

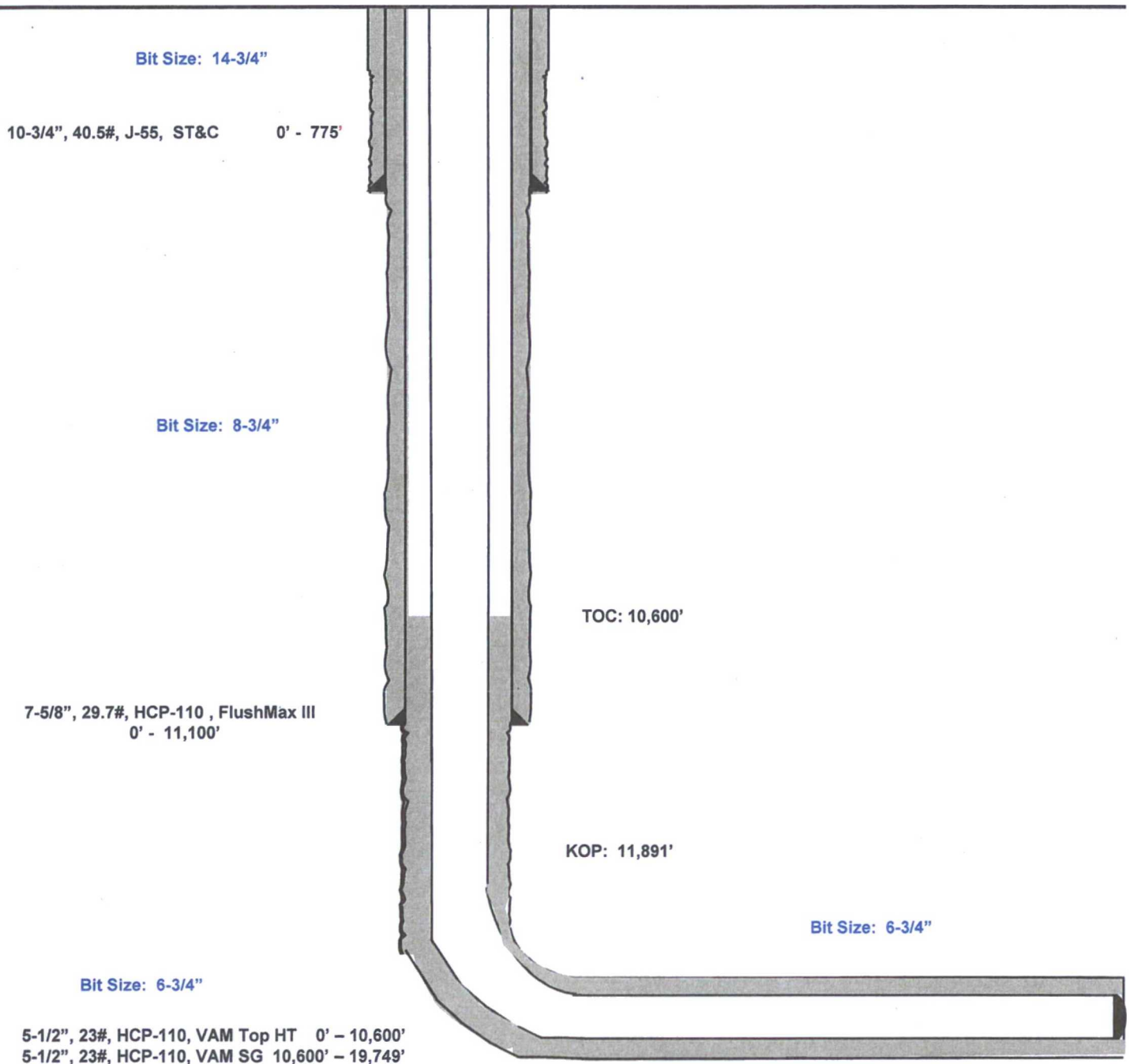
Rattlesnake 28 Fed Com #706H

759' FNL
1995' FWL
Section 28
T-26-S, R-33-E

Lea County, New Mexico
Proposed Wellbore

API: 30-025-*****

KB: 3,269'
GL: 3,244'



Lateral: 19,749' MD, 12,375' TVD
Upper Most Perf:
330' FNL & 2312' FWL Sec. 28
Lower Most Perf:
330' FSL & 2307' FWL Sec. 33
BH Location: 230' FSL & 2307' FWL
Section 33
T-26-S, R-33-E

JAN 03 2017

RECEIVED



Lea County, NM (NAD 27 NME)

Rattlesnake 28 Fed Com #706H

Plan #0.1



Azimuths to Grid North
True North: -0.40°
Magnetic North: 6.63°
Magnetic Field
Strength: 47902.3nT
Dip Angle: 59.88°
Date: 8/17/2016
Model: IGRF 2015

To convert a Magnetic Direction to a Grid Direction, Add 6.63°
To convert a Magnetic Direction to a True Direction, Add 7.03° East
To convert a True Direction to a Grid Direction, Subtract 0.40°

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

WELL DETAILS: #706H

Ground Level: 3244.0
KB = 26' @ 3269.0usft
Northing: 371646.00
Easting: 733843.00
Latitude: 32° 1' 10.289 N
Longitude: 103° 34' 43.816 W

SECTION DETAILS

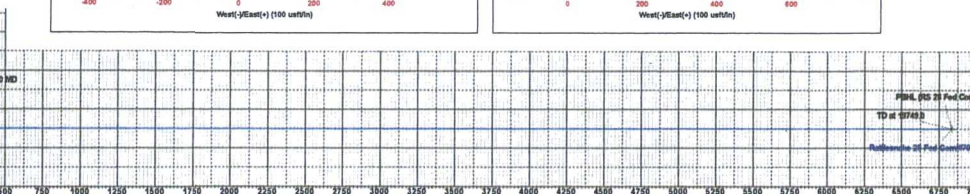
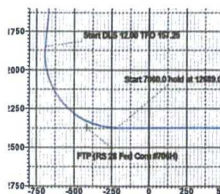
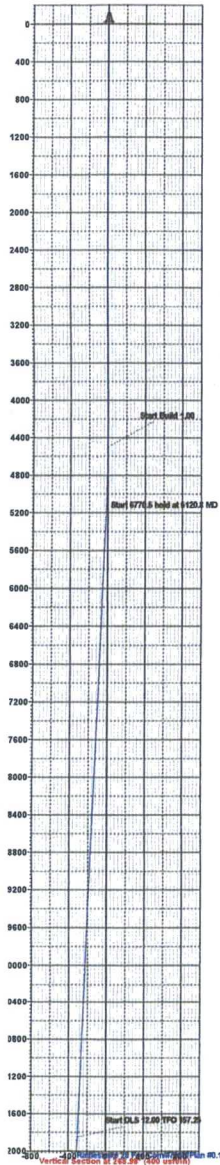
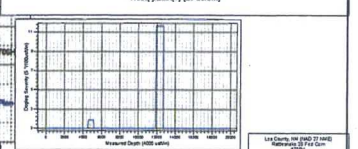
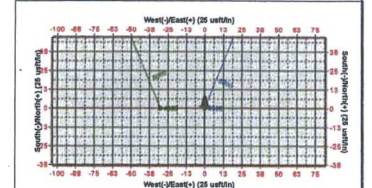
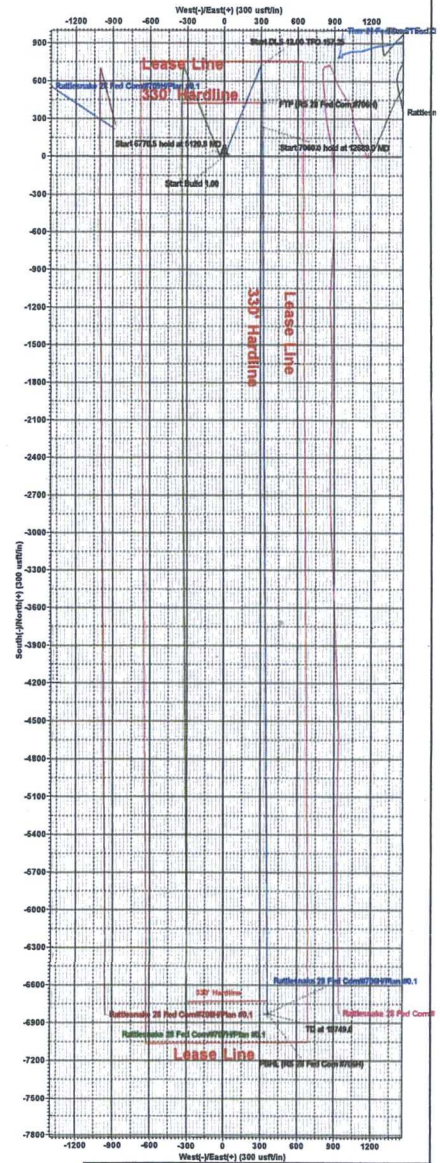
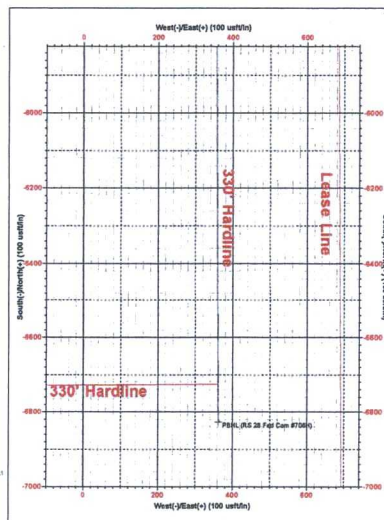
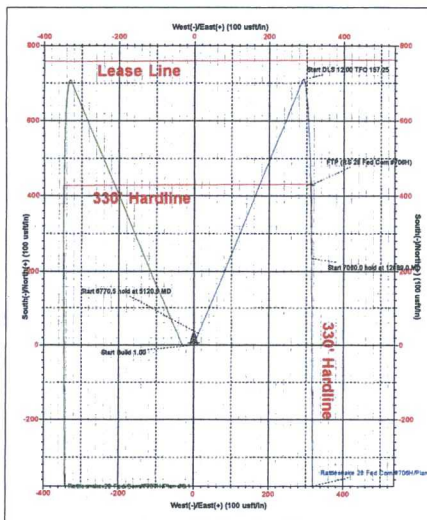
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4500.0	0.00	0.00	4500.0	0.0	0.0	0.00	0.00	0.0	
3	5120.8	6.21	22.24	5119.6	31.1	12.7	1.00	22.24	-30.4	
4	11891.3	6.21	22.24	11850.3	708.8	289.8	0.00	0.00	-692.4	
5	12689.0	90.00	179.61	12375.0	233.8	314.9	12.00	157.25	-216.8	
6	19749.0	90.00	179.61	12375.0	-6826.0	363.0	0.00	0.00	6835.6	PBHL (RS 28 Fed Com #706H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
PBHL (RS 28 Fed Com #706H)	12375.0	-6826.0	363.0	372076.00	734206.00
FTP (RS 28 Fed Com #706H)	12375.0	430.0	313.0	372076.00	734166.00



Lea County, NM (NAD 27 NME)
Rattlesnake 28 Fed Com #706H
Plan #0.1
11/16/2016 10:01:14



HOBBS OCD

JAN 03 2017

RECEIVED

EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Rattlesnake 28 Fed Com

#706H

OH

Plan: Plan #0.1

Standard Planning Report

18 August, 2016



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Rattlesnake 28 Fed Com
Well: #706H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #706H
TVD Reference: KB = 25' @ 3269.0usft
MD Reference: KB = 25' @ 3269.0usft
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 Rattlesnake 28 Fed Com
Site Position: **From:** Map **Northing:** 371,679.00 usft **Latitude:** 32° 1' 10.534 N
Easting: 735,024.00 usft **Longitude:** 103° 34' 30.097 W
Position Uncertainty: 0.0 usft **Slot Radius:** 13-3/16" **Grid Convergence:** 0.40 °

Well #706H
Well Position **+N/-S** -33.0 usft **Northing:** 371,646.00 usft **Latitude:** 32° 1' 10.289 N
+E/-W -1,181.0 usft **Easting:** 733,843.00 usft **Longitude:** 103° 34' 43.816 W
Position Uncertainty 0.0 usft **Wellhead Elevation:** 0.0 usft **Ground Level:** 3,244.0 usft

Wellbore OH
Magnetics **Model Name** IGRF2015 **Sample Date** 8/17/2016 **Declination (°)** 7.03 **Dip Angle (°)** 59.88 **Field Strength (nT)** 47,902

Design Plan #0.1
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 0.0 176.96

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	
5,120.8	6.21	22.24	5,119.6	31.1	12.7	1.00	1.00	0.00	22.24	
11,891.3	6.21	22.24	11,850.3	708.8	289.8	0.00	0.00	0.00	0.00	
12,689.0	90.00	179.61	12,375.0	233.8	314.9	12.00	10.50	19.73	157.25	
19,749.0	90.00	179.61	12,375.0	-6,826.0	363.0	0.00	0.00	0.00	0.00	PBHL (RS 28 Fed Co)



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Rattlesnake 28 Fed Com
 Well: #706H
 Wellbore: OH
 Design: Plan #0.1

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

Well #706H
 KB = 25' @ 3269.0usft
 KB = 25' @ 3269.0usft
 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	22.24	4,600.0	0.8	0.3	-0.8	1.00	1.00	0.00
4,700.0	2.00	22.24	4,700.0	3.2	1.3	-3.2	1.00	1.00	0.00
4,800.0	3.00	22.24	4,799.9	7.3	3.0	-7.1	1.00	1.00	0.00
4,900.0	4.00	22.24	4,899.7	12.9	5.3	-12.6	1.00	1.00	0.00
5,000.0	5.00	22.24	4,999.4	20.2	8.3	-19.7	1.00	1.00	0.00
5,100.0	6.00	22.24	5,098.9	29.1	11.9	-28.4	1.00	1.00	0.00
5,120.8	6.21	22.24	5,119.6	31.1	12.7	-30.4	1.00	1.00	0.00
5,200.0	6.21	22.24	5,198.3	39.0	16.0	-38.1	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: Rattlesnake 28 Fed Com
 Well: #706H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #706H
 TVD Reference: KB = 25' @ 3269.0usft
 MD Reference: KB = 25' @ 3269.0usft
 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)
5,300.0	6.21	22.24	5,297.7	49.0	20.0	-47.9	0.00	0.00	0.00
5,400.0	6.21	22.24	5,397.1	59.0	24.1	-57.7	0.00	0.00	0.00
5,500.0	6.21	22.24	5,496.6	69.1	28.2	-67.5	0.00	0.00	0.00
5,600.0	6.21	22.24	5,596.0	79.1	32.3	-77.2	0.00	0.00	0.00
5,700.0	6.21	22.24	5,695.4	89.1	36.4	-87.0	0.00	0.00	0.00
5,800.0	6.21	22.24	5,794.8	99.1	40.5	-96.8	0.00	0.00	0.00
5,900.0	6.21	22.24	5,894.2	109.1	44.6	-106.6	0.00	0.00	0.00
6,000.0	6.21	22.24	5,993.6	119.1	48.7	-116.3	0.00	0.00	0.00
6,100.0	6.21	22.24	6,093.0	129.1	52.8	-126.1	0.00	0.00	0.00
6,200.0	6.21	22.24	6,192.5	139.1	56.9	-135.9	0.00	0.00	0.00
6,300.0	6.21	22.24	6,291.9	149.1	61.0	-145.7	0.00	0.00	0.00
6,400.0	6.21	22.24	6,391.3	159.1	65.1	-155.5	0.00	0.00	0.00
6,500.0	6.21	22.24	6,490.7	169.1	69.2	-165.2	0.00	0.00	0.00
6,600.0	6.21	22.24	6,590.1	179.2	73.2	-175.0	0.00	0.00	0.00
6,700.0	6.21	22.24	6,689.5	189.2	77.3	-184.8	0.00	0.00	0.00
6,800.0	6.21	22.24	6,788.9	199.2	81.4	-194.6	0.00	0.00	0.00
6,900.0	6.21	22.24	6,888.4	209.2	85.5	-204.3	0.00	0.00	0.00
7,000.0	6.21	22.24	6,987.8	219.2	89.6	-214.1	0.00	0.00	0.00
7,100.0	6.21	22.24	7,087.2	229.2	93.7	-223.9	0.00	0.00	0.00
7,200.0	6.21	22.24	7,186.6	239.2	97.8	-233.7	0.00	0.00	0.00
7,300.0	6.21	22.24	7,286.0	249.2	101.9	-243.5	0.00	0.00	0.00
7,400.0	6.21	22.24	7,385.4	259.2	106.0	-253.2	0.00	0.00	0.00
7,500.0	6.21	22.24	7,484.8	269.2	110.1	-263.0	0.00	0.00	0.00
7,600.0	6.21	22.24	7,584.2	279.2	114.2	-272.8	0.00	0.00	0.00
7,700.0	6.21	22.24	7,683.7	289.3	118.3	-282.6	0.00	0.00	0.00
7,800.0	6.21	22.24	7,783.1	299.3	122.3	-292.3	0.00	0.00	0.00
7,900.0	6.21	22.24	7,882.5	309.3	126.4	-302.1	0.00	0.00	0.00
8,000.0	6.21	22.24	7,981.9	319.3	130.5	-311.9	0.00	0.00	0.00
8,100.0	6.21	22.24	8,081.3	329.3	134.6	-321.7	0.00	0.00	0.00
8,200.0	6.21	22.24	8,180.7	339.3	138.7	-331.5	0.00	0.00	0.00
8,300.0	6.21	22.24	8,280.1	349.3	142.8	-341.2	0.00	0.00	0.00
8,400.0	6.21	22.24	8,379.6	359.3	146.9	-351.0	0.00	0.00	0.00
8,500.0	6.21	22.24	8,479.0	369.3	151.0	-360.8	0.00	0.00	0.00
8,600.0	6.21	22.24	8,578.4	379.3	155.1	-370.6	0.00	0.00	0.00
8,700.0	6.21	22.24	8,677.8	389.3	159.2	-380.3	0.00	0.00	0.00
8,800.0	6.21	22.24	8,777.2	399.4	163.3	-390.1	0.00	0.00	0.00
8,900.0	6.21	22.24	8,876.6	409.4	167.4	-399.9	0.00	0.00	0.00
9,000.0	6.21	22.24	8,976.0	419.4	171.4	-409.7	0.00	0.00	0.00
9,100.0	6.21	22.24	9,075.5	429.4	175.5	-419.5	0.00	0.00	0.00
9,200.0	6.21	22.24	9,174.9	439.4	179.6	-429.2	0.00	0.00	0.00
9,300.0	6.21	22.24	9,274.3	449.4	183.7	-439.0	0.00	0.00	0.00
9,400.0	6.21	22.24	9,373.7	459.4	187.8	-448.8	0.00	0.00	0.00
9,500.0	6.21	22.24	9,473.1	469.4	191.9	-458.6	0.00	0.00	0.00
9,600.0	6.21	22.24	9,572.5	479.4	196.0	-468.3	0.00	0.00	0.00
9,700.0	6.21	22.24	9,671.9	489.4	200.1	-478.1	0.00	0.00	0.00
9,800.0	6.21	22.24	9,771.3	499.4	204.2	-487.9	0.00	0.00	0.00
9,900.0	6.21	22.24	9,870.8	509.5	208.3	-497.7	0.00	0.00	0.00
10,000.0	6.21	22.24	9,970.2	519.5	212.4	-507.5	0.00	0.00	0.00
10,100.0	6.21	22.24	10,069.6	529.5	216.5	-517.2	0.00	0.00	0.00
10,200.0	6.21	22.24	10,169.0	539.5	220.6	-527.0	0.00	0.00	0.00
10,300.0	6.21	22.24	10,268.4	549.5	224.6	-536.8	0.00	0.00	0.00
10,400.0	6.21	22.24	10,367.8	559.5	228.7	-546.6	0.00	0.00	0.00
10,500.0	6.21	22.24	10,467.2	569.5	232.8	-556.3	0.00	0.00	0.00
10,600.0	6.21	22.24	10,566.7	579.5	236.9	-566.1	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: Rattlesnake 28 Fed Com
 Well: #706H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #706H
 TVD Reference: KB = 25' @ 3269.0usft
 MD Reference: KB = 25' @ 3269.0usft
 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)	
10,700.0	6.21	22.24	10,666.1	589.5	241.0	-575.9	0.00	0.00	0.00	
10,800.0	6.21	22.24	10,765.5	599.5	245.1	-585.7	0.00	0.00	0.00	
10,900.0	6.21	22.24	10,864.9	609.5	249.2	-595.5	0.00	0.00	0.00	
11,000.0	6.21	22.24	10,964.3	619.6	253.3	-605.2	0.00	0.00	0.00	
11,100.0	6.21	22.24	11,063.7	629.6	257.4	-615.0	0.00	0.00	0.00	
11,200.0	6.21	22.24	11,163.1	639.6	261.5	-624.8	0.00	0.00	0.00	
11,300.0	6.21	22.24	11,262.6	649.6	265.6	-634.6	0.00	0.00	0.00	
11,400.0	6.21	22.24	11,362.0	659.6	269.7	-644.3	0.00	0.00	0.00	
11,500.0	6.21	22.24	11,461.4	669.6	273.7	-654.1	0.00	0.00	0.00	
11,600.0	6.21	22.24	11,560.8	679.6	277.8	-663.9	0.00	0.00	0.00	
11,700.0	6.21	22.24	11,660.2	689.6	281.9	-673.7	0.00	0.00	0.00	
11,800.0	6.21	22.24	11,759.6	699.6	286.0	-683.5	0.00	0.00	0.00	
11,891.3	6.21	22.24	11,850.3	708.8	289.8	-692.4	0.00	0.00	0.00	
11,900.0	5.26	26.67	11,859.0	709.6	290.1	-693.2	12.00	-10.89	50.71	
11,925.0	2.93	54.59	11,884.0	711.0	291.1	-694.5	12.00	-9.32	111.65	
11,950.0	2.74	118.50	11,909.0	711.0	292.2	-694.5	12.00	-0.76	255.66	
11,975.0	4.94	150.66	11,933.9	709.8	293.2	-693.2	12.00	8.82	128.62	
12,000.0	7.70	161.59	11,958.7	707.3	294.3	-690.7	12.00	11.05	43.71	
12,025.0	10.59	166.68	11,983.4	703.5	295.4	-686.8	12.00	11.57	20.38	
12,050.0	13.53	169.60	12,007.9	698.3	296.4	-681.6	12.00	11.75	11.66	
12,075.0	16.49	171.48	12,032.0	692.0	297.5	-675.2	12.00	11.84	7.55	
12,100.0	19.46	172.81	12,055.8	684.3	298.5	-667.5	12.00	11.89	5.30	
12,125.0	22.44	173.80	12,079.1	675.4	299.6	-658.6	12.00	11.92	3.94	
12,150.0	25.43	174.56	12,102.0	665.3	300.6	-648.4	12.00	11.94	3.06	
12,175.0	28.41	175.17	12,124.3	654.1	301.6	-637.1	12.00	11.95	2.45	
12,200.0	31.40	175.68	12,145.9	641.6	302.6	-624.7	12.00	11.96	2.02	
12,225.0	34.39	176.11	12,166.9	628.1	303.6	-611.1	12.00	11.96	1.70	
12,250.0	37.39	176.47	12,187.2	613.5	304.5	-596.4	12.00	11.97	1.46	
12,275.0	40.38	176.79	12,206.6	597.8	305.4	-580.8	12.00	11.97	1.27	
12,300.0	43.37	177.07	12,225.3	581.2	306.3	-564.1	12.00	11.98	1.13	
12,325.0	46.37	177.32	12,243.0	563.5	307.2	-546.4	12.00	11.98	1.01	
12,350.0	49.36	177.55	12,259.7	545.0	308.0	-527.9	12.00	11.98	0.91	
12,375.0	52.36	177.76	12,275.5	525.6	308.8	-508.5	12.00	11.98	0.83	
12,400.0	55.36	177.95	12,290.3	505.5	309.5	-488.3	12.00	11.98	0.77	
12,425.0	58.35	178.13	12,303.9	484.6	310.3	-467.4	12.00	11.99	0.72	
12,450.0	61.35	178.30	12,316.5	463.0	310.9	-445.8	12.00	11.99	0.67	
12,475.0	64.35	178.46	12,327.9	440.7	311.6	-423.6	12.00	11.99	0.63	
12,500.0	67.34	178.61	12,338.1	417.9	312.1	-400.8	12.00	11.99	0.60	
12,502.1	67.59	178.62	12,338.9	416.0	312.2	-398.8	12.00	11.99	0.59	
FTP (RS 28 Fed Com #706H)										
12,525.0	70.34	178.75	12,347.1	394.6	312.7	-377.4	12.00	11.99	0.58	
12,550.0	73.34	178.89	12,354.9	370.9	313.2	-353.7	12.00	11.99	0.56	
12,575.0	76.33	179.03	12,361.5	346.7	313.6	-329.6	12.00	11.99	0.54	
12,600.0	79.33	179.16	12,366.7	322.3	314.0	-305.2	12.00	11.99	0.53	
12,625.0	82.33	179.29	12,370.7	297.6	314.3	-280.5	12.00	11.99	0.51	
12,650.0	85.33	179.41	12,373.4	272.8	314.6	-255.7	12.00	11.99	0.51	
12,675.0	88.32	179.54	12,374.8	247.8	314.8	-230.8	12.00	11.99	0.50	
12,689.0	90.00	179.61	12,375.0	233.8	314.9	-216.8	12.00	11.99	0.50	
12,700.0	90.00	179.61	12,375.0	222.8	315.0	-205.8	0.00	0.00	0.00	
12,800.0	90.00	179.61	12,375.0	122.8	315.7	-105.9	0.00	0.00	0.00	
12,900.0	90.00	179.61	12,375.0	22.8	316.4	-6.0	0.00	0.00	0.00	
13,000.0	90.00	179.61	12,375.0	-77.2	317.1	93.9	0.00	0.00	0.00	
13,100.0	90.00	179.61	12,375.0	-177.2	317.7	193.8	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: Rattlesnake 28 Fed Com
 Well: #706H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #706H
 TVD Reference: KB = 25' @ 3269.0usft
 MD Reference: KB = 25' @ 3269.0usft
 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)
13,200.0	90.00	179.61	12,375.0	-277.2	318.4	293.7	0.00	0.00	0.00
13,300.0	90.00	179.61	12,375.0	-377.2	319.1	393.6	0.00	0.00	0.00
13,400.0	90.00	179.61	12,375.0	-477.2	319.8	493.5	0.00	0.00	0.00
13,500.0	90.00	179.61	12,375.0	-577.2	320.5	593.4	0.00	0.00	0.00
13,600.0	90.00	179.61	12,375.0	-677.2	321.1	693.2	0.00	0.00	0.00
13,700.0	90.00	179.61	12,375.0	-777.1	321.8	793.1	0.00	0.00	0.00
13,800.0	90.00	179.61	12,375.0	-877.1	322.5	893.0	0.00	0.00	0.00
13,900.0	90.00	179.61	12,375.0	-977.1	323.2	992.9	0.00	0.00	0.00
14,000.0	90.00	179.61	12,375.0	-1,077.1	323.9	1,092.8	0.00	0.00	0.00
14,100.0	90.00	179.61	12,375.0	-1,177.1	324.5	1,192.7	0.00	0.00	0.00
14,200.0	90.00	179.61	12,375.0	-1,277.1	325.2	1,292.6	0.00	0.00	0.00
14,300.0	90.00	179.61	12,375.0	-1,377.1	325.9	1,392.5	0.00	0.00	0.00
14,400.0	90.00	179.61	12,375.0	-1,477.1	326.6	1,492.4	0.00	0.00	0.00
14,500.0	90.00	179.61	12,375.0	-1,577.1	327.3	1,592.3	0.00	0.00	0.00
14,600.0	90.00	179.61	12,375.0	-1,677.1	328.0	1,692.2	0.00	0.00	0.00
14,700.0	90.00	179.61	12,375.0	-1,777.1	328.6	1,792.1	0.00	0.00	0.00
14,800.0	90.00	179.61	12,375.0	-1,877.1	329.3	1,892.0	0.00	0.00	0.00
14,900.0	90.00	179.61	12,375.0	-1,977.1	330.0	1,991.9	0.00	0.00	0.00
15,000.0	90.00	179.61	12,375.0	-2,077.1	330.7	2,091.7	0.00	0.00	0.00
15,100.0	90.00	179.61	12,375.0	-2,177.1	331.4	2,191.6	0.00	0.00	0.00
15,200.0	90.00	179.61	12,375.0	-2,277.1	332.0	2,291.5	0.00	0.00	0.00
15,300.0	90.00	179.61	12,375.0	-2,377.1	332.7	2,391.4	0.00	0.00	0.00
15,400.0	90.00	179.61	12,375.0	-2,477.1	333.4	2,491.3	0.00	0.00	0.00
15,500.0	90.00	179.61	12,375.0	-2,577.1	334.1	2,591.2	0.00	0.00	0.00
15,600.0	90.00	179.61	12,375.0	-2,677.1	334.8	2,691.1	0.00	0.00	0.00
15,700.0	90.00	179.61	12,375.0	-2,777.1	335.4	2,791.0	0.00	0.00	0.00
15,800.0	90.00	179.61	12,375.0	-2,877.1	336.1	2,890.9	0.00	0.00	0.00
15,900.0	90.00	179.61	12,375.0	-2,977.1	336.8	2,990.8	0.00	0.00	0.00
16,000.0	90.00	179.61	12,375.0	-3,077.1	337.5	3,090.7	0.00	0.00	0.00
16,100.0	90.00	179.61	12,375.0	-3,177.1	338.2	3,190.6	0.00	0.00	0.00
16,200.0	90.00	179.61	12,375.0	-3,277.1	338.8	3,290.5	0.00	0.00	0.00
16,300.0	90.00	179.61	12,375.0	-3,377.1	339.5	3,390.4	0.00	0.00	0.00
16,400.0	90.00	179.61	12,375.0	-3,477.1	340.2	3,490.2	0.00	0.00	0.00
16,500.0	90.00	179.61	12,375.0	-3,577.1	340.9	3,590.1	0.00	0.00	0.00
16,600.0	90.00	179.61	12,375.0	-3,677.1	341.6	3,690.0	0.00	0.00	0.00
16,700.0	90.00	179.61	12,375.0	-3,777.1	342.2	3,789.9	0.00	0.00	0.00
16,800.0	90.00	179.61	12,375.0	-3,877.1	342.9	3,889.8	0.00	0.00	0.00
16,900.0	90.00	179.61	12,375.0	-3,977.1	343.6	3,989.7	0.00	0.00	0.00
17,000.0	90.00	179.61	12,375.0	-4,077.1	344.3	4,089.6	0.00	0.00	0.00
17,100.0	90.00	179.61	12,375.0	-4,177.1	345.0	4,189.5	0.00	0.00	0.00
17,200.0	90.00	179.61	12,375.0	-4,277.1	345.6	4,289.4	0.00	0.00	0.00
17,300.0	90.00	179.61	12,375.0	-4,377.1	346.3	4,389.3	0.00	0.00	0.00
17,400.0	90.00	179.61	12,375.0	-4,477.1	347.0	4,489.2	0.00	0.00	0.00
17,500.0	90.00	179.61	12,375.0	-4,577.1	347.7	4,589.1	0.00	0.00	0.00
17,600.0	90.00	179.61	12,375.0	-4,677.1	348.4	4,689.0	0.00	0.00	0.00
17,700.0	90.00	179.61	12,375.0	-4,777.1	349.1	4,788.9	0.00	0.00	0.00
17,800.0	90.00	179.61	12,375.0	-4,877.1	349.7	4,888.7	0.00	0.00	0.00
17,900.0	90.00	179.61	12,375.0	-4,977.1	350.4	4,988.6	0.00	0.00	0.00
18,000.0	90.00	179.61	12,375.0	-5,077.0	351.1	5,088.5	0.00	0.00	0.00
18,100.0	90.00	179.61	12,375.0	-5,177.0	351.8	5,188.4	0.00	0.00	0.00
18,200.0	90.00	179.61	12,375.0	-5,277.0	352.5	5,288.3	0.00	0.00	0.00
18,300.0	90.00	179.61	12,375.0	-5,377.0	353.1	5,388.2	0.00	0.00	0.00
18,400.0	90.00	179.61	12,375.0	-5,477.0	353.8	5,488.1	0.00	0.00	0.00
18,500.0	90.00	179.61	12,375.0	-5,577.0	354.5	5,588.0	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: Rattlesnake 28 Fed Com
Well: #706H
Wellbore: OH
Design: Plan #0.1

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

Well #706H
KB = 25' @ 3269.0usft
KB = 25' @ 3269.0usft
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)
18,600.0	90.00	179.61	12,375.0	-5,677.0	355.2	5,687.9	0.00	0.00	0.00
18,700.0	90.00	179.61	12,375.0	-5,777.0	355.9	5,787.8	0.00	0.00	0.00
18,800.0	90.00	179.61	12,375.0	-5,877.0	356.5	5,887.7	0.00	0.00	0.00
18,900.0	90.00	179.61	12,375.0	-5,977.0	357.2	5,987.6	0.00	0.00	0.00
19,000.0	90.00	179.61	12,375.0	-6,077.0	357.9	6,087.5	0.00	0.00	0.00
19,100.0	90.00	179.61	12,375.0	-6,177.0	358.6	6,187.3	0.00	0.00	0.00
19,200.0	90.00	179.61	12,375.0	-6,277.0	359.3	6,287.2	0.00	0.00	0.00
19,300.0	90.00	179.61	12,375.0	-6,377.0	359.9	6,387.1	0.00	0.00	0.00
19,400.0	90.00	179.61	12,375.0	-6,477.0	360.6	6,487.0	0.00	0.00	0.00
19,500.0	90.00	179.61	12,375.0	-6,577.0	361.3	6,586.9	0.00	0.00	0.00
19,600.0	90.00	179.61	12,375.0	-6,677.0	362.0	6,686.8	0.00	0.00	0.00
19,700.0	90.00	179.61	12,375.0	-6,777.0	362.7	6,786.7	0.00	0.00	0.00
19,749.0	90.00	179.61	12,375.0	-6,826.0	363.0	6,835.6	0.00	0.00	0.00
PBHL (RS 28 Fed Com #706H)									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL (RS 28 Fed Com #706H) - hit/miss target - Shape - Point	0.00	0.01	12,375.0	-6,826.0	363.0	364,820.00	734,206.00	32° 0' 2.715 N	103° 34' 40.154 W
FTP (RS 28 Fed Com #706H) - plan misses target center by 38.7usft at 12502.1usft MD (12338.9 TVD, 416.0 N, 312.2 E) - Point	0.00	0.00	12,375.0	430.0	313.0	372,076.00	734,156.00	32° 1' 14.523 N	103° 34' 40.146 W