



Lea County, NM (NAD 27 NME)

Dragon 36 State #708H
Plan #1

PROJECT DETAILS: Lea County, NM (NAD 27 NME)

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level



Azimuths to Grid North
True North: -0.43°
Magnetic North: 6.82°
Magnetic Field
Strength: 47933.3mT
Dip Angle: 66.02°
Date: 3/24/2017
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.82°
To convert a Magnetic Direction to a True Direction, Add 6.89° East
To convert a True Direction to a Grid Direction, Subtract 6.43°

WELL DETAILS: #708H

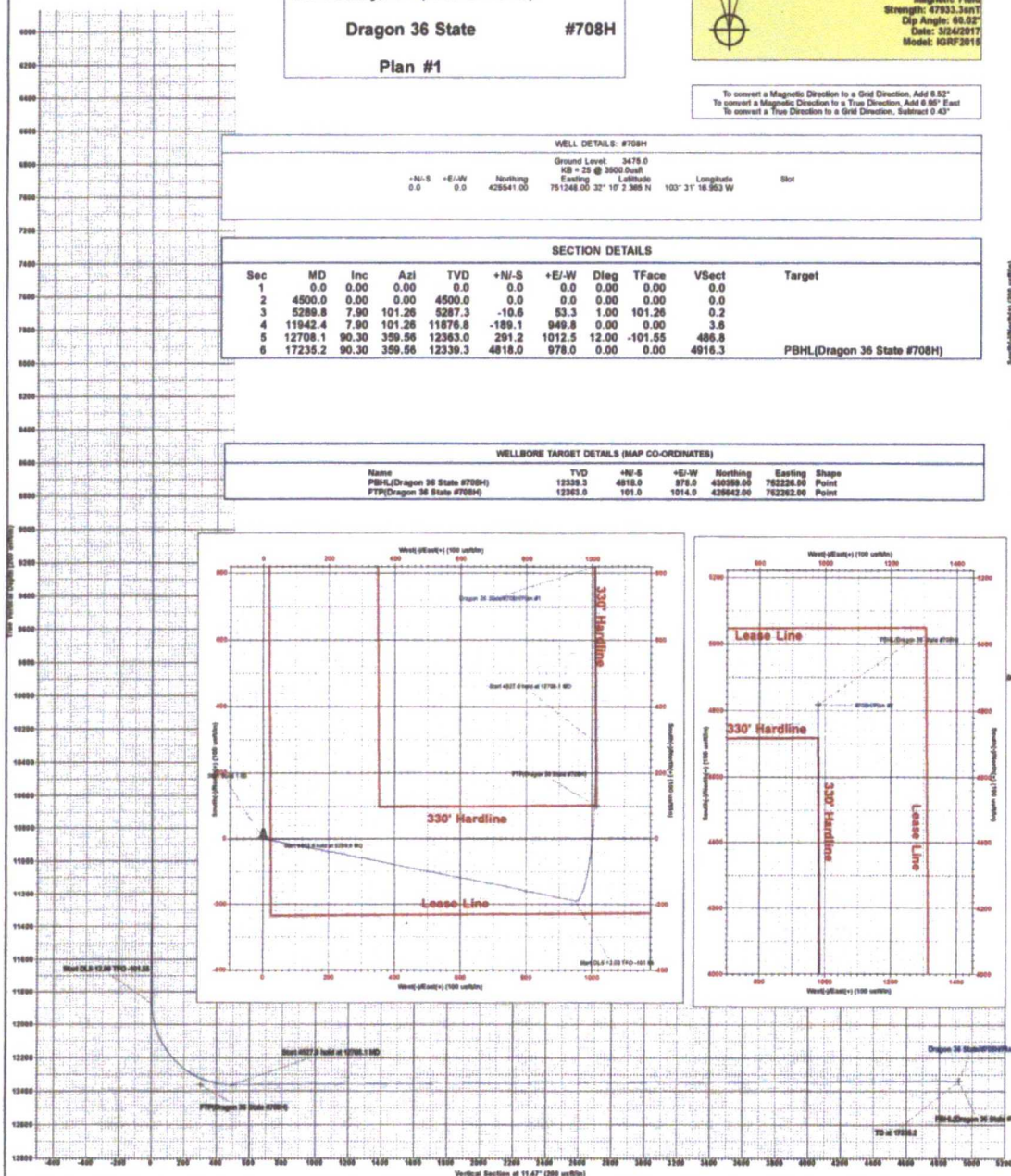
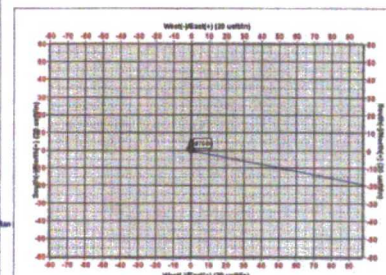
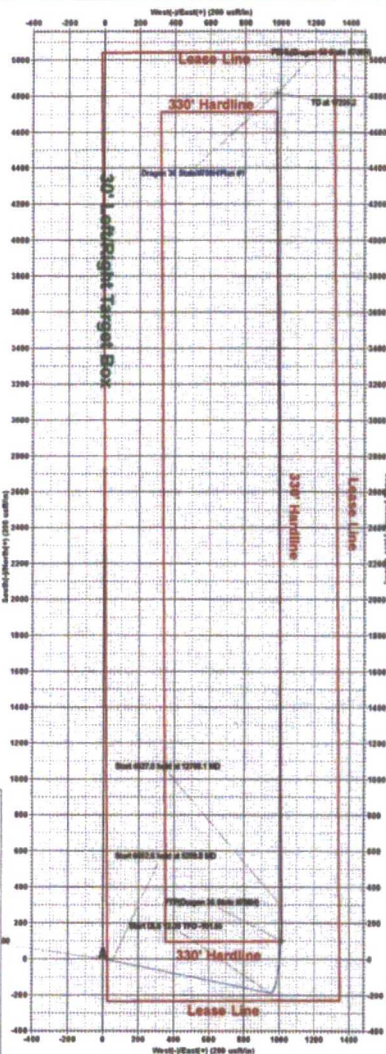
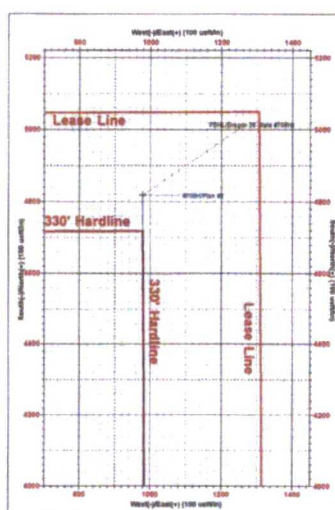
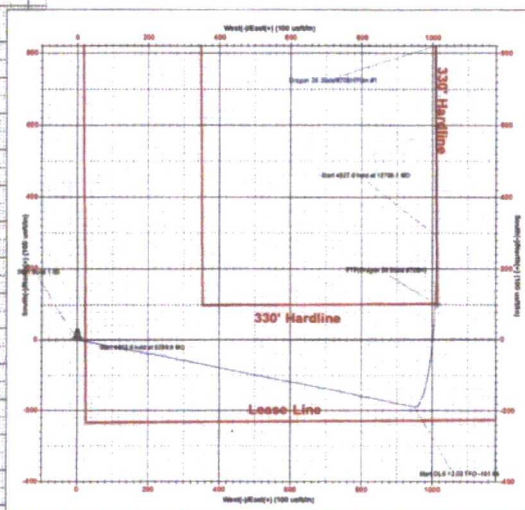
Ground Level: 3478.6
KB = 35 @ 3500 ft
+N-S +E-W Northing Easting Longitude Shot
0.0 0.0 429541.00 751248.00 32° 16' 2.365 N 103° 31' 16.953 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Diag	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4500.0	0.00	0.00	4500.0	0.0	0.0	0.00	0.00	0.0	
3	5289.8	7.90	101.26	5287.3	-10.6	53.3	1.00	101.26	0.2	
4	11942.4	7.90	101.26	11876.8	-189.1	949.8	0.00	0.00	3.6	
5	12708.1	90.30	359.56	12363.0	291.2	1012.5	12.00	-101.55	486.8	
6	17235.2	90.30	359.56	12339.3	4818.0	978.0	0.00	0.00	4816.3	PBHL(Dragon 36 State #708H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name TVD +N-S +E-W Northing Easting Shape
PBHL(Dragon 36 State #708H) 12339.3 4818.0 978.0 430569.00 762226.00 Point
FTP(Dragon 36 State #708H) 12363.0 101.0 1014.0 429642.00 762262.00 Point





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Dragon 36 State

#708H

OH

Plan: Plan #1

Standard Planning Report

24 March, 2017



EOG Resources, Inc. Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Dragon 36 State
Well: #708H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #708H
TVD Reference: KB = 25 @ 3500.0usft
MD Reference: KB = 25 @ 3500.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project Lea County, NM (NAD 27 NME)

Map System: US State Plane 1927 (Exact solution)
Geo Datum: NAD 1927 (NADCON CONUS)
Map Zone: New Mexico East 3001

System Datum: Mean Sea Level

Site Dragon 36 State

Site Position: Northing: 425,530.00 usft Latitude: 32° 10' 2.209 N
From: Map Easting: 751,878.00 usft Longitude: 103° 31' 9.625 W
Position Uncertainty: 0.0 usft Slot Radius: 13-3/16" Grid Convergence: 0.43°

Well #708H

Well Position +N/-S 11.0 usft Northing: 425,541.00 usft Latitude: 32° 10' 2.365 N
+E/-W -630.0 usft Easting: 751,248.00 usft Longitude: 103° 31' 16.953 W
Position Uncertainty 0.0 usft Wellhead Elevation: 0.0 usft Ground Level: 3,475.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	3/24/2017	6.95	60.02	47,933

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)	Direction (°)
	0.0	0.0	0.0	11.47

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	
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,289.8	7.90	101.26	5,287.3	-10.6	53.3	1.00	1.00	0.00	101.26	
11,942.4	7.90	101.26	11,876.8	-189.1	949.8	0.00	0.00	0.00	0.00	
12,708.1	90.30	359.56	12,363.0	291.2	1,012.5	12.00	10.76	-13.28	-101.55	
17,235.2	90.30	359.56	12,339.3	4,818.0	978.0	0.00	0.00	0.00	0.00	PBHL(Dragon 36 Stat



EOG Resources, Inc.

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 Site: Dragon 36 State
 Well: #708H
 Wellbore: OH
 Design: Plan #1

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

Well #708H
 KB = 25 @ 3500.0usft
 KB = 25 @ 3500.0usft
 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	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	1.00	101.26	4,600.0	-0.2	0.9	0.0	1.00	1.00	0.00
4,700.0	2.00	101.26	4,700.0	-0.7	3.4	0.0	1.00	1.00	0.00
4,800.0	3.00	101.26	4,799.9	-1.5	7.7	0.0	1.00	1.00	0.00
4,900.0	4.00	101.26	4,899.7	-2.7	13.7	0.1	1.00	1.00	0.00
5,000.0	5.00	101.26	4,999.4	-4.3	21.4	0.1	1.00	1.00	0.00
5,100.0	6.00	101.26	5,098.9	-6.1	30.8	0.1	1.00	1.00	0.00
5,200.0	7.00	101.26	5,198.3	-8.3	41.9	0.2	1.00	1.00	0.00
5,289.8	7.90	101.26	5,287.3	-10.6	53.3	0.2	1.00	1.00	0.00



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Design: Plan #1

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TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well #708H
KB = 25 @ 3500.0usft
KB = 25 @ 3500.0usft
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	7.90	101.26	5,297.4	-10.9	54.7	0.2	0.00	0.00	0.00
5,400.0	7.90	101.26	5,396.5	-13.6	68.2	0.3	0.00	0.00	0.00
5,500.0	7.90	101.26	5,495.5	-16.3	81.6	0.3	0.00	0.00	0.00
5,600.0	7.90	101.26	5,594.6	-18.9	95.1	0.4	0.00	0.00	0.00
5,700.0	7.90	101.26	5,693.6	-21.6	108.6	0.4	0.00	0.00	0.00
5,800.0	7.90	101.26	5,792.7	-24.3	122.1	0.5	0.00	0.00	0.00
5,900.0	7.90	101.26	5,891.7	-27.0	135.5	0.5	0.00	0.00	0.00
6,000.0	7.90	101.26	5,990.8	-29.7	149.0	0.6	0.00	0.00	0.00
6,100.0	7.90	101.26	6,089.8	-32.3	162.5	0.6	0.00	0.00	0.00
6,200.0	7.90	101.26	6,188.9	-35.0	176.0	0.7	0.00	0.00	0.00
6,300.0	7.90	101.26	6,287.9	-37.7	189.4	0.7	0.00	0.00	0.00
6,400.0	7.90	101.26	6,387.0	-40.4	202.9	0.8	0.00	0.00	0.00
6,500.0	7.90	101.26	6,486.0	-43.1	216.4	0.8	0.00	0.00	0.00
6,600.0	7.90	101.26	6,585.1	-45.8	229.9	0.9	0.00	0.00	0.00
6,700.0	7.90	101.26	6,684.1	-48.4	243.3	0.9	0.00	0.00	0.00
6,800.0	7.90	101.26	6,783.2	-51.1	256.8	1.0	0.00	0.00	0.00
6,900.0	7.90	101.26	6,882.2	-53.8	270.3	1.0	0.00	0.00	0.00
7,000.0	7.90	101.26	6,981.3	-56.5	283.8	1.1	0.00	0.00	0.00
7,100.0	7.90	101.26	7,080.3	-59.2	297.2	1.1	0.00	0.00	0.00
7,200.0	7.90	101.26	7,179.4	-61.9	310.7	1.2	0.00	0.00	0.00
7,300.0	7.90	101.26	7,278.4	-64.5	324.2	1.2	0.00	0.00	0.00
7,400.0	7.90	101.26	7,377.5	-67.2	337.7	1.3	0.00	0.00	0.00
7,500.0	7.90	101.26	7,476.5	-69.9	351.2	1.3	0.00	0.00	0.00
7,600.0	7.90	101.26	7,575.6	-72.6	364.6	1.4	0.00	0.00	0.00
7,700.0	7.90	101.26	7,674.6	-75.3	378.1	1.5	0.00	0.00	0.00
7,800.0	7.90	101.26	7,773.7	-78.0	391.6	1.5	0.00	0.00	0.00
7,900.0	7.90	101.26	7,872.7	-80.6	405.1	1.6	0.00	0.00	0.00
8,000.0	7.90	101.26	7,971.8	-83.3	418.5	1.6	0.00	0.00	0.00
8,100.0	7.90	101.26	8,070.8	-86.0	432.0	1.7	0.00	0.00	0.00
8,200.0	7.90	101.26	8,169.9	-88.7	445.5	1.7	0.00	0.00	0.00
8,300.0	7.90	101.26	8,268.9	-91.4	459.0	1.8	0.00	0.00	0.00
8,400.0	7.90	101.26	8,368.0	-94.0	472.4	1.8	0.00	0.00	0.00
8,500.0	7.90	101.26	8,467.1	-96.7	485.9	1.9	0.00	0.00	0.00
8,600.0	7.90	101.26	8,566.1	-99.4	499.4	1.9	0.00	0.00	0.00
8,700.0	7.90	101.26	8,665.2	-102.1	512.9	2.0	0.00	0.00	0.00
8,800.0	7.90	101.26	8,764.2	-104.8	526.3	2.0	0.00	0.00	0.00
8,900.0	7.90	101.26	8,863.3	-107.5	539.8	2.1	0.00	0.00	0.00
9,000.0	7.90	101.26	8,962.3	-110.1	553.3	2.1	0.00	0.00	0.00
9,100.0	7.90	101.26	9,061.4	-112.8	566.8	2.2	0.00	0.00	0.00
9,200.0	7.90	101.26	9,160.4	-115.5	580.2	2.2	0.00	0.00	0.00
9,300.0	7.90	101.26	9,259.5	-118.2	593.7	2.3	0.00	0.00	0.00
9,400.0	7.90	101.26	9,358.5	-120.9	607.2	2.3	0.00	0.00	0.00
9,500.0	7.90	101.26	9,457.6	-123.6	620.7	2.4	0.00	0.00	0.00
9,600.0	7.90	101.26	9,556.6	-126.2	634.2	2.4	0.00	0.00	0.00
9,700.0	7.90	101.26	9,655.7	-128.9	647.6	2.5	0.00	0.00	0.00
9,800.0	7.90	101.26	9,754.7	-131.6	661.1	2.5	0.00	0.00	0.00
9,900.0	7.90	101.26	9,853.8	-134.3	674.6	2.6	0.00	0.00	0.00
10,000.0	7.90	101.26	9,952.8	-137.0	688.1	2.6	0.00	0.00	0.00
10,100.0	7.90	101.26	10,051.9	-139.7	701.5	2.7	0.00	0.00	0.00
10,200.0	7.90	101.26	10,150.9	-142.3	715.0	2.7	0.00	0.00	0.00
10,300.0	7.90	101.26	10,250.0	-145.0	728.5	2.8	0.00	0.00	0.00
10,400.0	7.90	101.26	10,349.0	-147.7	742.0	2.8	0.00	0.00	0.00
10,500.0	7.90	101.26	10,448.1	-150.4	755.4	2.9	0.00	0.00	0.00
10,600.0	7.90	101.26	10,547.1	-153.1	768.9	3.0	0.00	0.00	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)
10,700.0	7.90	101.26	10,646.2	-155.8	782.4	3.0	0.00	0.00	0.00
10,800.0	7.90	101.26	10,745.2	-158.4	795.9	3.1	0.00	0.00	0.00
10,900.0	7.90	101.26	10,844.3	-161.1	809.3	3.1	0.00	0.00	0.00
11,000.0	7.90	101.26	10,943.3	-163.8	822.8	3.2	0.00	0.00	0.00
11,100.0	7.90	101.26	11,042.4	-166.5	836.3	3.2	0.00	0.00	0.00
11,200.0	7.90	101.26	11,141.4	-169.2	849.8	3.3	0.00	0.00	0.00
11,300.0	7.90	101.26	11,240.5	-171.8	863.2	3.3	0.00	0.00	0.00
11,400.0	7.90	101.26	11,339.5	-174.5	876.7	3.4	0.00	0.00	0.00
11,500.0	7.90	101.26	11,438.6	-177.2	890.2	3.4	0.00	0.00	0.00
11,600.0	7.90	101.26	11,537.6	-179.9	903.7	3.5	0.00	0.00	0.00
11,700.0	7.90	101.26	11,636.7	-182.6	917.1	3.5	0.00	0.00	0.00
11,800.0	7.90	101.26	11,735.8	-185.3	930.6	3.6	0.00	0.00	0.00
11,900.0	7.90	101.26	11,834.8	-187.9	944.1	3.6	0.00	0.00	0.00
11,942.4	7.90	101.26	11,876.8	-189.1	949.8	3.6	0.00	0.00	0.00
11,950.0	7.77	94.59	11,884.3	-189.2	950.8	3.7	12.00	-1.72	-87.20
11,975.0	8.08	72.81	11,909.1	-188.8	954.2	4.8	12.00	1.24	-87.13
12,000.0	9.38	54.90	11,933.8	-187.1	957.5	7.1	12.00	5.23	-71.65
12,025.0	11.35	42.21	11,958.4	-184.2	960.9	10.7	12.00	7.85	-50.75
12,050.0	13.69	33.51	11,982.8	-179.9	964.2	15.5	12.00	9.36	-34.81
12,075.0	16.24	27.40	12,007.0	-174.3	967.4	21.6	12.00	10.22	-24.44
12,100.0	18.93	22.94	12,030.8	-167.5	970.6	29.0	12.00	10.73	-17.82
12,125.0	21.69	19.58	12,054.2	-159.4	973.7	37.5	12.00	11.06	-13.48
12,150.0	24.51	16.94	12,077.2	-150.1	976.8	47.3	12.00	11.27	-10.54
12,175.0	27.36	14.82	12,099.7	-139.5	979.8	58.2	12.00	11.42	-8.47
12,200.0	30.24	13.08	12,121.6	-127.8	982.7	70.2	12.00	11.52	-6.98
12,225.0	33.14	11.61	12,142.9	-115.0	985.5	83.3	12.00	11.60	-5.86
12,250.0	36.06	10.36	12,163.5	-101.1	988.2	97.5	12.00	11.66	-5.02
12,275.0	38.98	9.27	12,183.3	-86.1	990.7	112.7	12.00	11.70	-4.36
12,300.0	41.92	8.31	12,202.3	-70.1	993.2	128.9	12.00	11.74	-3.84
12,325.0	44.86	7.45	12,220.5	-53.0	995.6	146.1	12.00	11.77	-3.43
12,350.0	47.81	6.68	12,237.7	-35.1	997.8	164.1	12.00	11.79	-3.09
12,375.0	50.76	5.97	12,254.0	-16.3	999.9	183.0	12.00	11.81	-2.81
12,400.0	53.71	5.33	12,269.4	3.4	1,001.8	202.6	12.00	11.82	-2.59
12,425.0	56.67	4.73	12,283.6	23.8	1,003.6	223.0	12.00	11.84	-2.40
12,450.0	59.64	4.17	12,296.8	45.0	1,005.3	244.1	12.00	11.85	-2.24
12,475.0	62.60	3.64	12,308.9	66.8	1,006.7	265.8	12.00	11.86	-2.11
12,500.0	65.57	3.14	12,319.8	89.3	1,008.1	288.0	12.00	11.86	-2.00
12,525.0	68.53	2.67	12,329.6	112.3	1,009.2	310.8	12.00	11.87	-1.91
12,526.0	68.66	2.65	12,329.9	113.2	1,009.3	311.7	12.00	11.87	-1.86
FTP(Dragon 36 State #708H)									
12,550.0	71.50	2.21	12,338.1	135.8	1,010.2	334.0	12.00	11.88	-1.83
12,575.0	74.47	1.77	12,345.4	159.6	1,011.1	357.6	12.00	11.88	-1.77
12,600.0	77.44	1.34	12,351.5	183.9	1,011.7	381.5	12.00	11.88	-1.72
12,625.0	80.42	0.92	12,356.3	208.4	1,012.2	405.6	12.00	11.89	-1.68
12,650.0	83.39	0.51	12,359.8	233.2	1,012.5	429.9	12.00	11.89	-1.65
12,675.0	86.36	0.10	12,362.0	258.1	1,012.6	454.3	12.00	11.89	-1.63
12,700.0	89.33	359.69	12,363.0	283.0	1,012.6	478.8	12.00	11.89	-1.62
12,708.1	90.30	359.56	12,363.0	291.2	1,012.5	486.8	12.00	11.89	-1.62
12,800.0	90.30	359.56	12,362.5	383.0	1,011.8	576.7	0.00	0.00	0.00
12,900.0	90.30	359.56	12,362.0	483.0	1,011.1	674.5	0.00	0.00	0.00
13,000.0	90.30	359.56	12,361.5	583.0	1,010.3	772.4	0.00	0.00	0.00
13,100.0	90.30	359.56	12,361.0	683.0	1,009.6	870.2	0.00	0.00	0.00
13,200.0	90.30	359.56	12,360.4	783.0	1,008.8	968.0	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 27 NME)
 Site: Dragon 36 State
 Well: #708H
 Wellbore: OH
 Design: Plan #1

Local Co-ordinate Reference: Well #708H
 TVD Reference: KB = 25 @ 3500.0usft
 MD Reference: KB = 25 @ 3500.0usft
 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)
13,300.0	90.30	359.56	12,359.9	883.0	1,008.0	1,065.9	0.00	0.00	0.00
13,400.0	90.30	359.56	12,359.4	983.0	1,007.3	1,163.7	0.00	0.00	0.00
13,500.0	90.30	359.56	12,358.9	1,083.0	1,006.5	1,261.6	0.00	0.00	0.00
13,600.0	90.30	359.56	12,358.3	1,183.0	1,005.7	1,359.4	0.00	0.00	0.00
13,700.0	90.30	359.56	12,357.8	1,283.0	1,005.0	1,457.3	0.00	0.00	0.00
13,800.0	90.30	359.56	12,357.3	1,383.0	1,004.2	1,555.1	0.00	0.00	0.00
13,900.0	90.30	359.56	12,356.8	1,483.0	1,003.5	1,653.0	0.00	0.00	0.00
14,000.0	90.30	359.56	12,356.2	1,583.0	1,002.7	1,750.8	0.00	0.00	0.00
14,100.0	90.30	359.56	12,355.7	1,683.0	1,001.9	1,848.7	0.00	0.00	0.00
14,200.0	90.30	359.56	12,355.2	1,783.0	1,001.2	1,946.5	0.00	0.00	0.00
14,300.0	90.30	359.56	12,354.7	1,883.0	1,000.4	2,044.3	0.00	0.00	0.00
14,400.0	90.30	359.56	12,354.1	1,983.0	999.6	2,142.2	0.00	0.00	0.00
14,500.0	90.30	359.56	12,353.6	2,083.0	998.9	2,240.0	0.00	0.00	0.00
14,600.0	90.30	359.56	12,353.1	2,183.0	998.1	2,337.9	0.00	0.00	0.00
14,700.0	90.30	359.56	12,352.6	2,282.9	997.3	2,435.7	0.00	0.00	0.00
14,800.0	90.30	359.56	12,352.1	2,382.9	996.6	2,533.6	0.00	0.00	0.00
14,900.0	90.30	359.56	12,351.5	2,482.9	995.8	2,631.4	0.00	0.00	0.00
15,000.0	90.30	359.56	12,351.0	2,582.9	995.1	2,729.3	0.00	0.00	0.00
15,100.0	90.30	359.56	12,350.5	2,682.9	994.3	2,827.1	0.00	0.00	0.00
15,200.0	90.30	359.56	12,350.0	2,782.9	993.5	2,924.9	0.00	0.00	0.00
15,300.0	90.30	359.56	12,349.4	2,882.9	992.8	3,022.8	0.00	0.00	0.00
15,400.0	90.30	359.56	12,348.9	2,982.9	992.0	3,120.6	0.00	0.00	0.00
15,500.0	90.30	359.56	12,348.4	3,082.9	991.2	3,218.5	0.00	0.00	0.00
15,600.0	90.30	359.56	12,347.9	3,182.9	990.5	3,316.3	0.00	0.00	0.00
15,700.0	90.30	359.56	12,347.3	3,282.9	989.7	3,414.2	0.00	0.00	0.00
15,800.0	90.30	359.56	12,346.8	3,382.9	989.0	3,512.0	0.00	0.00	0.00
15,900.0	90.30	359.56	12,346.3	3,482.9	988.2	3,609.9	0.00	0.00	0.00
16,000.0	90.30	359.56	12,345.8	3,582.9	987.4	3,707.7	0.00	0.00	0.00
16,100.0	90.30	359.56	12,345.2	3,682.9	986.7	3,805.6	0.00	0.00	0.00
16,200.0	90.30	359.56	12,344.7	3,782.9	985.9	3,903.4	0.00	0.00	0.00
16,300.0	90.30	359.56	12,344.2	3,882.9	985.1	4,001.2	0.00	0.00	0.00
16,400.0	90.30	359.56	12,343.7	3,982.9	984.4	4,099.1	0.00	0.00	0.00
16,500.0	90.30	359.56	12,343.1	4,082.9	983.6	4,196.9	0.00	0.00	0.00
16,600.0	90.30	359.56	12,342.6	4,182.9	982.8	4,294.8	0.00	0.00	0.00
16,700.0	90.30	359.56	12,342.1	4,282.9	982.1	4,392.6	0.00	0.00	0.00
16,800.0	90.30	359.56	12,341.6	4,382.9	981.3	4,490.5	0.00	0.00	0.00
16,900.0	90.30	359.56	12,341.1	4,482.9	980.6	4,588.3	0.00	0.00	0.00
17,000.0	90.30	359.56	12,340.5	4,582.8	979.8	4,686.2	0.00	0.00	0.00
17,100.0	90.30	359.56	12,340.0	4,682.8	979.0	4,784.0	0.00	0.00	0.00
17,200.0	90.30	359.56	12,339.5	4,782.8	978.3	4,881.9	0.00	0.00	0.00
17,235.2	90.30	359.56	12,339.3	4,818.0	978.0	4,916.3	0.00	0.00	0.00

PBHL(Dragon 36 State #708H)



EOG Resources, Inc.
Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Dragon 36 State
Well: #708H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #708H
TVD Reference: KB = 25 @ 3500.0usft
MD Reference: KB = 25 @ 3500.0usft
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(Dragon 36 State #1 - plan hits target center - Point	0.00	0.00	12,339.3	4,818.0	978.0	430,359.00	752,226.00	32° 10' 49.968 N	103° 31' 5.151 W
FTP(Dragon 36 State #7 - plan misses target center by 35.6usft at 12526.0usft MD (12329.9 TVD, 113.2 N, 1009.3 E) - Point	0.00	0.00	12,363.0	101.0	1,014.0	425,642.00	752,262.00	32° 10' 3.288 N	103° 31' 5.148 W