



Lea County, NM (NAD 83 NME)

Ares 4 State #503H

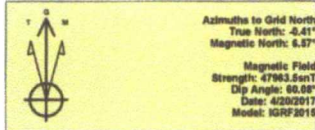
Plan #0.1

PROJECT DETAILS: Lea 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: #603H

Ground Level: 3579.00  
 KB = 25' @ 3604.00usft  
 Northing: 452430.50 Easting: 779053.50 Longitude: 32.24152454 -103.57404057



To convert a Magnetic Direction to a Grid Direction, Add 6.57°  
 To convert a Magnetic Direction to a True Direction, Add 6.87° East  
 To convert a True Direction to a Grid Direction, Subtract 0.41°

SECTION DETAILS

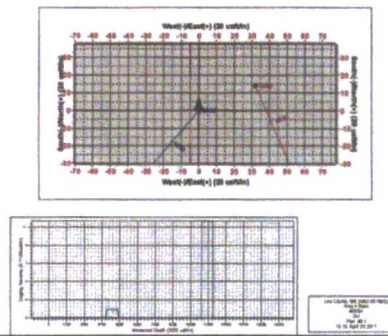
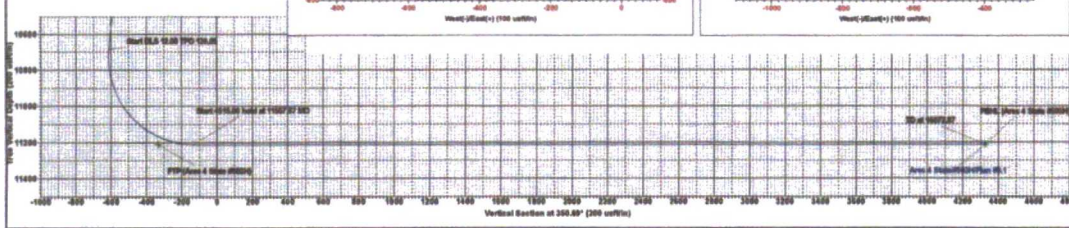
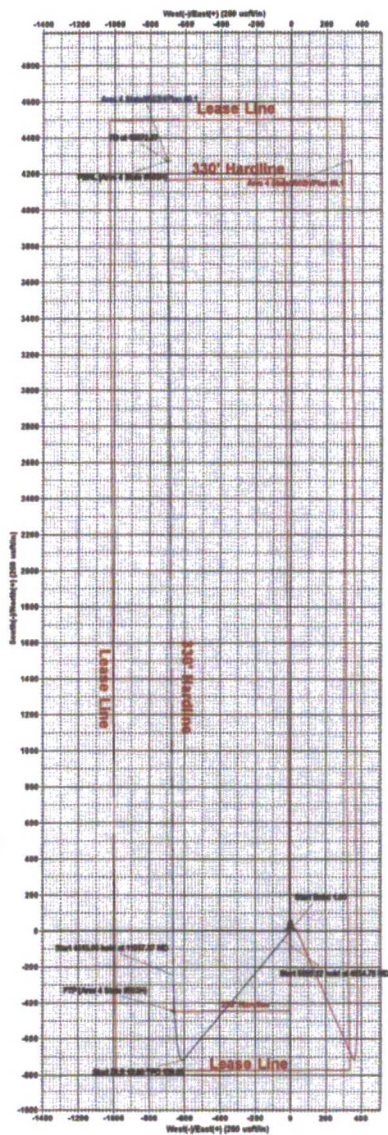
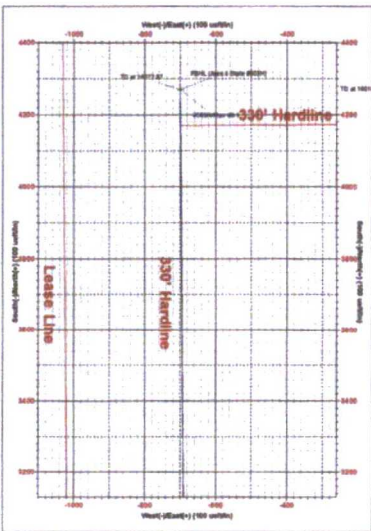
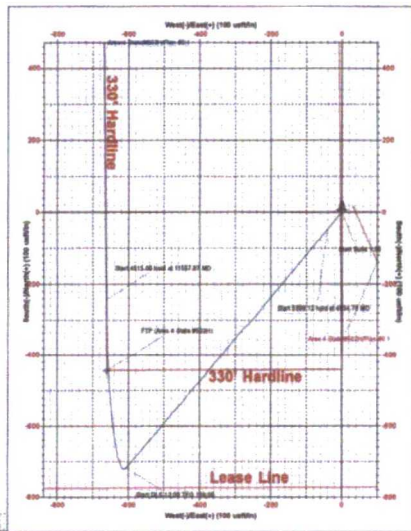
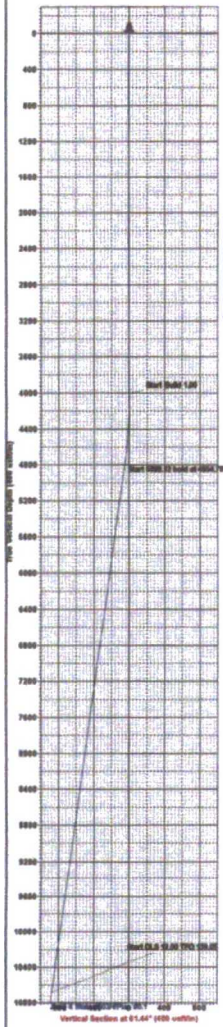
Sec	MD	Inc	Alt	TVD	+N-S	+E-W	Diag	TFace	VSecl	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
2	4950.00	0.00	0.00	4950.00	0.00	0.00	0.00	0.00	0.00		
3	4064.75	8.86	226.15	4891.91	-68.64	-41.94	1.00	226.15	-41.36		
4	10783.90	8.86	226.15	10988.21	-718.81	-408.64	0.00	0.00	-811.23		
6	11987.87	80.00	598.02	11214.00	-344.54	-482.15	12.00	128.00	-134.48		
6	18672.87	80.00	598.02	11214.00	4270.00	-790.00	0.00	0.00	4327.00		PBH4 (Area 4 State #603H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
PBH4 (Area 4 State #603H)	11214.00	-4270.00	-790.00	460700.00	776882.00
FTP (Area 4 State #603H)	11214.00	-445.00	-481.00	461688.00	776432.00





## **EOG Resources - Midland**

**Lea County, NM (NAD 83 NME)**

**Ares 4 State**

**#503H**

**OH**

**Plan: Plan #0.1**

## **Standard Planning Report**

**20 April, 2017**





**EOG Resources, Inc.**  
Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well #503H
<b>Company:</b>	EOG Resources - Midland	<b>TVD Reference:</b>	KB = 25' @ 3604.00usft
<b>Project:</b>	Lea County, NM (NAD 83 NME)	<b>MD Reference:</b>	KB = 25' @ 3604.00usft
<b>Site:</b>	Ares 4 State	<b>North Reference:</b>	Grid
<b>Well:</b>	#503H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #0.1		

<b>Project</b>	Lea County, NM (NAD 83 NME)		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	New Mexico Eastern Zone		

<b>Site</b>	Ares 4 State				
<b>Site Position:</b>		<b>Northing:</b>	451,993.00 usft	<b>Latitude:</b>	32.24029785
<b>From:</b>	Map	<b>Easting:</b>	777,413.00 usft	<b>Longitude:</b>	-103.56978184
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	0.41 °

<b>Well</b>	#503H					
<b>Well Position</b>	+N/-S	437.00 usft	<b>Northing:</b>	452,430.00 usft	<b>Latitude:</b>	32.24152454
	+E/-W	-1,320.00 usft	<b>Easting:</b>	776,093.00 usft	<b>Longitude:</b>	-103.57404087
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>	0.00 usft	<b>Ground Level:</b>	3,579.00 usft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2015	4/20/2017	6.97	60.08	47,964

<b>Design</b>	Plan #0.1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	350.69

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,854.78	8.55	220.15	4,851.62	-48.64	-41.04	1.00	1.00	0.00	220.15	
10,753.90	8.55	220.15	10,685.21	-718.81	-606.44	0.00	0.00	0.00	0.00	
11,557.87	90.00	359.52	11,214.00	-244.84	-662.18	12.00	10.13	17.33	139.05	
16,072.87	90.00	359.52	11,214.00	4,270.00	-700.00	0.00	0.00	0.00	0.00	PBHL (Ares 4 State #



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 Project: Lea County, NM (NAD 83 NME)  
 Site: Ares 4 State  
 Well: #503H  
 Wellbore: OH  
 Design: Plan #0.1

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

Well #503H  
 KB = 25' @ 3604.00usft  
 KB = 25' @ 3604.00usft  
 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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	1.00	220.15	4,100.00	-0.87	-0.56	-0.57	1.00	1.00	0.00
4,200.00	2.00	220.15	4,199.96	-2.67	-2.25	-2.27	1.00	1.00	0.00
4,300.00	3.00	220.15	4,299.86	-6.00	-5.06	-5.10	1.00	1.00	0.00
4,400.00	4.00	220.15	4,399.68	-10.87	-9.00	-9.07	1.00	1.00	0.00
4,500.00	5.00	220.15	4,499.37	-16.66	-14.06	-14.17	1.00	1.00	0.00
4,600.00	6.00	220.15	4,598.90	-23.99	-20.24	-20.40	1.00	1.00	0.00
4,700.00	7.00	220.15	4,698.26	-32.64	-27.54	-27.76	1.00	1.00	0.00
4,800.00	8.00	220.15	4,797.40	-42.62	-35.96	-36.24	1.00	1.00	0.00
4,854.78	8.55	220.15	4,851.62	-48.64	-41.04	-41.36	1.00	1.00	0.00
4,900.00	8.55	220.15	4,896.33	-53.78	-45.37	-45.73	0.00	0.00	0.00
5,000.00	8.55	220.15	4,995.22	-65.14	-54.96	-55.39	0.00	0.00	0.00
5,100.00	8.55	220.15	5,094.11	-78.50	-64.54	-65.05	0.00	0.00	0.00
5,200.00	8.55	220.15	5,193.00	-87.86	-74.13	-74.71	0.00	0.00	0.00





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 Site: Ares 4 State  
 Well: #503H  
 Wellbore: OH  
 Design: Plan #0.1

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 KB = 25' @ 3604.00usft  
 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)
5,300.00	8.55	220.15	5,291.89	-99.22	-83.71	-84.37	0.00	0.00	0.00
5,400.00	8.55	220.15	5,390.78	-110.58	-93.30	-94.03	0.00	0.00	0.00
5,500.00	8.55	220.15	5,489.67	-121.94	-102.88	-103.69	0.00	0.00	0.00
5,600.00	8.55	220.15	5,588.56	-133.30	-112.47	-113.35	0.00	0.00	0.00
5,700.00	8.55	220.15	5,687.44	-144.66	-122.05	-123.01	0.00	0.00	0.00
5,800.00	8.55	220.15	5,786.33	-156.02	-131.63	-132.67	0.00	0.00	0.00
5,900.00	8.55	220.15	5,885.22	-167.38	-141.22	-142.33	0.00	0.00	0.00
6,000.00	8.55	220.15	5,984.11	-178.75	-150.80	-151.99	0.00	0.00	0.00
6,100.00	8.55	220.15	6,083.00	-190.11	-160.39	-161.65	0.00	0.00	0.00
6,200.00	8.55	220.15	6,181.89	-201.47	-169.97	-171.32	0.00	0.00	0.00
6,300.00	8.55	220.15	6,280.78	-212.83	-179.56	-180.98	0.00	0.00	0.00
6,400.00	8.55	220.15	6,379.67	-224.19	-189.14	-190.64	0.00	0.00	0.00
6,500.00	8.55	220.15	6,478.56	-235.55	-198.73	-200.30	0.00	0.00	0.00
6,600.00	8.55	220.15	6,577.45	-246.91	-208.31	-209.96	0.00	0.00	0.00
6,700.00	8.55	220.15	6,676.34	-258.27	-217.90	-218.62	0.00	0.00	0.00
6,800.00	8.55	220.15	6,775.23	-269.63	-227.48	-229.28	0.00	0.00	0.00
6,900.00	8.55	220.15	6,874.11	-280.99	-237.06	-238.94	0.00	0.00	0.00
7,000.00	8.55	220.15	6,973.00	-292.35	-246.65	-248.60	0.00	0.00	0.00
7,100.00	8.55	220.15	7,071.89	-303.71	-256.23	-258.26	0.00	0.00	0.00
7,200.00	8.55	220.15	7,170.78	-315.07	-265.82	-267.92	0.00	0.00	0.00
7,300.00	8.55	220.15	7,269.67	-326.43	-275.40	-277.58	0.00	0.00	0.00
7,400.00	8.55	220.15	7,368.56	-337.79	-284.99	-287.24	0.00	0.00	0.00
7,500.00	8.55	220.15	7,467.45	-349.15	-294.57	-296.90	0.00	0.00	0.00
7,600.00	8.55	220.15	7,566.34	-360.51	-304.16	-306.56	0.00	0.00	0.00
7,700.00	8.55	220.15	7,665.23	-371.87	-313.74	-316.22	0.00	0.00	0.00
7,800.00	8.55	220.15	7,764.12	-383.23	-323.33	-325.88	0.00	0.00	0.00
7,900.00	8.55	220.15	7,863.01	-394.59	-332.91	-335.54	0.00	0.00	0.00
8,000.00	8.55	220.15	7,961.90	-405.95	-342.49	-345.20	0.00	0.00	0.00
8,100.00	8.55	220.15	8,060.79	-417.31	-352.08	-354.86	0.00	0.00	0.00
8,200.00	8.55	220.15	8,159.67	-428.67	-361.66	-364.52	0.00	0.00	0.00
8,300.00	8.55	220.15	8,258.56	-440.04	-371.25	-374.18	0.00	0.00	0.00
8,400.00	8.55	220.15	8,357.45	-451.40	-380.83	-383.84	0.00	0.00	0.00
8,500.00	8.55	220.15	8,456.34	-462.76	-390.42	-393.50	0.00	0.00	0.00
8,600.00	8.55	220.15	8,555.23	-474.12	-400.00	-403.16	0.00	0.00	0.00
8,700.00	8.55	220.15	8,654.12	-485.48	-409.59	-412.82	0.00	0.00	0.00
8,800.00	8.55	220.15	8,753.01	-496.84	-419.17	-422.48	0.00	0.00	0.00
8,900.00	8.55	220.15	8,851.90	-508.20	-428.76	-432.14	0.00	0.00	0.00
9,000.00	8.55	220.15	8,950.79	-519.56	-438.34	-441.80	0.00	0.00	0.00
9,100.00	8.55	220.15	9,049.68	-530.92	-447.93	-451.46	0.00	0.00	0.00
9,200.00	8.55	220.15	9,148.57	-542.28	-457.51	-461.12	0.00	0.00	0.00
9,300.00	8.55	220.15	9,247.46	-553.64	-467.09	-470.78	0.00	0.00	0.00
9,400.00	8.55	220.15	9,346.35	-565.00	-476.68	-480.44	0.00	0.00	0.00
9,500.00	8.55	220.15	9,445.23	-576.36	-486.26	-490.10	0.00	0.00	0.00
9,600.00	8.55	220.15	9,544.12	-587.72	-495.85	-499.76	0.00	0.00	0.00
9,700.00	8.55	220.15	9,643.01	-599.08	-505.43	-509.42	0.00	0.00	0.00
9,800.00	8.55	220.15	9,741.90	-610.44	-515.02	-519.08	0.00	0.00	0.00
9,900.00	8.55	220.15	9,840.79	-621.80	-524.60	-528.74	0.00	0.00	0.00
10,000.00	8.55	220.15	9,939.68	-633.16	-534.19	-538.40	0.00	0.00	0.00
10,100.00	8.55	220.15	10,038.57	-644.52	-543.77	-548.06	0.00	0.00	0.00
10,200.00	8.55	220.15	10,137.46	-655.88	-553.36	-557.73	0.00	0.00	0.00
10,300.00	8.55	220.15	10,236.35	-667.24	-562.94	-567.39	0.00	0.00	0.00
10,400.00	8.55	220.15	10,335.24	-678.60	-572.52	-577.05	0.00	0.00	0.00
10,500.00	8.55	220.15	10,434.13	-689.96	-582.11	-586.71	0.00	0.00	0.00
10,600.00	8.55	220.15	10,533.02	-701.33	-591.69	-596.37	0.00	0.00	0.00





**EOG Resources, Inc.**  
Planning Report

Database: EDM 5000.1 Single User Db  
 Company: EOG Resources - Midland  
 Project: Lea County, NM (NAD 83 NME)  
 Site: Ares 4 State  
 Well: #503H  
 Wellbore: OH  
 Design: Plan #0.1

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

Well #503H  
 KB = 25' @ 3604.00usft  
 KB = 25' @ 3604.00usft  
 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)
10,700.00	8.55	220.15	10,631.91	-712.69	-601.28	-606.03	0.00	0.00	0.00
10,753.90	8.55	220.15	10,685.21	-718.81	-606.44	-611.23	0.00	0.00	0.00
10,775.00	6.84	234.23	10,706.12	-720.74	-608.47	-612.81	12.00	-8.10	66.70
10,800.00	5.67	259.91	10,730.97	-721.83	-610.90	-613.49	12.00	-4.68	102.75
10,825.00	5.96	289.75	10,755.85	-721.61	-613.34	-612.88	12.00	1.14	119.32
10,850.00	7.53	311.78	10,780.68	-720.08	-615.78	-610.97	12.00	6.31	88.07
10,875.00	9.79	324.98	10,805.40	-717.24	-618.22	-607.78	12.00	9.05	52.87
10,900.00	12.37	333.02	10,829.93	-713.11	-620.66	-603.31	12.00	10.31	32.16
10,925.00	15.11	338.26	10,854.21	-707.70	-623.08	-597.58	12.00	10.93	20.95
10,950.00	17.92	341.90	10,878.18	-701.02	-625.48	-590.60	12.00	11.27	14.58
10,975.00	20.79	344.58	10,901.76	-693.08	-627.86	-582.38	12.00	11.47	10.70
11,000.00	23.69	346.63	10,924.90	-683.92	-630.20	-572.96	12.00	11.59	8.20
11,025.00	26.61	348.25	10,947.53	-673.55	-632.50	-562.35	12.00	11.68	6.49
11,050.00	29.54	349.57	10,969.59	-662.00	-634.76	-550.59	12.00	11.74	5.29
11,075.00	32.49	350.68	10,991.01	-649.31	-636.96	-537.72	12.00	11.78	4.41
11,100.00	35.44	351.62	11,011.74	-635.51	-639.10	-523.75	12.00	11.82	3.75
11,125.00	38.40	352.43	11,031.73	-620.64	-641.19	-508.74	12.00	11.84	3.24
11,150.00	41.37	353.14	11,050.91	-604.74	-643.20	-492.72	12.00	11.86	2.85
11,175.00	44.34	353.77	11,069.23	-587.85	-645.13	-475.74	12.00	11.88	2.53
11,200.00	47.31	354.34	11,086.65	-570.02	-646.99	-457.84	12.00	11.89	2.27
11,225.00	50.28	354.86	11,103.12	-551.29	-648.75	-439.08	12.00	11.90	2.07
11,250.00	53.26	355.33	11,118.59	-531.73	-650.43	-419.50	12.00	11.91	1.90
11,275.00	56.24	355.77	11,133.02	-511.38	-652.02	-399.16	12.00	11.91	1.75
11,300.00	59.22	356.18	11,146.36	-490.29	-653.50	-378.12	12.00	11.92	1.64
11,325.00	62.20	356.56	11,158.59	-468.54	-654.88	-356.42	12.00	11.92	1.54
11,350.00	65.18	356.93	11,169.67	-446.16	-656.15	-334.14	12.00	11.93	1.46
11,375.00	68.17	357.27	11,179.57	-423.24	-657.31	-311.33	12.00	11.93	1.39
11,400.00	71.15	357.60	11,188.26	-399.83	-658.36	-288.05	12.00	11.94	1.33
11,425.00	74.13	357.93	11,195.72	-375.98	-659.29	-264.38	12.00	11.94	1.28
11,450.00	77.12	358.24	11,201.92	-351.78	-660.10	-240.36	12.00	11.94	1.25
11,475.00	80.10	358.54	11,206.86	-327.29	-660.79	-216.08	12.00	11.94	1.22
11,500.00	83.09	358.84	11,210.51	-302.57	-661.35	-191.59	12.00	11.94	1.19
11,525.00	86.07	359.14	11,212.87	-277.68	-661.79	-166.97	12.00	11.94	1.18
11,550.00	89.06	359.43	11,213.94	-252.71	-662.10	-142.27	12.00	11.94	1.17
11,557.87	90.00	359.52	11,214.00	-244.84	-662.18	-134.49	12.00	11.94	1.17
11,600.00	90.00	359.52	11,214.00	-202.71	-662.53	-92.86	0.00	0.00	0.00
11,700.00	90.00	359.52	11,214.00	-102.72	-663.37	5.95	0.00	0.00	0.00
11,800.00	90.00	359.52	11,214.00	-2.72	-664.20	104.77	0.00	0.00	0.00
11,900.00	90.00	359.52	11,214.00	97.28	-665.04	203.58	0.00	0.00	0.00
12,000.00	90.00	359.52	11,214.00	197.27	-665.88	302.40	0.00	0.00	0.00
12,100.00	90.00	359.52	11,214.00	297.27	-666.72	401.21	0.00	0.00	0.00
12,200.00	90.00	359.52	11,214.00	397.26	-667.56	500.03	0.00	0.00	0.00
12,300.00	90.00	359.52	11,214.00	497.26	-668.39	598.84	0.00	0.00	0.00
12,400.00	90.00	359.52	11,214.00	597.26	-669.23	697.66	0.00	0.00	0.00
12,500.00	90.00	359.52	11,214.00	697.25	-670.07	796.47	0.00	0.00	0.00
12,600.00	90.00	359.52	11,214.00	797.25	-670.91	895.29	0.00	0.00	0.00
12,700.00	90.00	359.52	11,214.00	897.25	-671.74	994.10	0.00	0.00	0.00
12,800.00	90.00	359.52	11,214.00	997.24	-672.58	1,092.91	0.00	0.00	0.00
12,900.00	90.00	359.52	11,214.00	1,097.24	-673.42	1,191.73	0.00	0.00	0.00
13,000.00	90.00	359.52	11,214.00	1,197.24	-674.26	1,290.54	0.00	0.00	0.00
13,100.00	90.00	359.52	11,214.00	1,297.23	-675.09	1,389.36	0.00	0.00	0.00
13,200.00	90.00	359.52	11,214.00	1,397.23	-675.93	1,488.17	0.00	0.00	0.00
13,300.00	90.00	359.52	11,214.00	1,497.23	-676.77	1,586.99	0.00	0.00	0.00
13,400.00	90.00	359.52	11,214.00	1,597.22	-677.61	1,685.80	0.00	0.00	0.00



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13,500.00	90.00	359.52	11,214.00	1,897.22	-678.45	1,784.62	0.00	0.00	0.00
13,600.00	90.00	359.52	11,214.00	1,797.22	-679.28	1,883.43	0.00	0.00	0.00
13,700.00	90.00	359.52	11,214.00	1,897.21	-680.12	1,982.25	0.00	0.00	0.00
13,800.00	90.00	359.52	11,214.00	1,997.21	-680.96	2,081.06	0.00	0.00	0.00
13,900.00	90.00	359.52	11,214.00	2,097.21	-681.80	2,179.88	0.00	0.00	0.00
14,000.00	90.00	359.52	11,214.00	2,197.20	-682.63	2,278.69	0.00	0.00	0.00
14,100.00	90.00	359.52	11,214.00	2,297.20	-683.47	2,377.51	0.00	0.00	0.00
14,200.00	90.00	359.52	11,214.00	2,397.19	-684.31	2,476.32	0.00	0.00	0.00
14,300.00	90.00	359.52	11,214.00	2,497.19	-685.15	2,575.14	0.00	0.00	0.00
14,400.00	90.00	359.52	11,214.00	2,597.19	-685.99	2,673.95	0.00	0.00	0.00
14,500.00	90.00	359.52	11,214.00	2,697.18	-686.82	2,772.77	0.00	0.00	0.00
14,600.00	90.00	359.52	11,214.00	2,797.18	-687.66	2,871.58	0.00	0.00	0.00
14,700.00	90.00	359.52	11,214.00	2,897.18	-688.50	2,970.40	0.00	0.00	0.00
14,800.00	90.00	359.52	11,214.00	2,997.17	-689.34	3,069.21	0.00	0.00	0.00
14,900.00	90.00	359.52	11,214.00	3,097.17	-690.17	3,168.03	0.00	0.00	0.00
15,000.00	90.00	359.52	11,214.00	3,197.17	-691.01	3,266.84	0.00	0.00	0.00
15,100.00	90.00	359.52	11,214.00	3,297.16	-691.85	3,365.66	0.00	0.00	0.00
15,200.00	90.00	359.52	11,214.00	3,397.16	-692.69	3,464.47	0.00	0.00	0.00
15,300.00	90.00	359.52	11,214.00	3,497.16	-693.53	3,563.29	0.00	0.00	0.00
15,400.00	90.00	359.52	11,214.00	3,597.15	-694.36	3,662.10	0.00	0.00	0.00
15,500.00	90.00	359.52	11,214.00	3,697.15	-695.20	3,760.92	0.00	0.00	0.00
15,600.00	90.00	359.52	11,214.00	3,797.15	-696.04	3,859.73	0.00	0.00	0.00
15,700.00	90.00	359.52	11,214.00	3,897.14	-696.88	3,958.54	0.00	0.00	0.00
15,800.00	90.00	359.52	11,214.00	3,997.14	-697.71	4,057.36	0.00	0.00	0.00
15,900.00	90.00	359.52	11,214.00	4,097.14	-698.55	4,156.17	0.00	0.00	0.00
16,000.00	90.00	359.52	11,214.00	4,197.13	-699.39	4,254.99	0.00	0.00	0.00
16,072.87	90.00	359.52	11,214.00	4,270.00	-700.00	4,327.00	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
PBHL (Ares 4 State #50: - plan hits target center - Point	0.00	0.00	11,214.00	4,270.00	-700.00	456,700.00	775,393.00	32.25327488	-103.57620740
FTP (Ares 4 State #50: - plan misses target center by 40.31usft at 11368.85usft MD (11177.25 TVD, -428.93 N, -657.04 E) - Point	0.00	0.00	11,214.00	-445.00	-661.00	451,985.00	775,432.00	32.24031421	-103.57618879