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DISTRICT II-ARTESIA O.C.D.

EOG Resources - Midland

Eddy County, NM (NAD 83 NME)

Golden Graham 1 State Com

#704H

OH

Plan: Plan #0.1

Standard Planning Report

24 April, 2019

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Eddy County, NM (NAD 83 NME)
 Site: Golden Graham 1 State Com
 Well: #704H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #704H
 TVD Reference: KB = 25 @ 2998.0usft
 MD Reference: KB = 25 @ 2998.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

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	Northings:	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	#704H		
Well Position	+N/-S	162.0 usft	Northings:
	+E/-W	2,614.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	2,973.0 usft
		Latitude:	32° 3' 55.452 N
		Longitude:	104° 2' 18.862 W
		Ground Level:	

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2015	4/24/2019	6.96
			Dip Angle
			(°)
			Field Strength
			(nT)
			47,607.81189333

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
			(°)
			359.90

Plan Survey Tool Program	Date: 4/24/2019		
Depth From	Depth To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
1	0.0	19,868.1 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	
1,422.5	2.45	178.97	1,422.5	-2.6	0.0	2.00	2.00	0.00	178.97	
9,089.1	2.45	178.97	9,082.0	-330.4	6.0	0.00	0.00	0.00	0.00	
9,211.6	0.00	0.00	9,204.5	-333.0	6.0	2.00	-2.00	0.00	180.00	KOP(GG 1 SC #704H)
9,961.6	90.00	359.87	9,982.0	144.5	4.9	12.00	12.00	-0.02	359.87	
19,868.1	90.00	359.87	9,982.0	10,051.0	-18.0	0.00	0.00	0.00	0.00	PBHL(GG 1 SC #704H)



Planning Report

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Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 2998.0usft
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 2998.0usft
Site:	Golden Graham 1 State Com	North Reference:	Grid
Well:	#704H	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	178.97	1,400.0	-1.7	0.0	-1.7	2.00	2.00	0.00
1,422.5	2.45	178.97	1,422.5	-2.6	0.0	-2.6	2.00	2.00	0.00
1,500.0	2.45	178.97	1,499.9	-5.9	0.1	-5.9	0.00	0.00	0.00
1,600.0	2.45	178.97	1,599.8	-10.2	0.2	-10.2	0.00	0.00	0.00
1,700.0	2.45	178.97	1,699.7	-14.5	0.3	-14.5	0.00	0.00	0.00
1,800.0	2.45	178.97	1,799.6	-18.8	0.3	-18.8	0.00	0.00	0.00
1,900.0	2.45	178.97	1,899.5	-23.0	0.4	-23.0	0.00	0.00	0.00
2,000.0	2.45	178.97	1,999.4	-27.3	0.5	-27.3	0.00	0.00	0.00
2,100.0	2.45	178.97	2,099.3	-31.6	0.6	-31.6	0.00	0.00	0.00
2,200.0	2.45	178.97	2,199.3	-35.9	0.6	-35.9	0.00	0.00	0.00
2,300.0	2.45	178.97	2,299.2	-40.1	0.7	-40.1	0.00	0.00	0.00
2,400.0	2.45	178.97	2,399.1	-44.4	0.8	-44.4	0.00	0.00	0.00
2,500.0	2.45	178.97	2,499.0	-48.7	0.9	-48.7	0.00	0.00	0.00
2,600.0	2.45	178.97	2,598.9	-53.0	1.0	-53.0	0.00	0.00	0.00
2,700.0	2.45	178.97	2,698.8	-57.2	1.0	-57.2	0.00	0.00	0.00
2,800.0	2.45	178.97	2,798.7	-61.5	1.1	-61.5	0.00	0.00	0.00
2,900.0	2.45	178.97	2,898.6	-65.8	1.2	-65.8	0.00	0.00	0.00
3,000.0	2.45	178.97	2,998.5	-70.1	1.3	-70.1	0.00	0.00	0.00
3,100.0	2.45	178.97	3,098.4	-74.3	1.3	-74.3	0.00	0.00	0.00
3,200.0	2.45	178.97	3,198.3	-78.6	1.4	-78.6	0.00	0.00	0.00
3,300.0	2.45	178.97	3,298.2	-82.9	1.5	-82.9	0.00	0.00	0.00
3,400.0	2.45	178.97	3,398.2	-87.2	1.6	-87.2	0.00	0.00	0.00
3,500.0	2.45	178.97	3,498.1	-91.4	1.6	-91.4	0.00	0.00	0.00
3,600.0	2.45	178.97	3,598.0	-95.7	1.7	-95.7	0.00	0.00	0.00
3,700.0	2.45	178.97	3,697.9	-100.0	1.8	-100.0	0.00	0.00	0.00
3,800.0	2.45	178.97	3,797.8	-104.3	1.9	-104.3	0.00	0.00	0.00
3,900.0	2.45	178.97	3,897.7	-108.5	2.0	-108.5	0.00	0.00	0.00
4,000.0	2.45	178.97	3,997.6	-112.8	2.0	-112.8	0.00	0.00	0.00
4,100.0	2.45	178.97	4,097.5	-117.1	2.1	-117.1	0.00	0.00	0.00
4,200.0	2.45	178.97	4,197.4	-121.4	2.2	-121.4	0.00	0.00	0.00
4,300.0	2.45	178.97	4,297.3	-125.6	2.3	-125.6	0.00	0.00	0.00
4,400.0	2.45	178.97	4,397.2	-129.9	2.3	-129.9	0.00	0.00	0.00
4,500.0	2.45	178.97	4,497.1	-134.2	2.4	-134.2	0.00	0.00	0.00
4,600.0	2.45	178.97	4,597.1	-138.5	2.5	-138.5	0.00	0.00	0.00
4,700.0	2.45	178.97	4,697.0	-142.7	2.6	-142.7	0.00	0.00	0.00
4,800.0	2.45	178.97	4,796.9	-147.0	2.6	-147.0	0.00	0.00	0.00
4,900.0	2.45	178.97	4,896.8	-151.3	2.7	-151.3	0.00	0.00	0.00
5,000.0	2.45	178.97	4,996.7	-155.6	2.8	-155.6	0.00	0.00	0.00
5,100.0	2.45	178.97	5,096.6	-159.8	2.9	-159.8	0.00	0.00	0.00
5,200.0	2.45	178.97	5,196.5	-164.1	3.0	-164.1	0.00	0.00	0.00



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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)
5,300.0	2.45	178.97	5,296.4	-168.4	3.0	-168.4	0.00	0.00	0.00
5,400.0	2.45	178.97	5,396.3	-172.7	3.1	-172.7	0.00	0.00	0.00
5,500.0	2.45	178.97	5,496.2	-176.9	3.2	-176.9	0.00	0.00	0.00
5,600.0	2.45	178.97	5,596.1	-181.2	3.3	-181.2	0.00	0.00	0.00
5,700.0	2.45	178.97	5,696.1	-185.5	3.3	-185.5	0.00	0.00	0.00
5,800.0	2.45	178.97	5,796.0	-189.8	3.4	-189.8	0.00	0.00	0.00
5,900.0	2.45	178.97	5,895.9	-194.0	3.5	-194.0	0.00	0.00	0.00
6,000.0	2.45	178.97	5,995.8	-198.3	3.6	-198.3	0.00	0.00	0.00
6,100.0	2.45	178.97	6,095.7	-202.6	3.7	-202.6	0.00	0.00	0.00
6,200.0	2.45	178.97	6,195.6	-206.9	3.7	-206.9	0.00	0.00	0.00
6,300.0	2.45	178.97	6,295.5	-211.1	3.8	-211.1	0.00	0.00	0.00
6,400.0	2.45	178.97	6,395.4	-215.4	3.9	-215.4	0.00	0.00	0.00
6,500.0	2.45	178.97	6,495.3	-219.7	4.0	-219.7	0.00	0.00	0.00
6,600.0	2.45	178.97	6,595.2	-224.0	4.0	-224.0	0.00	0.00	0.00
6,700.0	2.45	178.97	6,695.1	-228.2	4.1	-228.3	0.00	0.00	0.00
6,800.0	2.45	178.97	6,795.0	-232.5	4.2	-232.5	0.00	0.00	0.00
6,900.0	2.45	178.97	6,895.0	-236.8	4.3	-236.8	0.00	0.00	0.00
7,000.0	2.45	178.97	6,994.9	-241.1	4.3	-241.1	0.00	0.00	0.00
7,100.0	2.45	178.97	7,094.8	-245.3	4.4	-245.4	0.00	0.00	0.00
7,200.0	2.45	178.97	7,194.7	-249.6	4.5	-249.6	0.00	0.00	0.00
7,300.0	2.45	178.97	7,294.6	-253.9	4.6	-253.9	0.00	0.00	0.00
7,400.0	2.45	178.97	7,394.5	-258.2	4.7	-258.2	0.00	0.00	0.00
7,500.0	2.45	178.97	7,494.4	-262.4	4.7	-262.5	0.00	0.00	0.00
7,600.0	2.45	178.97	7,594.3	-266.7	4.8	-266.7	0.00	0.00	0.00
7,700.0	2.45	178.97	7,694.2	-271.0	4.9	-271.0	0.00	0.00	0.00
7,800.0	2.45	178.97	7,794.1	-275.3	5.0	-275.3	0.00	0.00	0.00
7,900.0	2.45	178.97	7,894.0	-279.5	5.0	-279.6	0.00	0.00	0.00
8,000.0	2.45	178.97	7,993.9	-283.8	5.1	-283.8	0.00	0.00	0.00
8,100.0	2.45	178.97	8,093.9	-288.1	5.2	-288.1	0.00	0.00	0.00
8,200.0	2.45	178.97	8,193.8	-292.4	5.3	-292.4	0.00	0.00	0.00
8,300.0	2.45	178.97	8,293.7	-296.6	5.3	-296.7	0.00	0.00	0.00
8,400.0	2.45	178.97	8,393.6	-300.9	5.4	-300.9	0.00	0.00	0.00
8,500.0	2.45	178.97	8,493.5	-305.2	5.5	-305.2	0.00	0.00	0.00
8,600.0	2.45	178.97	8,593.4	-309.5	5.6	-309.5	0.00	0.00	0.00
8,700.0	2.45	178.97	8,693.3	-313.7	5.7	-313.8	0.00	0.00	0.00
8,800.0	2.45	178.97	8,793.2	-318.0	5.7	-318.0	0.00	0.00	0.00
8,900.0	2.45	178.97	8,893.1	-322.3	5.8	-322.3	0.00	0.00	0.00
9,000.0	2.45	178.97	8,993.0	-326.6	5.9	-326.6	0.00	0.00	0.00
9,089.1	2.45	178.97	9,082.0	-330.4	6.0	-330.4	0.00	0.00	0.00
9,100.0	2.23	178.97	9,092.9	-330.8	6.0	-330.8	2.00	-2.00	0.00
9,200.0	0.23	178.97	9,192.9	-333.0	6.0	-333.0	2.00	-2.00	0.00
9,211.6	0.00	0.00	9,204.5	-333.0	6.0	-333.0	2.00	-2.00	0.00
KOP(GG 1 SC #704H)									
9,225.0	1.61	359.87	9,217.9	-332.8	6.0	-332.8	12.00	12.00	0.00
9,250.0	4.61	359.87	9,242.9	-331.5	6.0	-331.5	12.00	12.00	0.00
9,275.0	7.61	359.87	9,267.7	-328.8	6.0	-328.8	12.00	12.00	0.00
9,300.0	10.61	359.87	9,292.4	-324.8	6.0	-324.8	12.00	12.00	0.00
9,325.0	13.61	359.87	9,316.8	-319.6	6.0	-319.6	12.00	12.00	0.00
9,350.0	16.61	359.87	9,341.0	-313.1	6.0	-313.1	12.00	12.00	0.00
9,375.0	19.61	359.87	9,364.7	-305.3	5.9	-305.3	12.00	12.00	0.00
9,400.0	22.61	359.87	9,388.1	-296.3	5.9	-296.3	12.00	12.00	0.00
9,425.0	25.61	359.87	9,410.9	-286.1	5.9	-286.1	12.00	12.00	0.00
9,450.0	28.61	359.87	9,433.1	-274.7	5.9	-274.7	12.00	12.00	0.00



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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)
9,475.0	31.61	359.87	9,454.8	-262.2	5.8	-262.2	12.00	12.00	0.00
9,500.0	34.61	359.87	9,475.7	-248.5	5.8	-248.5	12.00	12.00	0.00
9,525.0	37.61	359.87	9,495.9	-233.8	5.8	-233.8	12.00	12.00	0.00
9,550.0	40.61	359.87	9,515.3	-218.0	5.7	-218.0	12.00	12.00	0.00
9,575.0	43.61	359.87	9,533.8	-201.2	5.7	-201.3	12.00	12.00	0.00
9,600.0	46.61	359.87	9,551.5	-183.5	5.7	-183.5	12.00	12.00	0.00
9,625.0	49.61	359.87	9,568.2	-164.9	5.6	-164.9	12.00	12.00	0.00
9,650.0	52.61	359.87	9,583.9	-145.5	5.6	-145.5	12.00	12.00	0.00
9,675.0	55.61	359.87	9,598.5	-125.2	5.5	-125.2	12.00	12.00	0.00
9,700.0	58.61	359.87	9,612.1	-104.2	5.5	-104.2	12.00	12.00	0.00
9,725.0	61.61	359.87	9,624.5	-82.6	5.4	-82.6	12.00	12.00	0.00
9,750.0	64.61	359.87	9,635.8	-60.3	5.4	-60.3	12.00	12.00	0.00
9,775.0	67.61	359.87	9,646.0	-37.4	5.3	-37.4	12.00	12.00	0.00
FTP(GG 1 SC #704H)									
9,800.0	70.61	359.87	9,654.9	-14.1	5.3	-14.1	12.00	12.00	0.00
9,825.0	73.61	359.87	9,662.6	9.7	5.2	9.7	12.00	12.00	0.00
9,850.0	76.61	359.87	9,669.0	33.9	5.2	33.9	12.00	12.00	0.00
9,875.0	79.61	359.87	9,674.1	58.4	5.1	58.3	12.00	12.00	0.00
9,900.0	82.61	359.87	9,678.0	83.0	5.0	83.0	12.00	12.00	0.00
9,925.0	85.61	359.87	9,680.6	107.9	5.0	107.9	12.00	12.00	0.00
9,950.0	88.61	359.87	9,681.8	132.9	4.9	132.9	12.00	12.00	0.00
9,961.6	90.00	359.87	9,682.0	144.5	4.9	144.5	12.00	12.00	0.00
10,000.0	90.00	359.87	9,682.0	182.9	4.8	182.9	0.00	0.00	0.00
10,100.0	90.00	359.87	9,682.0	282.9	4.6	282.9	0.00	0.00	0.00
10,200.0	90.00	359.87	9,682.0	382.9	4.3	382.9	0.00	0.00	0.00
10,300.0	90.00	359.87	9,682.0	482.9	4.1	482.9	0.00	0.00	0.00
10,400.0	90.00	359.87	9,682.0	582.9	3.9	582.9	0.00	0.00	0.00
10,500.0	90.00	359.87	9,682.0	682.9	3.7	682.9	0.00	0.00	0.00
10,600.0	90.00	359.87	9,682.0	782.9	3.4	782.9	0.00	0.00	0.00
10,700.0	90.00	359.87	9,682.0	882.9	3.2	882.9	0.00	0.00	0.00
10,800.0	90.00	359.87	9,682.0	982.9	3.0	982.9	0.00	0.00	0.00
10,900.0	90.00	359.87	9,682.0	1,082.9	2.7	1,082.9	0.00	0.00	0.00
11,000.0	90.00	359.87	9,682.0	1,182.9	2.5	1,182.9	0.00	0.00	0.00
11,100.0	90.00	359.87	9,682.0	1,282.9	2.3	1,282.9	0.00	0.00	0.00
11,200.0	90.00	359.87	9,682.0	1,382.9	2.0	1,382.9	0.00	0.00	0.00
11,300.0	90.00	359.87	9,682.0	1,482.9	1.8	1,482.9	0.00	0.00	0.00
11,400.0	90.00	359.87	9,682.0	1,582.9	1.6	1,582.9	0.00	0.00	0.00
11,500.0	90.00	359.87	9,682.0	1,682.9	1.3	1,682.9	0.00	0.00	0.00
11,600.0	90.00	359.87	9,682.0	1,782.9	1.1	1,782.9	0.00	0.00	0.00
11,700.0	90.00	359.87	9,682.0	1,882.9	0.9	1,882.9	0.00	0.00	0.00
11,800.0	90.00	359.87	9,682.0	1,982.9	0.6	1,982.9	0.00	0.00	0.00
11,900.0	90.00	359.87	9,682.0	2,082.9	0.4	2,082.9	0.00	0.00	0.00
12,000.0	90.00	359.87	9,682.0	2,182.9	0.2	2,182.9	0.00	0.00	0.00
12,100.0	90.00	359.87	9,682.0	2,282.9	0.0	2,282.9	0.00	0.00	0.00
12,200.0	90.00	359.87	9,682.0	2,382.9	-0.3	2,382.9	0.00	0.00	0.00
12,300.0	90.00	359.87	9,682.0	2,482.9	-0.5	2,482.9	0.00	0.00	0.00
12,400.0	90.00	359.87	9,682.0	2,582.9	-0.7	2,582.9	0.00	0.00	0.00
12,500.0	90.00	359.87	9,682.0	2,682.9	-1.0	2,682.9	0.00	0.00	0.00
12,600.0	90.00	359.87	9,682.0	2,782.9	-1.2	2,782.9	0.00	0.00	0.00
12,700.0	90.00	359.87	9,682.0	2,882.9	-1.4	2,882.9	0.00	0.00	0.00
12,800.0	90.00	359.87	9,682.0	2,982.9	-1.7	2,982.9	0.00	0.00	0.00
12,900.0	90.00	359.87	9,682.0	3,082.9	-1.9	3,082.9	0.00	0.00	0.00
13,000.0	90.00	359.87	9,682.0	3,182.9	-2.1	3,182.9	0.00	0.00	0.00
13,100.0	90.00	359.87	9,682.0	3,282.9	-2.4	3,282.9	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #704H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 2998.0usft
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 2998.0usft
Site:	Golden Graham 1 State Com	North Reference:	Grid
Well:	#704H	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	359.87	9,682.0	3,382.9	-2.6	3,382.9	0.00	0.00	0.00	
13,300.0	90.00	359.87	9,682.0	3,482.9	-2.8	3,482.9	0.00	0.00	0.00	
13,400.0	90.00	359.87	9,682.0	3,582.9	-3.1	3,582.9	0.00	0.00	0.00	
13,500.0	90.00	359.87	9,682.0	3,682.9	-3.3	3,682.9	0.00	0.00	0.00	
13,600.0	90.00	359.87	9,682.0	3,782.9	-3.5	3,782.9	0.00	0.00	0.00	
13,700.0	90.00	359.87	9,682.0	3,882.9	-3.7	3,882.9	0.00	0.00	0.00	
13,800.0	90.00	359.87	9,682.0	3,982.9	-4.0	3,982.9	0.00	0.00	0.00	
13,900.0	90.00	359.87	9,682.0	4,082.9	-4.2	4,082.9	0.00	0.00	0.00	
14,000.0	90.00	359.87	9,682.0	4,182.9	-4.4	4,182.9	0.00	0.00	0.00	
14,100.0	90.00	359.87	9,682.0	4,282.9	-4.7	4,282.9	0.00	0.00	0.00	
14,200.0	90.00	359.87	9,682.0	4,382.9	-4.9	4,382.9	0.00	0.00	0.00	
14,300.0	90.00	359.87	9,682.0	4,482.9	-5.1	4,482.9	0.00	0.00	0.00	
14,400.0	90.00	359.87	9,682.0	4,582.9	-5.4	4,582.9	0.00	0.00	0.00	
14,500.0	90.00	359.87	9,682.0	4,682.9	-5.6	4,682.9	0.00	0.00	0.00	
14,600.0	90.00	359.87	9,682.0	4,782.9	-5.8	4,782.9	0.00	0.00	0.00	
14,700.0	90.00	359.87	9,682.0	4,882.9	-6.1	4,882.9	0.00	0.00	0.00	
14,800.0	90.00	359.87	9,682.0	4,982.9	-6.3	4,982.9	0.00	0.00	0.00	
14,900.0	90.00	359.87	9,682.0	5,082.9	-6.5	5,082.9	0.00	0.00	0.00	
15,000.0	90.00	359.87	9,682.0	5,182.9	-6.7	5,182.9	0.00	0.00	0.00	
15,100.0	90.00	359.87	9,682.0	5,282.9	-7.0	5,282.9	0.00	0.00	0.00	
15,200.0	90.00	359.87	9,682.0	5,382.9	-7.2	5,382.9	0.00	0.00	0.00	
15,300.0	90.00	359.87	9,682.0	5,482.9	-7.4	5,482.9	0.00	0.00	0.00	
15,400.0	90.00	359.87	9,682.0	5,582.9	-7.7	5,582.9	0.00	0.00	0.00	
15,500.0	90.00	359.87	9,682.0	5,682.9	-7.9	5,682.9	0.00	0.00	0.00	
15,600.0	90.00	359.87	9,682.0	5,782.9	-8.1	5,782.9	0.00	0.00	0.00	
15,700.0	90.00	359.87	9,682.0	5,882.9	-8.4	5,882.9	0.00	0.00	0.00	
15,800.0	90.00	359.87	9,682.0	5,982.9	-8.6	5,982.9	0.00	0.00	0.00	
15,900.0	90.00	359.87	9,682.0	6,082.9	-8.8	6,082.9	0.00	0.00	0.00	
16,000.0	90.00	359.87	9,682.0	6,182.9	-9.1	6,182.9	0.00	0.00	0.00	
16,100.0	90.00	359.87	9,682.0	6,282.9	-9.3	6,282.9	0.00	0.00	0.00	
16,200.0	90.00	359.87	9,682.0	6,382.9	-9.5	6,382.9	0.00	0.00	0.00	
16,300.0	90.00	359.87	9,682.0	6,482.9	-9.8	6,482.9	0.00	0.00	0.00	
16,400.0	90.00	359.87	9,682.0	6,582.9	-10.0	6,582.9	0.00	0.00	0.00	
16,500.0	90.00	359.87	9,682.0	6,682.9	-10.2	6,682.9	0.00	0.00	0.00	
16,600.0	90.00	359.87	9,682.0	6,782.9	-10.4	6,782.9	0.00	0.00	0.00	
16,700.0	90.00	359.87	9,682.0	6,882.9	-10.7	6,882.9	0.00	0.00	0.00	
16,800.0	90.00	359.87	9,682.0	6,982.9	-10.9	6,982.9	0.00	0.00	0.00	
16,900.0	90.00	359.87	9,682.0	7,082.9	-11.1	7,082.9	0.00	0.00	0.00	
17,000.0	90.00	359.87	9,682.0	7,182.9	-11.4	7,182.9	0.00	0.00	0.00	
17,100.0	90.00	359.87	9,682.0	7,282.9	-11.6	7,282.9	0.00	0.00	0.00	
17,200.0	90.00	359.87	9,682.0	7,382.9	-11.8	7,382.9	0.00	0.00	0.00	
17,300.0	90.00	359.87	9,682.0	7,482.9	-12.1	7,482.9	0.00	0.00	0.00	
17,400.0	90.00	359.87	9,682.0	7,582.9	-12.3	7,582.9	0.00	0.00	0.00	
17,500.0	90.00	359.87	9,682.0	7,682.9	-12.5	7,682.9	0.00	0.00	0.00	
17,600.0	90.00	359.87	9,682.0	7,782.9	-12.8	7,782.9	0.00	0.00	0.00	
17,700.0	90.00	359.87	9,682.0	7,882.9	-13.0	7,882.9	0.00	0.00	0.00	
17,800.0	90.00	359.87	9,682.0	7,982.9	-13.2	7,982.9	0.00	0.00	0.00	
17,900.0	90.00	359.87	9,682.0	8,082.9	-13.5	8,082.9	0.00	0.00	0.00	
18,000.0	90.00	359.87	9,682.0	8,182.9	-13.7	8,182.9	0.00	0.00	0.00	
18,100.0	90.00	359.87	9,682.0	8,282.9	-13.9	8,282.9	0.00	0.00	0.00	
18,200.0	90.00	359.87	9,682.0	8,382.9	-14.1	8,382.9	0.00	0.00	0.00	
18,300.0	90.00	359.87	9,682.0	8,482.9	-14.4	8,482.9	0.00	0.00	0.00	
18,400.0	90.00	359.87	9,682.0	8,582.9	-14.6	8,582.9	0.00	0.00	0.00	
18,500.0	90.00	359.87	9,682.0	8,682.9	-14.8	8,682.9	0.00	0.00	0.00	

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Eddy County, NM (NAD 83 NME)
 Site: Golden Graham 1 State Com
 Well: #704H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #704H
 TVD Reference: KB = 25 @ 2998.0usft
 MD Reference: KB = 25 @ 2998.0usft
 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)
18,600.0	90.00	359.87	9,682.0	8,782.9	-15.1	8,782.9	0.00	0.00	0.00
18,700.0	90.00	359.87	9,682.0	8,882.9	-15.3	8,882.9	0.00	0.00	0.00
18,800.0	90.00	359.87	9,682.0	8,982.9	-15.5	8,982.9	0.00	0.00	0.00
18,900.0	90.00	359.87	9,682.0	9,082.9	-15.8	9,082.9	0.00	0.00	0.00
19,000.0	90.00	359.87	9,682.0	9,182.9	-16.0	9,182.9	0.00	0.00	0.00
19,100.0	90.00	359.87	9,682.0	9,282.9	-16.2	9,282.9	0.00	0.00	0.00
19,200.0	90.00	359.87	9,682.0	9,382.9	-16.5	9,382.9	0.00	0.00	0.00
19,300.0	90.00	359.87	9,682.0	9,482.9	-16.7	9,482.9	0.00	0.00	0.00
19,400.0	90.00	359.87	9,682.0	9,582.9	-16.9	9,582.9	0.00	0.00	0.00
19,500.0	90.00	359.87	9,682.0	9,682.9	-17.1	9,682.9	0.00	0.00	0.00
19,600.0	90.00	359.87	9,682.0	9,782.9	-17.4	9,782.9	0.00	0.00	0.00
19,700.0	90.00	359.87	9,682.0	9,882.9	-17.6	9,882.9	0.00	0.00	0.00
19,800.0	90.00	359.87	9,682.0	9,982.9	-17.8	9,982.9	0.00	0.00	0.00
19,868.1	90.00	359.87	9,682.0	10,051.0	-18.0	10,051.0	0.00	0.00	0.00

PBHL(GG 1 SC #704H)

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(GG 1 SC #704H) - plan hits target center - Point	0.00	0.00	9,204.5	-333.0	6.0	387,323.00	632,651.00	32° 3' 52.157 N	104° 2' 18.803 W
PBHL(GG 1 SC #704H) - plan hits target center - Point	0.00	0.00	9,682.0	10,051.0	-18.0	397,707.00	632,627.00	32° 5' 34.919 N	104° 2' 18.752 W
FTP(GG 1 SC #704H) - plan misses target center by 38.9usft at 9775.0usft MD (9646.0 TVD, -37.4 N, 5.3 E) - Point	0.00	0.00	9,682.0	-52.0	6.0	387,604.00	632,651.00	32° 3' 54.937 N	104° 2' 18.794 W