



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Date 14 State Com

#602H

74369

OH

Plan: Design #3

Standard Planning Report

27 September, 2019



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #802H
Company:	EOG Resources - Midland	TVD Reference:	KB= 25' @ 3811.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB= 25' @ 3811.0usft
Site:	Date 14 State Com	North Reference:	Grid
Well:	#802H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #3		

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:	Date 14 State Com		
Site Position:	From: Map	Northing:	536,428.00 usft
		Easting:	786,265.00 usft
		Latitude:	32° 28' 19.914 N
		Longitude:	103° 32' 20.860 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"
		Grid Convergence:	0.43°

Well:	#802H		
Well Position	+N-S	0.0 usft	Northing:
	+E-W	0.0 usft	Easting:
			Latitude:
			Longitude:
Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level:

Wellbore:	OH		
Magnetics:	Model Name	Sample Date	Declination
	IGRF2015	9/13/2019	6.71
			Dip Angle
			Field Strength

Design:	Design #3		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			355.54

Plan Survey Tool Program	Date:	9/27/2019	
Depth From	Depth To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
1	0.0	21,121.8 Design #3 (OH)	MWD
			OWSG 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	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,432.6	4.65	255.43	1,432.3	-2.4	-9.1	2.00	2.00	0.00	255.43	
10,219.4	4.65	255.43	10,190.2	-181.6	-698.8	0.00	0.00	0.00	0.00	
10,452.0	0.00	0.00	10,422.5	-184.0	-708.0	2.00	-2.00	0.00	180.00 KOP (Date 14 SC 60	
11,202.0	90.00	359.54	10,900.0	293.4	-711.9	12.00	12.00	-0.08	359.54	
21,121.8	90.00	359.54	10,900.0	10,213.0	-792.0	0.00	0.00	0.00	0.00 PBHL (Date 14 SC 61	



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Site:	Date 14 State Corn	North Reference:	Grid
Well:	#602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #3		

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	2.00	255.43	1,300.0	-0.4	-1.7	-0.3	2.00	2.00	0.00
1,400.0	4.00	255.43	1,399.8	-1.8	-8.8	-1.2	2.00	2.00	0.00
1,432.6	4.65	255.43	1,432.3	-2.4	-8.1	-1.7	2.00	2.00	0.00
1,500.0	4.65	255.43	1,499.5	-3.7	-14.4	-2.6	0.00	0.00	0.00
1,600.0	4.65	255.43	1,599.2	-5.8	-22.3	-4.0	0.00	0.00	0.00
1,700.0	4.65	255.43	1,698.9	-7.8	-30.1	-5.5	0.00	0.00	0.00
1,800.0	4.65	255.43	1,798.5	-9.9	-38.0	-8.9	0.00	0.00	0.00
1,900.0	4.65	255.43	1,898.2	-11.9	-45.8	-8.3	0.00	0.00	0.00
2,000.0	4.65	255.43	1,997.9	-13.9	-53.7	-9.7	0.00	0.00	0.00
2,100.0	4.65	255.43	2,097.5	-16.0	-61.5	-11.2	0.00	0.00	0.00
2,200.0	4.65	255.43	2,197.2	-18.0	-69.4	-12.6	0.00	0.00	0.00
2,300.0	4.65	255.43	2,296.9	-20.1	-77.2	-14.0	0.00	0.00	0.00
2,400.0	4.65	255.43	2,396.6	-22.1	-85.1	-15.4	0.00	0.00	0.00
2,500.0	4.65	255.43	2,496.2	-24.1	-92.9	-16.8	0.00	0.00	0.00
2,600.0	4.65	255.43	2,595.9	-26.2	-100.8	-18.3	0.00	0.00	0.00
2,700.0	4.65	255.43	2,695.6	-28.2	-108.6	-19.7	0.00	0.00	0.00
2,800.0	4.65	255.43	2,795.2	-30.3	-116.5	-21.1	0.00	0.00	0.00
2,900.0	4.65	255.43	2,894.9	-32.3	-124.3	-22.5	0.00	0.00	0.00
3,000.0	4.65	255.43	2,994.6	-34.3	-132.2	-24.0	0.00	0.00	0.00
3,100.0	4.65	255.43	3,094.3	-36.4	-140.0	-25.4	0.00	0.00	0.00
3,200.0	4.65	255.43	3,193.9	-38.4	-147.9	-26.8	0.00	0.00	0.00
3,300.0	4.65	255.43	3,293.6	-40.5	-155.7	-28.2	0.00	0.00	0.00
3,400.0	4.65	255.43	3,393.3	-42.5	-163.6	-29.7	0.00	0.00	0.00
3,500.0	4.65	255.43	3,492.9	-44.5	-171.4	-31.1	0.00	0.00	0.00
3,600.0	4.65	255.43	3,592.6	-46.6	-179.3	-32.5	0.00	0.00	0.00
3,700.0	4.65	255.43	3,692.3	-48.6	-187.1	-33.9	0.00	0.00	0.00
3,800.0	4.65	255.43	3,791.9	-50.7	-195.0	-35.4	0.00	0.00	0.00
3,900.0	4.65	255.43	3,891.6	-52.7	-202.8	-36.8	0.00	0.00	0.00
4,000.0	4.65	255.43	3,991.3	-54.7	-210.7	-38.2	0.00	0.00	0.00
4,100.0	4.65	255.43	4,091.0	-56.8	-218.5	-39.6	0.00	0.00	0.00
4,200.0	4.65	255.43	4,190.6	-58.8	-226.4	-41.0	0.00	0.00	0.00
4,300.0	4.65	255.43	4,290.3	-60.9	-234.2	-42.5	0.00	0.00	0.00
4,400.0	4.65	255.43	4,390.0	-62.9	-242.1	-43.9	0.00	0.00	0.00
4,500.0	4.65	255.43	4,489.6	-64.9	-249.9	-45.3	0.00	0.00	0.00
4,600.0	4.65	255.43	4,589.3	-67.0	-257.8	-46.7	0.00	0.00	0.00
4,700.0	4.65	255.43	4,689.0	-69.0	-265.6	-48.2	0.00	0.00	0.00
4,800.0	4.65	255.43	4,788.7	-71.1	-273.5	-49.6	0.00	0.00	0.00
4,900.0	4.65	255.43	4,888.3	-73.1	-281.3	-51.0	0.00	0.00	0.00
5,000.0	4.65	255.43	4,988.0	-75.1	-289.2	-52.4	0.00	0.00	0.00
5,100.0	4.65	255.43	5,087.7	-77.2	-297.0	-53.9	0.00	0.00	0.00
5,200.0	4.65	255.43	5,187.3	-79.2	-304.9	-55.3	0.00	0.00	0.00



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Site:	Date 14 State Com.	North Reference:	Grid
Well:	#802H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #3		

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	4.85	255.43	5,287.0	-81.3	-312.7	-58.7	0.00	0.00	0.00
5,400.0	4.65	255.43	5,386.7	-83.3	-320.6	-58.1	0.00	0.00	0.00
5,500.0	4.65	255.43	5,486.3	-85.3	-328.4	-59.5	0.00	0.00	0.00
5,600.0	4.85	255.43	5,586.0	-87.4	-336.3	-61.0	0.00	0.00	0.00
5,700.0	4.65	255.43	5,685.7	-89.4	-344.1	-62.4	0.00	0.00	0.00
5,800.0	4.65	255.43	5,785.4	-91.5	-352.0	-63.8	0.00	0.00	0.00
5,900.0	4.65	255.43	5,885.0	-93.5	-359.8	-65.2	0.00	0.00	0.00
6,000.0	4.65	255.43	5,984.7	-95.6	-367.7	-66.7	0.00	0.00	0.00
6,100.0	4.65	255.43	6,084.4	-97.6	-375.5	-68.1	0.00	0.00	0.00
6,200.0	4.85	255.43	6,184.0	-99.6	-383.4	-69.5	0.00	0.00	0.00
6,300.0	4.85	255.43	6,283.7	-101.7	-391.2	-70.9	0.00	0.00	0.00
6,400.0	4.65	255.43	6,383.4	-103.7	-399.1	-72.4	0.00	0.00	0.00
6,500.0	4.65	255.43	6,483.1	-105.8	-408.9	-73.8	0.00	0.00	0.00
6,600.0	4.65	255.43	6,582.7	-107.8	-414.8	-75.2	0.00	0.00	0.00
6,700.0	4.65	255.43	6,682.4	-109.8	-422.6	-76.6	0.00	0.00	0.00
6,800.0	4.65	255.43	6,782.1	-111.9	-430.5	-78.0	0.00	0.00	0.00
6,900.0	4.65	255.43	6,881.7	-113.9	-438.3	-79.5	0.00	0.00	0.00
7,000.0	4.65	255.43	6,981.4	-116.0	-446.2	-80.9	0.00	0.00	0.00
7,100.0	4.65	255.43	7,081.1	-118.0	-454.0	-82.3	0.00	0.00	0.00
7,200.0	4.85	255.43	7,180.7	-120.0	-461.9	-83.7	0.00	0.00	0.00
7,300.0	4.65	255.43	7,280.4	-122.1	-469.7	-85.2	0.00	0.00	0.00
7,400.0	4.65	255.43	7,380.1	-124.1	-477.6	-86.6	0.00	0.00	0.00
7,500.0	4.65	255.43	7,479.8	-126.2	-485.4	-88.0	0.00	0.00	0.00
7,600.0	4.65	255.43	7,579.4	-128.2	-493.3	-89.4	0.00	0.00	0.00
7,700.0	4.65	255.43	7,679.1	-130.2	-501.1	-90.9	0.00	0.00	0.00
7,800.0	4.65	255.43	7,778.8	-132.3	-509.0	-92.3	0.00	0.00	0.00
7,900.0	4.65	255.43	7,878.4	-134.3	-516.8	-93.7	0.00	0.00	0.00
8,000.0	4.65	255.43	7,978.1	-136.4	-524.7	-95.1	0.00	0.00	0.00
8,100.0	4.65	255.43	8,077.8	-138.4	-532.5	-96.6	0.00	0.00	0.00
8,200.0	4.65	255.43	8,177.5	-140.4	-540.4	-98.0	0.00	0.00	0.00
8,300.0	4.65	255.43	8,277.1	-142.5	-548.2	-99.4	0.00	0.00	0.00
8,400.0	4.65	255.43	8,376.8	-144.5	-556.1	-100.8	0.00	0.00	0.00
8,500.0	4.65	255.43	8,476.5	-146.6	-563.9	-102.2	0.00	0.00	0.00
8,600.0	4.65	255.43	8,576.1	-148.6	-571.8	-103.7	0.00	0.00	0.00
8,700.0	4.65	255.43	8,675.8	-150.6	-579.6	-105.1	0.00	0.00	0.00
8,800.0	4.65	255.43	8,775.5	-152.7	-587.5	-106.5	0.00	0.00	0.00
8,900.0	4.65	255.43	8,875.1	-154.7	-595.3	-107.9	0.00	0.00	0.00
9,000.0	4.65	255.43	8,974.8	-156.8	-603.2	-109.4	0.00	0.00	0.00
9,100.0	4.65	255.43	9,074.5	-158.8	-611.0	-110.8	0.00	0.00	0.00
9,200.0	4.65	255.43	9,174.2	-160.8	-618.8	-112.2	0.00	0.00	0.00
9,300.0	4.65	255.43	9,273.8	-162.9	-626.7	-113.6	0.00	0.00	0.00
9,400.0	4.65	255.43	9,373.5	-164.9	-634.5	-115.1	0.00	0.00	0.00
9,500.0	4.65	255.43	9,473.2	-167.0	-642.4	-116.5	0.00	0.00	0.00
9,600.0	4.65	255.43	9,572.8	-169.0	-650.2	-117.9	0.00	0.00	0.00
9,700.0	4.65	255.43	9,672.5	-171.0	-658.1	-119.3	0.00	0.00	0.00
9,800.0	4.65	255.43	9,772.2	-173.1	-665.9	-120.7	0.00	0.00	0.00
9,900.0	4.65	255.43	9,871.8	-175.1	-673.8	-122.2	0.00	0.00	0.00
10,000.0	4.65	255.43	9,971.5	-177.2	-681.6	-123.6	0.00	0.00	0.00
10,100.0	4.65	255.43	10,071.2	-179.2	-689.5	-125.0	0.00	0.00	0.00
10,200.0	4.65	255.43	10,170.9	-181.2	-697.3	-126.4	0.00	0.00	0.00
10,219.4	4.65	255.43	10,190.2	-181.6	-698.9	-126.7	0.00	0.00	0.00
10,300.0	3.04	255.43	10,270.6	-183.0	-704.1	-127.7	2.00	-2.00	0.00
10,400.0	1.04	255.43	10,370.5	-183.9	-707.5	-128.3	2.00	-2.00	0.00
10,452.0	0.00	0.00	10,422.5	-184.0	-708.0	-128.4	2.00	-2.00	0.00



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Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB= 25' @ 3811.0usft
Site:	Date 14 State Com	North Reference:	Grid
Well:	#802H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Built Rate (°/100usft)	Turn Rate (°/100usft)
10,475.0	2.77	359.54	10,445.5	-183.4	-708.0	-127.8	12.00	12.00	0.00
10,500.0	5.77	359.54	10,470.5	-181.8	-708.0	-126.0	12.00	12.00	0.00
10,525.0	8.77	359.54	10,495.3	-178.4	-708.0	-122.8	12.00	12.00	0.00
10,550.0	11.77	359.54	10,519.9	-174.0	-708.1	-118.4	12.00	12.00	0.00
10,575.0	14.77	359.54	10,544.2	-168.2	-708.1	-112.6	12.00	12.00	0.00
10,600.0	17.77	359.54	10,568.2	-161.2	-708.2	-105.7	12.00	12.00	0.00
10,625.0	20.77	359.54	10,591.8	-153.0	-708.3	-97.4	12.00	12.00	0.00
10,650.0	23.77	359.54	10,614.9	-143.5	-708.3	-88.0	12.00	12.00	0.00
10,675.0	26.77	359.54	10,637.5	-132.8	-708.4	-77.3	12.00	12.00	0.00
10,700.0	29.77	359.54	10,659.5	-121.0	-708.5	-65.5	12.00	12.00	0.00
10,725.0	32.77	359.54	10,680.9	-108.0	-708.6	-52.8	12.00	12.00	0.00
10,750.0	35.77	359.54	10,701.6	-94.0	-708.7	-38.8	12.00	12.00	0.00
10,775.0	38.77	359.54	10,721.5	-78.8	-708.8	-23.5	12.00	12.00	0.00
10,800.0	41.77	359.54	10,740.5	-62.7	-709.0	-7.3	12.00	12.00	0.00
10,825.0	44.77	359.54	10,758.7	-45.5	-709.1	9.8	12.00	12.00	0.00
10,850.0	47.77	359.54	10,776.0	-27.5	-709.3	27.8	12.00	12.00	0.00
10,875.0	50.77	359.54	10,792.3	-8.5	-709.4	46.7	12.00	12.00	0.00
10,900.0	53.77	359.54	10,807.6	11.2	-709.6	66.4	12.00	12.00	0.00
10,925.0	56.77	359.54	10,821.9	31.8	-709.7	86.9	12.00	12.00	0.00
10,950.0	59.77	359.54	10,835.0	53.0	-709.9	108.1	12.00	12.00	0.00
10,975.0	62.77	359.54	10,847.0	74.9	-710.1	130.0	12.00	12.00	0.00
11,000.0	65.77	359.54	10,857.9	97.5	-710.3	152.4	12.00	12.00	0.00
11,025.0	68.77	359.54	10,867.5	120.5	-710.5	175.4	12.00	12.00	0.00
11,050.0	71.77	359.54	10,876.0	144.0	-710.7	198.9	12.00	12.00	0.00
11,075.0	74.77	359.54	10,883.2	168.0	-710.8	222.8	12.00	12.00	0.00
11,100.0	77.77	359.54	10,889.1	192.3	-711.0	247.0	12.00	12.00	0.00
11,125.0	80.77	359.54	10,893.8	216.8	-711.2	271.5	12.00	12.00	0.00
11,150.0	83.77	359.54	10,897.1	241.6	-711.4	296.2	12.00	12.00	0.00
11,175.0	86.77	359.54	10,899.2	266.5	-711.6	321.1	12.00	12.00	0.00
11,202.0	90.00	359.54	10,900.0	293.4	-711.9	347.9	12.00	12.00	0.00
11,300.0	90.00	359.54	10,900.0	391.5	-712.8	445.7	0.00	0.00	0.00
11,400.0	90.00	359.54	10,900.0	491.5	-713.5	545.5	0.00	0.00	0.00
11,500.0	90.00	359.54	10,900.0	591.5	-714.3	645.2	0.00	0.00	0.00
11,600.0	90.00	359.54	10,900.0	691.5	-715.1	745.0	0.00	0.00	0.00
11,700.0	90.00	359.54	10,900.0	791.5	-715.9	844.8	0.00	0.00	0.00
11,800.0	90.00	359.54	10,900.0	891.5	-716.7	944.5	0.00	0.00	0.00
11,900.0	90.00	359.54	10,900.0	991.5	-717.5	1,044.3	0.00	0.00	0.00
12,000.0	90.00	359.54	10,900.0	1,091.5	-718.3	1,144.0	0.00	0.00	0.00
12,100.0	90.00	359.54	10,900.0	1,191.5	-719.1	1,243.8	0.00	0.00	0.00
12,200.0	90.00	359.54	10,900.0	1,291.5	-719.9	1,343.5	0.00	0.00	0.00
12,300.0	90.00	359.54	10,900.0	1,391.5	-720.7	1,443.3	0.00	0.00	0.00
12,400.0	90.00	359.54	10,900.0	1,491.5	-721.5	1,543.1	0.00	0.00	0.00
12,500.0	90.00	359.54	10,900.0	1,591.4	-722.3	1,642.8	0.00	0.00	0.00
12,600.0	90.00	359.54	10,900.0	1,691.4	-723.2	1,742.6	0.00	0.00	0.00
12,700.0	90.00	359.54	10,900.0	1,791.4	-724.0	1,842.3	0.00	0.00	0.00
12,800.0	90.00	359.54	10,900.0	1,891.4	-724.8	1,942.1	0.00	0.00	0.00
12,900.0	90.00	359.54	10,900.0	1,991.4	-725.6	2,041.8	0.00	0.00	0.00
13,000.0	90.00	359.54	10,900.0	2,091.4	-726.4	2,141.6	0.00	0.00	0.00
13,100.0	90.00	359.54	10,900.0	2,191.4	-727.2	2,241.4	0.00	0.00	0.00
13,200.0	90.00	359.54	10,900.0	2,291.4	-728.0	2,341.1	0.00	0.00	0.00
13,300.0	90.00	359.54	10,900.0	2,391.4	-728.8	2,440.9	0.00	0.00	0.00
13,400.0	90.00	359.54	10,900.0	2,491.4	-729.6	2,540.8	0.00	0.00	0.00
13,500.0	90.00	359.54	10,900.0	2,591.4	-730.4	2,640.4	0.00	0.00	0.00
13,600.0	90.00	359.54	10,900.0	2,691.4	-731.2	2,740.1	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #802H
Company:	EOG Resources - Midland	TVD Reference:	KB= 25' @ 3811.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB= 25' @ 3811.0usft
Site:	Date 14 State Com.	North Reference:	Grid
Well:	#802H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #3		

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)	
13,700.0	90.00	359.54	10,900.0	2,781.4	-732.0	2,839.9	0.00	0.00	0.00	
13,800.0	90.00	359.54	10,900.0	2,891.4	-732.8	2,839.6	0.00	0.00	0.00	
13,900.0	90.00	359.54	10,900.0	2,981.4	-733.7	3,039.4	0.00	0.00	0.00	
14,000.0	90.00	359.54	10,900.0	3,081.4	-734.5	3,139.2	0.00	0.00	0.00	
14,100.0	90.00	359.54	10,900.0	3,191.4	-735.3	3,238.9	0.00	0.00	0.00	
14,200.0	90.00	359.54	10,900.0	3,291.4	-736.1	3,338.7	0.00	0.00	0.00	
14,300.0	90.00	359.54	10,900.0	3,391.4	-736.9	3,438.4	0.00	0.00	0.00	
14,400.0	90.00	359.54	10,900.0	3,491.4	-737.7	3,538.2	0.00	0.00	0.00	
14,500.0	90.00	359.54	10,900.0	3,591.4	-738.5	3,637.9	0.00	0.00	0.00	
14,600.0	90.00	359.54	10,900.0	3,691.4	-739.3	3,737.7	0.00	0.00	0.00	
14,700.0	90.00	359.54	10,900.0	3,791.4	-740.1	3,837.5	0.00	0.00	0.00	
14,800.0	90.00	359.54	10,900.0	3,891.4	-740.9	3,937.2	0.00	0.00	0.00	
14,900.0	90.00	359.54	10,900.0	3,991.4	-741.7	4,037.0	0.00	0.00	0.00	
15,000.0	90.00	359.54	10,900.0	4,091.4	-742.5	4,136.7	0.00	0.00	0.00	
15,100.0	90.00	359.54	10,900.0	4,191.4	-743.3	4,236.5	0.00	0.00	0.00	
15,200.0	90.00	359.54	10,900.0	4,291.4	-744.2	4,336.2	0.00	0.00	0.00	
15,300.0	90.00	359.54	10,900.0	4,391.4	-745.0	4,436.0	0.00	0.00	0.00	
15,400.0	90.00	359.54	10,900.0	4,491.4	-745.8	4,535.8	0.00	0.00	0.00	
15,500.0	90.00	359.54	10,900.0	4,591.4	-746.6	4,635.5	0.00	0.00	0.00	
15,600.0	90.00	359.54	10,900.0	4,691.3	-747.4	4,735.3	0.00	0.00	0.00	
15,700.0	90.00	359.54	10,900.0	4,791.3	-748.2	4,835.0	0.00	0.00	0.00	
15,800.0	90.00	359.54	10,900.0	4,891.3	-749.0	4,934.8	0.00	0.00	0.00	
15,900.0	90.00	359.54	10,900.0	4,991.3	-749.8	5,034.5	0.00	0.00	0.00	
16,000.0	90.00	359.54	10,900.0	5,091.3	-750.6	5,134.3	0.00	0.00	0.00	
16,100.0	90.00	359.54	10,900.0	5,191.3	-751.4	5,234.1	0.00	0.00	0.00	
16,200.0	90.00	359.54	10,900.0	5,291.3	-752.2	5,333.8	0.00	0.00	0.00	
16,300.0	90.00	359.54	10,900.0	5,391.3	-753.0	5,433.6	0.00	0.00	0.00	
16,400.0	90.00	359.54	10,900.0	5,491.3	-753.9	5,533.3	0.00	0.00	0.00	
16,500.0	90.00	359.54	10,900.0	5,591.3	-754.7	5,633.1	0.00	0.00	0.00	
16,600.0	90.00	359.54	10,900.0	5,691.3	-755.5	5,732.8	0.00	0.00	0.00	
16,700.0	90.00	359.54	10,900.0	5,791.3	-756.3	5,832.6	0.00	0.00	0.00	
16,800.0	90.00	359.54	10,900.0	5,891.3	-757.1	5,932.3	0.00	0.00	0.00	
16,900.0	90.00	359.54	10,900.0	5,991.3	-757.9	6,032.1	0.00	0.00	0.00	
17,000.0	90.00	359.54	10,900.0	6,091.3	-758.7	6,131.9	0.00	0.00	0.00	
17,100.0	90.00	359.54	10,900.0	6,191.3	-759.5	6,231.6	0.00	0.00	0.00	
17,200.0	90.00	359.54	10,900.0	6,291.3	-760.3	6,331.4	0.00	0.00	0.00	
17,300.0	90.00	359.54	10,900.0	6,391.3	-761.1	6,431.1	0.00	0.00	0.00	
17,400.0	90.00	359.54	10,900.0	6,491.3	-761.9	6,530.9	0.00	0.00	0.00	
17,500.0	90.00	359.54	10,900.0	6,591.3	-762.7	6,630.6	0.00	0.00	0.00	
17,600.0	90.00	359.54	10,900.0	6,691.3	-763.5	6,730.4	0.00	0.00	0.00	
17,700.0	90.00	359.54	10,900.0	6,791.3	-764.4	6,830.2	0.00	0.00	0.00	
17,800.0	90.00	359.54	10,900.0	6,891.3	-765.2	6,929.9	0.00	0.00	0.00	
17,900.0	90.00	359.54	10,900.0	6,991.3	-766.0	7,029.7	0.00	0.00	0.00	
18,000.0	90.00	359.54	10,900.0	7,091.3	-766.8	7,129.4	0.00	0.00	0.00	
18,100.0	90.00	359.54	10,900.0	7,191.3	-767.6	7,229.2	0.00	0.00	0.00	
18,200.0	90.00	359.54	10,900.0	7,291.3	-768.4	7,328.9	0.00	0.00	0.00	
18,300.0	90.00	359.54	10,900.0	7,391.3	-769.2	7,428.7	0.00	0.00	0.00	
18,400.0	90.00	359.54	10,900.0	7,491.3	-770.0	7,528.5	0.00	0.00	0.00	
18,500.0	90.00	359.54	10,900.0	7,591.3	-770.8	7,628.2	0.00	0.00	0.00	
18,600.0	90.00	359.54	10,900.0	7,691.2	-771.6	7,728.0	0.00	0.00	0.00	
18,700.0	90.00	359.54	10,900.0	7,791.2	-772.4	7,827.7	0.00	0.00	0.00	
18,800.0	90.00	359.54	10,900.0	7,891.2	-773.2	7,927.5	0.00	0.00	0.00	
18,900.0	90.00	359.54	10,900.0	7,991.2	-774.0	8,027.2	0.00	0.00	0.00	
19,000.0	90.00	359.54	10,900.0	8,091.2	-774.9	8,127.0	0.00	0.00	0.00	



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #602H
Company:	EOG Resources - Midland	TVD Reference:	KB= 25' @ 3811.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB= 25' @ 3811.0usft
Site:	Date 14 State Coin	North Reference:	Grid
Well:	#602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #3		

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)
19,100.0	90.00	359.54	10,900.0	8,191.2	-775.7	8,226.8	0.00	0.00	0.00
19,200.0	90.00	359.54	10,900.0	8,291.2	-776.5	8,328.5	0.00	0.00	0.00
19,300.0	90.00	359.54	10,900.0	8,391.2	-777.3	8,428.3	0.00	0.00	0.00
19,400.0	90.00	359.54	10,900.0	8,491.2	-778.1	8,526.0	0.00	0.00	0.00
19,500.0	90.00	359.54	10,900.0	8,591.2	-778.9	8,625.8	0.00	0.00	0.00
19,600.0	90.00	359.54	10,900.0	8,691.2	-779.7	8,725.5	0.00	0.00	0.00
19,700.0	90.00	359.54	10,900.0	8,791.2	-780.5	8,825.3	0.00	0.00	0.00
19,800.0	90.00	359.54	10,900.0	8,891.2	-781.3	8,925.0	0.00	0.00	0.00
19,900.0	90.00	359.54	10,900.0	8,991.2	-782.1	9,024.8	0.00	0.00	0.00
20,000.0	90.00	359.54	10,900.0	9,091.2	-782.9	9,124.6	0.00	0.00	0.00
20,100.0	90.00	359.54	10,900.0	9,191.2	-783.7	9,224.3	0.00	0.00	0.00
20,200.0	90.00	359.54	10,900.0	9,291.2	-784.6	9,324.1	0.00	0.00	0.00
20,300.0	90.00	359.54	10,900.0	9,391.2	-785.4	9,423.8	0.00	0.00	0.00
20,400.0	90.00	359.54	10,900.0	9,491.2	-786.2	9,523.6	0.00	0.00	0.00
20,500.0	90.00	359.54	10,900.0	9,591.2	-787.0	9,623.3	0.00	0.00	0.00
20,600.0	90.00	359.54	10,900.0	9,691.2	-787.8	9,723.1	0.00	0.00	0.00
20,700.0	90.00	359.54	10,900.0	9,791.2	-788.6	9,822.9	0.00	0.00	0.00
20,800.0	90.00	359.54	10,900.0	9,891.2	-789.4	9,922.6	0.00	0.00	0.00
20,900.0	90.00	359.54	10,900.0	9,991.2	-790.2	10,022.4	0.00	0.00	0.00
21,000.0	90.00	359.54	10,900.0	10,091.2	-791.0	10,122.1	0.00	0.00	0.00
21,100.0	90.00	359.54	10,900.0	10,191.2	-791.8	10,221.9	0.00	0.00	0.00
21,121.8	90.00	359.54	10,900.0	10,213.0	-792.0	10,243.7	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
KOP (Date 14 SC 602H - plan hits target center - Point	0.00	0.00	10,422.5	-184.0	-708.0	536,244.00	785,557.00	32° 28' 18.145 N	103° 32' 28.140 W
PBHL (Date 14 SC 602I - plan hits target center - Point	0.00	0.00	10,900.0	10,213.0	-792.0	546,641.00	785,473.00	32° 30' 1.026 N	103° 32' 29.220 W
FTP (Date 14 SC 602H; - plan misses target center by 163.5usft at 10850.2usft MD (10776.1 TVD, -27.3 N, -709.3 E) - Point	0.00	0.00	10,900.0	-134.0	-708.0	536,284.00	785,557.00	32° 28' 18.640 N	103° 32' 29.136 W

