	0.00	12,509.0	158.0	29.0	425,209.00	783,544.00	32° 9' 59.602 N	103° 33' 2.103 W
PBHL(Durango 2 State # - plan hits target center - Point	0.00	0.00	12,509.0	-4,918.0	63.0	420,133.00	783,578.00	32° 9' 9.372 N	103° 33' 2.137 W