





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Gem 36 State Com

#708H

OH

Plan: Plan #0.1

Standard Planning Report

06 December, 2017

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #708H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3373.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3373.0usft
Site:	Gem 36 State Com	North Reference:	Grid
Well:	#708H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	Gem 36 State Com				
Site Position:		Northing:	393,686.00 usft	Latitude:	32° 4' 49.331 N
From:	Map	Easting:	759,213.00 usft	Longitude:	103° 37' 47.552 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.37 °

Well	#708H					
Well Position	+N/-S	-16.0 usft	Northing:	393,670.00 usft	Latitude:	32° 4' 49.242 N
	+E/-W	-1,083.0 usft	Easting:	758,130.00 usft	Longitude:	103° 38' 0.140 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,348.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/6/2017	6.92	59.91	47,798.35519697

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	356.30	

Plan Survey Tool Program	Date	12/6/2017			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	16,043.5 Plan #0.1 (OH)	MWD		
			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	
3,284.1	2.84	242.83	3,284.0	-3.2	-6.3	1.00	1.00	0.00	242.83	
10,763.3	2.84	242.83	10,754.0	-172.5	-336.1	0.00	0.00	0.00	0.00	
11,524.3	90.00	0.52	11,242.0	305.0	-353.2	12.00	11.45	15.47	117.67	
16,043.5	90.00	0.52	11,242.0	4,824.0	-312.0	0.00	0.00	0.00	0.00	PBHL (Gem 36 State)

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Gem 36 State Com
 Well: #708H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:

Well #708H
 KB = 25 @ 3373.0usft
 KB = 25 @ 3373.0usft
 Grid
 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)
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	1.00	242.83	3,100.0	-0.4	-0.8	-0.3	1.00	1.00	0.00
3,200.0	2.00	242.83	3,200.0	-1.6	-3.1	-1.4	1.00	1.00	0.00
3,284.1	2.84	242.83	3,284.0	-3.2	-6.3	-2.8	1.00	1.00	0.00
3,300.0	2.84	242.83	3,299.9	-3.6	-7.0	-3.1	0.00	0.00	0.00
3,400.0	2.84	242.83	3,399.7	-5.8	-11.4	-5.1	0.00	0.00	0.00
3,500.0	2.84	242.83	3,499.6	-8.1	-15.8	-7.1	0.00	0.00	0.00
3,600.0	2.84	242.83	3,599.5	-10.4	-20.2	-9.0	0.00	0.00	0.00
3,700.0	2.84	242.83	3,699.4	-12.6	-24.6	-11.0	0.00	0.00	0.00
3,800.0	2.84	242.83	3,799.2	-14.9	-29.0	-13.0	0.00	0.00	0.00
3,900.0	2.84	242.83	3,899.1	-17.2	-33.4	-15.0	0.00	0.00	0.00
4,000.0	2.84	242.83	3,999.0	-19.4	-37.8	-16.9	0.00	0.00	0.00
4,100.0	2.84	242.83	4,098.9	-21.7	-42.2	-18.9	0.00	0.00	0.00
4,200.0	2.84	242.83	4,198.8	-23.9	-46.7	-20.9	0.00	0.00	0.00
4,300.0	2.84	242.83	4,298.6	-26.2	-51.1	-22.9	0.00	0.00	0.00
4,400.0	2.84	242.83	4,398.5	-28.5	-55.5	-24.8	0.00	0.00	0.00
4,500.0	2.84	242.83	4,498.4	-30.7	-59.9	-26.8	0.00	0.00	0.00
4,600.0	2.84	242.83	4,598.3	-33.0	-64.3	-28.8	0.00	0.00	0.00
4,700.0	2.84	242.83	4,698.1	-35.3	-68.7	-30.8	0.00	0.00	0.00
4,800.0	2.84	242.83	4,798.0	-37.5	-73.1	-32.7	0.00	0.00	0.00
4,900.0	2.84	242.83	4,897.9	-39.8	-77.5	-34.7	0.00	0.00	0.00
5,000.0	2.84	242.83	4,997.8	-42.1	-81.9	-36.7	0.00	0.00	0.00
5,100.0	2.84	242.83	5,097.7	-44.3	-86.3	-38.7	0.00	0.00	0.00
5,200.0	2.84	242.83	5,197.5	-46.6	-90.8	-40.6	0.00	0.00	0.00

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Gem 36 State Com
 Well: #708H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:

Well #708H
 KB = 25 @ 3373.0usft
 KB = 25 @ 3373.0usft
 Grid
 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	2.84	242.83	5,297.4	-48.9	-95.2	-42.6	0.00	0.00	0.00
5,400.0	2.84	242.83	5,397.3	-51.1	-99.6	-44.6	0.00	0.00	0.00
5,500.0	2.84	242.83	5,497.2	-53.4	-104.0	-46.6	0.00	0.00	0.00
5,600.0	2.84	242.83	5,597.0	-55.6	-108.4	-48.5	0.00	0.00	0.00
5,700.0	2.84	242.83	5,696.9	-57.9	-112.8	-50.5	0.00	0.00	0.00
5,800.0	2.84	242.83	5,796.8	-60.2	-117.2	-52.5	0.00	0.00	0.00
5,900.0	2.84	242.83	5,896.7	-62.4	-121.6	-54.5	0.00	0.00	0.00
6,000.0	2.84	242.83	5,996.5	-64.7	-126.0	-56.4	0.00	0.00	0.00
6,100.0	2.84	242.83	6,096.4	-67.0	-130.4	-58.4	0.00	0.00	0.00
6,200.0	2.84	242.83	6,196.3	-69.2	-134.9	-60.4	0.00	0.00	0.00
6,300.0	2.84	242.83	6,296.2	-71.5	-139.3	-62.4	0.00	0.00	0.00
6,400.0	2.84	242.83	6,396.1	-73.8	-143.7	-64.3	0.00	0.00	0.00
6,500.0	2.84	242.83	6,495.9	-76.0	-148.1	-66.3	0.00	0.00	0.00
6,600.0	2.84	242.83	6,595.8	-78.3	-152.5	-68.3	0.00	0.00	0.00
6,700.0	2.84	242.83	6,695.7	-80.5	-156.9	-70.2	0.00	0.00	0.00
6,800.0	2.84	242.83	6,795.6	-82.8	-161.3	-72.2	0.00	0.00	0.00
6,900.0	2.84	242.83	6,895.4	-85.1	-165.7	-74.2	0.00	0.00	0.00
7,000.0	2.84	242.83	6,995.3	-87.3	-170.1	-76.2	0.00	0.00	0.00
7,100.0	2.84	242.83	7,095.2	-89.6	-174.5	-78.1	0.00	0.00	0.00
7,200.0	2.84	242.83	7,195.1	-91.9	-178.9	-80.1	0.00	0.00	0.00
7,300.0	2.84	242.83	7,294.9	-94.1	-183.4	-82.1	0.00	0.00	0.00
7,400.0	2.84	242.83	7,394.8	-96.4	-187.8	-84.1	0.00	0.00	0.00
7,500.0	2.84	242.83	7,494.7	-98.7	-192.2	-86.0	0.00	0.00	0.00
7,600.0	2.84	242.83	7,594.6	-100.9	-196.6	-88.0	0.00	0.00	0.00
7,700.0	2.84	242.83	7,694.5	-103.2	-201.0	-90.0	0.00	0.00	0.00
7,800.0	2.84	242.83	7,794.3	-105.4	-205.4	-92.0	0.00	0.00	0.00
7,900.0	2.84	242.83	7,894.2	-107.7	-209.8	-93.9	0.00	0.00	0.00
8,000.0	2.84	242.83	7,994.1	-110.0	-214.2	-95.9	0.00	0.00	0.00
8,100.0	2.84	242.83	8,094.0	-112.2	-218.6	-97.9	0.00	0.00	0.00
8,200.0	2.84	242.83	8,193.8	-114.5	-223.0	-99.9	0.00	0.00	0.00
8,300.0	2.84	242.83	8,293.7	-116.8	-227.5	-101.8	0.00	0.00	0.00
8,400.0	2.84	242.83	8,393.6	-119.0	-231.9	-103.8	0.00	0.00	0.00
8,500.0	2.84	242.83	8,493.5	-121.3	-236.3	-105.8	0.00	0.00	0.00
8,600.0	2.84	242.83	8,593.3	-123.6	-240.7	-107.8	0.00	0.00	0.00
8,700.0	2.84	242.83	8,693.2	-125.8	-245.1	-109.7	0.00	0.00	0.00
8,800.0	2.84	242.83	8,793.1	-128.1	-249.5	-111.7	0.00	0.00	0.00
8,900.0	2.84	242.83	8,893.0	-130.3	-253.9	-113.7	0.00	0.00	0.00
9,000.0	2.84	242.83	8,992.9	-132.6	-258.3	-115.7	0.00	0.00	0.00
9,100.0	2.84	242.83	9,092.7	-134.9	-262.7	-117.6	0.00	0.00	0.00
9,200.0	2.84	242.83	9,192.6	-137.1	-267.1	-119.6	0.00	0.00	0.00
9,300.0	2.84	242.83	9,292.5	-139.4	-271.6	-121.6	0.00	0.00	0.00
9,400.0	2.84	242.83	9,392.4	-141.7	-276.0	-123.6	0.00	0.00	0.00
9,500.0	2.84	242.83	9,492.2	-143.9	-280.4	-125.5	0.00	0.00	0.00
9,600.0	2.84	242.83	9,592.1	-146.2	-284.8	-127.5	0.00	0.00	0.00
9,700.0	2.84	242.83	9,692.0	-148.5	-289.2	-129.5	0.00	0.00	0.00
9,800.0	2.84	242.83	9,791.9	-150.7	-293.6	-131.5	0.00	0.00	0.00
9,900.0	2.84	242.83	9,891.8	-153.0	-298.0	-133.4	0.00	0.00	0.00
10,000.0	2.84	242.83	9,991.6	-155.2	-302.4	-135.4	0.00	0.00	0.00
10,100.0	2.84	242.83	10,091.5	-157.5	-306.8	-137.4	0.00	0.00	0.00
10,200.0	2.84	242.83	10,191.4	-159.8	-311.2	-139.4	0.00	0.00	0.00
10,300.0	2.84	242.83	10,291.3	-162.0	-315.7	-141.3	0.00	0.00	0.00
10,400.0	2.84	242.83	10,391.1	-164.3	-320.1	-143.3	0.00	0.00	0.00
10,500.0	2.84	242.83	10,491.0	-166.6	-324.5	-145.3	0.00	0.00	0.00
10,600.0	2.84	242.83	10,590.9	-168.8	-328.9	-147.3	0.00	0.00	0.00

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Gem 36 State Com
Well: #708H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well #708H
KB = 25 @ 3373.0usft
KB = 25 @ 3373.0usft
Grid
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)
10,700.0	2.84	242.83	10,690.8	-171.1	-333.3	-149.2	0.00	0.00	0.00
10,763.3	2.84	242.83	10,754.0	-172.5	-336.1	-150.5	0.00	0.00	0.00
10,775.0	2.52	272.39	10,765.7	-172.6	-336.6	-150.6	12.00	-2.77	253.01
10,800.0	3.98	321.33	10,790.6	-171.9	-337.7	-149.8	12.00	5.84	195.77
10,825.0	6.58	338.13	10,815.5	-169.9	-338.8	-147.7	12.00	10.41	67.20
10,850.0	9.42	345.16	10,840.3	-166.6	-339.8	-144.4	12.00	11.36	28.14
10,875.0	12.34	348.93	10,864.8	-162.0	-340.9	-139.7	12.00	11.66	15.07
10,900.0	15.29	351.27	10,889.1	-156.2	-341.9	-133.8	12.00	11.79	9.35
10,925.0	18.25	352.86	10,913.0	-149.0	-342.9	-126.6	12.00	11.86	6.38
10,950.0	21.22	354.03	10,936.6	-140.6	-343.8	-118.1	12.00	11.90	4.64
10,975.0	24.21	354.91	10,959.6	-131.0	-344.7	-108.5	12.00	11.92	3.55
11,000.0	27.19	355.61	10,982.2	-120.2	-345.6	-97.7	12.00	11.94	2.81
11,025.0	30.18	356.19	11,004.1	-108.2	-346.5	-85.7	12.00	11.95	2.29
11,050.0	33.17	356.67	11,025.4	-95.1	-347.3	-72.5	12.00	11.96	1.91
11,075.0	36.16	357.07	11,045.9	-81.0	-348.1	-58.3	12.00	11.96	1.63
11,100.0	39.15	357.43	11,065.7	-65.7	-348.8	-43.0	12.00	11.97	1.41
11,125.0	42.14	357.74	11,084.7	-49.4	-349.5	-26.8	12.00	11.97	1.24
11,150.0	45.14	358.02	11,102.8	-32.2	-350.1	-9.5	12.00	11.98	1.11
11,175.0	48.13	358.26	11,119.9	-14.0	-350.7	8.6	12.00	11.98	1.00
11,200.0	51.13	358.49	11,136.1	5.0	-351.3	27.7	12.00	11.98	0.91
11,225.0	54.12	358.70	11,151.3	24.9	-351.7	47.5	12.00	11.98	0.83
11,250.0	57.12	358.89	11,165.4	45.5	-352.2	68.1	12.00	11.98	0.77
11,275.0	60.11	359.07	11,178.4	66.8	-352.6	89.4	12.00	11.98	0.72
11,300.0	63.11	359.25	11,190.3	88.8	-352.9	111.4	12.00	11.99	0.68
11,325.0	66.11	359.41	11,201.0	111.4	-353.1	134.0	12.00	11.99	0.65
11,350.0	69.10	359.56	11,210.6	134.5	-353.3	157.0	12.00	11.99	0.62
11,375.0	72.10	359.71	11,218.9	158.1	-353.5	180.6	12.00	11.99	0.59
11,400.0	75.10	359.85	11,225.9	182.1	-353.6	204.5	12.00	11.99	0.57
11,425.0	78.09	359.99	11,231.7	206.4	-353.6	228.8	12.00	11.99	0.56
11,450.0	81.09	0.13	11,236.2	231.0	-353.6	253.3	12.00	11.99	0.54
11,475.0	84.09	0.26	11,239.5	255.8	-353.5	278.0	12.00	11.99	0.54
11,500.0	87.08	0.39	11,241.4	280.7	-353.4	302.9	12.00	11.99	0.53
11,524.3	90.00	0.52	11,242.0	305.0	-353.2	327.1	12.00	11.99	0.53
11,600.0	90.00	0.52	11,242.0	380.7	-352.5	402.6	0.00	0.00	0.00
11,700.0	90.00	0.52	11,242.0	480.7	-351.6	502.4	0.00	0.00	0.00
11,800.0	90.00	0.52	11,242.0	580.7	-350.7	602.1	0.00	0.00	0.00
11,900.0	90.00	0.52	11,242.0	680.7	-349.8	701.8	0.00	0.00	0.00
12,000.0	90.00	0.52	11,242.0	780.7	-348.8	801.5	0.00	0.00	0.00
12,100.0	90.00	0.52	11,242.0	880.6	-347.9	901.3	0.00	0.00	0.00
12,200.0	90.00	0.52	11,242.0	980.6	-347.0	1,001.0	0.00	0.00	0.00
12,300.0	90.00	0.52	11,242.0	1,080.6	-346.1	1,100.7	0.00	0.00	0.00
12,400.0	90.00	0.52	11,242.0	1,180.6	-345.2	1,200.5	0.00	0.00	0.00
12,500.0	90.00	0.52	11,242.0	1,280.6	-344.3	1,300.2	0.00	0.00	0.00
12,600.0	90.00	0.52	11,242.0	1,380.6	-343.4	1,399.9	0.00	0.00	0.00
12,700.0	90.00	0.52	11,242.0	1,480.6	-342.5	1,499.6	0.00	0.00	0.00
12,800.0	90.00	0.52	11,242.0	1,580.6	-341.6	1,599.4	0.00	0.00	0.00
12,900.0	90.00	0.52	11,242.0	1,680.6	-340.6	1,699.1	0.00	0.00	0.00
13,000.0	90.00	0.52	11,242.0	1,780.6	-339.7	1,798.8	0.00	0.00	0.00
13,100.0	90.00	0.52	11,242.0	1,880.6	-338.8	1,898.6	0.00	0.00	0.00
13,200.0	90.00	0.52	11,242.0	1,980.6	-337.9	1,998.3	0.00	0.00	0.00
13,300.0	90.00	0.52	11,242.0	2,080.6	-337.0	2,098.0	0.00	0.00	0.00
13,400.0	90.00	0.52	11,242.0	2,180.6	-336.1	2,197.7	0.00	0.00	0.00
13,500.0	90.00	0.52	11,242.0	2,280.6	-335.2	2,297.5	0.00	0.00	0.00
13,600.0	90.00	0.52	11,242.0	2,380.6	-334.3	2,397.2	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #708H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3373.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3373.0usft
Site:	Gem 36 State Com	North Reference:	Grid
Well:	#708H	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)
13,700.0	90.00	0.52	11,242.0	2,480.6	-333.4	2,496.9	0.00	0.00	0.00
13,800.0	90.00	0.52	11,242.0	2,580.6	-332.4	2,596.7	0.00	0.00	0.00
13,900.0	90.00	0.52	11,242.0	2,680.6	-331.5	2,696.4	0.00	0.00	0.00
14,000.0	90.00	0.52	11,242.0	2,780.6	-330.6	2,796.1	0.00	0.00	0.00
14,100.0	90.00	0.52	11,242.0	2,880.6	-329.7	2,895.8	0.00	0.00	0.00
14,200.0	90.00	0.52	11,242.0	2,980.6	-328.8	2,995.6	0.00	0.00	0.00
14,300.0	90.00	0.52	11,242.0	3,080.6	-327.9	3,095.3	0.00	0.00	0.00
14,400.0	90.00	0.52	11,242.0	3,180.6	-327.0	3,195.0	0.00	0.00	0.00
14,500.0	90.00	0.52	11,242.0	3,280.5	-326.1	3,294.8	0.00	0.00	0.00
14,600.0	90.00	0.52	11,242.0	3,380.5	-325.2	3,394.5	0.00	0.00	0.00
14,700.0	90.00	0.52	11,242.0	3,480.5	-324.2	3,494.2	0.00	0.00	0.00
14,800.0	90.00	0.52	11,242.0	3,580.5	-323.3	3,593.9	0.00	0.00	0.00
14,900.0	90.00	0.52	11,242.0	3,680.5	-322.4	3,693.7	0.00	0.00	0.00
15,000.0	90.00	0.52	11,242.0	3,780.5	-321.5	3,793.4	0.00	0.00	0.00
15,100.0	90.00	0.52	11,242.0	3,880.5	-320.6	3,893.1	0.00	0.00	0.00
15,200.0	90.00	0.52	11,242.0	3,980.5	-319.7	3,992.9	0.00	0.00	0.00
15,300.0	90.00	0.52	11,242.0	4,080.5	-318.8	4,092.6	0.00	0.00	0.00
15,400.0	90.00	0.52	11,242.0	4,180.5	-317.9	4,192.3	0.00	0.00	0.00
15,500.0	90.00	0.52	11,242.0	4,280.5	-317.0	4,292.0	0.00	0.00	0.00
15,600.0	90.00	0.52	11,242.0	4,380.5	-316.0	4,391.8	0.00	0.00	0.00
15,700.0	90.00	0.52	11,242.0	4,480.5	-315.1	4,491.5	0.00	0.00	0.00
15,800.0	90.00	0.52	11,242.0	4,580.5	-314.2	4,591.2	0.00	0.00	0.00
15,900.0	90.00	0.52	11,242.0	4,680.5	-313.3	4,691.0	0.00	0.00	0.00
16,000.0	90.00	0.52	11,242.0	4,780.5	-312.4	4,790.7	0.00	0.00	0.00
16,043.5	90.00	0.52	11,242.0	4,824.0	-312.0	4,834.1	0.00	0.00	0.00

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
FTP (Gem 36 State Corr - plan misses target center by 40.2usft at 11334.7usft MD (11204.9 TVD, 120.3 N, -353.2 E) - Point	0.00	0.00	11,242.0	105.0	-355.0	393,775.00	757,775.00	32° 4' 50.304 N	103° 38' 4.259 W
PBHL (Gem 36 State Co - plan hits target center - Point	0.00	0.00	11,242.0	4,824.0	-312.0	398,494.00	757,818.00	32° 5' 36.998 N	103° 38' 3.403 W