



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Ares 4 State

#503H

140318

OH

Plan: Plan #1

Standard Planning Report

31 May, 2019

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Ares 4 State
Well: #503H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #503H
TVD Reference: KB = 25' @ 3604.0usft
MD Reference: KB = 25' @ 3604.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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	Ares 4 State		
Site Position:		Northing:	451,993.00 usft
From:	Map	Easting:	777,413.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 14' 25.072 N
		Longitude:	103° 34' 11.215 W
		Grid Convergence:	0.41 °

Well	#503H		
Well Position	+N/-S	64.0 usft	Northing: 452,057.00 usft
	+E/-W	-101.0 usft	Easting: 777,312.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 14' 25.712 N
		Longitude:	103° 34' 12.385 W
		Ground Level:	3,579.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	4/20/2017	6.97
		Dip Angle (°)	60.08
		Field Strength (nT)	47,963.34061397

Design	Plan #1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
		Direction (°)	348.08

Plan Survey Tool Program	Date 5/31/2019		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name
1	0.0	16,154.4 Plan #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	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,833.2	6.66	250.17	1,832.4	-6.6	-18.2	2.00	2.00	0.00	250.17	
10,367.0	6.66	250.17	10,308.6	-342.4	-949.8	0.00	0.00	0.00	0.00	
10,700.2	0.00	0.00	10,641.0	-349.0	-968.0	2.00	-2.00	0.00	180.00	KOP(Ares 4 State #503H)
11,600.1	90.00	359.54	11,214.0	223.9	-972.6	10.00	10.00	-0.05	359.54	
16,154.4	90.00	359.54	11,214.0	4,778.0	-1,009.0	0.00	0.00	0.00	0.00	PBHL (Ares 4 State #503H)



Planning Report

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Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3604.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3604.0usft
Site:	Ares 4 State	North Reference:	Grid
Well:	#503H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #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	2.00	250.17	1,600.0	-0.6	-1.6	-0.2	2.00	2.00	0.00
1,700.0	4.00	250.17	1,699.8	-2.4	-6.6	-1.0	2.00	2.00	0.00
1,800.0	6.00	250.17	1,799.5	-5.3	-14.8	-2.2	2.00	2.00	0.00
1,833.2	6.66	250.17	1,832.4	-6.6	-18.2	-2.7	2.00	2.00	0.00
1,900.0	6.66	250.17	1,898.8	-9.2	-25.5	-3.7	0.00	0.00	0.00
2,000.0	6.66	250.17	1,998.1	-13.1	-36.4	-5.3	0.00	0.00	0.00
2,100.0	6.66	250.17	2,097.4	-17.1	-47.3	-6.9	0.00	0.00	0.00
2,200.0	6.66	250.17	2,196.8	-21.0	-58.2	-8.5	0.00	0.00	0.00
2,300.0	6.66	250.17	2,296.1	-24.9	-69.2	-10.1	0.00	0.00	0.00
2,400.0	6.66	250.17	2,395.4	-28.9	-80.1	-11.7	0.00	0.00	0.00
2,500.0	6.66	250.17	2,494.7	-32.8	-91.0	-13.3	0.00	0.00	0.00
2,600.0	6.66	250.17	2,594.1	-36.7	-101.9	-14.9	0.00	0.00	0.00
2,700.0	6.66	250.17	2,693.4	-40.7	-112.8	-16.5	0.00	0.00	0.00
2,800.0	6.66	250.17	2,792.7	-44.6	-123.7	-18.1	0.00	0.00	0.00
2,900.0	6.66	250.17	2,892.0	-48.6	-134.7	-19.7	0.00	0.00	0.00
3,000.0	6.66	250.17	2,991.4	-52.5	-145.6	-21.3	0.00	0.00	0.00
3,100.0	6.66	250.17	3,090.7	-56.4	-156.5	-22.9	0.00	0.00	0.00
3,200.0	6.66	250.17	3,190.0	-60.4	-167.4	-24.5	0.00	0.00	0.00
3,300.0	6.66	250.17	3,289.3	-64.3	-178.3	-26.1	0.00	0.00	0.00
3,400.0	6.66	250.17	3,388.7	-68.2	-189.2	-27.7	0.00	0.00	0.00
3,500.0	6.66	250.17	3,488.0	-72.2	-200.2	-29.3	0.00	0.00	0.00
3,600.0	6.66	250.17	3,587.3	-76.1	-211.1	-30.8	0.00	0.00	0.00
3,700.0	6.66	250.17	3,686.6	-80.0	-222.0	-32.4	0.00	0.00	0.00
3,800.0	6.66	250.17	3,786.0	-84.0	-232.9	-34.0	0.00	0.00	0.00
3,900.0	6.66	250.17	3,885.3	-87.9	-243.8	-35.6	0.00	0.00	0.00
4,000.0	6.66	250.17	3,984.6	-91.8	-254.7	-37.2	0.00	0.00	0.00
4,100.0	6.66	250.17	4,083.9	-95.8	-265.7	-38.8	0.00	0.00	0.00
4,200.0	6.66	250.17	4,183.3	-99.7	-276.6	-40.4	0.00	0.00	0.00
4,300.0	6.66	250.17	4,282.6	-103.7	-287.5	-42.0	0.00	0.00	0.00
4,400.0	6.66	250.17	4,381.9	-107.6	-298.4	-43.6	0.00	0.00	0.00
4,500.0	6.66	250.17	4,481.2	-111.5	-309.3	-45.2	0.00	0.00	0.00
4,600.0	6.66	250.17	4,580.6	-115.5	-320.2	-46.8	0.00	0.00	0.00
4,700.0	6.66	250.17	4,679.9	-119.4	-331.2	-48.4	0.00	0.00	0.00
4,800.0	6.66	250.17	4,779.2	-123.3	-342.1	-50.0	0.00	0.00	0.00
4,900.0	6.66	250.17	4,878.5	-127.3	-353.0	-51.6	0.00	0.00	0.00
5,000.0	6.66	250.17	4,977.9	-131.2	-363.9	-53.2	0.00	0.00	0.00
5,100.0	6.66	250.17	5,077.2	-135.1	-374.8	-54.8	0.00	0.00	0.00
5,200.0	6.66	250.17	5,176.5	-139.1	-385.7	-56.4	0.00	0.00	0.00

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Site:	Ares 4 State	North Reference:	Grid
Well:	#503H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #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)	
5,300.0	6.66	250.17	5,275.8	-143.0	-396.7	-58.0	0.00	0.00	0.00	
5,400.0	6.66	250.17	5,375.2	-146.9	-407.6	-59.6	0.00	0.00	0.00	
5,500.0	6.66	250.17	5,474.5	-150.9	-418.5	-61.2	0.00	0.00	0.00	
5,600.0	6.66	250.17	5,573.8	-154.8	-429.4	-62.8	0.00	0.00	0.00	
5,700.0	6.66	250.17	5,673.1	-158.8	-440.3	-64.3	0.00	0.00	0.00	
5,800.0	6.66	250.17	5,772.5	-162.7	-451.2	-65.9	0.00	0.00	0.00	
5,900.0	6.66	250.17	5,871.8	-166.6	-462.2	-67.5	0.00	0.00	0.00	
6,000.0	6.66	250.17	5,971.1	-170.6	-473.1	-69.1	0.00	0.00	0.00	
6,100.0	6.66	250.17	6,070.4	-174.5	-484.0	-70.7	0.00	0.00	0.00	
6,200.0	6.66	250.17	6,169.7	-178.4	-494.9	-72.3	0.00	0.00	0.00	
6,300.0	6.66	250.17	6,269.1	-182.4	-505.8	-73.9	0.00	0.00	0.00	
6,400.0	6.66	250.17	6,368.4	-186.3	-516.7	-75.5	0.00	0.00	0.00	
6,500.0	6.66	250.17	6,467.7	-190.2	-527.7	-77.1	0.00	0.00	0.00	
6,600.0	6.66	250.17	6,567.0	-194.2	-538.6	-78.7	0.00	0.00	0.00	
6,700.0	6.66	250.17	6,666.4	-198.1	-549.5	-80.3	0.00	0.00	0.00	
6,800.0	6.66	250.17	6,765.7	-202.0	-560.4	-81.9	0.00	0.00	0.00	
6,900.0	6.66	250.17	6,865.0	-206.0	-571.3	-83.5	0.00	0.00	0.00	
7,000.0	6.66	250.17	6,964.3	-209.9	-582.2	-85.1	0.00	0.00	0.00	
7,100.0	6.66	250.17	7,063.7	-213.9	-593.2	-86.7	0.00	0.00	0.00	
7,200.0	6.66	250.17	7,163.0	-217.8	-604.1	-88.3	0.00	0.00	0.00	
7,300.0	6.66	250.17	7,262.3	-221.7	-615.0	-89.9	0.00	0.00	0.00	
7,400.0	6.66	250.17	7,361.6	-225.7	-625.9	-91.5	0.00	0.00	0.00	
7,500.0	6.66	250.17	7,461.0	-229.6	-636.8	-93.1	0.00	0.00	0.00	
7,600.0	6.66	250.17	7,560.3	-233.5	-647.7	-94.7	0.00	0.00	0.00	
7,700.0	6.66	250.17	7,659.6	-237.5	-658.7	-96.3	0.00	0.00	0.00	
7,800.0	6.66	250.17	7,758.9	-241.4	-669.6	-97.8	0.00	0.00	0.00	
7,900.0	6.66	250.17	7,858.3	-245.3	-680.5	-99.4	0.00	0.00	0.00	
8,000.0	6.66	250.17	7,957.6	-249.3	-691.4	-101.0	0.00	0.00	0.00	
8,100.0	6.66	250.17	8,056.9	-253.2	-702.3	-102.6	0.00	0.00	0.00	
8,200.0	6.66	250.17	8,156.2	-257.1	-713.2	-104.2	0.00	0.00	0.00	
8,300.0	6.66	250.17	8,255.6	-261.1	-724.2	-105.8	0.00	0.00	0.00	
8,400.0	6.66	250.17	8,354.9	-265.0	-735.1	-107.4	0.00	0.00	0.00	
8,500.0	6.66	250.17	8,454.2	-269.0	-746.0	-109.0	0.00	0.00	0.00	
8,600.0	6.66	250.17	8,553.5	-272.9	-756.9	-110.6	0.00	0.00	0.00	
8,700.0	6.66	250.17	8,652.9	-276.8	-767.8	-112.2	0.00	0.00	0.00	
8,800.0	6.66	250.17	8,752.2	-280.8	-778.7	-113.8	0.00	0.00	0.00	
8,900.0	6.66	250.17	8,851.5	-284.7	-789.7	-115.4	0.00	0.00	0.00	
9,000.0	6.66	250.17	8,950.8	-288.6	-800.6	-117.0	0.00	0.00	0.00	
9,100.0	6.66	250.17	9,050.2	-292.6	-811.5	-118.6	0.00	0.00	0.00	
9,200.0	6.66	250.17	9,149.5	-296.5	-822.4	-120.2	0.00	0.00	0.00	
9,300.0	6.66	250.17	9,248.8	-300.4	-833.3	-121.8	0.00	0.00	0.00	
9,400.0	6.66	250.17	9,348.1	-304.4	-844.2	-123.4	0.00	0.00	0.00	
9,500.0	6.66	250.17	9,447.5	-308.3	-855.2	-125.0	0.00	0.00	0.00	
9,600.0	6.66	250.17	9,546.8	-312.2	-866.1	-126.6	0.00	0.00	0.00	
9,700.0	6.66	250.17	9,646.1	-316.2	-877.0	-128.2	0.00	0.00	0.00	
9,800.0	6.66	250.17	9,745.4	-320.1	-887.9	-129.8	0.00	0.00	0.00	
9,900.0	6.66	250.17	9,844.8	-324.1	-898.8	-131.4	0.00	0.00	0.00	
10,000.0	6.66	250.17	9,944.1	-328.0	-909.7	-132.9	0.00	0.00	0.00	
10,100.0	6.66	250.17	10,043.4	-331.9	-920.7	-134.5	0.00	0.00	0.00	
10,200.0	6.66	250.17	10,142.7	-335.9	-931.6	-136.1	0.00	0.00	0.00	
10,300.0	6.66	250.17	10,242.0	-339.8	-942.5	-137.7	0.00	0.00	0.00	
10,367.0	6.66	250.17	10,308.6	-342.4	-949.8	-138.8	0.00	0.00	0.00	
10,400.0	6.00	250.17	10,341.4	-343.7	-953.2	-139.3	2.00	-2.00	0.00	
10,500.0	4.00	250.17	10,441.0	-346.6	-961.4	-140.5	2.00	-2.00	0.00	



Planning Report

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 MD Reference: KB = 25' @ 3604.0usft
 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)
10,600.0	2.00	250.17	10,540.9	-348.4	-966.4	-141.2	2.00	-2.00	0.00
10,700.2	0.00	0.00	10,641.0	-349.0	-968.0	-141.5	2.00	-2.00	0.00
10,750.0	4.98	359.54	10,690.8	-346.8	-968.0	-139.3	10.00	10.00	0.00
10,800.0	9.98	359.54	10,740.3	-340.3	-968.1	-133.0	10.00	10.00	0.00
10,850.0	14.98	359.54	10,789.1	-329.5	-968.2	-122.4	10.00	10.00	0.00
10,900.0	19.98	359.54	10,836.8	-314.5	-968.3	-107.6	10.00	10.00	0.00
10,950.0	24.98	359.54	10,883.0	-295.4	-968.4	-88.9	10.00	10.00	0.00
11,000.0	29.98	359.54	10,927.3	-272.3	-968.6	-66.3	10.00	10.00	0.00
11,050.0	34.98	359.54	10,969.5	-245.5	-968.8	-40.0	10.00	10.00	0.00
11,100.0	39.98	359.54	11,009.2	-215.1	-969.1	-10.2	10.00	10.00	0.00
11,150.0	44.98	359.54	11,046.0	-181.3	-969.3	22.9	10.00	10.00	0.00
11,200.0	49.98	359.54	11,079.8	-144.5	-969.6	59.0	10.00	10.00	0.00
11,250.0	54.98	359.54	11,110.3	-104.8	-970.0	97.9	10.00	10.00	0.00
11,300.0	59.98	359.54	11,137.1	-62.7	-970.3	139.2	10.00	10.00	0.00
11,350.0	64.98	359.54	11,160.2	-18.3	-970.6	182.6	10.00	10.00	0.00
11,400.0	69.98	359.54	11,179.4	27.8	-971.0	227.9	10.00	10.00	0.00
11,450.0	74.98	359.54	11,194.4	75.5	-971.4	274.6	10.00	10.00	0.00
11,500.0	79.98	359.54	11,205.2	124.3	-971.8	322.4	10.00	10.00	0.00
11,550.0	84.98	359.54	11,211.8	173.9	-972.2	371.0	10.00	10.00	0.00
11,600.1	90.00	359.54	11,214.0	223.9	-972.6	420.1	10.00	10.00	0.00
11,700.0	90.00	359.54	11,214.0	323.8	-973.4	517.9	0.00	0.00	0.00
11,800.0	90.00	359.54	11,214.0	423.8	-974.2	615.9	0.00	0.00	0.00
11,900.0	90.00	359.54	11,214.0	523.8	-975.0	713.9	0.00	0.00	0.00
12,000.0	90.00	359.54	11,214.0	623.8	-975.8	811.9	0.00	0.00	0.00
12,100.0	90.00	359.54	11,214.0	723.8	-976.6	909.9	0.00	0.00	0.00
12,200.0	90.00	359.54	11,214.0	823.8	-977.4	1,007.9	0.00	0.00	0.00
12,300.0	90.00	359.54	11,214.0	923.8	-978.2	1,105.9	0.00	0.00	0.00
12,400.0	90.00	359.54	11,214.0	1,023.8	-979.0	1,203.9	0.00	0.00	0.00
12,500.0	90.00	359.54	11,214.0	1,123.8	-979.8	1,301.9	0.00	0.00	0.00
12,600.0	90.00	359.54	11,214.0	1,223.8	-980.6	1,400.0	0.00	0.00	0.00
12,700.0	90.00	359.54	11,214.0	1,323.8	-981.4	1,498.0	0.00	0.00	0.00
12,800.0	90.00	359.54	11,214.0	1,423.7	-982.2	1,596.0	0.00	0.00	0.00
12,900.0	90.00	359.54	11,214.0	1,523.7	-983.0	1,694.0	0.00	0.00	0.00
13,000.0	90.00	359.54	11,214.0	1,623.7	-983.8	1,792.0	0.00	0.00	0.00
13,100.0	90.00	359.54	11,214.0	1,723.7	-984.6	1,890.0	0.00	0.00	0.00
13,200.0	90.00	359.54	11,214.0	1,823.7	-985.4	1,988.0	0.00	0.00	0.00
13,300.0	90.00	359.54	11,214.0	1,923.7	-986.2	2,086.0	0.00	0.00	0.00
13,400.0	90.00	359.54	11,214.0	2,023.7	-987.0	2,184.0	0.00	0.00	0.00
13,500.0	90.00	359.54	11,214.0	2,123.7	-987.8	2,282.0	0.00	0.00	0.00
13,600.0	90.00	359.54	11,214.0	2,223.7	-988.6	2,380.0	0.00	0.00	0.00
13,700.0	90.00	359.54	11,214.0	2,323.7	-989.4	2,478.0	0.00	0.00	0.00
13,800.0	90.00	359.54	11,214.0	2,423.7	-990.2	2,576.0	0.00	0.00	0.00
13,900.0	90.00	359.54	11,214.0	2,523.7	-991.0	2,674.0	0.00	0.00	0.00
14,000.0	90.00	359.54	11,214.0	2,623.7	-991.8	2,772.0	0.00	0.00	0.00
14,100.0	90.00	359.54	11,214.0	2,723.7	-992.6	2,870.0	0.00	0.00	0.00
14,200.0	90.00	359.54	11,214.0	2,823.7	-993.4	2,968.0	0.00	0.00	0.00
14,300.0	90.00	359.54	11,214.0	2,923.7	-994.2	3,066.0	0.00	0.00	0.00
14,400.0	90.00	359.54	11,214.0	3,023.7	-995.0	3,164.0	0.00	0.00	0.00
14,500.0	90.00	359.54	11,214.0	3,123.7	-995.8	3,262.0	0.00	0.00	0.00
14,600.0	90.00	359.54	11,214.0	3,223.7	-996.6	3,360.0	0.00	0.00	0.00
14,700.0	90.00	359.54	11,214.0	3,323.7	-997.4	3,458.0	0.00	0.00	0.00
14,800.0	90.00	359.54	11,214.0	3,423.7	-998.2	3,556.0	0.00	0.00	0.00
14,900.0	90.00	359.54	11,214.0	3,523.7	-999.0	3,654.1	0.00	0.00	0.00
15,000.0	90.00	359.54	11,214.0	3,623.7	-999.8	3,752.1	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Ares 4 State
 Well: #503H
 Wellbore: OH
 Design: Plan #1

Local Co-ordinate Reference: Well #503H
 TVD Reference: KB = 25' @ 3604.0usft
 MD Reference: KB = 25' @ 3604.0usft
 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)
15,100.0	90.00	359.54	11,214.0	3,723.7	-1,000.6	3,850.1	0.00	0.00	0.00
15,200.0	90.00	359.54	11,214.0	3,823.7	-1,001.4	3,948.1	0.00	0.00	0.00
15,300.0	90.00	359.54	11,214.0	3,923.7	-1,002.2	4,046.1	0.00	0.00	0.00
15,400.0	90.00	359.54	11,214.0	4,023.7	-1,003.0	4,144.1	0.00	0.00	0.00
15,500.0	90.00	359.54	11,214.0	4,123.7	-1,003.8	4,242.1	0.00	0.00	0.00
15,600.0	90.00	359.54	11,214.0	4,223.7	-1,004.6	4,340.1	0.00	0.00	0.00
15,700.0	90.00	359.54	11,214.0	4,323.7	-1,005.4	4,438.1	0.00	0.00	0.00
15,800.0	90.00	359.54	11,214.0	4,423.7	-1,006.2	4,536.1	0.00	0.00	0.00
15,900.0	90.00	359.54	11,214.0	4,523.6	-1,007.0	4,634.1	0.00	0.00	0.00
16,000.0	90.00	359.54	11,214.0	4,623.6	-1,007.8	4,732.1	0.00	0.00	0.00
16,100.0	90.00	359.54	11,214.0	4,723.6	-1,008.6	4,830.1	0.00	0.00	0.00
16,154.4	90.00	359.54	11,214.0	4,778.0	-1,009.0	4,883.4	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
KOP(Ares 4 State #503H - plan hits target center - Point	0.00	0.00	10,641.0	-349.0	-968.0	451,708.00	776,344.00	32° 14' 22.326 N	103° 34' 23.684 W
PBHL (Ares 4 State #50: - plan hits target center - Point	0.00	0.00	11,214.0	4,778.0	-1,009.0	456,835.00	776,303.00	32° 15' 13.062 N	103° 34' 23.739 W
FTP (Ares 4 State #503H - plan misses target center by 202.1usft at 11177.5usft MD (11065.0 TVD, -161.4 N, -969.5 E) - Point	0.00	0.00	11,214.0	-298.0	-968.0	451,759.00	776,344.00	32° 14' 22.831 N	103° 34' 23.680 W