

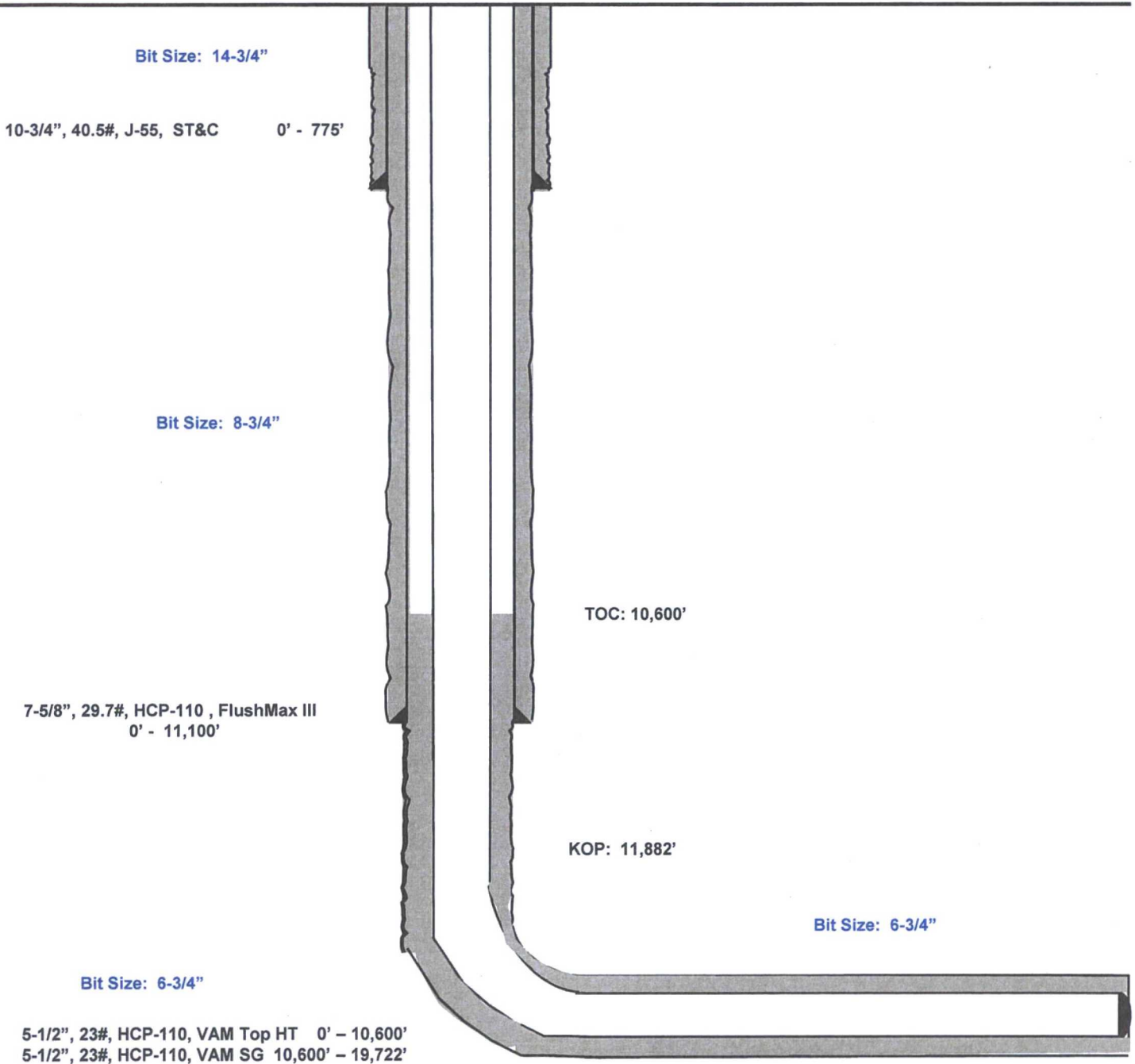
Rattlesnake 28 Fed Com #708H

Lea County, New Mexico
Proposed Wellbore

506' FNL
1118' FWL
Section 28
T-26-S, R-33-E

API: 30-025-*****

KB: 3,268'
GL: 3,226'



Lateral: 19,722' MD, 12,375' TVD
Upper Most Perf:
330' FNL & 991' FWL Sec. 28
Lower Most Perf:
330' FSL & 989' FWL Sec. 33
BH Location: 230' FSL & 988' FWL
Section 33
T-26-S, R-33-E



Rattlesnake 28 Fed Com #708H

Plan #0.1

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

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1886
Zone: New Mexico East 3001
System Datum: Mean Sea Level

WELL DETAILS: #708H

Ground Level: 3226.0
KB = 25' @ 3251.0usft
Northing 371895.00 Easting 732964.00 Latitude 32° 1' 12.814 N Longitude 103° 34' 54.005 W

Azimuths to Grid North
True North: -0.40°
Magnetic North: 6.63°

Magnetic Field
Strength: 47902.6nT
Dip Angle: 59.88°
Date: 8/17/2016
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 8.64°
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°

SECTION DETAILS										Target
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	
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	4872.7	3.73	344.82	4872.4	11.7	-3.2	1.00	344.62	-11.7	
4	11882.7	3.73	344.82	11887.5	45.4	-122.5	0.00	0.00	-45.0	
5	12662.7	90.00	179.59	12375.0	-25.2	-127.5	12.00	-165.20	25.6	
6	19722.7	90.00	179.59	12375.0	-7085.0	-77.0	0.00	0.00	7085.4	PBHL (RS 28 Fed Com #708H)

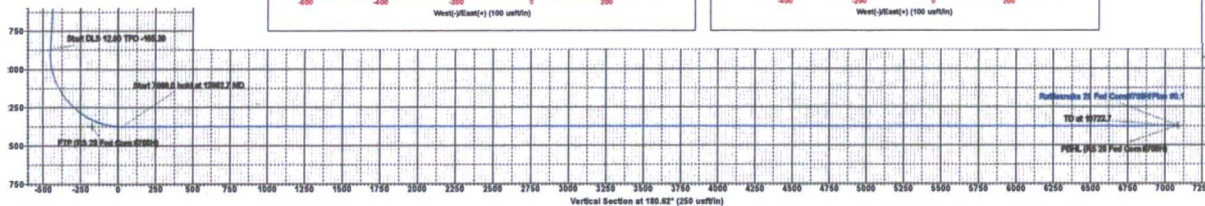
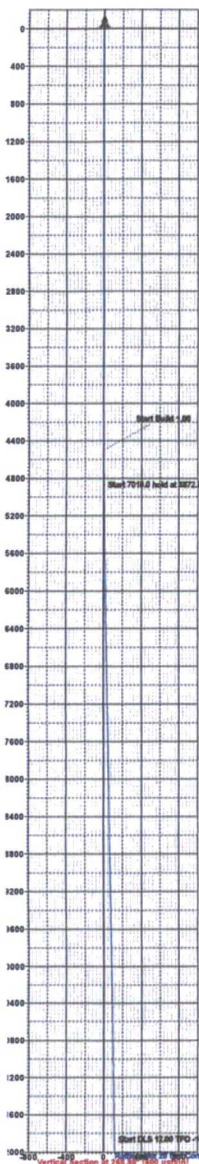
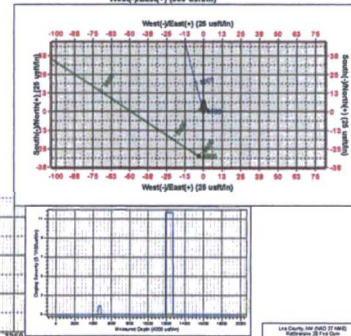
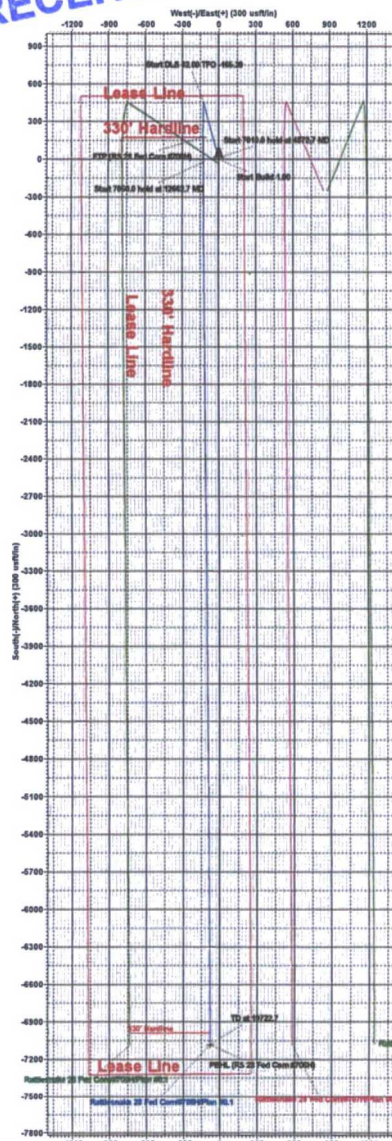
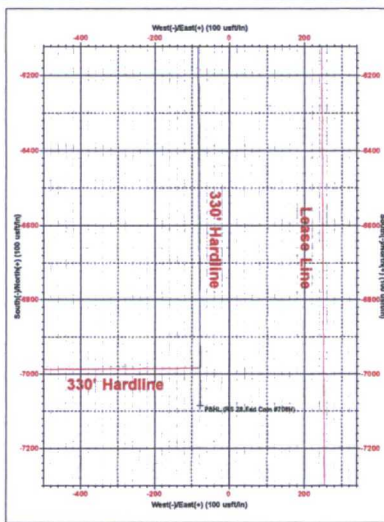
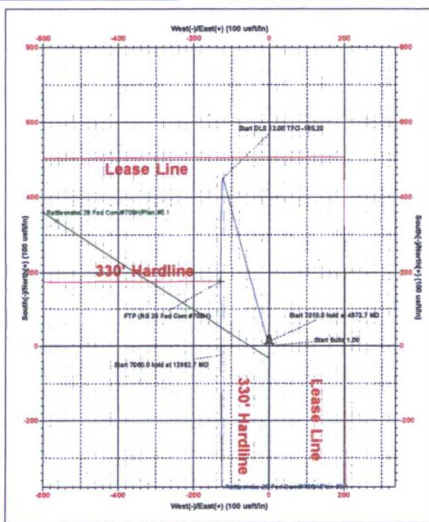
SECTION DETAILS

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 #708H)	12375.0	-7085.0	-77.0	364810.00	732887.00
FTP (RS 28 Fed Com #708H)	12375.0	175.0	-129.0	372070.00	732835.00





LBS OCD

JAN 03 2017

RECEIVED

EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Rattlesnake 28 Fed Com

#708H

OH

Plan: Plan #0.1

Standard Planning Report

18 August, 2016



EOG Resources, Inc.
Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #708H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3251.0usft
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 25' @ 3251.0usft
Site:	Rattlesnake 28 Fed Com	North Reference:	Grid
Well:	#708H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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:		Northing:	371,679.00 usft	Latitude:	32° 1' 10.534 N
From:	Map	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	#708H					
Well Position	+N/-S	216.0 usft	Northing:	371,895.00 usft	Latitude:	32° 1' 12.814 N
	+E/-W	-2,060.0 usft	Easting:	732,964.00 usft	Longitude:	103° 34' 54.005 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,226.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	8/17/2016	7.03	59.88	47,903

Design	Plan #0.1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	180.62

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	
4,872.7	3.73	344.82	4,872.4	11.7	-3.2	1.00	1.00	0.00	344.82	
11,882.7	3.73	344.82	11,867.6	451.4	-122.5	0.00	0.00	0.00	0.00	
12,662.7	90.00	179.59	12,375.0	-25.2	-127.5	12.00	11.06	-21.18	-165.20	
19,722.7	90.00	179.59	12,375.0	-7,085.0	-77.0	0.00	0.00	0.00	0.00	PBHL (RS 28 Fed Co



EOG Resources, Inc.

Planning Report

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 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Rattlesnake 28 Fed Com
 Well: #708H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #708H
 TVD Reference: KB = 25' @ 3251.0usft
 MD Reference: KB = 25' @ 3251.0usft
 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)
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	344.82	4,600.0	0.8	-0.2	-0.8	1.00	1.00	0.00
4,700.0	2.00	344.82	4,700.0	3.4	-0.9	-3.4	1.00	1.00	0.00
4,800.0	3.00	344.82	4,799.9	7.6	-2.1	-7.6	1.00	1.00	0.00
4,872.7	3.73	344.82	4,872.4	11.7	-3.2	-11.7	1.00	1.00	0.00
4,900.0	3.73	344.82	4,899.7	13.4	-3.6	-13.4	0.00	0.00	0.00
5,000.0	3.73	344.82	4,999.5	19.7	-5.3	-19.6	0.00	0.00	0.00
5,100.0	3.73	344.82	5,099.3	26.0	-7.0	-25.9	0.00	0.00	0.00
5,200.0	3.73	344.82	5,199.0	32.2	-8.7	-32.1	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: #708H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #708H
 TVD Reference: KB = 25' @ 3251.0usft
 MD Reference: KB = 25' @ 3251.0usft
 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	3.73	344.82	5,298.8	38.5	-10.4	-38.4	0.00	0.00	0.00
5,400.0	3.73	344.82	5,398.6	44.8	-12.1	-44.6	0.00	0.00	0.00
5,500.0	3.73	344.82	5,498.4	51.0	-13.9	-50.9	0.00	0.00	0.00
5,600.0	3.73	344.82	5,598.2	57.3	-15.6	-57.1	0.00	0.00	0.00
5,700.0	3.73	344.82	5,698.0	63.6	-17.3	-63.4	0.00	0.00	0.00
5,800.0	3.73	344.82	5,797.8	69.9	-19.0	-69.6	0.00	0.00	0.00
5,900.0	3.73	344.82	5,897.6	76.1	-20.7	-75.9	0.00	0.00	0.00
6,000.0	3.73	344.82	5,997.4	82.4	-22.4	-82.2	0.00	0.00	0.00
6,100.0	3.73	344.82	6,097.1	88.7	-24.1	-88.4	0.00	0.00	0.00
6,200.0	3.73	344.82	6,196.9	95.0	-25.8	-94.7	0.00	0.00	0.00
6,300.0	3.73	344.82	6,296.7	101.2	-27.5	-100.9	0.00	0.00	0.00
6,400.0	3.73	344.82	6,396.5	107.5	-29.2	-107.2	0.00	0.00	0.00
6,500.0	3.73	344.82	6,496.3	113.8	-30.9	-113.4	0.00	0.00	0.00
6,600.0	3.73	344.82	6,596.1	120.0	-32.6	-119.7	0.00	0.00	0.00
6,700.0	3.73	344.82	6,695.9	126.3	-34.3	-125.9	0.00	0.00	0.00
6,800.0	3.73	344.82	6,795.7	132.6	-36.0	-132.2	0.00	0.00	0.00
6,900.0	3.73	344.82	6,895.5	138.9	-37.7	-138.4	0.00	0.00	0.00
7,000.0	3.73	344.82	6,995.2	145.1	-39.4	-144.7	0.00	0.00	0.00
7,100.0	3.73	344.82	7,095.0	151.4	-41.1	-150.9	0.00	0.00	0.00
7,200.0	3.73	344.82	7,194.8	157.7	-42.8	-157.2	0.00	0.00	0.00
7,300.0	3.73	344.82	7,294.6	163.9	-44.5	-163.5	0.00	0.00	0.00
7,400.0	3.73	344.82	7,394.4	170.2	-46.2	-169.7	0.00	0.00	0.00
7,500.0	3.73	344.82	7,494.2	176.5	-47.9	-176.0	0.00	0.00	0.00
7,600.0	3.73	344.82	7,594.0	182.8	-49.6	-182.2	0.00	0.00	0.00
7,700.0	3.73	344.82	7,693.8	189.0	-51.3	-188.5	0.00	0.00	0.00
7,800.0	3.73	344.82	7,793.5	195.3	-53.0	-194.7	0.00	0.00	0.00
7,900.0	3.73	344.82	7,893.3	201.6	-54.7	-201.0	0.00	0.00	0.00
8,000.0	3.73	344.82	7,993.1	207.9	-56.4	-207.2	0.00	0.00	0.00
8,100.0	3.73	344.82	8,092.9	214.1	-58.1	-213.5	0.00	0.00	0.00
8,200.0	3.73	344.82	8,192.7	220.4	-59.8	-219.7	0.00	0.00	0.00
8,300.0	3.73	344.82	8,292.5	226.7	-61.5	-226.0	0.00	0.00	0.00
8,400.0	3.73	344.82	8,392.3	232.9	-63.2	-232.2	0.00	0.00	0.00
8,500.0	3.73	344.82	8,492.1	239.2	-64.9	-238.5	0.00	0.00	0.00
8,600.0	3.73	344.82	8,591.9	245.5	-66.6	-244.8	0.00	0.00	0.00
8,700.0	3.73	344.82	8,691.6	251.8	-68.3	-251.0	0.00	0.00	0.00
8,800.0	3.73	344.82	8,791.4	258.0	-70.0	-257.3	0.00	0.00	0.00
8,900.0	3.73	344.82	8,891.2	264.3	-71.7	-263.5	0.00	0.00	0.00
9,000.0	3.73	344.82	8,991.0	270.6	-73.4	-269.8	0.00	0.00	0.00
9,100.0	3.73	344.82	9,090.8	276.9	-75.1	-276.0	0.00	0.00	0.00
9,200.0	3.73	344.82	9,190.6	283.1	-76.8	-282.3	0.00	0.00	0.00
9,300.0	3.73	344.82	9,290.4	289.4	-78.5	-288.5	0.00	0.00	0.00
9,400.0	3.73	344.82	9,390.2	295.7	-80.2	-294.8	0.00	0.00	0.00
9,500.0	3.73	344.82	9,490.0	301.9	-81.9	-301.0	0.00	0.00	0.00
9,600.0	3.73	344.82	9,589.7	308.2	-83.6	-307.3	0.00	0.00	0.00
9,700.0	3.73	344.82	9,689.5	314.5	-85.3	-313.5	0.00	0.00	0.00
9,800.0	3.73	344.82	9,789.3	320.8	-87.0	-319.8	0.00	0.00	0.00
9,900.0	3.73	344.82	9,889.1	327.0	-88.8	-326.1	0.00	0.00	0.00
10,000.0	3.73	344.82	9,988.9	333.3	-90.5	-332.3	0.00	0.00	0.00
10,100.0	3.73	344.82	10,088.7	339.6	-92.2	-338.6	0.00	0.00	0.00
10,200.0	3.73	344.82	10,188.5	345.9	-93.9	-344.8	0.00	0.00	0.00
10,300.0	3.73	344.82	10,288.3	352.1	-95.6	-351.1	0.00	0.00	0.00
10,400.0	3.73	344.82	10,388.1	358.4	-97.3	-357.3	0.00	0.00	0.00
10,500.0	3.73	344.82	10,487.8	364.7	-99.0	-363.6	0.00	0.00	0.00
10,600.0	3.73	344.82	10,587.6	370.9	-100.7	-369.8	0.00	0.00	0.00



EOG Resources, Inc.

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Well #708H
KB = 25' @ 3251.0usft
KB = 25' @ 3251.0usft
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)
10,700.0	3.73	344.82	10,687.4	377.2	-102.4	-376.1	0.00	0.00	0.00
10,800.0	3.73	344.82	10,787.2	383.5	-104.1	-382.3	0.00	0.00	0.00
10,900.0	3.73	344.82	10,887.0	389.8	-105.8	-388.6	0.00	0.00	0.00
11,000.0	3.73	344.82	10,986.8	396.0	-107.5	-394.8	0.00	0.00	0.00
11,100.0	3.73	344.82	11,086.6	402.3	-109.2	-401.1	0.00	0.00	0.00
11,200.0	3.73	344.82	11,186.4	408.6	-110.9	-407.3	0.00	0.00	0.00
11,300.0	3.73	344.82	11,286.1	414.9	-112.6	-413.6	0.00	0.00	0.00
11,400.0	3.73	344.82	11,385.9	421.1	-114.3	-419.9	0.00	0.00	0.00
11,500.0	3.73	344.82	11,485.7	427.4	-116.0	-426.1	0.00	0.00	0.00
11,600.0	3.73	344.82	11,585.5	433.7	-117.7	-432.4	0.00	0.00	0.00
11,700.0	3.73	344.82	11,685.3	439.9	-119.4	-438.6	0.00	0.00	0.00
11,800.0	3.73	344.82	11,785.1	446.2	-121.1	-444.9	0.00	0.00	0.00
11,882.7	3.73	344.82	11,867.6	451.4	-122.5	-450.0	0.00	0.00	0.00
11,900.0	1.80	327.64	11,884.9	452.2	-122.8	-450.8	12.00	-11.14	-99.20
11,925.0	1.76	212.41	11,909.9	452.2	-123.2	-450.8	12.00	-0.17	-460.91
11,950.0	4.57	191.57	11,934.8	450.9	-123.6	-449.5	12.00	11.28	-83.37
11,975.0	7.53	186.80	11,959.7	448.3	-124.0	-446.9	12.00	11.84	-19.07
12,000.0	10.52	184.72	11,984.4	444.4	-124.4	-443.0	12.00	11.93	-8.32
12,025.0	13.51	183.55	12,008.8	439.2	-124.8	-437.8	12.00	11.96	-4.67
12,050.0	16.50	182.80	12,033.0	432.7	-125.1	-431.3	12.00	11.98	-3.00
12,075.0	19.50	182.28	12,056.8	425.0	-125.5	-423.6	12.00	11.98	-2.10
12,100.0	22.49	181.89	12,080.1	416.1	-125.8	-414.7	12.00	11.99	-1.56
12,125.0	25.49	181.59	12,102.9	405.9	-126.1	-404.5	12.00	11.99	-1.21
12,150.0	28.49	181.34	12,125.2	394.6	-126.4	-393.2	12.00	11.99	-0.97
12,175.0	31.49	181.14	12,146.9	382.1	-126.6	-380.7	12.00	11.99	-0.80
12,200.0	34.49	180.98	12,167.8	368.5	-126.9	-367.1	12.00	11.99	-0.67
12,225.0	37.49	180.83	12,188.1	353.8	-127.1	-352.4	12.00	12.00	-0.58
12,250.0	40.48	180.70	12,207.5	338.0	-127.3	-336.6	12.00	12.00	-0.50
12,275.0	43.48	180.59	12,226.1	321.3	-127.5	-319.9	12.00	12.00	-0.45
12,300.0	46.48	180.49	12,243.7	303.7	-127.7	-302.3	12.00	12.00	-0.40
12,325.0	49.48	180.40	12,260.5	285.1	-127.8	-283.7	12.00	12.00	-0.36
12,350.0	52.48	180.32	12,276.2	265.7	-128.0	-264.3	12.00	12.00	-0.33
12,375.0	55.48	180.24	12,290.9	245.4	-128.1	-244.0	12.00	12.00	-0.30
12,400.0	58.48	180.17	12,304.5	224.5	-128.1	-223.1	12.00	12.00	-0.28
12,425.0	61.48	180.11	12,317.0	202.8	-128.2	-201.4	12.00	12.00	-0.27
12,450.0	64.48	180.04	12,328.4	180.6	-128.2	-179.2	12.00	12.00	-0.25
12,474.1	67.37	179.99	12,338.2	158.6	-128.2	-157.2	12.00	12.00	-0.24
FTP (RS 28 Fed Com #708H)									
12,475.0	67.48	179.98	12,338.6	157.7	-128.2	-156.3	12.00	12.00	-0.23
12,500.0	70.48	179.93	12,347.5	134.4	-128.2	-133.0	12.00	12.00	-0.23
12,525.0	73.48	179.87	12,355.3	110.6	-128.2	-109.2	12.00	12.00	-0.22
12,550.0	76.48	179.82	12,361.8	86.5	-128.1	-85.1	12.00	12.00	-0.21
12,575.0	79.48	179.77	12,367.0	62.0	-128.0	-60.7	12.00	12.00	-0.21
12,600.0	82.48	179.72	12,370.9	37.4	-127.9	-36.0	12.00	12.00	-0.20
12,625.0	85.48	179.67	12,373.5	12.5	-127.8	-11.1	12.00	12.00	-0.20
12,650.0	88.48	179.62	12,374.8	-12.5	-127.6	13.8	12.00	12.00	-0.20
12,662.7	90.00	179.59	12,375.0	-25.2	-127.5	26.6	12.00	12.00	-0.20
12,700.0	90.00	179.59	12,375.0	-62.5	-127.3	63.8	0.00	0.00	0.00
12,800.0	90.00	179.59	12,375.0	-162.5	-126.5	163.8	0.00	0.00	0.00
12,900.0	90.00	179.59	12,375.0	-262.5	-125.8	263.8	0.00	0.00	0.00
13,000.0	90.00	179.59	12,375.0	-362.4	-125.1	363.8	0.00	0.00	0.00
13,100.0	90.00	179.59	12,375.0	-462.4	-124.4	463.8	0.00	0.00	0.00
13,200.0	90.00	179.59	12,375.0	-562.4	-123.7	563.8	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: #708H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #708H
TVD Reference: KB = 25' @ 3251.0usft
MD Reference: KB = 25' @ 3251.0usft
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	90.00	179.59	12,375.0	-662.4	-123.0	663.7	0.00	0.00	0.00
13,400.0	90.00	179.59	12,375.0	-762.4	-122.2	763.7	0.00	0.00	0.00
13,500.0	90.00	179.59	12,375.0	-862.4	-121.5	863.7	0.00	0.00	0.00
13,600.0	90.00	179.59	12,375.0	-962.4	-120.8	963.7	0.00	0.00	0.00
13,700.0	90.00	179.59	12,375.0	-1,062.4	-120.1	1,063.7	0.00	0.00	0.00
13,800.0	90.00	179.59	12,375.0	-1,162.4	-119.4	1,163.7	0.00	0.00	0.00
13,900.0	90.00	179.59	12,375.0	-1,262.4	-118.7	1,263.6	0.00	0.00	0.00
14,000.0	90.00	179.59	12,375.0	-1,362.4	-118.0	1,363.6	0.00	0.00	0.00
14,100.0	90.00	179.59	12,375.0	-1,462.4	-117.2	1,463.6	0.00	0.00	0.00
14,200.0	90.00	179.59	12,375.0	-1,562.4	-116.5	1,563.6	0.00	0.00	0.00
14,300.0	90.00	179.59	12,375.0	-1,662.4	-115.8	1,663.6	0.00	0.00	0.00
14,400.0	90.00	179.59	12,375.0	-1,762.4	-115.1	1,763.6	0.00	0.00	0.00
14,500.0	90.00	179.59	12,375.0	-1,862.4	-114.4	1,863.5	0.00	0.00	0.00
14,600.0	90.00	179.59	12,375.0	-1,962.4	-113.7	1,963.5	0.00	0.00	0.00
14,700.0	90.00	179.59	12,375.0	-2,062.4	-112.9	2,063.5	0.00	0.00	0.00
14,800.0	90.00	179.59	12,375.0	-2,162.4	-112.2	2,163.5	0.00	0.00	0.00
14,900.0	90.00	179.59	12,375.0	-2,262.4	-111.5	2,263.5	0.00	0.00	0.00
15,000.0	90.00	179.59	12,375.0	-2,362.4	-110.8	2,363.5	0.00	0.00	0.00
15,100.0	90.00	179.59	12,375.0	-2,462.4	-110.1	2,463.4	0.00	0.00	0.00
15,200.0	90.00	179.59	12,375.0	-2,562.4	-109.4	2,563.4	0.00	0.00	0.00
15,300.0	90.00	179.59	12,375.0	-2,662.4	-108.6	2,663.4	0.00	0.00	0.00
15,400.0	90.00	179.59	12,375.0	-2,762.4	-107.9	2,763.4	0.00	0.00	0.00
15,500.0	90.00	179.59	12,375.0	-2,862.4	-107.2	2,863.4	0.00	0.00	0.00
15,600.0	90.00	179.59	12,375.0	-2,962.4	-106.5	2,963.4	0.00	0.00	0.00
15,700.0	90.00	179.59	12,375.0	-3,062.4	-105.8	3,063.3	0.00	0.00	0.00
15,800.0	90.00	179.59	12,375.0	-3,162.4	-105.1	3,163.3	0.00	0.00	0.00
15,900.0	90.00	179.59	12,375.0	-3,262.4	-104.4	3,263.3	0.00	0.00	0.00
16,000.0	90.00	179.59	12,375.0	-3,362.4	-103.6	3,363.3	0.00	0.00	0.00
16,100.0	90.00	179.59	12,375.0	-3,462.4	-102.9	3,463.3	0.00	0.00	0.00
16,200.0	90.00	179.59	12,375.0	-3,562.4	-102.2	3,563.3	0.00	0.00	0.00
16,300.0	90.00	179.59	12,375.0	-3,662.4	-101.5	3,663.3	0.00	0.00	0.00
16,400.0	90.00	179.59	12,375.0	-3,762.4	-100.8	3,763.2	0.00	0.00	0.00
16,500.0	90.00	179.59	12,375.0	-3,862.4	-100.1	3,863.2	0.00	0.00	0.00
16,600.0	90.00	179.59	12,375.0	-3,962.4	-99.3	3,963.2	0.00	0.00	0.00
16,700.0	90.00	179.59	12,375.0	-4,062.4	-98.6	4,063.2	0.00	0.00	0.00
16,800.0	90.00	179.59	12,375.0	-4,162.4	-97.9	4,163.2	0.00	0.00	0.00
16,900.0	90.00	179.59	12,375.0	-4,262.4	-97.2	4,263.2	0.00	0.00	0.00
17,000.0	90.00	179.59	12,375.0	-4,362.3	-96.5	4,363.1	0.00	0.00	0.00
17,100.0	90.00	179.59	12,375.0	-4,462.3	-95.8	4,463.1	0.00	0.00	0.00
17,200.0	90.00	179.59	12,375.0	-4,562.3	-95.1	4,563.1	0.00	0.00	0.00
17,300.0	90.00	179.59	12,375.0	-4,662.3	-94.3	4,663.1	0.00	0.00	0.00
17,400.0	90.00	179.59	12,375.0	-4,762.3	-93.6	4,763.1	0.00	0.00	0.00
17,500.0	90.00	179.59	12,375.0	-4,862.3	-92.9	4,863.1	0.00	0.00	0.00
17,600.0	90.00	179.59	12,375.0	-4,962.3	-92.2	4,963.0	0.00	0.00	0.00
17,700.0	90.00	179.59	12,375.0	-5,062.3	-91.5	5,063.0	0.00	0.00	0.00
17,800.0	90.00	179.59	12,375.0	-5,162.3	-90.8	5,163.0	0.00	0.00	0.00
17,900.0	90.00	179.59	12,375.0	-5,262.3	-90.0	5,263.0	0.00	0.00	0.00
18,000.0	90.00	179.59	12,375.0	-5,362.3	-89.3	5,363.0	0.00	0.00	0.00
18,100.0	90.00	179.59	12,375.0	-5,462.3	-88.6	5,463.0	0.00	0.00	0.00
18,200.0	90.00	179.59	12,375.0	-5,562.3	-87.9	5,562.9	0.00	0.00	0.00
18,300.0	90.00	179.59	12,375.0	-5,662.3	-87.2	5,662.9	0.00	0.00	0.00
18,400.0	90.00	179.59	12,375.0	-5,762.3	-86.5	5,762.9	0.00	0.00	0.00
18,500.0	90.00	179.59	12,375.0	-5,862.3	-85.7	5,862.9	0.00	0.00	0.00
18,600.0	90.00	179.59	12,375.0	-5,962.3	-85.0	5,962.9	0.00	0.00	0.00



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Site: Rattlesnake 28 Fed Com
Well: #708H
Wellbore: OH
Design: Plan #0.1

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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)
18,700.0	90.00	179.59	12,375.0	-6,062.3	-84.3	6,062.9	0.00	0.00	0.00
18,800.0	90.00	179.59	12,375.0	-6,162.3	-83.6	6,162.8	0.00	0.00	0.00
18,900.0	90.00	179.59	12,375.0	-6,262.3	-82.9	6,262.8	0.00	0.00	0.00
19,000.0	90.00	179.59	12,375.0	-6,362.3	-82.2	6,362.8	0.00	0.00	0.00
19,100.0	90.00	179.59	12,375.0	-6,462.3	-81.5	6,462.8	0.00	0.00	0.00
19,200.0	90.00	179.59	12,375.0	-6,562.3	-80.7	6,562.8	0.00	0.00	0.00
19,300.0	90.00	179.59	12,375.0	-6,662.3	-80.0	6,662.8	0.00	0.00	0.00
19,400.0	90.00	179.59	12,375.0	-6,762.3	-79.3	6,762.7	0.00	0.00	0.00
19,500.0	90.00	179.59	12,375.0	-6,862.3	-78.6	6,862.7	0.00	0.00	0.00
19,600.0	90.00	179.59	12,375.0	-6,962.3	-77.9	6,962.7	0.00	0.00	0.00
19,700.0	90.00	179.59	12,375.0	-7,062.3	-77.2	7,062.7	0.00	0.00	0.00
19,722.7	90.00	179.59	12,375.0	-7,085.0	-77.0	7,085.4	0.00	0.00	0.00

PBHL (RS 28 Fed Com #708H)

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 (RS 28 Fed Com ; - plan hits target center - Point	0.00	0.00	12,375.0	-7,085.0	-77.0	364,810.00	732,887.00	32° 0' 2.707 N	103° 34' 55.472 W
FTP (RS 28 Fed Com #7; - plan misses target center by 40.3usft at 12474.1usft MD (12338.2 TVD, 158.6 N, -128.2 E) - Point	0.00	0.00	12,375.0	175.0	-129.0	372,070.00	732,835.00	32° 1' 14.554 N	103° 34' 55.489 W