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EOG Resources - Midland

Eddy County, NM (NAD 83 NME)

Golden Graham 1 State Com

#722H

OH

Plan: Plan #0.1

Standard Planning Report

24 April, 2019



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Eddy County, NM (NAD 83 NME)
 Site: Golden Graham 1 State Com
 Well: #722H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #722H
 TVD Reference: KB = 25 @ 2958.0usft
 MD Reference: KB = 25 @ 2958.0usft
 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:	Northing:	387,494.00 usft	Latitude:	32° 3' 53.919 N
From: Map	Easting:	630,031.00 usft	Longitude:	104° 2' 49.246 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.15°

Well	#722H			
Well Position	+N/-S	-4.0 usft	Northing:	387,490.00 usft
	+E/-W	1,258.0 usft	Easting:	631,289.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level:	2,933.0 usft

Wellbore	OH					
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength	
	IGRF2015	10/11/2018	(°)	(°)	(nT)	
			7.02	59.82	47,661.91761156	

Design	Plan #0.1				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.0	0.0	0.0	356.43	

Plan Survey Tool-Program	Date 4/24/2019				
Depth From	Depth To	Survey (Wellbore)	Tool Name	Remarks	
(usft)	(usft)				
1 0.0	20,027.2	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)	Build 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	
3,091.0	1.82	149.18	3,090.9	-1.2	0.7	2.00	2.00	0.00	149.18	
9,272.7	1.82	149.18	9,269.6	-169.8	101.3	0.00	0.00	0.00	0.00	
9,363.6	0.00	0.01	9,360.5	-171.0	102.0	2.00	-2.00	0.00	180.00	KOP(GG 1 SC #722H)
10,113.6	90.00	0.10	9,838.0	306.5	102.8	12.00	12.00	0.01	0.10	
20,027.2	90.00	0.10	9,838.0	10,220.0	120.0	0.00	0.00	0.00	0.00	PBHL(GG 1 SC #722H)



Planning Report

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Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 2958.0usft
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 2958.0usft
Site:	Golden Graham 1 State Com	North Reference:	Grid
Well:	#722H	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	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
3,091.0	1.82	149.18	3,090.9	-1.2	0.7	-1.3	2.00	2.00	0.00
3,100.0	1.82	149.18	3,100.0	-1.5	0.9	-1.5	0.00	0.00	0.00
3,200.0	1.82	149.18	3,199.9	-4.2	2.5	-4.4	0.00	0.00	0.00
3,300.0	1.82	149.18	3,299.9	-6.9	4.1	-7.2	0.00	0.00	0.00
3,400.0	1.82	149.18	3,399.8	-9.7	5.8	-10.0	0.00	0.00	0.00
3,500.0	1.82	149.18	3,499.8	-12.4	7.4	-12.8	0.00	0.00	0.00
3,600.0	1.82	149.18	3,599.7	-15.1	9.0	-15.6	0.00	0.00	0.00
3,700.0	1.82	149.18	3,699.7	-17.8	10.6	-18.5	0.00	0.00	0.00
3,800.0	1.82	149.18	3,799.6	-20.6	12.3	-21.3	0.00	0.00	0.00
3,900.0	1.82	149.18	3,899.6	-23.3	13.9	-24.1	0.00	0.00	0.00
4,000.0	1.82	149.18	3,999.5	-26.0	15.5	-26.9	0.00	0.00	0.00
4,100.0	1.82	149.18	4,099.5	-28.7	17.1	-29.8	0.00	0.00	0.00
4,200.0	1.82	149.18	4,199.4	-31.5	18.8	-32.6	0.00	0.00	0.00
4,300.0	1.82	149.18	4,299.4	-34.2	20.4	-35.4	0.00	0.00	0.00
4,400.0	1.82	149.18	4,399.3	-36.9	22.0	-38.2	0.00	0.00	0.00
4,500.0	1.82	149.18	4,499.3	-39.7	23.7	-41.0	0.00	0.00	0.00
4,600.0	1.82	149.18	4,599.2	-42.4	25.3	-43.9	0.00	0.00	0.00
4,700.0	1.82	149.18	4,699.2	-45.1	26.9	-46.7	0.00	0.00	0.00
4,800.0	1.82	149.18	4,799.1	-47.8	28.5	-49.5	0.00	0.00	0.00
4,900.0	1.82	149.18	4,899.1	-50.6	30.2	-52.3	0.00	0.00	0.00
5,000.0	1.82	149.18	4,999.0	-53.3	31.8	-55.2	0.00	0.00	0.00
5,100.0	1.82	149.18	5,099.0	-56.0	33.4	-58.0	0.00	0.00	0.00
5,200.0	1.82	149.18	5,198.9	-58.7	35.0	-60.8	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	1.82	149.18	5,298.9	-61.5	36.7	-63.6	0.00	0.00	0.00
5,400.0	1.82	149.18	5,398.8	-64.2	38.3	-66.4	0.00	0.00	0.00
5,500.0	1.82	149.18	5,498.8	-66.9	39.9	-69.3	0.00	0.00	0.00
5,600.0	1.82	149.18	5,598.7	-69.6	41.5	-72.1	0.00	0.00	0.00
5,700.0	1.82	149.18	5,698.7	-72.4	43.2	-74.9	0.00	0.00	0.00
5,800.0	1.82	149.18	5,798.6	-75.1	44.8	-77.7	0.00	0.00	0.00
5,900.0	1.82	149.18	5,898.6	-77.8	46.4	-80.6	0.00	0.00	0.00
6,000.0	1.82	149.18	5,998.5	-80.5	48.0	-83.4	0.00	0.00	0.00
6,100.0	1.82	149.18	6,098.5	-83.3	49.7	-86.2	0.00	0.00	0.00
6,200.0	1.82	149.18	6,198.4	-86.0	51.3	-89.0	0.00	0.00	0.00
6,300.0	1.82	149.18	6,298.4	-88.7	52.9	-91.8	0.00	0.00	0.00
6,400.0	1.82	149.18	6,398.3	-91.4	54.5	-94.7	0.00	0.00	0.00
6,500.0	1.82	149.18	6,498.3	-94.2	56.2	-97.5	0.00	0.00	0.00
6,600.0	1.82	149.18	6,598.2	-96.9	57.8	-100.3	0.00	0.00	0.00
6,700.0	1.82	149.18	6,698.2	-99.6	59.4	-103.1	0.00	0.00	0.00
6,800.0	1.82	149.18	6,798.1	-102.4	61.1	-106.0	0.00	0.00	0.00
6,900.0	1.82	149.18	6,898.1	-105.1	62.7	-108.8	0.00	0.00	0.00
7,000.0	1.82	149.18	6,998.0	-107.8	64.3	-111.6	0.00	0.00	0.00
7,100.0	1.82	149.18	7,098.0	-110.5	65.9	-114.4	0.00	0.00	0.00
7,200.0	1.82	149.18	7,197.9	-113.3	67.6	-117.2	0.00	0.00	0.00
7,300.0	1.82	149.18	7,297.9	-116.0	69.2	-120.1	0.00	0.00	0.00
7,400.0	1.82	149.18	7,397.8	-118.7	70.8	-122.9	0.00	0.00	0.00
7,500.0	1.82	149.18	7,497.8	-121.4	72.4	-125.7	0.00	0.00	0.00
7,600.0	1.82	149.18	7,597.7	-124.2	74.1	-128.5	0.00	0.00	0.00
7,700.0	1.82	149.18	7,697.7	-126.9	75.7	-131.4	0.00	0.00	0.00
7,800.0	1.82	149.18	7,797.6	-129.6	77.3	-134.2	0.00	0.00	0.00
7,900.0	1.82	149.18	7,897.6	-132.3	78.9	-137.0	0.00	0.00	0.00
8,000.0	1.82	149.18	7,997.5	-135.1	80.6	-139.8	0.00	0.00	0.00
8,100.0	1.82	149.18	8,097.5	-137.8	82.2	-142.6	0.00	0.00	0.00
8,200.0	1.82	149.18	8,197.4	-140.5	83.8	-145.5	0.00	0.00	0.00
8,300.0	1.82	149.18	8,297.4	-143.2	85.4	-148.3	0.00	0.00	0.00
8,400.0	1.82	149.18	8,397.3	-146.0	87.1	-151.1	0.00	0.00	0.00
8,500.0	1.82	149.18	8,497.3	-148.7	88.7	-153.9	0.00	0.00	0.00
8,600.0	1.82	149.18	8,597.2	-151.4	90.3	-156.8	0.00	0.00	0.00
8,700.0	1.82	149.18	8,697.2	-154.1	91.9	-159.6	0.00	0.00	0.00
8,800.0	1.82	149.18	8,797.1	-156.9	93.6	-162.4	0.00	0.00	0.00
8,900.0	1.82	149.18	8,897.1	-159.6	95.2	-165.2	0.00	0.00	0.00
9,000.0	1.82	149.18	8,997.0	-162.3	96.8	-168.0	0.00	0.00	0.00
9,100.0	1.82	149.18	9,097.0	-165.1	98.5	-170.9	0.00	0.00	0.00
9,200.0	1.82	149.18	9,196.9	-167.8	100.1	-173.7	0.00	0.00	0.00
9,272.7	1.82	149.18	9,269.6	-169.8	101.3	-175.7	0.00	0.00	0.00
9,300.0	1.27	149.18	9,296.9	-170.4	101.6	-176.4	2.00	-2.00	0.00
9,363.6	0.00	0.01	9,360.5	-171.0	102.0	-177.0	2.00	-2.00	0.00
KOP(GG 1 SC #722H)									
9,375.0	1.36	0.10	9,371.9	-170.9	102.0	-176.9	12.00	12.00	0.00
9,400.0	4.36	0.10	9,396.8	-169.6	102.0	-175.6	12.00	12.00	0.00
9,425.0	7.36	0.10	9,421.7	-167.1	102.0	-173.1	12.00	12.00	0.00
9,450.0	10.36	0.10	9,446.4	-163.2	102.0	-169.3	12.00	12.00	0.00
9,475.0	13.36	0.10	9,470.8	-158.1	102.0	-164.1	12.00	12.00	0.00
9,500.0	16.36	0.10	9,495.0	-151.7	102.0	-157.7	12.00	12.00	0.00
9,525.0	19.36	0.10	9,518.8	-144.0	102.0	-150.1	12.00	12.00	0.00
9,550.0	22.36	0.10	9,542.2	-135.1	102.1	-141.2	12.00	12.00	0.00
9,575.0	25.36	0.10	9,565.0	-125.0	102.1	-131.1	12.00	12.00	0.00



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Site:	Golden Graham 1 State Com	North Reference:	Grid
Well:	#722H	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)
9,600.0	28.36	0.10	9,587.3	-113.7	102.1	-119.8	12.00	12.00	0.00
9,625.0	31.36	0.10	9,609.0	-101.2	102.1	-107.4	12.00	12.00	0.00
9,650.0	34.36	0.10	9,630.0	-87.7	102.1	-93.9	12.00	12.00	0.00
9,675.0	37.36	0.10	9,650.3	-73.0	102.2	-79.3	12.00	12.00	0.00
9,700.0	40.36	0.10	9,669.7	-57.3	102.2	-63.6	12.00	12.00	0.00
9,725.0	43.36	0.10	9,688.3	-40.7	102.2	-47.0	12.00	12.00	0.00
9,750.0	46.36	0.10	9,706.1	-23.0	102.3	-29.4	12.00	12.00	0.00
9,775.0	49.36	0.10	9,722.8	-4.5	102.3	-10.9	12.00	12.00	0.00
9,800.0	52.36	0.10	9,738.6	14.9	102.3	8.5	12.00	12.00	0.00
9,825.0	55.36	0.10	9,753.3	35.1	102.4	28.6	12.00	12.00	0.00
9,850.0	58.36	0.10	9,767.0	56.0	102.4	49.5	12.00	12.00	0.00
9,875.0	61.36	0.10	9,779.6	77.6	102.4	71.1	12.00	12.00	0.00
9,900.0	64.36	0.10	9,791.0	99.9	102.5	93.3	12.00	12.00	0.00
9,925.0	67.36	0.10	9,801.2	122.7	102.5	116.1	12.00	12.00	0.00
9,925.5	67.42	0.10	9,801.4	123.2	102.5	116.5	12.00	12.00	0.00
FTP(GG 1 SC #722H)									
9,950.0	70.36	0.10	9,810.2	146.0	102.5	139.3	12.00	12.00	0.00
9,975.0	73.36	0.10	9,818.0	169.8	102.6	163.0	12.00	12.00	0.00
10,000.0	76.36	0.10	9,824.5	193.9	102.6	187.1	12.00	12.00	0.00
10,025.0	79.36	0.10	9,829.8	218.3	102.7	211.5	12.00	12.00	0.00
10,050.0	82.36	0.10	9,833.7	243.0	102.7	236.1	12.00	12.00	0.00
10,075.0	85.36	0.10	9,836.4	267.9	102.8	260.9	12.00	12.00	0.00
10,100.0	88.36	0.10	9,837.8	292.8	102.8	285.8	12.00	12.00	0.00
10,113.6	90.00	0.10	9,838.0	306.5	102.8	299.5	12.00	12.00	0.00
10,200.0	90.00	0.10	9,838.0	392.8	103.0	385.6	0.00	0.00	0.00
10,300.0	90.00	0.10	9,838.0	492.8	103.1	485.4	0.00	0.00	0.00
10,400.0	90.00	0.10	9,838.0	592.8	103.3	585.2	0.00	0.00	0.00
10,500.0	90.00	0.10	9,838.0	692.8	103.5	685.0	0.00	0.00	0.00
10,600.0	90.00	0.10	9,838.0	792.8	103.7	784.8	0.00	0.00	0.00
10,700.0	90.00	0.10	9,838.0	892.8	103.8	884.6	0.00	0.00	0.00
10,800.0	90.00	0.10	9,838.0	992.8	104.0	984.4	0.00	0.00	0.00
10,900.0	90.00	0.10	9,838.0	1,092.8	104.2	1,084.2	0.00	0.00	0.00
11,000.0	90.00	0.10	9,838.0	1,192.8	104.4	1,184.0	0.00	0.00	0.00
11,100.0	90.00	0.10	9,838.0	1,292.8	104.5	1,283.8	0.00	0.00	0.00
11,200.0	90.00	0.10	9,838.0	1,392.8	104.7	1,383.6	0.00	0.00	0.00
11,300.0	90.00	0.10	9,838.0	1,492.8	104.9	1,483.4	0.00	0.00	0.00
11,400.0	90.00	0.10	9,838.0	1,592.8	105.1	1,583.2	0.00	0.00	0.00
11,500.0	90.00	0.10	9,838.0	1,692.8	105.2	1,683.0	0.00	0.00	0.00
11,600.0	90.00	0.10	9,838.0	1,792.8	105.4	1,782.8	0.00	0.00	0.00
11,700.0	90.00	0.10	9,838.0	1,892.8	105.6	1,882.6	0.00	0.00	0.00
11,800.0	90.00	0.10	9,838.0	1,992.8	105.7	1,982.4	0.00	0.00	0.00
11,900.0	90.00	0.10	9,838.0	2,092.8	105.9	2,082.1	0.00	0.00	0.00
12,000.0	90.00	0.10	9,838.0	2,192.8	106.1	2,181.9	0.00	0.00	0.00
12,100.0	90.00	0.10	9,838.0	2,292.8	106.3	2,281.7	0.00	0.00	0.00
12,200.0	90.00	0.10	9,838.0	2,392.8	106.4	2,381.5	0.00	0.00	0.00
12,300.0	90.00	0.10	9,838.0	2,492.8	106.6	2,481.3	0.00	0.00	0.00
12,400.0	90.00	0.10	9,838.0	2,592.8	106.8	2,581.1	0.00	0.00	0.00
12,500.0	90.00	0.10	9,838.0	2,692.8	107.0	2,680.9	0.00	0.00	0.00
12,600.0	90.00	0.10	9,838.0	2,792.8	107.1	2,780.7	0.00	0.00	0.00
12,700.0	90.00	0.10	9,838.0	2,892.8	107.3	2,880.5	0.00	0.00	0.00
12,800.0	90.00	0.10	9,838.0	2,992.8	107.5	2,980.3	0.00	0.00	0.00
12,900.0	90.00	0.10	9,838.0	3,092.8	107.7	3,080.1	0.00	0.00	0.00
13,000.0	90.00	0.10	9,838.0	3,192.8	107.8	3,179.9	0.00	0.00	0.00
13,100.0	90.00	0.10	9,838.0	3,292.8	108.0	3,279.7	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Eddy County, NM (NAD 83 NME)
 Site: Golden Graham 1 State Com
 Well: #722H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #722H
 TVD Reference: KB = 25 @ 2958.0usft
 MD Reference: KB = 25 @ 2958.0usft
 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)
13,200.0	90.00	0.10	9,838.0	3,392.8	108.2	3,379.5	0.00	0.00	0.00
13,300.0	90.00	0.10	9,838.0	3,492.8	108.3	3,479.3	0.00	0.00	0.00
13,400.0	90.00	0.10	9,838.0	3,592.8	108.5	3,579.1	0.00	0.00	0.00
13,500.0	90.00	0.10	9,838.0	3,692.8	108.7	3,678.9	0.00	0.00	0.00
13,600.0	90.00	0.10	9,838.0	3,792.8	108.9	3,778.7	0.00	0.00	0.00
13,700.0	90.00	0.10	9,838.0	3,892.8	109.0	3,878.4	0.00	0.00	0.00
13,800.0	90.00	0.10	9,838.0	3,992.8	109.2	3,978.2	0.00	0.00	0.00
13,900.0	90.00	0.10	9,838.0	4,092.8	109.4	4,078.0	0.00	0.00	0.00
14,000.0	90.00	0.10	9,838.0	4,192.8	109.6	4,177.8	0.00	0.00	0.00
14,100.0	90.00	0.10	9,838.0	4,292.8	109.7	4,277.6	0.00	0.00	0.00
14,200.0	90.00	0.10	9,838.0	4,392.8	109.9	4,377.4	0.00	0.00	0.00
14,300.0	90.00	0.10	9,838.0	4,492.8	110.1	4,477.2	0.00	0.00	0.00
14,400.0	90.00	0.10	9,838.0	4,592.8	110.3	4,577.0	0.00	0.00	0.00
14,500.0	90.00	0.10	9,838.0	4,692.8	110.4	4,676.8	0.00	0.00	0.00
14,600.0	90.00	0.10	9,838.0	4,792.8	110.6	4,776.6	0.00	0.00	0.00
14,700.0	90.00	0.10	9,838.0	4,892.8	110.8	4,876.4	0.00	0.00	0.00
14,800.0	90.00	0.10	9,838.0	4,992.8	110.9	4,976.2	0.00	0.00	0.00
14,900.0	90.00	0.10	9,838.0	5,092.8	111.1	5,076.0	0.00	0.00	0.00
15,000.0	90.00	0.10	9,838.0	5,192.8	111.3	5,175.8	0.00	0.00	0.00
15,100.0	90.00	0.10	9,838.0	5,292.8	111.5	5,275.6	0.00	0.00	0.00
15,200.0	90.00	0.10	9,838.0	5,392.8	111.6	5,375.4	0.00	0.00	0.00
15,300.0	90.00	0.10	9,838.0	5,492.8	111.8	5,475.2	0.00	0.00	0.00
15,400.0	90.00	0.10	9,838.0	5,592.8	112.0	5,575.0	0.00	0.00	0.00
15,500.0	90.00	0.10	9,838.0	5,692.8	112.2	5,674.8	0.00	0.00	0.00
15,600.0	90.00	0.10	9,838.0	5,792.8	112.3	5,774.5	0.00	0.00	0.00
15,700.0	90.00	0.10	9,838.0	5,892.8	112.5	5,874.3	0.00	0.00	0.00
15,800.0	90.00	0.10	9,838.0	5,992.8	112.7	5,974.1	0.00	0.00	0.00
15,900.0	90.00	0.10	9,838.0	6,092.8	112.9	6,073.9	0.00	0.00	0.00
16,000.0	90.00	0.10	9,838.0	6,192.8	113.0	6,173.7	0.00	0.00	0.00
16,100.0	90.00	0.10	9,838.0	6,292.8	113.2	6,273.5	0.00	0.00	0.00
16,200.0	90.00	0.10	9,838.0	6,392.8	113.4	6,373.3	0.00	0.00	0.00
16,300.0	90.00	0.10	9,838.0	6,492.8	113.5	6,473.1	0.00	0.00	0.00
16,400.0	90.00	0.10	9,838.0	6,592.8	113.7	6,572.9	0.00	0.00	0.00
16,500.0	90.00	0.10	9,838.0	6,692.8	113.9	6,672.7	0.00	0.00	0.00
16,600.0	90.00	0.10	9,838.0	6,792.8	114.1	6,772.5	0.00	0.00	0.00
16,700.0	90.00	0.10	9,838.0	6,892.8	114.2	6,872.3	0.00	0.00	0.00
16,800.0	90.00	0.10	9,838.0	6,992.8	114.4	6,972.1	0.00	0.00	0.00
16,900.0	90.00	0.10	9,838.0	7,092.8	114.6	7,071.9	0.00	0.00	0.00
17,000.0	90.00	0.10	9,838.0	7,192.8	114.8	7,171.7	0.00	0.00	0.00
17,100.0	90.00	0.10	9,838.0	7,292.8	114.9	7,271.5	0.00	0.00	0.00
17,200.0	90.00	0.10	9,838.0	7,392.8	115.1	7,371.3	0.00	0.00	0.00
17,300.0	90.00	0.10	9,838.0	7,492.8	115.3	7,471.1	0.00	0.00	0.00
17,400.0	90.00	0.10	9,838.0	7,592.8	115.4	7,570.8	0.00	0.00	0.00
17,500.0	90.00	0.10	9,838.0	7,692.8	115.6	7,670.6	0.00	0.00	0.00
17,600.0	90.00	0.10	9,838.0	7,792.8	115.8	7,770.4	0.00	0.00	0.00
17,700.0	90.00	0.10	9,838.0	7,892.8	116.0	7,870.2	0.00	0.00	0.00
17,800.0	90.00	0.10	9,838.0	7,992.8	116.1	7,970.0	0.00	0.00	0.00
17,900.0	90.00	0.10	9,838.0	8,092.8	116.3	8,069.8	0.00	0.00	0.00
18,000.0	90.00	0.10	9,838.0	8,192.8	116.5	8,169.6	0.00	0.00	0.00
18,100.0	90.00	0.10	9,838.0	8,292.8	116.7	8,269.4	0.00	0.00	0.00
18,200.0	90.00	0.10	9,838.0	8,392.8	116.8	8,369.2	0.00	0.00	0.00
18,300.0	90.00	0.10	9,838.0	8,492.8	117.0	8,469.0	0.00	0.00	0.00
18,400.0	90.00	0.10	9,838.0	8,592.8	117.2	8,568.8	0.00	0.00	0.00
18,500.0	90.00	0.10	9,838.0	8,692.8	117.4	8,668.6	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #722H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 2958.0usft
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 2958.0usft
Site:	Golden Graham 1 State Com	North Reference:	Grid
Well:	#722H	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	9,838.0	8,792.8	117.5	8,768.4	0.00	0.00	0.00
18,700.0	90.00	0.10	9,838.0	8,892.8	117.7	8,868.2	0.00	0.00	0.00
18,800.0	90.00	0.10	9,838.0	8,992.8	117.9	8,968.0	0.00	0.00	0.00
18,900.0	90.00	0.10	9,838.0	9,092.8	118.0	9,067.8	0.00	0.00	0.00
19,000.0	90.00	0.10	9,838.0	9,192.8	118.2	9,167.6	0.00	0.00	0.00
19,100.0	90.00	0.10	9,838.0	9,292.8	118.4	9,267.4	0.00	0.00	0.00
19,200.0	90.00	0.10	9,838.0	9,392.8	118.6	9,367.2	0.00	0.00	0.00
19,300.0	90.00	0.10	9,838.0	9,492.8	118.7	9,466.9	0.00	0.00	0.00
19,400.0	90.00	0.10	9,838.0	9,592.8	118.9	9,566.7	0.00	0.00	0.00
19,500.0	90.00	0.10	9,838.0	9,692.8	119.1	9,666.5	0.00	0.00	0.00
19,600.0	90.00	0.10	9,838.0	9,792.8	119.3	9,766.3	0.00	0.00	0.00
19,700.0	90.00	0.10	9,838.0	9,892.8	119.4	9,866.1	0.00	0.00	0.00
19,800.0	90.00	0.10	9,838.0	9,992.8	119.6	9,965.9	0.00	0.00	0.00
19,900.0	90.00	0.10	9,838.0	10,092.8	119.8	10,065.7	0.00	0.00	0.00
20,000.0	90.00	0.10	9,838.0	10,192.8	120.0	10,165.5	0.00	0.00	0.00
20,027.2	90.00	0.10	9,838.0	10,220.0	120.0	10,192.7	0.00	0.00	0.00

PBHL(GG 1 SC #722H)

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 #722H)	0.00	0.01	9,360.5	-171.0	102.0	387,319.00	631,391.00	32° 3' 52.151 N	104° 2' 33.446 W
- hit/miss target									
- Shape									
- plan hits target center									
- Point									
FTP(GG 1 SC #722H)	0.00	0.01	9,838.0	109.0	102.0	387,599.00	631,391.00	32° 3' 54.922 N	104° 2' 33.437 W
- plan misses target center by 39.3usft at 9925.5usft MD (9801.4 TVD, 123.2 N, 102.5 E)									
- Point									
PBHL(GG 1 SC #722H)	0.00	0.00	9,838.0	10,220.0	120.0	397,710.00	631,409.00	32° 5' 34.981 N	104° 2' 32.911 W
- plan hits target center									
- Point									