



EOG Resources - Midland

Eddy County, NM (NAD 83 NME)

Golden Graham 1 State Com

#702H

OH

**NM OIL CONSERVATION
ARTESIA DISTRICT**

OCT 12 2018

RECEIVED

30.013-45323

Plan: Plan #0.1

Standard Planning Report

12 October, 2018



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Eddy County, NM (NAD 83 NME)
Site: Golden Graham 1 State Com
Well: #702H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #702H
TVD Reference: KB = 25 @ 2966.0usft
MD Reference: KB = 25 @ 2966.0usft
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	#702H			
Well Position	+N/-S	-19.0 usft	Northing: 387,475.00 usft	Latitude: 32° 3' 53.717 N
	+E/-W	530.0 usft	Easting: 630,561.00 usft	Longitude: 104° 2' 43.087 W
Position Uncertainty	0.0 usft	Wellhead Elevation:		Ground Level: 2,941.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/11/2018	7.02	59.82	47,661.58486663

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	358.69

Plan Survey Tool Program Date 10/12/2018

Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	19,805.1 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	
3,139.2	2.78	239.14	3,139.2	-1.7	-2.9	2.00	2.00	0.00	239.14	
9,018.3	2.78	239.14	9,011.3	-148.3	-248.1	0.00	0.00	0.00	0.00	
9,157.6	0.00	0.01	9,150.5	-150.0	-251.0	2.00	-2.00	0.00	180.00	KOP(GG 1 SC #702H
9,907.6	90.00	0.09	9,628.0	327.5	-250.2	12.00	12.00	0.01	0.09	
19,805.1	90.00	0.09	9,628.0	10,225.0	-234.0	0.00	0.00	0.00	0.00	PBHL(GG 1 SC #702H



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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
3,100.0	2.00	239.14	3,100.0	-0.9	-1.5	-0.9	2.00	2.00	0.00
3,139.2	2.78	239.14	3,139.2	-1.7	-2.9	-1.7	2.00	2.00	0.00
3,200.0	2.78	239.14	3,199.9	-3.2	-5.4	-3.1	0.00	0.00	0.00
3,300.0	2.78	239.14	3,299.8	-5.7	-9.6	-5.5	0.00	0.00	0.00
3,400.0	2.78	239.14	3,399.6	-8.2	-13.8	-7.9	0.00	0.00	0.00
3,500.0	2.78	239.14	3,499.5	-10.7	-17.9	-10.3	0.00	0.00	0.00
3,600.0	2.78	239.14	3,599.4	-13.2	-22.1	-12.7	0.00	0.00	0.00
3,700.0	2.78	239.14	3,699.3	-15.7	-26.3	-15.1	0.00	0.00	0.00
3,800.0	2.78	239.14	3,799.2	-18.2	-30.5	-17.5	0.00	0.00	0.00
3,900.0	2.78	239.14	3,899.0	-20.7	-34.6	-19.9	0.00	0.00	0.00
4,000.0	2.78	239.14	3,998.9	-23.2	-38.8	-22.3	0.00	0.00	0.00
4,100.0	2.78	239.14	4,098.8	-25.7	-43.0	-24.7	0.00	0.00	0.00
4,200.0	2.78	239.14	4,198.7	-28.2	-47.1	-27.1	0.00	0.00	0.00
4,300.0	2.78	239.14	4,298.6	-30.7	-51.3	-29.5	0.00	0.00	0.00
4,400.0	2.78	239.14	4,398.5	-33.2	-55.5	-31.9	0.00	0.00	0.00
4,500.0	2.78	239.14	4,498.3	-35.7	-59.7	-34.3	0.00	0.00	0.00
4,600.0	2.78	239.14	4,598.2	-38.1	-63.8	-36.7	0.00	0.00	0.00
4,700.0	2.78	239.14	4,698.1	-40.6	-68.0	-39.1	0.00	0.00	0.00
4,800.0	2.78	239.14	4,798.0	-43.1	-72.2	-41.5	0.00	0.00	0.00
4,900.0	2.78	239.14	4,897.9	-45.6	-76.3	-43.9	0.00	0.00	0.00
5,000.0	2.78	239.14	4,997.7	-48.1	-80.5	-46.3	0.00	0.00	0.00
5,100.0	2.78	239.14	5,097.6	-50.6	-84.7	-48.7	0.00	0.00	0.00
5,200.0	2.78	239.14	5,197.5	-53.1	-88.8	-51.1	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	2.78	239.14	5,297.4	-55.6	-93.0	-53.4	0.00	0.00	0.00
5,400.0	2.78	239.14	5,397.3	-58.1	-97.2	-55.8	0.00	0.00	0.00
5,500.0	2.78	239.14	5,497.2	-60.6	-101.4	-58.2	0.00	0.00	0.00
5,600.0	2.78	239.14	5,597.0	-63.1	-105.5	-60.6	0.00	0.00	0.00
5,700.0	2.78	239.14	5,696.9	-65.6	-109.7	-63.0	0.00	0.00	0.00
5,800.0	2.78	239.14	5,796.8	-68.1	-113.9	-65.4	0.00	0.00	0.00
5,900.0	2.78	239.14	5,896.7	-70.5	-118.0	-67.8	0.00	0.00	0.00
6,000.0	2.78	239.14	5,996.6	-73.0	-122.2	-70.2	0.00	0.00	0.00
6,100.0	2.78	239.14	6,096.4	-75.5	-126.4	-72.6	0.00	0.00	0.00
6,200.0	2.78	239.14	6,196.3	-78.0	-130.6	-75.0	0.00	0.00	0.00
6,300.0	2.78	239.14	6,296.2	-80.5	-134.7	-77.4	0.00	0.00	0.00
6,400.0	2.78	239.14	6,396.1	-83.0	-138.9	-79.8	0.00	0.00	0.00
6,500.0	2.78	239.14	6,496.0	-85.5	-143.1	-82.2	0.00	0.00	0.00
6,600.0	2.78	239.14	6,595.9	-88.0	-147.2	-84.6	0.00	0.00	0.00
6,700.0	2.78	239.14	6,695.7	-90.5	-151.4	-87.0	0.00	0.00	0.00
6,800.0	2.78	239.14	6,795.6	-93.0	-155.6	-89.4	0.00	0.00	0.00
6,900.0	2.78	239.14	6,895.5	-95.5	-159.7	-91.8	0.00	0.00	0.00
7,000.0	2.78	239.14	6,995.4	-98.0	-163.9	-94.2	0.00	0.00	0.00
7,100.0	2.78	239.14	7,095.3	-100.5	-168.1	-96.6	0.00	0.00	0.00
7,200.0	2.78	239.14	7,195.1	-102.9	-172.3	-99.0	0.00	0.00	0.00
7,300.0	2.78	239.14	7,295.0	-105.4	-176.4	-101.4	0.00	0.00	0.00
7,400.0	2.78	239.14	7,394.9	-107.9	-180.6	-103.8	0.00	0.00	0.00
7,500.0	2.78	239.14	7,494.8	-110.4	-184.8	-106.2	0.00	0.00	0.00
7,600.0	2.78	239.14	7,594.7	-112.9	-188.9	-108.6	0.00	0.00	0.00
7,700.0	2.78	239.14	7,694.6	-115.4	-193.1	-111.0	0.00	0.00	0.00
7,800.0	2.78	239.14	7,794.4	-117.9	-197.3	-113.4	0.00	0.00	0.00
7,900.0	2.78	239.14	7,894.3	-120.4	-201.5	-115.8	0.00	0.00	0.00
8,000.0	2.78	239.14	7,994.2	-122.9	-205.6	-118.1	0.00	0.00	0.00
8,100.0	2.78	239.14	8,094.1	-125.4	-209.8	-120.5	0.00	0.00	0.00
8,200.0	2.78	239.14	8,194.0	-127.9	-214.0	-122.9	0.00	0.00	0.00
8,300.0	2.78	239.14	8,293.9	-130.4	-218.1	-125.3	0.00	0.00	0.00
8,400.0	2.78	239.14	8,393.7	-132.9	-222.3	-127.7	0.00	0.00	0.00
8,500.0	2.78	239.14	8,493.6	-135.3	-226.5	-130.1	0.00	0.00	0.00
8,600.0	2.78	239.14	8,593.5	-137.8	-230.6	-132.5	0.00	0.00	0.00
8,700.0	2.78	239.14	8,693.4	-140.3	-234.8	-134.9	0.00	0.00	0.00
8,800.0	2.78	239.14	8,793.3	-142.8	-239.0	-137.3	0.00	0.00	0.00
8,900.0	2.78	239.14	8,893.1	-145.3	-243.2	-139.7	0.00	0.00	0.00
9,000.0	2.78	239.14	8,993.0	-147.8	-247.3	-142.1	0.00	0.00	0.00
9,018.3	2.78	239.14	9,011.3	-148.3	-248.1	-142.5	0.00	0.00	0.00
9,100.0	1.15	239.14	9,093.0	-149.7	-250.5	-143.9	2.00	-2.00	0.00
9,157.6	0.00	0.01	9,150.5	-150.0	-251.0	-144.2	2.00	-2.00	0.00
KOP(GG 1 SC #702H)									
9,175.0	2.09	0.09	9,167.9	-149.7	-251.0	-143.9	12.00	12.00	0.00
9,200.0	5.09	0.09	9,192.9	-148.1	-251.0	-142.3	12.00	12.00	0.00
9,225.0	8.09	0.09	9,217.7	-145.2	-251.0	-139.5	12.00	12.00	0.00
9,250.0	11.09	0.09	9,242.4	-141.1	-251.0	-135.3	12.00	12.00	0.00
9,275.0	14.09	0.09	9,266.8	-135.6	-251.0	-129.9	12.00	12.00	0.00
9,300.0	17.09	0.09	9,290.8	-128.9	-251.0	-123.1	12.00	12.00	0.00
9,325.0	20.09	0.09	9,314.5	-120.9	-251.0	-115.2	12.00	12.00	0.00
9,350.0	23.09	0.09	9,337.8	-111.7	-250.9	-106.0	12.00	12.00	0.00
9,375.0	26.09	0.09	9,360.5	-101.3	-250.9	-95.6	12.00	12.00	0.00
9,400.0	29.09	0.09	9,382.7	-89.8	-250.9	-84.0	12.00	12.00	0.00
9,425.0	32.09	0.09	9,404.2	-77.0	-250.9	-71.3	12.00	12.00	0.00



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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	35.09	0.09	9,425.0	-83.2	-250.9	-57.4	12.00	12.00	0.00
9,475.0	38.09	0.09	9,445.1	-48.3	-250.8	-42.6	12.00	12.00	0.00
9,500.0	41.09	0.09	9,464.3	-32.4	-250.8	-26.6	12.00	12.00	0.00
9,525.0	44.09	0.09	9,482.7	-15.5	-250.8	-9.7	12.00	12.00	0.00
9,550.0	47.09	0.09	9,500.2	2.4	-250.8	8.1	12.00	12.00	0.00
9,575.0	50.09	0.09	9,516.8	21.2	-250.7	26.9	12.00	12.00	0.00
9,600.0	53.09	0.09	9,532.3	40.7	-250.7	46.5	12.00	12.00	0.00
9,625.0	56.09	0.09	9,546.8	61.1	-250.7	66.8	12.00	12.00	0.00
9,650.0	59.09	0.09	9,560.2	82.2	-250.6	87.9	12.00	12.00	0.00
9,675.0	62.09	0.09	9,572.4	104.0	-250.6	109.7	12.00	12.00	0.00
9,700.0	65.09	0.09	9,583.6	126.4	-250.5	132.1	12.00	12.00	0.00
9,721.0	67.61	0.09	9,592.0	145.6	-250.5	151.3	12.00	12.00	0.00
FTP(GG 1 SC #702H)									
9,725.0	68.09	0.09	9,593.5	149.3	-250.5	155.0	12.00	12.00	0.00
9,750.0	71.09	0.09	9,602.2	172.8	-250.5	178.4	12.00	12.00	0.00
9,775.0	74.09	0.09	9,609.7	196.6	-250.4	202.3	12.00	12.00	0.00
9,800.0	77.09	0.09	9,615.9	220.8	-250.4	226.5	12.00	12.00	0.00
9,825.0	80.09	0.09	9,620.8	245.3	-250.4	251.0	12.00	12.00	0.00
9,850.0	83.09	0.09	9,624.5	270.1	-250.3	275.7	12.00	12.00	0.00
9,875.0	86.09	0.09	9,626.9	294.9	-250.3	300.6	12.00	12.00	0.00
9,900.0	89.09	0.09	9,627.9	319.9	-250.2	325.6	12.00	12.00	0.00
9,907.6	90.00	0.09	9,628.0	327.5	-250.2	333.1	12.00	12.00	0.00
10,000.0	90.00	0.09	9,628.0	419.9	-250.1	425.5	0.00	0.00	0.00
10,100.0	90.00	0.09	9,628.0	519.9	-249.9	525.5	0.00	0.00	0.00
10,200.0	90.00	0.09	9,628.0	619.9	-249.7	625.5	0.00	0.00	0.00
10,300.0	90.00	0.09	9,628.0	719.9	-249.6	725.4	0.00	0.00	0.00
10,400.0	90.00	0.09	9,628.0	819.9	-249.4	825.4	0.00	0.00	0.00
10,500.0	90.00	0.09	9,628.0	919.9	-249.2	925.4	0.00	0.00	0.00
10,600.0	90.00	0.09	9,628.0	1,019.9	-249.1	1,025.3	0.00	0.00	0.00
10,700.0	90.00	0.09	9,628.0	1,119.9	-248.9	1,125.3	0.00	0.00	0.00
10,800.0	90.00	0.09	9,628.0	1,219.9	-248.8	1,225.3	0.00	0.00	0.00
10,900.0	90.00	0.09	9,628.0	1,319.9	-248.6	1,325.3	0.00	0.00	0.00
11,000.0	90.00	0.09	9,628.0	1,419.9	-248.4	1,425.2	0.00	0.00	0.00
11,100.0	90.00	0.09	9,628.0	1,519.9	-248.3	1,525.2	0.00	0.00	0.00
11,200.0	90.00	0.09	9,628.0	1,619.9	-248.1	1,625.2	0.00	0.00	0.00
11,300.0	90.00	0.09	9,628.0	1,719.9	-247.9	1,725.1	0.00	0.00	0.00
11,400.0	90.00	0.09	9,628.0	1,819.9	-247.8	1,825.1	0.00	0.00	0.00
11,500.0	90.00	0.09	9,628.0	1,919.9	-247.6	1,925.1	0.00	0.00	0.00
11,600.0	90.00	0.09	9,628.0	2,019.9	-247.4	2,025.0	0.00	0.00	0.00
11,700.0	90.00	0.09	9,628.0	2,119.9	-247.3	2,125.0	0.00	0.00	0.00
11,800.0	90.00	0.09	9,628.0	2,219.9	-247.1	2,225.0	0.00	0.00	0.00
11,900.0	90.00	0.09	9,628.0	2,319.9	-247.0	2,325.0	0.00	0.00	0.00
12,000.0	90.00	0.09	9,628.0	2,419.9	-246.8	2,424.9	0.00	0.00	0.00
12,100.0	90.00	0.09	9,628.0	2,519.9	-246.6	2,524.9	0.00	0.00	0.00
12,200.0	90.00	0.09	9,628.0	2,619.9	-246.5	2,624.9	0.00	0.00	0.00
12,300.0	90.00	0.09	9,628.0	2,719.9	-246.3	2,724.8	0.00	0.00	0.00
12,400.0	90.00	0.09	9,628.0	2,819.9	-246.1	2,824.8	0.00	0.00	0.00
12,500.0	90.00	0.09	9,628.0	2,919.9	-246.0	2,924.8	0.00	0.00	0.00
12,600.0	90.00	0.09	9,628.0	3,019.9	-245.8	3,024.7	0.00	0.00	0.00
12,700.0	90.00	0.09	9,628.0	3,119.9	-245.6	3,124.7	0.00	0.00	0.00
12,800.0	90.00	0.09	9,628.0	3,219.9	-245.5	3,224.7	0.00	0.00	0.00
12,900.0	90.00	0.09	9,628.0	3,319.9	-245.3	3,324.7	0.00	0.00	0.00
13,000.0	90.00	0.09	9,628.0	3,419.9	-245.2	3,424.6	0.00	0.00	0.00
13,100.0	90.00	0.09	9,628.0	3,519.9	-245.0	3,524.6	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: #702H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #702H
 TVD Reference: KB = 25 @ 2966.0usft
 MD Reference: KB = 25 @ 2966.0usft
 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	0.09	9,628.0	3,619.9	-244.8	3,624.6	0.00	0.00	0.00
13,300.0	90.00	0.09	9,628.0	3,719.9	-244.7	3,724.5	0.00	0.00	0.00
13,400.0	90.00	0.09	9,628.0	3,819.9	-244.5	3,824.5	0.00	0.00	0.00
13,500.0	90.00	0.09	9,628.0	3,919.9	-244.3	3,924.5	0.00	0.00	0.00
13,600.0	90.00	0.09	9,628.0	4,019.9	-244.2	4,024.4	0.00	0.00	0.00
13,700.0	90.00	0.09	9,628.0	4,119.9	-244.0	4,124.4	0.00	0.00	0.00
13,800.0	90.00	0.09	9,628.0	4,219.9	-243.8	4,224.4	0.00	0.00	0.00
13,900.0	90.00	0.09	9,628.0	4,319.9	-243.7	4,324.4	0.00	0.00	0.00
14,000.0	90.00	0.09	9,628.0	4,419.9	-243.5	4,424.3	0.00	0.00	0.00
14,100.0	90.00	0.09	9,628.0	4,519.9	-243.3	4,524.3	0.00	0.00	0.00
14,200.0	90.00	0.09	9,628.0	4,619.9	-243.2	4,624.3	0.00	0.00	0.00
14,300.0	90.00	0.09	9,628.0	4,719.9	-243.0	4,724.2	0.00	0.00	0.00
14,400.0	90.00	0.09	9,628.0	4,819.9	-242.9	4,824.2	0.00	0.00	0.00
14,500.0	90.00	0.09	9,628.0	4,919.9	-242.7	4,924.2	0.00	0.00	0.00
14,600.0	90.00	0.09	9,628.0	5,019.9	-242.5	5,024.1	0.00	0.00	0.00
14,700.0	90.00	0.09	9,628.0	5,119.9	-242.4	5,124.1	0.00	0.00	0.00
14,800.0	90.00	0.09	9,628.0	5,219.9	-242.2	5,224.1	0.00	0.00	0.00
14,900.0	90.00	0.09	9,628.0	5,319.9	-242.0	5,324.0	0.00	0.00	0.00
15,000.0	90.00	0.09	9,628.0	5,419.9	-241.9	5,424.0	0.00	0.00	0.00
15,100.0	90.00	0.09	9,628.0	5,519.9	-241.7	5,524.0	0.00	0.00	0.00
15,200.0	90.00	0.09	9,628.0	5,619.9	-241.5	5,624.0	0.00	0.00	0.00
15,300.0	90.00	0.09	9,628.0	5,719.9	-241.4	5,723.9	0.00	0.00	0.00
15,400.0	90.00	0.09	9,628.0	5,819.9	-241.2	5,823.9	0.00	0.00	0.00
15,500.0	90.00	0.09	9,628.0	5,919.9	-241.1	5,923.9	0.00	0.00	0.00
15,600.0	90.00	0.09	9,628.0	6,019.9	-240.9	6,023.8	0.00	0.00	0.00
15,700.0	90.00	0.09	9,628.0	6,119.9	-240.7	6,123.8	0.00	0.00	0.00
15,800.0	90.00	0.09	9,628.0	6,219.9	-240.6	6,223.8	0.00	0.00	0.00
15,900.0	90.00	0.09	9,628.0	6,319.9	-240.4	6,323.7	0.00	0.00	0.00
16,000.0	90.00	0.09	9,628.0	6,419.9	-240.2	6,423.7	0.00	0.00	0.00
16,100.0	90.00	0.09	9,628.0	6,519.9	-240.1	6,523.7	0.00	0.00	0.00
16,200.0	90.00	0.09	9,628.0	6,619.9	-239.9	6,623.7	0.00	0.00	0.00
16,300.0	90.00	0.09	9,628.0	6,719.9	-239.7	6,723.6	0.00	0.00	0.00
16,400.0	90.00	0.09	9,628.0	6,819.9	-239.6	6,823.6	0.00	0.00	0.00
16,500.0	90.00	0.09	9,628.0	6,919.9	-239.4	6,923.6	0.00	0.00	0.00
16,600.0	90.00	0.09	9,628.0	7,019.9	-239.3	7,023.5	0.00	0.00	0.00
16,700.0	90.00	0.09	9,628.0	7,119.9	-239.1	7,123.5	0.00	0.00	0.00
16,800.0	90.00	0.09	9,628.0	7,219.9	-238.9	7,223.5	0.00	0.00	0.00
16,900.0	90.00	0.09	9,628.0	7,319.9	-238.8	7,323.4	0.00	0.00	0.00
17,000.0	90.00	0.09	9,628.0	7,419.9	-238.6	7,423.4	0.00	0.00	0.00
17,100.0	90.00	0.09	9,628.0	7,519.9	-238.4	7,523.4	0.00	0.00	0.00
17,200.0	90.00	0.09	9,628.0	7,619.9	-238.3	7,623.4	0.00	0.00	0.00
17,300.0	90.00	0.09	9,628.0	7,719.9	-238.1	7,723.3	0.00	0.00	0.00
17,400.0	90.00	0.09	9,628.0	7,819.9	-237.9	7,823.3	0.00	0.00	0.00
17,500.0	90.00	0.09	9,628.0	7,919.9	-237.8	7,923.3	0.00	0.00	0.00
17,600.0	90.00	0.09	9,628.0	8,019.9	-237.6	8,023.2	0.00	0.00	0.00
17,700.0	90.00	0.09	9,628.0	8,119.9	-237.4	8,123.2	0.00	0.00	0.00
17,800.0	90.00	0.09	9,628.0	8,219.9	-237.3	8,223.2	0.00	0.00	0.00
17,900.0	90.00	0.09	9,628.0	8,319.9	-237.1	8,323.1	0.00	0.00	0.00
18,000.0	90.00	0.09	9,628.0	8,419.9	-237.0	8,423.1	0.00	0.00	0.00
18,100.0	90.00	0.09	9,628.0	8,519.9	-236.8	8,523.1	0.00	0.00	0.00
18,200.0	90.00	0.09	9,628.0	8,619.9	-236.6	8,623.1	0.00	0.00	0.00
18,300.0	90.00	0.09	9,628.0	8,719.9	-236.5	8,723.0	0.00	0.00	0.00
18,400.0	90.00	0.09	9,628.0	8,819.9	-236.3	8,823.0	0.00	0.00	0.00
18,500.0	90.00	0.09	9,628.0	8,919.9	-236.1	8,923.0	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)
18,600.0	90.00	0.09	9,628.0	9,019.9	-236.0	9,022.9	0.00	0.00	0.00
18,700.0	90.00	0.09	9,628.0	9,119.9	-235.8	9,122.9	0.00	0.00	0.00
18,800.0	90.00	0.09	9,628.0	9,219.9	-235.6	9,222.9	0.00	0.00	0.00
18,900.0	90.00	0.09	9,628.0	9,319.9	-235.5	9,322.8	0.00	0.00	0.00
19,000.0	90.00	0.09	9,628.0	9,419.9	-235.3	9,422.8	0.00	0.00	0.00
19,100.0	90.00	0.09	9,628.0	9,519.9	-235.2	9,522.8	0.00	0.00	0.00
19,200.0	90.00	0.09	9,628.0	9,619.9	-235.0	9,622.8	0.00	0.00	0.00
19,300.0	90.00	0.09	9,628.0	9,719.9	-234.8	9,722.7	0.00	0.00	0.00
19,400.0	90.00	0.09	9,628.0	9,819.9	-234.7	9,822.7	0.00	0.00	0.00
19,500.0	90.00	0.09	9,628.0	9,919.9	-234.5	9,922.7	0.00	0.00	0.00
19,600.0	90.00	0.09	9,628.0	10,019.9	-234.3	10,022.6	0.00	0.00	0.00
19,700.0	90.00	0.09	9,628.0	10,119.9	-234.2	10,122.6	0.00	0.00	0.00
19,805.1	90.00	0.09	9,628.0	10,225.0	-234.0	10,227.7	0.00	0.00	0.00

PBHL(GG 1 SC #702H)

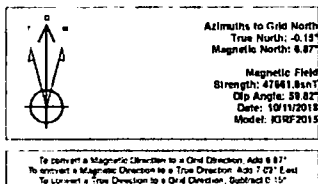
Design Targets

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 #702H) - plan hits target center - Point	0.00	0.01	9,150.5	-150.0	-251.0	387,325.00	630,310.00	32° 3' 52.239 N	104° 2' 46.008 W
FTP(GG 1 SC #702H) - plan misses target center by 39.3usft at 9721.0usft MD (9592.0 TVD, 145.6 N, -250.5 E) - Point	0.00	0.00	9,628.0	130.0	-251.0	387,605.00	630,310.00	32° 3' 55.010 N	104° 2' 46.000 W
PBHL(GG 1 SC #702H) - plan hits target center - Point	0.00	0.00	9,628.0	10,225.0	-234.0	397,700.00	630,327.00	32° 5' 34.911 N	104° 2' 45.490 W



Eddy County, NM (NAD 83 NME)
Golden Graham 1 State Com #702H
Plan #0.1



PROJECT DETAILS: Eddy County, NM (NAD 83 NME)
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #702H

KB = 21 @ 2968.0m

North	East	Lat	Long
387475.00	630561.00	32° 3' 53.717 N	104° 2' 43.087 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+NLS	+E/W	Dleg	TFace	VSecl	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0	
3	3139.2	2.78	239.14	3139.2	-1.7	-2.9	2.00	239.14	-1.7	
4	9018.3	2.78	239.14	9011.3	-148.3	-248.1	0.00	0.00	-142.3	
5	9157.6	0.00	0.00	9150.5	-150.0	-251.0	2.00	180.00	-144.2	KOP(GG 1 SC #702H)
6	9907.6	90.00	0.00	9928.0	327.5	-250.2	12.00	0.00	333.1	
7	19805.1	90.00	0.00	9928.0	10225.0	-234.0	0.00	0.00	10227.7	PBHL(GG 1 SC #702H)

WELLBORE TARGET DETAILS (MAP COORDINATES)

Name	TVD	+NLS	+E/W	North	East
KOP(GG 1 SC #702H)	9150.5	-150.0	-251.0	387375.00	630318.00
FTP(GG 1 SC #702H)	9928.0	132.9	-251.0	387808.00	630318.00
PBHL(GG 1 SC #702H)	9928.0	10225.0	-234.0	387790.00	630327.00

