



Lea County, NM (NAD 27 NME)

Dragon 36 State

#704H

Precision #812

Plan #1

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

Ceodetic System: US State Plans 1627 (Exact solution)
Datum: NAD 1983 (NAD80 CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level



Azimuths to Grid North:
True North: 0.43°
Magnetic North: 6.70°
Magnetic Field
Strength: 48097.0nT
Dip Angle: 65.64°
Date: 8/25/2016
Model: IGRF2016

To convert a Magnetic Direction to a Grid Direction, Add 6.70°
To convert a Magnetic Direction to a True Direction, Add 7.13° East
To convert a True Direction to a Grid Direction, Subtract 0.43°

WELL DETAILS: #704H

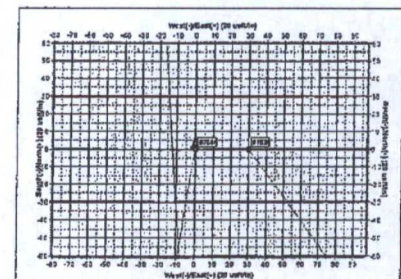
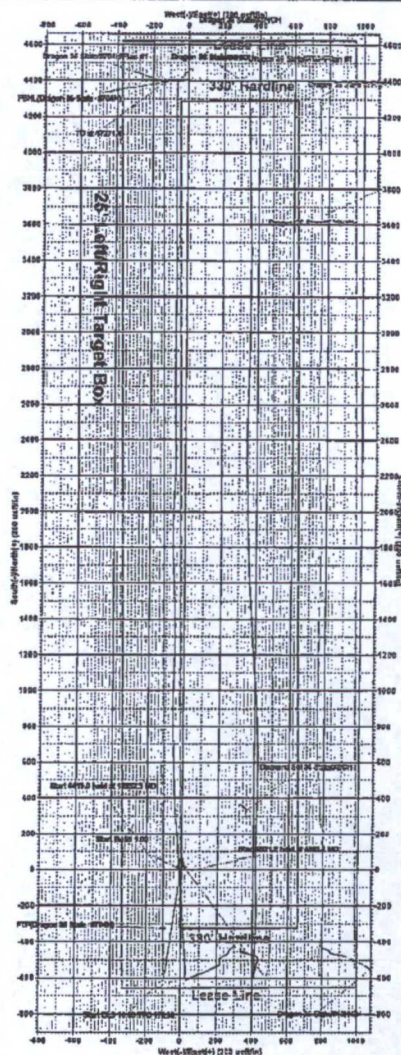
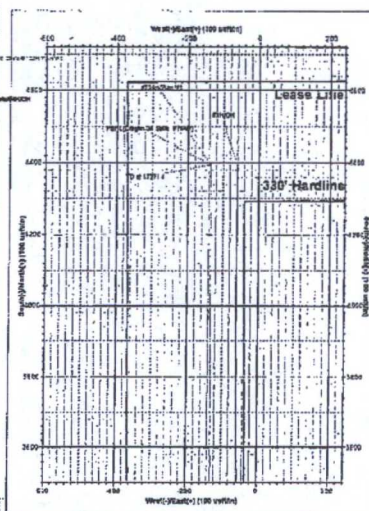
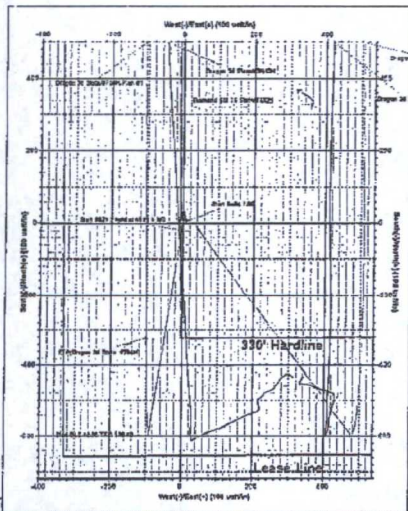
Ground Level: 3483.0
NS = 23 @ 3908.0m (Precision #812)
+N-S +E-W Northing Easting Longitude Dist
0.0 0.0 425848.55 749892.00 10° 10' 5.502 N 103° 31' 43.111 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	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	4583.4	4.83	188.84	4982.8	-20.1	-3.1	1.00	188.84	-20.0	
4	11904.6	4.83	188.84	11879.4	-596.8	-90.7	0.00	0.00	-593.7	
5	12852.3	90.00	359.58	12500.0	-25.9	-103.2	10.00	170.90	-22.7	
6	17271.4	90.00	359.58	12500.0	4393.0	-136.0	0.00	0.00	4395.1	PBHL(Dragon 36 State #704H)

WELLS TARGET DETAILS (MAP COORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting	Shape
FTP(Dragon 36 State #704H)	12678.0	-325.0	-101.8	425822.00	748981.00	Point
PBHL(Dragon 36 State #704H)	12500.0	4393.0	-136.0	430341.00	749826.00	Point



FEB 15 2016



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Dragon 36 State

#704H

OH

Plan: Plan #1

Standard Planning Report

30 June, 2015



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: #704H
 Wellbore: OH
 Design: Plan #1

Local Co-ordinate Reference: Well #704H
 TVD Reference: KB = 25 @ 3508.0usft (Precision #612)
 MD Reference: KB = 25 @ 3508.0usft (Precision #612)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Project	Lea County, NM (NAD 27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

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	#704H					
Well Position	+N/-S	418.0 usft	Northing:	425,948.00 usft	Latitude:	32° 10' 6.562 N
	+E/-W	-2,916.0 usft	Easting:	748,962.00 usft	Longitude:	103° 31' 43.511 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,483.0 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	8/20/2015	7.13	60.04	48,097

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	358.23

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	
4,983.4	4.83	188.64	4,982.8	-20.1	-3.1	1.00	1.00	0.00	188.64	
11,904.6	4.83	188.64	11,879.4	-596.8	-90.7	0.00	0.00	0.00	0.00	
12,852.3	90.00	359.58	12,500.0	-25.9	-103.2	10.00	8.99	18.04	170.90	
17,271.4	90.00	359.58	12,500.0	4,393.0	-136.0	0.00	0.00	0.00	0.00	PBHL(Dragon 36 Stat



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 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)
0.0	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	188.64	4,600.0	-0.9	-0.1	-0.9	1.00	1.00	0.00
4,700.0	2.00	188.64	4,700.0	-3.5	-0.5	-3.4	1.00	1.00	0.00
4,800.0	3.00	188.64	4,799.9	-7.8	-1.2	-7.7	1.00	1.00	0.00
4,900.0	4.00	188.64	4,899.7	-13.8	-2.1	-13.7	1.00	1.00	0.00
4,983.4	4.83	188.64	4,982.8	-20.1	-3.1	-20.0	1.00	1.00	0.00
5,000.0	4.83	188.64	4,999.4	-21.5	-3.3	-21.4	0.00	0.00	0.00
5,100.0	4.83	188.64	5,099.0	-29.9	-4.5	-29.7	0.00	0.00	0.00
5,200.0	4.83	188.64	5,198.7	-36.2	-5.8	-36.0	0.00	0.00	0.00



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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	4.83	188.64	5,288.3	-46.5	-7.1	-46.3	0.00	0.00	0.00
5,400.0	4.83	188.64	5,397.9	-54.9	-8.3	-54.6	0.00	0.00	0.00
5,500.0	4.83	188.64	5,497.6	-63.2	-9.6	-62.9	0.00	0.00	0.00
5,600.0	4.83	188.64	5,597.2	-71.5	-10.9	-71.1	0.00	0.00	0.00
5,700.0	4.83	188.64	5,696.9	-79.9	-12.1	-79.4	0.00	0.00	0.00
5,800.0	4.83	188.64	5,796.5	-88.2	-13.4	-87.7	0.00	0.00	0.00
5,900.0	4.83	188.64	5,896.2	-96.5	-14.7	-96.0	0.00	0.00	0.00
6,000.0	4.83	188.64	5,995.8	-104.8	-15.9	-104.3	0.00	0.00	0.00
6,100.0	4.83	188.64	6,095.5	-113.2	-17.2	-112.6	0.00	0.00	0.00
6,200.0	4.83	188.64	6,195.1	-121.5	-18.5	-120.9	0.00	0.00	0.00
6,300.0	4.83	188.64	6,294.7	-129.8	-19.7	-129.2	0.00	0.00	0.00
6,400.0	4.83	188.64	6,394.4	-138.2	-21.0	-137.5	0.00	0.00	0.00
6,500.0	4.83	188.64	6,494.0	-146.5	-22.3	-145.7	0.00	0.00	0.00
6,600.0	4.83	188.64	6,593.7	-154.8	-23.5	-154.0	0.00	0.00	0.00
6,700.0	4.83	188.64	6,693.3	-163.2	-24.8	-162.3	0.00	0.00	0.00
6,800.0	4.83	188.64	6,793.0	-171.5	-26.1	-170.6	0.00	0.00	0.00
6,900.0	4.83	188.64	6,892.6	-179.8	-27.3	-178.9	0.00	0.00	0.00
7,000.0	4.83	188.64	6,992.3	-188.2	-28.6	-187.2	0.00	0.00	0.00
7,100.0	4.83	188.64	7,091.9	-196.5	-29.9	-195.5	0.00	0.00	0.00
7,200.0	4.83	188.64	7,191.5	-204.8	-31.1	-203.8	0.00	0.00	0.00
7,300.0	4.83	188.64	7,291.2	-213.2	-32.4	-212.0	0.00	0.00	0.00
7,400.0	4.83	188.64	7,390.8	-221.5	-33.7	-220.3	0.00	0.00	0.00
7,500.0	4.83	188.64	7,490.5	-229.8	-34.9	-228.6	0.00	0.00	0.00
7,600.0	4.83	188.64	7,590.1	-238.1	-36.2	-236.9	0.00	0.00	0.00
7,700.0	4.83	188.64	7,689.8	-246.5	-37.5	-245.2	0.00	0.00	0.00
7,800.0	4.83	188.64	7,789.4	-254.8	-38.7	-253.5	0.00	0.00	0.00
7,900.0	4.83	188.64	7,889.1	-263.1	-40.0	-261.8	0.00	0.00	0.00
8,000.0	4.83	188.64	7,988.7	-271.5	-41.3	-270.1	0.00	0.00	0.00
8,100.0	4.83	188.64	8,088.3	-279.8	-42.5	-278.4	0.00	0.00	0.00
8,200.0	4.83	188.64	8,188.0	-288.1	-43.8	-286.6	0.00	0.00	0.00
8,300.0	4.83	188.64	8,287.6	-296.5	-45.1	-294.9	0.00	0.00	0.00
8,400.0	4.83	188.64	8,387.3	-304.8	-46.3	-303.2	0.00	0.00	0.00
8,500.0	4.83	188.64	8,486.9	-313.1	-47.6	-311.5	0.00	0.00	0.00
8,600.0	4.83	188.64	8,586.6	-321.5	-48.9	-319.8	0.00	0.00	0.00
8,700.0	4.83	188.64	8,686.2	-329.8	-50.1	-328.1	0.00	0.00	0.00
8,800.0	4.83	188.64	8,785.9	-338.1	-51.4	-336.4	0.00	0.00	0.00
8,900.0	4.83	188.64	8,885.5	-346.5	-52.7	-344.7	0.00	0.00	0.00
9,000.0	4.83	188.64	8,985.1	-354.8	-53.9	-352.9	0.00	0.00	0.00
9,100.0	4.83	188.64	9,084.8	-363.1	-55.2	-361.2	0.00	0.00	0.00
9,200.0	4.83	188.64	9,184.4	-371.5	-56.5	-369.5	0.00	0.00	0.00
9,300.0	4.83	188.64	9,284.1	-379.8	-57.7	-377.8	0.00	0.00	0.00
9,400.0	4.83	188.64	9,383.7	-388.1	-59.0	-386.1	0.00	0.00	0.00
9,500.0	4.83	188.64	9,483.4	-396.4	-60.3	-394.4	0.00	0.00	0.00
9,600.0	4.83	188.64	9,583.0	-404.8	-61.5	-402.7	0.00	0.00	0.00
9,700.0	4.83	188.64	9,682.6	-413.1	-62.8	-411.0	0.00	0.00	0.00
9,800.0	4.83	188.64	9,782.3	-421.4	-64.1	-419.3	0.00	0.00	0.00
9,900.0	4.83	188.64	9,881.9	-429.8	-65.3	-427.5	0.00	0.00	0.00
10,000.0	4.83	188.64	9,981.6	-438.1	-66.6	-435.8	0.00	0.00	0.00
10,100.0	4.83	188.64	10,081.2	-446.4	-67.9	-444.1	0.00	0.00	0.00
10,200.0	4.83	188.64	10,180.9	-454.8	-69.1	-452.4	0.00	0.00	0.00
10,300.0	4.83	188.64	10,280.5	-463.1	-70.4	-460.7	0.00	0.00	0.00
10,400.0	4.83	188.64	10,380.2	-471.4	-71.7	-469.0	0.00	0.00	0.00
10,500.0	4.83	188.64	10,479.8	-479.8	-72.9	-477.3	0.00	0.00	0.00
10,600.0	4.83	188.64	10,579.4	-488.1	-74.2	-485.6	0.00	0.00	0.00



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10,700.0	4.83	188.64	10,679.1	-496.4	-75.5	-493.8	0.00	0.00	0.00
10,800.0	4.83	188.64	10,778.7	-504.8	-76.7	-502.1	0.00	0.00	0.00
10,900.0	4.83	188.64	10,878.4	-513.1	-78.0	-510.4	0.00	0.00	0.00
11,000.0	4.83	188.64	10,978.0	-521.4	-79.3	-518.7	0.00	0.00	0.00
11,100.0	4.83	188.64	11,077.7	-529.7	-80.5	-527.0	0.00	0.00	0.00
11,200.0	4.83	188.64	11,177.3	-538.1	-81.8	-535.3	0.00	0.00	0.00
11,300.0	4.83	188.64	11,277.0	-546.4	-83.1	-543.6	0.00	0.00	0.00
11,400.0	4.83	188.64	11,376.6	-554.7	-84.3	-551.9	0.00	0.00	0.00
11,500.0	4.83	188.64	11,476.2	-563.1	-85.6	-560.2	0.00	0.00	0.00
11,600.0	4.83	188.64	11,575.9	-571.4	-86.9	-568.4	0.00	0.00	0.00
11,700.0	4.83	188.64	11,675.5	-579.7	-88.1	-576.7	0.00	0.00	0.00
11,800.0	4.83	188.64	11,775.2	-588.1	-89.4	-585.0	0.00	0.00	0.00
11,904.6	4.83	188.64	11,879.4	-596.8	-90.7	-593.7	0.00	0.00	0.00
11,950.0	0.80	252.50	11,924.7	-598.8	-91.3	-595.7	10.00	-8.89	140.69
12,000.0	4.83	350.49	11,974.7	-596.8	-92.0	-593.7	10.00	8.05	195.98
12,050.0	9.79	355.15	12,024.3	-590.5	-92.7	-587.3	10.00	9.94	9.31
12,100.0	14.78	356.68	12,073.1	-579.9	-93.4	-576.7	10.00	9.98	3.07
12,150.0	19.78	357.45	12,120.8	-565.0	-94.2	-561.9	10.00	9.99	1.54
12,200.0	24.78	357.92	12,167.1	-546.1	-94.9	-542.9	10.00	9.99	0.94
12,250.0	29.77	358.24	12,211.5	-523.2	-95.7	-520.0	10.00	10.00	0.64
12,300.0	34.77	358.47	12,253.8	-496.5	-96.5	-493.3	10.00	10.00	0.47
12,350.0	39.77	358.66	12,293.6	-466.3	-97.2	-463.0	10.00	10.00	0.36
12,400.0	44.77	358.81	12,330.5	-432.7	-97.9	-429.4	10.00	10.00	0.30
12,450.0	49.77	358.93	12,364.5	-396.0	-98.7	-392.7	10.00	10.00	0.25
12,500.0	54.77	359.04	12,395.0	-356.4	-99.4	-353.2	10.00	10.00	0.21
12,550.0	59.77	359.13	12,422.1	-314.4	-100.0	-311.1	10.00	10.00	0.19
12,576.0	62.37	359.18	12,434.6	-291.6	-100.4	-288.4	10.00	10.00	0.17
FTP(Dragon 36 State #704H)									
12,600.0	64.77	359.22	12,445.3	-270.1	-100.7	-266.9	10.00	10.00	0.17
12,650.0	69.77	359.29	12,464.6	-224.0	-101.3	-220.8	10.00	10.00	0.16
12,700.0	74.77	359.37	12,479.9	-178.4	-101.8	-173.2	10.00	10.00	0.15
12,750.0	79.77	359.44	12,490.9	-127.7	-102.3	-124.5	10.00	10.00	0.14
12,800.0	84.77	359.51	12,497.6	-78.2	-102.8	-74.9	10.00	10.00	0.14
12,852.3	90.00	359.58	12,500.0	-25.9	-103.2	-22.7	10.00	10.00	0.13
12,900.0	90.00	359.58	12,500.0	21.8	-103.6	25.0	0.00	0.00	0.00
13,000.0	90.00	359.58	12,500.0	121.8	-104.3	124.9	0.00	0.00	0.00
13,100.0	90.00	359.58	12,500.0	221.8	-105.1	224.9	0.00	0.00	0.00
13,200.0	90.00	359.58	12,500.0	321.8	-105.8	324.9	0.00	0.00	0.00
13,300.0	90.00	359.58	12,500.0	421.8	-106.5	424.8	0.00	0.00	0.00
13,400.0	90.00	359.58	12,500.0	521.7	-107.3	524.8	0.00	0.00	0.00
13,500.0	90.00	359.58	12,500.0	621.7	-108.0	624.8	0.00	0.00	0.00
13,600.0	90.00	359.58	12,500.0	721.7	-108.8	724.8	0.00	0.00	0.00
13,700.0	90.00	359.58	12,500.0	821.7	-109.5	824.7	0.00	0.00	0.00
13,800.0	90.00	359.58	12,500.0	921.7	-110.3	924.7	0.00	0.00	0.00
13,900.0	90.00	359.58	12,500.0	1,021.7	-111.0	1,024.7	0.00	0.00	0.00
14,000.0	90.00	359.58	12,500.0	1,121.7	-111.7	1,124.7	0.00	0.00	0.00
14,100.0	90.00	359.58	12,500.0	1,221.7	-112.5	1,224.6	0.00	0.00	0.00
14,200.0	90.00	359.58	12,500.0	1,321.7	-113.2	1,324.6	0.00	0.00	0.00
14,300.0	90.00	359.58	12,500.0	1,421.7	-114.0	1,424.6	0.00	0.00	0.00
14,400.0	90.00	359.58	12,500.0	1,521.7	-114.7	1,524.5	0.00	0.00	0.00
14,500.0	90.00	359.58	12,500.0	1,621.7	-115.4	1,624.5	0.00	0.00	0.00
14,600.0	90.00	359.58	12,500.0	1,721.7	-116.2	1,724.5	0.00	0.00	0.00
14,700.0	90.00	359.58	12,500.0	1,821.7	-116.9	1,824.5	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: #704H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #704H
TVD Reference: KB = 25 @ 3508.0usft (Precision #612)
MD Reference: KB = 25 @ 3508.0usft (Precision #612)
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)
14,800.0	90.00	359.58	12,500.0	1,921.7	-117.7	1,924.4	0.00	0.00	0.00
14,900.0	90.00	359.58	12,500.0	2,021.7	-118.4	2,024.4	0.00	0.00	0.00
15,000.0	90.00	359.58	12,500.0	2,121.7	-119.2	2,124.4	0.00	0.00	0.00
15,100.0	90.00	359.58	12,500.0	2,221.7	-119.9	2,224.3	0.00	0.00	0.00
15,200.0	90.00	359.58	12,500.0	2,321.7	-120.6	2,324.3	0.00	0.00	0.00
15,300.0	90.00	359.58	12,500.0	2,421.7	-121.4	2,424.3	0.00	0.00	0.00
15,400.0	90.00	359.58	12,500.0	2,521.7	-122.1	2,524.3	0.00	0.00	0.00
15,500.0	90.00	359.58	12,500.0	2,621.7	-122.9	2,624.2	0.00	0.00	0.00
15,600.0	90.00	359.58	12,500.0	2,721.7	-123.6	2,724.2	0.00	0.00	0.00
15,700.0	90.00	359.58	12,500.0	2,821.7	-124.3	2,824.2	0.00	0.00	0.00
15,800.0	90.00	359.58	12,500.0	2,921.7	-125.1	2,924.2	0.00	0.00	0.00
15,900.0	90.00	359.58	12,500.0	3,021.7	-125.8	3,024.1	0.00	0.00	0.00
16,000.0	90.00	359.58	12,500.0	3,121.7	-126.6	3,124.1	0.00	0.00	0.00
16,100.0	90.00	359.58	12,500.0	3,221.7	-127.3	3,224.1	0.00	0.00	0.00
16,200.0	90.00	359.58	12,500.0	3,321.7	-128.1	3,324.0	0.00	0.00	0.00
16,300.0	90.00	359.58	12,500.0	3,421.7	-128.8	3,424.0	0.00	0.00	0.00
16,400.0	90.00	359.58	12,500.0	3,521.7	-129.5	3,524.0	0.00	0.00	0.00
16,500.0	90.00	359.58	12,500.0	3,621.7	-130.3	3,624.0	0.00	0.00	0.00
16,600.0	90.00	359.58	12,500.0	3,721.7	-131.0	3,723.9	0.00	0.00	0.00
16,700.0	90.00	359.58	12,500.0	3,821.7	-131.8	3,823.9	0.00	0.00	0.00
16,800.0	90.00	359.58	12,500.0	3,921.7	-132.5	3,923.9	0.00	0.00	0.00
16,900.0	90.00	359.58	12,500.0	4,021.7	-133.2	4,023.9	0.00	0.00	0.00
17,000.0	90.00	359.58	12,500.0	4,121.7	-134.0	4,123.8	0.00	0.00	0.00
17,100.0	90.00	359.58	12,500.0	4,221.6	-134.7	4,223.8	0.00	0.00	0.00
17,200.0	90.00	359.58	12,500.0	4,321.6	-135.5	4,323.8	0.00	0.00	0.00
17,271.4	90.00	359.58	12,500.0	4,393.0	-136.0	4,395.1	0.00	0.00	0.00

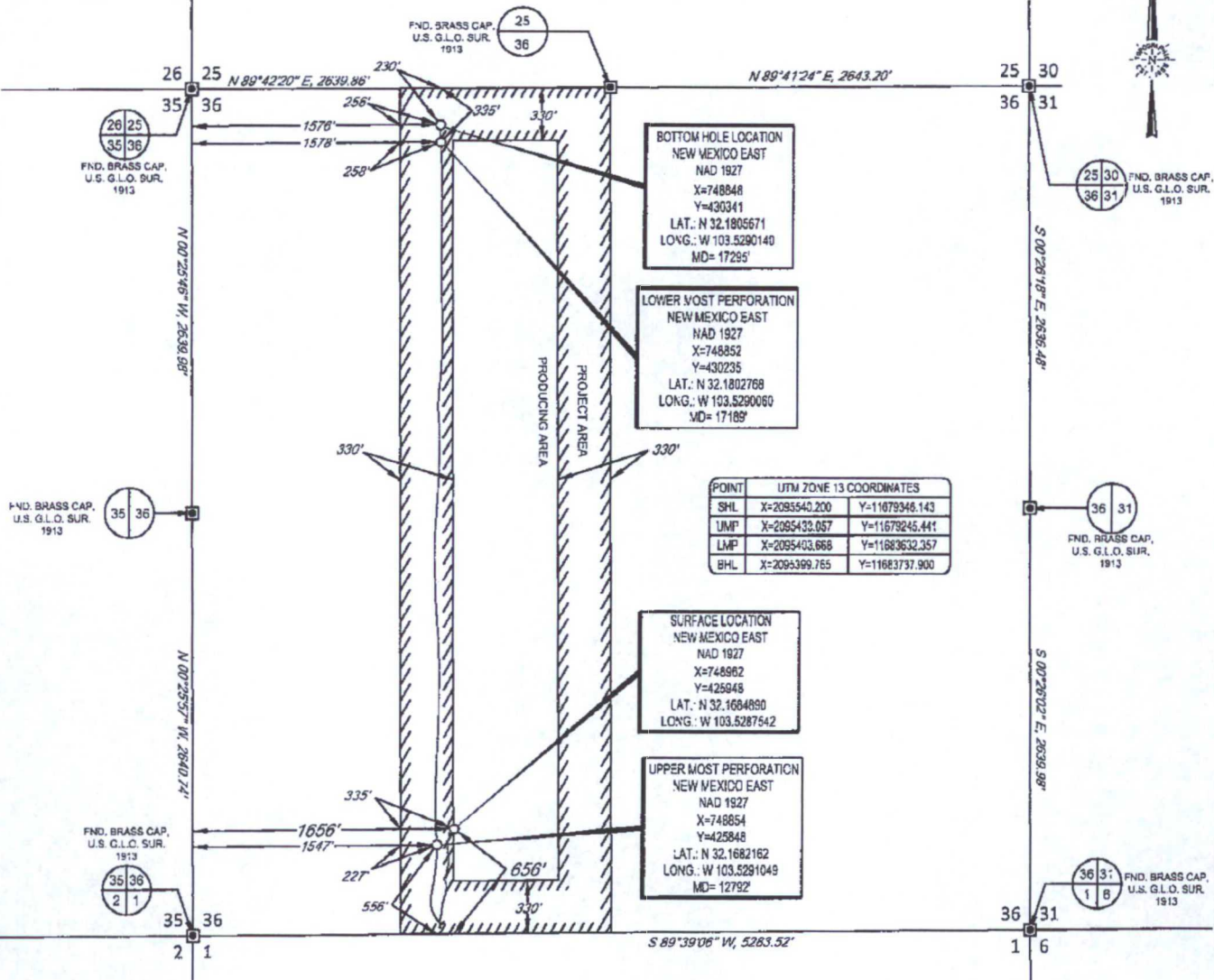
PBHL(Dragon 36 State #704H)

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL(Dragon 36 State	0.00	0.00	12,500.0	4,393.0	-136.0	430,341.00	748,826.00	32° 10' 50.043 N	103° 31' 44.711 W
- plan hits target center									
- Point									
FTP(Dragon 36 State #	0.00	0.00	12,500.0	-326.0	-101.0	425,622.00	748,861.00	32° 10' 3.344 N	103° 31' 44.715 W
- plan misses target center by 73.8usft at 12576.0usft MD (12434.6 TVD, -291.6 N, -100.4 E)									
- Point									

SCALE: 1" = 1000'

SECTION 36, TOWNSHIP 24-S, RANGE 33-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



LEASE NAME & WELL NO.: DRAGON 36 STATE #704H
SECTION 36 TWP 24-S RGE 33-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3483'
DESCRIPTION 656' FSL & 1656' FWL



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

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WWW.TOPOGRAPHIC.COM



Michael Blake Brown, P.S. No. 18329
NOVEMBER 13, 2015

Geog resources, Inc.

DRAGON 36 STATE #704H
AS-COMPLETED

REVISION:

INT DATE

DATE: 11/13/215

FILE:AD_DRAGON36STATE_704H

DRAWN BY: A.V.F.

SHEET: 1 OF 1

NOTES:

1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET, NORTH AMERICAN DATUM 1927.
3. THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.