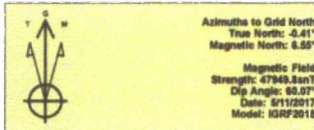




Lea County, NM (NAD 83 NME)
Neptune 10 State Com #704H
Plan #0.1



To convert a Magnetic Direction to a Grid Direction, Add 6.55°
 To convert a Magnetic Direction to a True Direction, Add 6.86° East
 To convert a True Direction to a Grid Direction, Subtract 0.41°

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: #704H

Ground Level: 3607.00
 KB + 25' @ 3632.00ft
 Northing: 447027.00 Easting: 779781.00
 Latitude: 32.2260114 Longitude: -103.56220644

SECTION DETAILS

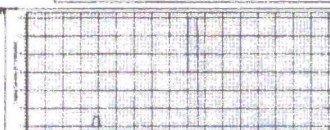
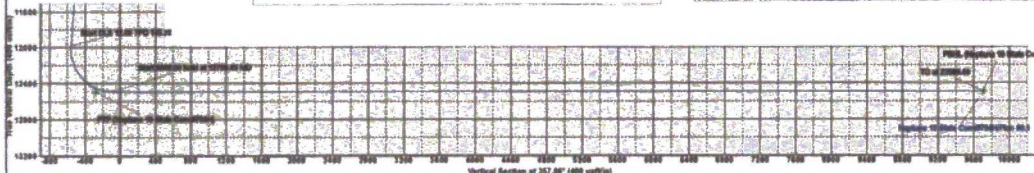
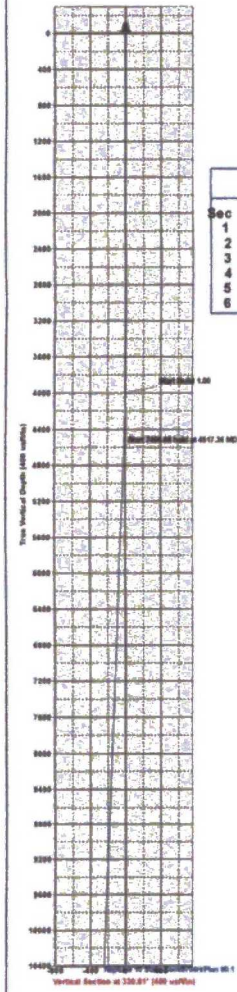
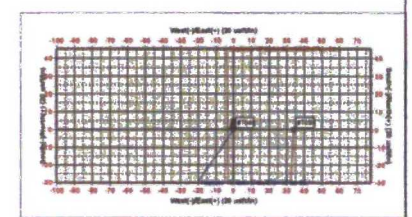
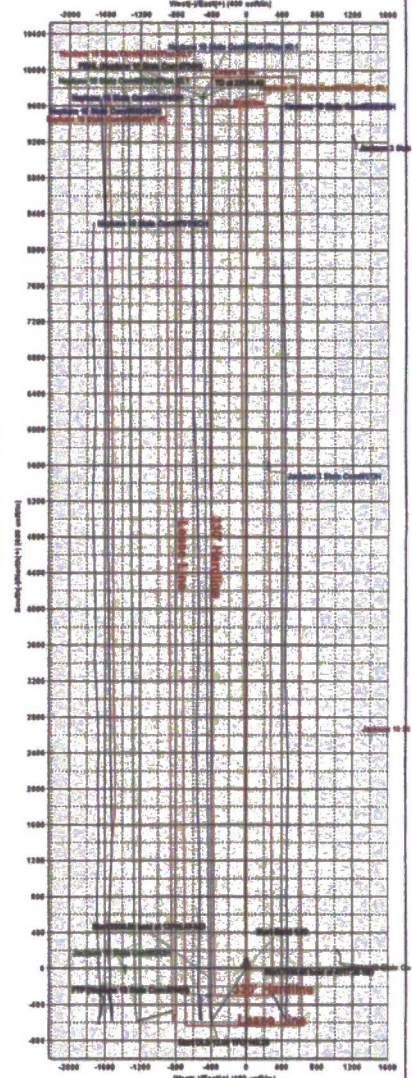
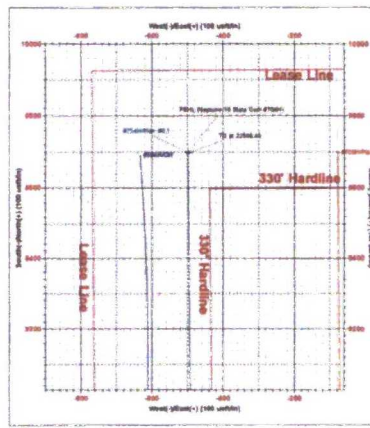
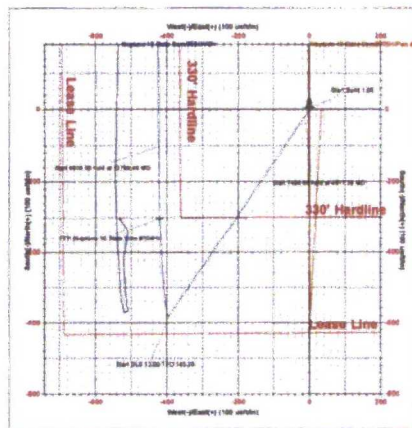
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	
3	4517.36	5.17	214.17	4516.66	-19.31	-13.11	1.00	214.17	-18.62	
4	12014.02	5.17	214.17	11982.77	-578.64	-392.75	0.00	0.00	-557.74	
5	12799.49	90.00	359.56	12495.00	-102.71	-422.74	12.00	145.28	-80.89	
6	22599.49	90.00	359.56	12495.00	9697.00	-498.00	0.00	0.00	9709.78	PBHL (Neptune 10 State Com #704H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
FTP (Neptune 10 State Com #704H)	12488.00	-302.00	-420.00	446725.00	779371.00
PBHL (Neptune 10 State Com #704H)	12488.00	9697.00	-498.00	446724.00	779293.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Neptune 10 State Com

#704H

OH

Plan: Plan #0.1

Standard Planning Report

12 May, 2017



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Neptune 10 State Com
Well: #704H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference: KB = 25' @ 3632.00usft
MD Reference: KB = 25' @ 3632.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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

Site: Neptune 10 State Com
Site Position: Northing: 446,557.00 usft Latitude: 32.22532555
From: Map Easting: 778,964.00 usft Longitude: -103.56489151
Position Uncertainty: 0.00 usft Slot Radius: 13-3/16 " Grid Convergence: 0.41 °

Well: #704H
Well Position: +N/-S 470.00 usft Northing: 447,027.00 usft Latitude: 32.22660113
+E/-W 827.00 usft Easting: 779,791.00 usft Longitude: -103.56220644
Position Uncertainty: 0.00 usft Wellhead Elevation: 0.00 usft Ground Level: 3,607.00 usft

Wellbore: OH
Magnetics: Model Name Sample Date Declination Dip Angle Field Strength
(") (") (nT)
IGRF2015 5/11/2017 6.96 60.07 47,950

Design: Plan #0.1
Audit Notes:
Version: Phase: PLAN Tie On Depth: 0.00
Vertical Section: Depth From (TVD) +N/-S +E/-W Direction
(usft) (usft) (usft) (")
0.00 0.00 0.00 357.06

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	
4,517.36	5.17	214.17	4,516.66	-19.31	-13.11	1.00	1.00	0.00	214.17	
12,014.02	5.17	214.17	11,982.78	-578.64	-392.75	0.00	0.00	0.00	0.00	
12,799.49	90.00	359.56	12,495.00	-102.71	-422.74	12.00	10.80	18.51	145.28	
22,599.49	90.00	359.56	12,495.00	9,697.00	-498.00	0.00	0.00	0.00	0.00	PBHL (Neptune 10 St



EOG Resources, Inc.
Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Neptune 10 State Com
Well: #704H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #704H
TVD Reference: KB = 25' @ 3632.00usft
MD Reference: KB = 25' @ 3632.00usft
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)
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	214.17	4,100.00	-0.72	-0.49	-0.70	1.00	1.00	0.00
4,200.00	2.00	214.17	4,199.96	-2.89	-1.96	-2.78	1.00	1.00	0.00
4,300.00	3.00	214.17	4,299.86	-6.50	-4.41	-6.26	1.00	1.00	0.00
4,400.00	4.00	214.17	4,399.68	-11.55	-7.84	-11.13	1.00	1.00	0.00
4,500.00	5.00	214.17	4,499.37	-18.04	-12.24	-17.39	1.00	1.00	0.00
4,517.36	5.17	214.17	4,516.66	-19.31	-13.11	-18.62	1.00	1.00	0.00
4,600.00	5.17	214.17	4,598.96	-25.48	-17.29	-24.56	0.00	0.00	0.00
4,700.00	5.17	214.17	4,698.55	-32.94	-22.36	-31.75	0.00	0.00	0.00
4,800.00	5.17	214.17	4,798.15	-40.40	-27.42	-38.94	0.00	0.00	0.00
4,900.00	5.17	214.17	4,897.74	-47.86	-32.49	-46.13	0.00	0.00	0.00
5,000.00	5.17	214.17	4,997.33	-55.32	-37.55	-53.32	0.00	0.00	0.00
5,100.00	5.17	214.17	5,096.92	-62.78	-42.61	-60.52	0.00	0.00	0.00
5,200.00	5.17	214.17	5,196.52	-70.25	-47.68	-67.71	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: Neptune 10 State Com
Well: #704H
Wellbore: OH
Design: Plan #0.1

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

Well #704H
KB = 25' @ 3632.00usft
KB = 25' @ 3632.00usft
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	5.17	214.17	5,296.11	-77.71	-52.74	-74.90	0.00	0.00	0.00
5,400.00	5.17	214.17	5,395.70	-85.17	-57.81	-82.09	0.00	0.00	0.00
5,500.00	5.17	214.17	5,495.29	-92.63	-62.87	-89.28	0.00	0.00	0.00
5,600.00	5.17	214.17	5,594.89	-100.09	-67.93	-96.47	0.00	0.00	0.00
5,700.00	5.17	214.17	5,694.48	-107.55	-73.00	-103.67	0.00	0.00	0.00
5,800.00	5.17	214.17	5,794.07	-115.01	-78.06	-110.86	0.00	0.00	0.00
5,900.00	5.17	214.17	5,893.66	-122.47	-83.13	-118.05	0.00	0.00	0.00
6,000.00	5.17	214.17	5,993.26	-129.93	-88.19	-125.24	0.00	0.00	0.00
6,100.00	5.17	214.17	6,092.85	-137.39	-93.26	-132.43	0.00	0.00	0.00
6,200.00	5.17	214.17	6,192.44	-144.86	-98.32	-139.62	0.00	0.00	0.00
6,300.00	5.17	214.17	6,292.04	-152.32	-103.38	-146.81	0.00	0.00	0.00
6,400.00	5.17	214.17	6,391.63	-159.78	-108.45	-154.01	0.00	0.00	0.00
6,500.00	5.17	214.17	6,491.22	-167.24	-113.51	-161.20	0.00	0.00	0.00
6,600.00	5.17	214.17	6,590.81	-174.70	-118.58	-168.39	0.00	0.00	0.00
6,700.00	5.17	214.17	6,690.41	-182.16	-123.64	-175.58	0.00	0.00	0.00
6,800.00	5.17	214.17	6,790.00	-189.62	-128.70	-182.77	0.00	0.00	0.00
6,900.00	5.17	214.17	6,889.59	-197.08	-133.77	-189.96	0.00	0.00	0.00
7,000.00	5.17	214.17	6,989.18	-204.54	-138.83	-197.15	0.00	0.00	0.00
7,100.00	5.17	214.17	7,088.78	-212.01	-143.90	-204.35	0.00	0.00	0.00
7,200.00	5.17	214.17	7,188.37	-219.47	-148.96	-211.54	0.00	0.00	0.00
7,300.00	5.17	214.17	7,287.96	-226.93	-154.02	-218.73	0.00	0.00	0.00
7,400.00	5.17	214.17	7,387.55	-234.39	-159.09	-225.92	0.00	0.00	0.00
7,500.00	5.17	214.17	7,487.15	-241.85	-164.15	-233.11	0.00	0.00	0.00
7,600.00	5.17	214.17	7,586.74	-249.31	-169.22	-240.30	0.00	0.00	0.00
7,700.00	5.17	214.17	7,686.33	-256.77	-174.28	-247.50	0.00	0.00	0.00
7,800.00	5.17	214.17	7,785.92	-264.23	-179.34	-254.69	0.00	0.00	0.00
7,900.00	5.17	214.17	7,885.52	-271.69	-184.41	-261.88	0.00	0.00	0.00
8,000.00	5.17	214.17	7,985.11	-279.15	-189.47	-269.07	0.00	0.00	0.00
8,100.00	5.17	214.17	8,084.70	-286.62	-194.54	-276.26	0.00	0.00	0.00
8,200.00	5.17	214.17	8,184.29	-294.08	-199.60	-283.45	0.00	0.00	0.00
8,300.00	5.17	214.17	8,283.89	-301.54	-204.67	-290.64	0.00	0.00	0.00
8,400.00	5.17	214.17	8,383.48	-309.00	-209.73	-297.84	0.00	0.00	0.00
8,500.00	5.17	214.17	8,483.07	-316.46	-214.79	-305.03	0.00	0.00	0.00
8,600.00	5.17	214.17	8,582.67	-323.92	-219.86	-312.22	0.00	0.00	0.00
8,700.00	5.17	214.17	8,682.26	-331.38	-224.92	-319.41	0.00	0.00	0.00
8,800.00	5.17	214.17	8,781.85	-338.84	-229.99	-326.60	0.00	0.00	0.00
8,900.00	5.17	214.17	8,881.44	-346.30	-235.05	-333.79	0.00	0.00	0.00
9,000.00	5.17	214.17	8,981.04	-353.77	-240.11	-340.98	0.00	0.00	0.00
9,100.00	5.17	214.17	9,080.63	-361.23	-245.18	-348.18	0.00	0.00	0.00
9,200.00	5.17	214.17	9,180.22	-368.69	-250.24	-355.37	0.00	0.00	0.00
9,300.00	5.17	214.17	9,279.81	-376.15	-255.31	-362.56	0.00	0.00	0.00
9,400.00	5.17	214.17	9,379.41	-383.61	-260.37	-369.75	0.00	0.00	0.00
9,500.00	5.17	214.17	9,479.00	-391.07	-265.43	-376.94	0.00	0.00	0.00
9,600.00	5.17	214.17	9,578.59	-398.53	-270.50	-384.13	0.00	0.00	0.00
9,700.00	5.17	214.17	9,678.18	-405.99	-275.56	-391.33	0.00	0.00	0.00
9,800.00	5.17	214.17	9,777.78	-413.45	-280.63	-398.52	0.00	0.00	0.00
9,900.00	5.17	214.17	9,877.37	-420.91	-285.69	-405.71	0.00	0.00	0.00
10,000.00	5.17	214.17	9,976.96	-428.38	-290.75	-412.90	0.00	0.00	0.00
10,100.00	5.17	214.17	10,076.55	-435.84	-295.82	-420.09	0.00	0.00	0.00
10,200.00	5.17	214.17	10,176.15	-443.30	-300.88	-427.28	0.00	0.00	0.00
10,300.00	5.17	214.17	10,275.74	-450.76	-305.95	-434.47	0.00	0.00	0.00
10,400.00	5.17	214.17	10,375.33	-458.22	-311.01	-441.67	0.00	0.00	0.00
10,500.00	5.17	214.17	10,474.92	-465.68	-316.08	-448.86	0.00	0.00	0.00
10,600.00	5.17	214.17	10,574.52	-473.14	-321.14	-456.05	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: Neptune 10 State Com
Well: #704H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #704H
TVD Reference: KB = 25' @ 3632.00usft
MD Reference: KB = 25' @ 3632.00usft
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)
10,700.00	5.17	214.17	10,674.11	-480.60	-326.20	-463.24	0.00	0.00	0.00
10,800.00	5.17	214.17	10,773.70	-488.06	-331.27	-470.43	0.00	0.00	0.00
10,900.00	5.17	214.17	10,873.30	-495.53	-336.33	-477.62	0.00	0.00	0.00
11,000.00	5.17	214.17	10,972.89	-502.99	-341.40	-484.81	0.00	0.00	0.00
11,100.00	5.17	214.17	11,072.48	-510.45	-346.46	-492.01	0.00	0.00	0.00
11,200.00	5.17	214.17	11,172.07	-517.91	-351.52	-499.20	0.00	0.00	0.00
11,300.00	5.17	214.17	11,271.67	-525.37	-356.59	-506.39	0.00	0.00	0.00
11,400.00	5.17	214.17	11,371.26	-532.83	-361.65	-513.58	0.00	0.00	0.00
11,500.00	5.17	214.17	11,470.85	-540.29	-366.72	-520.77	0.00	0.00	0.00
11,600.00	5.17	214.17	11,570.44	-547.75	-371.78	-527.96	0.00	0.00	0.00
11,700.00	5.17	214.17	11,670.04	-555.21	-376.84	-535.16	0.00	0.00	0.00
11,800.00	5.17	214.17	11,769.63	-562.67	-381.91	-542.35	0.00	0.00	0.00
11,900.00	5.17	214.17	11,869.22	-570.14	-386.97	-549.54	0.00	0.00	0.00
12,000.00	5.17	214.17	11,968.81	-577.60	-392.04	-556.73	0.00	0.00	0.00
12,014.02	5.17	214.17	11,982.78	-578.64	-392.75	-557.74	0.00	0.00	0.00
12,025.00	4.16	224.57	11,993.72	-579.34	-393.30	-558.40	12.00	-9.24	94.75
12,050.00	2.94	270.76	12,018.68	-579.97	-394.58	-558.97	12.00	-4.86	184.74
12,075.00	4.25	315.72	12,043.63	-579.30	-395.87	-558.24	12.00	5.21	179.87
12,100.00	6.74	333.75	12,068.52	-577.32	-397.17	-558.19	12.00	9.96	72.11
12,125.00	9.52	341.71	12,093.26	-574.04	-398.46	-552.85	12.00	11.15	31.84
12,150.00	12.41	348.05	12,117.80	-569.47	-399.76	-548.22	12.00	11.55	17.34
12,175.00	15.34	348.76	12,142.07	-563.62	-401.05	-542.31	12.00	11.72	10.84
12,200.00	18.29	350.61	12,166.00	-558.51	-402.34	-535.14	12.00	11.81	7.42
12,225.00	21.26	351.96	12,189.52	-548.15	-403.61	-526.72	12.00	11.86	5.41
12,250.00	24.23	353.00	12,212.58	-538.56	-404.87	-517.09	12.00	11.89	4.14
12,275.00	27.21	353.82	12,235.10	-527.79	-406.11	-508.26	12.00	11.92	3.28
12,300.00	30.19	354.49	12,257.03	-515.85	-407.33	-494.28	12.00	11.93	2.68
12,325.00	33.18	355.05	12,278.30	-502.77	-408.53	-481.16	12.00	11.94	2.24
12,350.00	36.17	355.53	12,298.86	-488.60	-409.69	-466.94	12.00	11.95	1.91
12,375.00	39.15	355.94	12,318.64	-473.37	-410.83	-451.67	12.00	11.96	1.65
12,400.00	42.15	356.30	12,337.61	-457.12	-411.93	-435.39	12.00	11.96	1.45
12,425.00	45.14	356.63	12,355.70	-439.90	-412.99	-418.14	12.00	11.97	1.30
12,450.00	48.13	356.92	12,372.86	-421.76	-414.01	-399.97	12.00	11.97	1.17
12,475.00	51.12	357.18	12,389.06	-402.74	-414.99	-380.93	12.00	11.97	1.06
12,500.00	54.12	357.43	12,404.23	-382.90	-415.92	-361.06	12.00	11.97	0.98
12,525.00	57.11	357.65	12,418.35	-362.29	-416.81	-340.44	12.00	11.98	0.91
12,550.00	60.10	357.87	12,431.37	-340.97	-417.64	-319.10	12.00	11.98	0.85
12,575.00	63.10	358.07	12,443.26	-318.99	-418.42	-297.11	12.00	11.98	0.80
12,600.00	66.09	358.25	12,453.98	-296.42	-419.15	-274.54	12.00	11.98	0.76
12,610.51	67.35	358.33	12,458.13	-286.78	-419.43	-264.89	12.00	11.98	0.73
FTP (Neptune 10 State Com #704H)									
12,625.00	69.09	358.43	12,463.51	-273.32	-419.81	-251.43	12.00	11.98	0.71
12,650.00	72.09	358.61	12,471.82	-249.76	-420.42	-227.86	12.00	11.98	0.69
12,675.00	75.08	358.78	12,478.88	-225.78	-420.97	-203.90	12.00	11.98	0.67
12,700.00	78.08	358.94	12,484.69	-201.47	-421.45	-179.59	12.00	11.98	0.65
12,725.00	81.07	359.10	12,489.21	-176.89	-421.87	-155.02	12.00	11.98	0.64
12,750.00	84.07	359.25	12,492.44	-152.11	-422.23	-130.25	12.00	11.98	0.63
12,775.00	87.07	359.41	12,494.37	-127.19	-422.52	-105.35	12.00	11.98	0.62
12,799.49	90.00	359.56	12,495.00	-102.71	-422.74	-80.89	12.00	11.98	0.62
12,900.00	90.00	359.56	12,495.00	-2.20	-423.51	19.52	0.00	0.00	0.00
13,000.00	90.00	359.56	12,495.00	97.79	-424.28	119.43	0.00	0.00	0.00
13,100.00	90.00	359.56	12,495.00	197.79	-425.05	219.33	0.00	0.00	0.00
13,200.00	90.00	359.56	12,495.00	297.79	-425.82	319.24	0.00	0.00	0.00



EOG Resources, Inc.

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 Site: Neptune 10 State Com
 Well: #704H
 Wellbore: OH
 Design: Plan #0.1

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

Well #704H
 KB = 25' @ 3632.00usft
 KB = 25' @ 3632.00usft
 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)
13,300.00	90.00	359.56	12,495.00	397.79	-426.59	419.14	0.00	0.00	0.00
13,400.00	90.00	359.56	12,495.00	497.78	-427.35	519.05	0.00	0.00	0.00
13,500.00	90.00	359.56	12,495.00	597.78	-428.12	618.95	0.00	0.00	0.00
13,600.00	90.00	359.56	12,495.00	697.78	-428.89	718.86	0.00	0.00	0.00
13,700.00	90.00	359.56	12,495.00	797.77	-429.66	818.76	0.00	0.00	0.00
13,800.00	90.00	359.56	12,495.00	897.77	-430.43	918.67	0.00	0.00	0.00
13,900.00	90.00	359.56	12,495.00	997.77	-431.19	1,018.57	0.00	0.00	0.00
14,000.00	90.00	359.56	12,495.00	1,097.77	-431.96	1,118.48	0.00	0.00	0.00
14,100.00	90.00	359.56	12,495.00	1,197.76	-432.73	1,218.38	0.00	0.00	0.00
14,200.00	90.00	359.56	12,495.00	1,297.76	-433.50	1,318.29	0.00	0.00	0.00
14,300.00	90.00	359.56	12,495.00	1,397.76	-434.27	1,418.19	0.00	0.00	0.00
14,400.00	90.00	359.56	12,495.00	1,497.75	-435.03	1,518.09	0.00	0.00	0.00
14,500.00	90.00	359.56	12,495.00	1,597.75	-435.80	1,618.00	0.00	0.00	0.00
14,600.00	90.00	359.56	12,495.00	1,697.75	-436.57	1,717.90	0.00	0.00	0.00
14,700.00	90.00	359.56	12,495.00	1,797.74	-437.34	1,817.81	0.00	0.00	0.00
14,800.00	90.00	359.56	12,495.00	1,897.74	-438.10	1,917.71	0.00	0.00	0.00
14,900.00	90.00	359.56	12,495.00	1,997.74	-438.87	2,017.62	0.00	0.00	0.00
15,000.00	90.00	359.56	12,495.00	2,097.74	-439.64	2,117.52	0.00	0.00	0.00
15,100.00	90.00	359.56	12,495.00	2,197.73	-440.41	2,217.43	0.00	0.00	0.00
15,200.00	90.00	359.56	12,495.00	2,297.73	-441.18	2,317.33	0.00	0.00	0.00
15,300.00	90.00	359.56	12,495.00	2,397.73	-441.94	2,417.24	0.00	0.00	0.00
15,400.00	90.00	359.56	12,495.00	2,497.72	-442.71	2,517.14	0.00	0.00	0.00
15,500.00	90.00	359.56	12,495.00	2,597.72	-443.48	2,617.05	0.00	0.00	0.00
15,600.00	90.00	359.56	12,495.00	2,697.72	-444.25	2,716.95	0.00	0.00	0.00
15,700.00	90.00	359.56	12,495.00	2,797.72	-445.02	2,816.86	0.00	0.00	0.00
15,800.00	90.00	359.56	12,495.00	2,897.71	-445.78	2,916.76	0.00	0.00	0.00
15,900.00	90.00	359.56	12,495.00	2,997.71	-446.55	3,016.67	0.00	0.00	0.00
16,000.00	90.00	359.56	12,495.00	3,097.71	-447.32	3,116.57	0.00	0.00	0.00
16,100.00	90.00	359.56	12,495.00	3,197.70	-448.09	3,216.48	0.00	0.00	0.00
16,200.00	90.00	359.56	12,495.00	3,297.70	-448.86	3,316.38	0.00	0.00	0.00
16,300.00	90.00	359.56	12,495.00	3,397.70	-449.62	3,416.29	0.00	0.00	0.00
16,400.00	90.00	359.56	12,495.00	3,497.69	-450.39	3,516.19	0.00	0.00	0.00
16,500.00	90.00	359.56	12,495.00	3,597.69	-451.16	3,616.10	0.00	0.00	0.00
16,600.00	90.00	359.56	12,495.00	3,697.69	-451.93	3,716.00	0.00	0.00	0.00
16,700.00	90.00	359.56	12,495.00	3,797.69	-452.70	3,815.91	0.00	0.00	0.00
16,800.00	90.00	359.56	12,495.00	3,897.68	-453.46	3,915.81	0.00	0.00	0.00
16,900.00	90.00	359.56	12,495.00	3,997.68	-454.23	4,015.72	0.00	0.00	0.00
17,000.00	90.00	359.56	12,495.00	4,097.68	-455.00	4,115.62	0.00	0.00	0.00
17,100.00	90.00	359.56	12,495.00	4,197.67	-455.77	4,215.53	0.00	0.00	0.00
17,200.00	90.00	359.56	12,495.00	4,297.67	-456.54	4,315.43	0.00	0.00	0.00
17,300.00	90.00	359.56	12,495.00	4,397.67	-457.30	4,415.33	0.00	0.00	0.00
17,400.00	90.00	359.56	12,495.00	4,497.67	-458.07	4,515.24	0.00	0.00	0.00
17,500.00	90.00	359.56	12,495.00	4,597.66	-458.84	4,615.14	0.00	0.00	0.00
17,600.00	90.00	359.56	12,495.00	4,697.66	-459.61	4,715.05	0.00	0.00	0.00
17,700.00	90.00	359.56	12,495.00	4,797.66	-460.38	4,814.95	0.00	0.00	0.00
17,800.00	90.00	359.56	12,495.00	4,897.65	-461.14	4,914.86	0.00	0.00	0.00
17,900.00	90.00	359.56	12,495.00	4,997.65	-461.91	5,014.76	0.00	0.00	0.00
18,000.00	90.00	359.56	12,495.00	5,097.65	-462.68	5,114.67	0.00	0.00	0.00
18,100.00	90.00	359.56	12,495.00	5,197.64	-463.45	5,214.57	0.00	0.00	0.00
18,200.00	90.00	359.56	12,495.00	5,297.64	-464.21	5,314.48	0.00	0.00	0.00
18,300.00	90.00	359.56	12,495.00	5,397.64	-464.98	5,414.38	0.00	0.00	0.00
18,400.00	90.00	359.56	12,495.00	5,497.64	-465.75	5,514.29	0.00	0.00	0.00
18,500.00	90.00	359.56	12,495.00	5,597.63	-466.52	5,614.19	0.00	0.00	0.00
18,600.00	90.00	359.56	12,495.00	5,697.63	-467.29	5,714.10	0.00	0.00	0.00



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Wellbore: OH
Design: Plan #0.1

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

Well #704H
KB = 25' @ 3632.00usft
KB = 25' @ 3632.00usft
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)
18,700.00	90.00	359.56	12,495.00	5,797.63	-468.05	5,814.00	0.00	0.00	0.00
18,800.00	90.00	359.56	12,495.00	5,897.62	-468.82	5,913.91	0.00	0.00	0.00
18,900.00	90.00	359.56	12,495.00	5,997.62	-469.59	6,013.81	0.00	0.00	0.00
19,000.00	90.00	359.56	12,495.00	6,097.62	-470.36	6,113.72	0.00	0.00	0.00
19,100.00	90.00	359.56	12,495.00	6,197.62	-471.13	6,213.62	0.00	0.00	0.00
19,200.00	90.00	359.56	12,495.00	6,297.61	-471.89	6,313.53	0.00	0.00	0.00
19,300.00	90.00	359.56	12,495.00	6,397.61	-472.66	6,413.43	0.00	0.00	0.00
19,400.00	90.00	359.56	12,495.00	6,497.61	-473.43	6,513.34	0.00	0.00	0.00
19,500.00	90.00	359.56	12,495.00	6,597.60	-474.20	6,613.24	0.00	0.00	0.00
19,600.00	90.00	359.56	12,495.00	6,697.60	-474.97	6,713.15	0.00	0.00	0.00
19,700.00	90.00	359.56	12,495.00	6,797.60	-475.73	6,813.05	0.00	0.00	0.00
19,800.00	90.00	359.56	12,495.00	6,897.59	-476.50	6,912.96	0.00	0.00	0.00
19,900.00	90.00	359.56	12,495.00	6,997.59	-477.27	7,012.86	0.00	0.00	0.00
20,000.00	90.00	359.56	12,495.00	7,097.59	-478.04	7,112.77	0.00	0.00	0.00
20,100.00	90.00	359.56	12,495.00	7,197.59	-478.81	7,212.67	0.00	0.00	0.00
20,200.00	90.00	359.56	12,495.00	7,297.58	-479.57	7,312.57	0.00	0.00	0.00
20,300.00	90.00	359.56	12,495.00	7,397.58	-480.34	7,412.48	0.00	0.00	0.00
20,400.00	90.00	359.56	12,495.00	7,497.58	-481.11	7,512.38	0.00	0.00	0.00
20,500.00	90.00	359.56	12,495.00	7,597.57	-481.88	7,612.29	0.00	0.00	0.00
20,600.00	90.00	359.56	12,495.00	7,697.57	-482.65	7,712.19	0.00	0.00	0.00
20,700.00	90.00	359.56	12,495.00	7,797.57	-483.41	7,812.10	0.00	0.00	0.00
20,800.00	90.00	359.56	12,495.00	7,897.57	-484.18	7,912.00	0.00	0.00	0.00
20,900.00	90.00	359.56	12,495.00	7,997.56	-484.95	8,011.91	0.00	0.00	0.00
21,000.00	90.00	359.56	12,495.00	8,097.56	-485.72	8,111.81	0.00	0.00	0.00
21,100.00	90.00	359.56	12,495.00	8,197.56	-486.48	8,211.72	0.00	0.00	0.00
21,200.00	90.00	359.56	12,495.00	8,297.55	-487.25	8,311.62	0.00	0.00	0.00
21,300.00	90.00	359.56	12,495.00	8,397.55	-488.02	8,411.53	0.00	0.00	0.00
21,400.00	90.00	359.56	12,495.00	8,497.55	-488.79	8,511.43	0.00	0.00	0.00
21,500.00	90.00	359.56	12,495.00	8,597.54	-489.56	8,611.34	0.00	0.00	0.00
21,600.00	90.00	359.56	12,495.00	8,697.54	-490.32	8,711.24	0.00	0.00	0.00
21,700.00	90.00	359.56	12,495.00	8,797.54	-491.09	8,811.15	0.00	0.00	0.00
21,800.00	90.00	359.56	12,495.00	8,897.54	-491.86	8,911.05	0.00	0.00	0.00
21,900.00	90.00	359.56	12,495.00	8,997.53	-492.63	9,010.96	0.00	0.00	0.00
22,000.00	90.00	359.56	12,495.00	9,097.53	-493.40	9,110.86	0.00	0.00	0.00
22,100.00	90.00	359.56	12,495.00	9,197.53	-494.16	9,210.77	0.00	0.00	0.00
22,200.00	90.00	359.56	12,495.00	9,297.52	-494.93	9,310.67	0.00	0.00	0.00
22,300.00	90.00	359.56	12,495.00	9,397.52	-495.70	9,410.58	0.00	0.00	0.00
22,400.00	90.00	359.56	12,495.00	9,497.52	-496.47	9,510.48	0.00	0.00	0.00
22,500.00	90.00	359.56	12,495.00	9,597.52	-497.24	9,610.39	0.00	0.00	0.00
22,599.49	90.00	359.56	12,495.00	9,697.00	-498.00	9,709.78	0.00	0.00	0.00

PBHL (Neptune 10 State Com #704H)



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Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #704H
TVD Reference: KB = 25' @ 3632.00usft
MD Reference: KB = 25' @ 3632.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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 (Neptune 10 State - plan hits target center - Point	0.00	0.00	12,495.00	9,697.00	-498.00	456,724.00	779,293.00	32.25326462	-103.56359204
FTP (Neptune 10 State - plan misses target center by 39.89usft at 12610.51usft MD (12458.13 TVD, -286.78 N, -419.43 E) - Point	0.00	0.01	12,495.00	-302.00	-420.00	446,725.00	779,371.00	32.22577932	-103.56357155