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DISTRICT II-ARTESIA O.C.D.

EOG Resources - Midland

Eddy County, NM (NAD 83 NME)

Golden Graham 1 State Com

#703H

OH

Plan: Plan #0.1

Standard Planning Report

24 April, 2019



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #703H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 2957.0usft
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 2957.0usft
Site:	Golden Graham 1 State Com	North Reference:	Grid
Well:	#703H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Project	Eddy 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	Golden Graham 1 State Com		
Site Position:	Map	Northing:	387,494.00 usft
From:		Easting:	630,031.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 3' 53.919 N
		Longitude:	104° 2' 49.246 W
		Grid Convergence:	0.15 °

Well	#703H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	1,291.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level:
			2,932.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2015	4/24/2019	6.96
			Dip Angle
			(°)
			Field Strength
			(nT)
			47,607.39438330

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
			(°)
			2.79

Plan Survey Tool Program	Date 4/24/2019		
Depth From	Depth To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
1	0.0	19,828.9 Plan #0.1 (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	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,490.6	3.81	110.07	1,490.5	-2.2	6.0	2.00	2.00	0.00	110.07	
8,970.7	3.81	110.07	8,954.0	-172.8	473.0	0.00	0.00	0.00	0.00	
9,161.3	0.00	0.00	9,144.5	-175.0	479.0	2.00	-2.00	0.00	180.00	KOP(GG 1 SC #703H
9,911.3	90.00	0.10	9,622.0	302.5	479.9	12.00	12.00	0.01	0.10	
19,828.9	90.00	0.10	9,622.0	10,220.0	498.0	0.00	0.00	0.00	0.00	PBHL(GG 1 SC #703H



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Site:	Golden Graham 1 State Com	North Reference:	Grid
Well:	#703H	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	2.00	110.07	1,400.0	-0.6	1.6	-0.5	2.00	2.00	0.00
1,490.6	3.81	110.07	1,490.5	-2.2	6.0	-1.9	2.00	2.00	0.00
1,500.0	3.81	110.07	1,499.8	-2.4	6.5	-2.1	0.00	0.00	0.00
1,600.0	3.81	110.07	1,599.6	-4.7	12.8	-4.0	0.00	0.00	0.00
1,700.0	3.81	110.07	1,699.4	-7.0	19.0	-6.0	0.00	0.00	0.00
1,800.0	3.81	110.07	1,799.2	-9.2	25.3	-8.0	0.00	0.00	0.00
1,900.0	3.81	110.07	1,899.0	-11.5	31.5	-10.0	0.00	0.00	0.00
2,000.0	3.81	110.07	1,998.7	-13.8	37.8	-11.9	0.00	0.00	0.00
2,100.0	3.81	110.07	2,098.5	-16.1	44.0	-13.9	0.00	0.00	0.00
2,200.0	3.81	110.07	2,198.3	-18.4	50.3	-15.9	0.00	0.00	0.00
2,300.0	3.81	110.07	2,298.1	-20.6	56.5	-17.9	0.00	0.00	0.00
2,400.0	3.81	110.07	2,397.8	-22.9	62.7	-19.8	0.00	0.00	0.00
2,500.0	3.81	110.07	2,497.6	-25.2	69.0	-21.8	0.00	0.00	0.00
2,600.0	3.81	110.07	2,597.4	-27.5	75.2	-23.8	0.00	0.00	0.00
2,700.0	3.81	110.07	2,697.2	-29.8	81.5	-25.8	0.00	0.00	0.00
2,800.0	3.81	110.07	2,797.0	-32.0	87.7	-27.7	0.00	0.00	0.00
2,900.0	3.81	110.07	2,896.7	-34.3	94.0	-29.7	0.00	0.00	0.00
3,000.0	3.81	110.07	2,996.5	-36.6	100.2	-31.7	0.00	0.00	0.00
3,100.0	3.81	110.07	3,096.3	-38.9	106.5	-33.7	0.00	0.00	0.00
3,200.0	3.81	110.07	3,196.1	-41.2	112.7	-35.6	0.00	0.00	0.00
3,300.0	3.81	110.07	3,295.9	-43.5	118.9	-37.6	0.00	0.00	0.00
3,400.0	3.81	110.07	3,395.6	-45.7	125.2	-39.6	0.00	0.00	0.00
3,500.0	3.81	110.07	3,495.4	-48.0	131.4	-41.6	0.00	0.00	0.00
3,600.0	3.81	110.07	3,595.2	-50.3	137.7	-43.5	0.00	0.00	0.00
3,700.0	3.81	110.07	3,695.0	-52.6	143.9	-45.5	0.00	0.00	0.00
3,800.0	3.81	110.07	3,794.8	-54.9	150.2	-47.5	0.00	0.00	0.00
3,900.0	3.81	110.07	3,894.5	-57.1	156.4	-49.5	0.00	0.00	0.00
4,000.0	3.81	110.07	3,994.3	-59.4	162.7	-51.4	0.00	0.00	0.00
4,100.0	3.81	110.07	4,094.1	-61.7	168.9	-53.4	0.00	0.00	0.00
4,200.0	3.81	110.07	4,193.9	-64.0	175.1	-55.4	0.00	0.00	0.00
4,300.0	3.81	110.07	4,293.6	-66.3	181.4	-57.4	0.00	0.00	0.00
4,400.0	3.81	110.07	4,393.4	-68.5	187.6	-59.3	0.00	0.00	0.00
4,500.0	3.81	110.07	4,493.2	-70.8	193.9	-61.3	0.00	0.00	0.00
4,600.0	3.81	110.07	4,593.0	-73.1	200.1	-63.3	0.00	0.00	0.00
4,700.0	3.81	110.07	4,692.8	-75.4	206.4	-65.3	0.00	0.00	0.00
4,800.0	3.81	110.07	4,792.5	-77.7	212.6	-67.2	0.00	0.00	0.00
4,900.0	3.81	110.07	4,892.3	-80.0	218.9	-69.2	0.00	0.00	0.00
5,000.0	3.81	110.07	4,992.1	-82.2	225.1	-71.2	0.00	0.00	0.00
5,100.0	3.81	110.07	5,091.9	-84.5	231.3	-73.2	0.00	0.00	0.00
5,200.0	3.81	110.07	5,191.7	-86.8	237.6	-75.1	0.00	0.00	0.00



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 Wellbore: OH
 Design: Plan #0.1

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 TVD Reference: KB = 25 @ 2957.0usft
 MD Reference: KB = 25 @ 2957.0usft
 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	3.81	110.07	5,291.4	-89.1	243.8	-77.1	0.00	0.00	0.00
5,400.0	3.81	110.07	5,391.2	-91.4	250.1	-79.1	0.00	0.00	0.00
5,500.0	3.81	110.07	5,491.0	-93.6	256.3	-81.1	0.00	0.00	0.00
5,600.0	3.81	110.07	5,590.8	-95.9	262.6	-83.0	0.00	0.00	0.00
5,700.0	3.81	110.07	5,690.5	-98.2	268.8	-85.0	0.00	0.00	0.00
5,800.0	3.81	110.07	5,790.3	-100.5	275.1	-87.0	0.00	0.00	0.00
5,900.0	3.81	110.07	5,890.1	-102.8	281.3	-89.0	0.00	0.00	0.00
6,000.0	3.81	110.07	5,989.9	-105.1	287.5	-90.9	0.00	0.00	0.00
6,100.0	3.81	110.07	6,089.7	-107.3	293.8	-92.9	0.00	0.00	0.00
6,200.0	3.81	110.07	6,189.4	-109.6	300.0	-94.9	0.00	0.00	0.00
6,300.0	3.81	110.07	6,289.2	-111.9	306.3	-96.9	0.00	0.00	0.00
6,400.0	3.81	110.07	6,389.0	-114.2	312.5	-98.8	0.00	0.00	0.00
6,500.0	3.81	110.07	6,488.8	-116.5	318.8	-100.8	0.00	0.00	0.00
6,600.0	3.81	110.07	6,588.6	-118.7	325.0	-102.8	0.00	0.00	0.00
6,700.0	3.81	110.07	6,688.3	-121.0	331.3	-104.8	0.00	0.00	0.00
6,800.0	3.81	110.07	6,788.1	-123.3	337.5	-106.7	0.00	0.00	0.00
6,900.0	3.81	110.07	6,887.9	-125.6	343.7	-108.7	0.00	0.00	0.00
7,000.0	3.81	110.07	6,987.7	-127.9	350.0	-110.7	0.00	0.00	0.00
7,100.0	3.81	110.07	7,087.4	-130.1	356.2	-112.7	0.00	0.00	0.00
7,200.0	3.81	110.07	7,187.2	-132.4	362.5	-114.6	0.00	0.00	0.00
7,300.0	3.81	110.07	7,287.0	-134.7	368.7	-116.6	0.00	0.00	0.00
7,400.0	3.81	110.07	7,386.8	-137.0	375.0	-118.6	0.00	0.00	0.00
7,500.0	3.81	110.07	7,486.6	-139.3	381.2	-120.6	0.00	0.00	0.00
7,600.0	3.81	110.07	7,586.3	-141.6	387.5	-122.5	0.00	0.00	0.00
7,700.0	3.81	110.07	7,686.1	-143.8	393.7	-124.5	0.00	0.00	0.00
7,800.0	3.81	110.07	7,785.9	-146.1	399.9	-126.5	0.00	0.00	0.00
7,900.0	3.81	110.07	7,885.7	-148.4	406.2	-128.5	0.00	0.00	0.00
8,000.0	3.81	110.07	7,985.5	-150.7	412.4	-130.4	0.00	0.00	0.00
8,100.0	3.81	110.07	8,085.2	-153.0	418.7	-132.4	0.00	0.00	0.00
8,200.0	3.81	110.07	8,185.0	-155.2	424.9	-134.4	0.00	0.00	0.00
8,300.0	3.81	110.07	8,284.8	-157.5	431.2	-136.4	0.00	0.00	0.00
8,400.0	3.81	110.07	8,384.6	-159.8	437.4	-138.3	0.00	0.00	0.00
8,500.0	3.81	110.07	8,484.4	-162.1	443.7	-140.3	0.00	0.00	0.00
8,600.0	3.81	110.07	8,584.1	-164.4	449.9	-142.3	0.00	0.00	0.00
8,700.0	3.81	110.07	8,683.9	-166.6	456.1	-144.3	0.00	0.00	0.00
8,800.0	3.81	110.07	8,783.7	-168.9	462.4	-146.2	0.00	0.00	0.00
8,900.0	3.81	110.07	8,883.5	-171.2	468.6	-148.2	0.00	0.00	0.00
8,970.7	3.81	110.07	8,954.0	-172.8	473.0	-149.6	0.00	0.00	0.00
9,000.0	3.23	110.07	8,983.3	-173.4	474.7	-150.1	2.00	-2.00	0.00
9,100.0	1.23	110.07	9,083.2	-174.8	478.4	-151.3	2.00	-2.00	0.00
9,161.3	0.00	0.00	9,144.5	-175.0	479.0	-151.5	2.00	-2.00	0.00
KOP(GG 1 SC #703H)									
9,175.0	1.64	0.10	9,158.2	-174.8	479.0	-151.3	12.00	12.00	0.00
9,200.0	4.64	0.10	9,183.1	-173.4	479.0	-149.9	12.00	12.00	0.00
9,225.0	7.64	0.10	9,208.0	-170.8	479.0	-147.2	12.00	12.00	0.00
9,250.0	10.64	0.10	9,232.7	-166.8	479.0	-143.3	12.00	12.00	0.00
9,275.0	13.64	0.10	9,257.1	-161.5	479.0	-138.0	12.00	12.00	0.00
9,300.0	16.64	0.10	9,281.2	-155.0	479.0	-131.5	12.00	12.00	0.00
9,325.0	19.64	0.10	9,305.0	-147.2	479.1	-123.7	12.00	12.00	0.00
9,350.0	22.64	0.10	9,328.3	-138.2	479.1	-114.7	12.00	12.00	0.00
9,375.0	25.64	0.10	9,351.1	-128.0	479.1	-104.5	12.00	12.00	0.00
9,400.0	28.64	0.10	9,373.4	-116.6	479.1	-93.1	12.00	12.00	0.00
9,425.0	31.64	0.10	9,395.0	-104.0	479.1	-80.6	12.00	12.00	0.00



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Wellbore:	OH		
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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)
9,450.0	34.64	0.10	9,415.9	-90.4	479.2	-66.9	12.00	12.00	0.00
9,475.0	37.64	0.10	9,436.1	-75.6	479.2	-52.2	12.00	12.00	0.00
9,500.0	40.64	0.10	9,455.5	-59.8	479.2	-36.4	12.00	12.00	0.00
9,525.0	43.64	0.10	9,474.0	-43.1	479.2	-19.7	12.00	12.00	0.00
9,550.0	46.64	0.10	9,491.6	-25.4	479.3	-2.0	12.00	12.00	0.00
9,575.0	49.64	0.10	9,508.3	-6.7	479.3	16.6	12.00	12.00	0.00
9,600.0	52.64	0.10	9,524.0	12.7	479.3	36.0	12.00	12.00	0.00
9,625.0	55.64	0.10	9,538.7	33.0	479.4	56.3	12.00	12.00	0.00
9,650.0	58.64	0.10	9,552.2	54.0	479.4	77.3	12.00	12.00	0.00
9,675.0	61.64	0.10	9,564.7	75.7	479.5	98.9	12.00	12.00	0.00
9,700.0	64.64	0.10	9,576.0	98.0	479.5	121.2	12.00	12.00	0.00
9,723.2	67.43	0.10	9,585.4	119.2	479.5	142.4	12.00	12.00	0.00
FTP(GG 1 SC #703H)									
9,725.0	67.64	0.10	9,586.1	120.8	479.5	144.0	12.00	12.00	0.00
9,750.0	70.64	0.10	9,595.0	144.2	479.6	167.4	12.00	12.00	0.00
9,775.0	73.64	0.10	9,602.6	168.0	479.6	191.1	12.00	12.00	0.00
9,800.0	76.64	0.10	9,609.0	192.1	479.7	215.3	12.00	12.00	0.00
9,825.0	79.64	0.10	9,614.2	216.6	479.7	239.7	12.00	12.00	0.00
9,850.0	82.64	0.10	9,618.0	241.3	479.8	264.4	12.00	12.00	0.00
9,875.0	85.64	0.10	9,620.6	266.2	479.8	289.2	12.00	12.00	0.00
9,900.0	88.64	0.10	9,621.8	291.1	479.9	314.1	12.00	12.00	0.00
9,911.3	90.00	0.10	9,622.0	302.5	479.9	325.5	12.00	12.00	0.00
10,000.0	90.00	0.10	9,622.0	391.1	480.0	414.0	0.00	0.00	0.00
10,100.0	90.00	0.10	9,622.0	491.1	480.2	513.9	0.00	0.00	0.00
10,200.0	90.00	0.10	9,622.0	591.1	480.4	613.8	0.00	0.00	0.00
10,300.0	90.00	0.10	9,622.0	691.1	480.6	713.7	0.00	0.00	0.00
10,400.0	90.00	0.10	9,622.0	791.1	480.8	813.6	0.00	0.00	0.00
10,500.0	90.00	0.10	9,622.0	891.1	480.9	913.5	0.00	0.00	0.00
10,600.0	90.00	0.10	9,622.0	991.1	481.1	1,013.4	0.00	0.00	0.00
10,700.0	90.00	0.10	9,622.0	1,091.1	481.3	1,113.3	0.00	0.00	0.00
10,800.0	90.00	0.10	9,622.0	1,191.1	481.5	1,213.2	0.00	0.00	0.00
10,900.0	90.00	0.10	9,622.0	1,291.1	481.7	1,313.0	0.00	0.00	0.00
11,000.0	90.00	0.10	9,622.0	1,391.1	481.9	1,412.9	0.00	0.00	0.00
11,100.0	90.00	0.10	9,622.0	1,491.1	482.0	1,512.8	0.00	0.00	0.00
11,200.0	90.00	0.10	9,622.0	1,591.1	482.2	1,612.7	0.00	0.00	0.00
11,300.0	90.00	0.10	9,622.0	1,691.1	482.4	1,712.6	0.00	0.00	0.00
11,400.0	90.00	0.10	9,622.0	1,791.1	482.6	1,812.5	0.00	0.00	0.00
11,500.0	90.00	0.10	9,622.0	1,891.1	482.8	1,912.4	0.00	0.00	0.00
11,600.0	90.00	0.10	9,622.0	1,991.1	483.0	2,012.3	0.00	0.00	0.00
11,700.0	90.00	0.10	9,622.0	2,091.1	483.1	2,112.2	0.00	0.00	0.00
11,800.0	90.00	0.10	9,622.0	2,191.1	483.3	2,212.1	0.00	0.00	0.00
11,900.0	90.00	0.10	9,622.0	2,291.1	483.5	2,311.9	0.00	0.00	0.00
12,000.0	90.00	0.10	9,622.0	2,391.1	483.7	2,411.8	0.00	0.00	0.00
12,100.0	90.00	0.10	9,622.0	2,491.1	483.9	2,511.7	0.00	0.00	0.00
12,200.0	90.00	0.10	9,622.0	2,591.1	484.1	2,611.6	0.00	0.00	0.00
12,300.0	90.00	0.10	9,622.0	2,691.1	484.2	2,711.5	0.00	0.00	0.00
12,400.0	90.00	0.10	9,622.0	2,791.1	484.4	2,811.4	0.00	0.00	0.00
12,500.0	90.00	0.10	9,622.0	2,891.1	484.6	2,911.3	0.00	0.00	0.00
12,600.0	90.00	0.10	9,622.0	2,991.1	484.8	3,011.2	0.00	0.00	0.00
12,700.0	90.00	0.10	9,622.0	3,091.1	485.0	3,111.1	0.00	0.00	0.00
12,800.0	90.00	0.10	9,622.0	3,191.1	485.2	3,211.0	0.00	0.00	0.00
12,900.0	90.00	0.10	9,622.0	3,291.1	485.3	3,310.9	0.00	0.00	0.00
13,000.0	90.00	0.10	9,622.0	3,391.1	485.5	3,410.7	0.00	0.00	0.00
13,100.0	90.00	0.10	9,622.0	3,491.1	485.7	3,510.6	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #703H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 2957.0usft
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 2957.0usft
Site:	Golden Graham 1 State Com	North Reference:	Grid
Well:	#703H	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)
13,200.0	90.00	0.10	9,622.0	3,591.1	485.9	3,610.5	0.00	0.00	0.00
13,300.0	90.00	0.10	9,622.0	3,691.1	486.1	3,710.4	0.00	0.00	0.00
13,400.0	90.00	0.10	9,622.0	3,791.1	486.2	3,810.3	0.00	0.00	0.00
13,500.0	90.00	0.10	9,622.0	3,891.1	486.4	3,910.2	0.00	0.00	0.00
13,600.0	90.00	0.10	9,622.0	3,991.1	486.6	4,010.1	0.00	0.00	0.00
13,700.0	90.00	0.10	9,622.0	4,091.1	486.8	4,110.0	0.00	0.00	0.00
13,800.0	90.00	0.10	9,622.0	4,191.1	487.0	4,209.9	0.00	0.00	0.00
13,900.0	90.00	0.10	9,622.0	4,291.1	487.2	4,309.8	0.00	0.00	0.00
14,000.0	90.00	0.10	9,622.0	4,391.1	487.3	4,409.6	0.00	0.00	0.00
14,100.0	90.00	0.10	9,622.0	4,491.1	487.5	4,509.5	0.00	0.00	0.00
14,200.0	90.00	0.10	9,622.0	4,591.1	487.7	4,609.4	0.00	0.00	0.00
14,300.0	90.00	0.10	9,622.0	4,691.1	487.9	4,709.3	0.00	0.00	0.00
14,400.0	90.00	0.10	9,622.0	4,791.1	488.1	4,809.2	0.00	0.00	0.00
14,500.0	90.00	0.10	9,622.0	4,891.1	488.3	4,909.1	0.00	0.00	0.00
14,600.0	90.00	0.10	9,622.0	4,991.1	488.4	5,009.0	0.00	0.00	0.00
14,700.0	90.00	0.10	9,622.0	5,091.1	488.6	5,108.9	0.00	0.00	0.00
14,800.0	90.00	0.10	9,622.0	5,191.1	488.8	5,208.8	0.00	0.00	0.00
14,900.0	90.00	0.10	9,622.0	5,291.1	489.0	5,308.7	0.00	0.00	0.00
15,000.0	90.00	0.10	9,622.0	5,391.1	489.2	5,408.5	0.00	0.00	0.00
15,100.0	90.00	0.10	9,622.0	5,491.1	489.4	5,508.4	0.00	0.00	0.00
15,200.0	90.00	0.10	9,622.0	5,591.1	489.5	5,608.3	0.00	0.00	0.00
15,300.0	90.00	0.10	9,622.0	5,691.1	489.7	5,708.2	0.00	0.00	0.00
15,400.0	90.00	0.10	9,622.0	5,791.1	489.9	5,808.1	0.00	0.00	0.00
15,500.0	90.00	0.10	9,622.0	5,891.1	490.1	5,908.0	0.00	0.00	0.00
15,600.0	90.00	0.10	9,622.0	5,991.1	490.3	6,007.9	0.00	0.00	0.00
15,700.0	90.00	0.10	9,622.0	6,091.1	490.5	6,107.8	0.00	0.00	0.00
15,800.0	90.00	0.10	9,622.0	6,191.1	490.6	6,207.7	0.00	0.00	0.00
15,900.0	90.00	0.10	9,622.0	6,291.1	490.8	6,307.6	0.00	0.00	0.00
16,000.0	90.00	0.10	9,622.0	6,391.1	491.0	6,407.4	0.00	0.00	0.00
16,100.0	90.00	0.10	9,622.0	6,491.1	491.2	6,507.3	0.00	0.00	0.00
16,200.0	90.00	0.10	9,622.0	6,591.1	491.4	6,607.2	0.00	0.00	0.00
16,300.0	90.00	0.10	9,622.0	6,691.1	491.5	6,707.1	0.00	0.00	0.00
16,400.0	90.00	0.10	9,622.0	6,791.1	491.7	6,807.0	0.00	0.00	0.00
16,500.0	90.00	0.10	9,622.0	6,891.1	491.9	6,906.9	0.00	0.00	0.00
16,600.0	90.00	0.10	9,622.0	6,991.1	492.1	7,006.8	0.00	0.00	0.00
16,700.0	90.00	0.10	9,622.0	7,091.1	492.3	7,106.7	0.00	0.00	0.00
16,800.0	90.00	0.10	9,622.0	7,191.1	492.5	7,206.6	0.00	0.00	0.00
16,900.0	90.00	0.10	9,622.0	7,291.1	492.6	7,306.5	0.00	0.00	0.00
17,000.0	90.00	0.10	9,622.0	7,391.1	492.8	7,406.3	0.00	0.00	0.00
17,100.0	90.00	0.10	9,622.0	7,491.1	493.0	7,506.2	0.00	0.00	0.00
17,200.0	90.00	0.10	9,622.0	7,591.1	493.2	7,606.1	0.00	0.00	0.00
17,300.0	90.00	0.10	9,622.0	7,691.1	493.4	7,706.0	0.00	0.00	0.00
17,400.0	90.00	0.10	9,622.0	7,791.1	493.6	7,805.9	0.00	0.00	0.00
17,500.0	90.00	0.10	9,622.0	7,891.1	493.7	7,905.8	0.00	0.00	0.00
17,600.0	90.00	0.10	9,622.0	7,991.1	493.9	8,005.7	0.00	0.00	0.00
17,700.0	90.00	0.10	9,622.0	8,091.1	494.1	8,105.6	0.00	0.00	0.00
17,800.0	90.00	0.10	9,622.0	8,191.1	494.3	8,205.5	0.00	0.00	0.00
17,900.0	90.00	0.10	9,622.0	8,291.1	494.5	8,305.4	0.00	0.00	0.00
18,000.0	90.00	0.10	9,622.0	8,391.1	494.7	8,405.3	0.00	0.00	0.00
18,100.0	90.00	0.10	9,622.0	8,491.1	494.8	8,505.1	0.00	0.00	0.00
18,200.0	90.00	0.10	9,622.0	8,591.1	495.0	8,605.0	0.00	0.00	0.00
18,300.0	90.00	0.10	9,622.0	8,691.1	495.2	8,704.9	0.00	0.00	0.00
18,400.0	90.00	0.10	9,622.0	8,791.1	495.4	8,804.8	0.00	0.00	0.00
18,500.0	90.00	0.10	9,622.0	8,891.1	495.6	8,904.7	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #703H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 2957.0usft
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 2957.0usft
Site:	Golden Graham 1 State Com	North Reference:	Grid
Well:	#703H	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)
18,600.0	90.00	0.10	9,622.0	8,991.1	495.8	9,004.6	0.00	0.00	0.00
18,700.0	90.00	0.10	9,622.0	9,091.1	495.9	9,104.5	0.00	0.00	0.00
18,800.0	90.00	0.10	9,622.0	9,191.1	496.1	9,204.4	0.00	0.00	0.00
18,900.0	90.00	0.10	9,622.0	9,291.1	496.3	9,304.3	0.00	0.00	0.00
19,000.0	90.00	0.10	9,622.0	9,391.1	496.5	9,404.2	0.00	0.00	0.00
19,100.0	90.00	0.10	9,622.0	9,491.1	496.7	9,504.0	0.00	0.00	0.00
19,200.0	90.00	0.10	9,622.0	9,591.1	496.9	9,603.9	0.00	0.00	0.00
19,300.0	90.00	0.10	9,622.0	9,691.1	497.0	9,703.8	0.00	0.00	0.00
19,400.0	90.00	0.10	9,622.0	9,791.1	497.2	9,803.7	0.00	0.00	0.00
19,500.0	90.00	0.10	9,622.0	9,891.1	497.4	9,903.6	0.00	0.00	0.00
19,600.0	90.00	0.10	9,622.0	9,991.1	497.6	10,003.5	0.00	0.00	0.00
19,700.0	90.00	0.10	9,622.0	10,091.1	497.8	10,103.4	0.00	0.00	0.00
19,800.0	90.00	0.10	9,622.0	10,191.1	497.9	10,203.3	0.00	0.00	0.00
19,828.9	90.00	0.10	9,622.0	10,220.0	498.0	10,232.1	0.00	0.00	0.00

PBHL(GG 1 SC #703H)

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP(GG 1 SC #703H)	0.00	0.00	9,144.5	-175.0	479.0	387,319.00	631,801.00	32° 3' 52.140 N	104° 2' 28.681 W
- plan hits target center									
- Point									
PBHL(GG 1 SC #703H)	0.00	0.00	9,622.0	10,220.0	498.0	397,714.00	631,820.00	32° 5' 35.010 N	104° 2' 28.133 W
- plan hits target center									
- Point									
FTP(GG 1 SC #703H)	0.00	0.00	9,622.0	103.0	479.0	387,597.00	631,801.00	32° 3' 54.891 N	104° 2' 28.672 W
- plan misses target center by 40.0usft at 9723.2usft MD (9585.4 TVD, 119.2 N, 479.5 E)									
- Point									