



Lea County, NM (NAD 83 NME)

Red Raider 25 State Com #702H

Plan #0.2

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: #702H

KB = 25 @ 3529 Quat 3504.0
Northing 430842.00 Easting 792839.00 Latitude 32° 10' 54.858 N Longitude 103° 31' 13.475 W

SECTION DETAILS

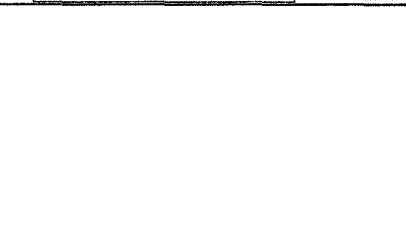
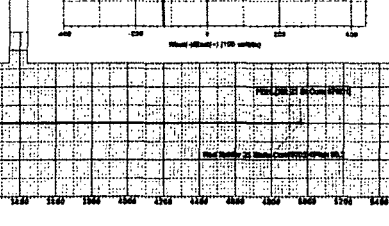
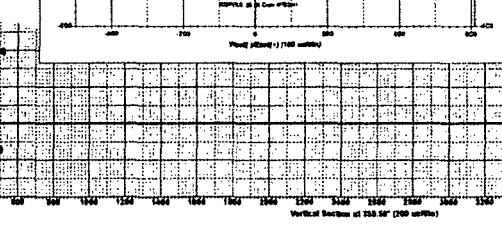
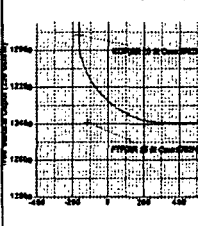
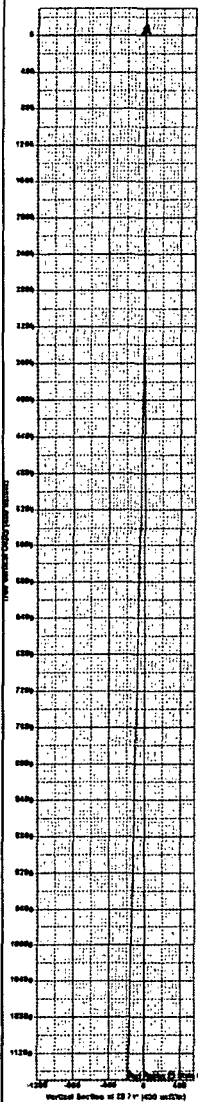
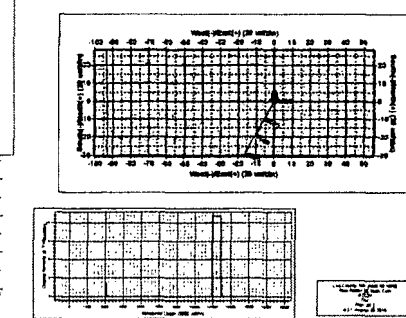
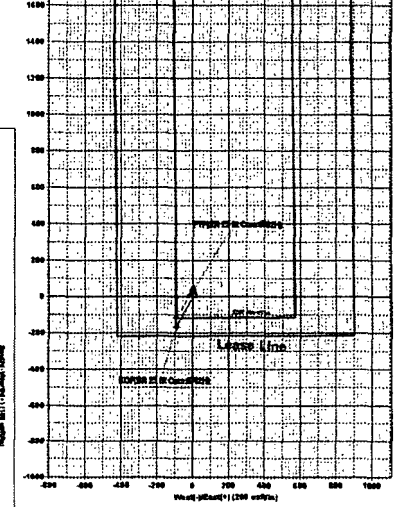
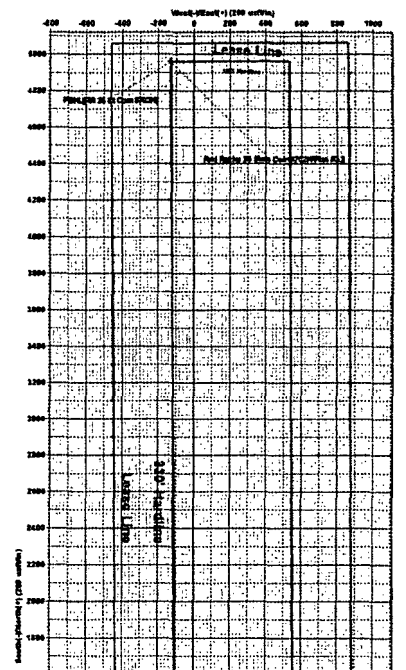
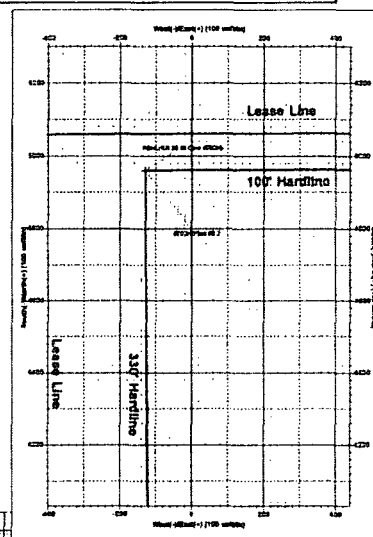
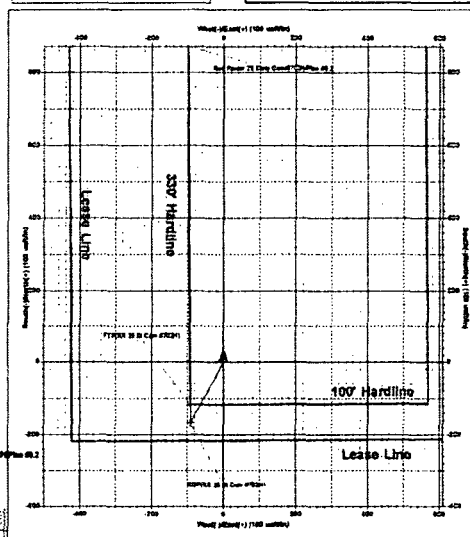
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Diag	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0	
3	3062.0	1.24	208.71	3061.9	-0.6	-0.3	2.00	208.71	0.6	
4	11857.6	1.24	208.71	11855.6	-107.4	-91.7	0.00	0.00	-165.0	
5	11919.6	0.00	0.00	11917.5	-158.0	-92.0	2.00	180.00	-165.5	KOP(RR 25 St Com #702H)
6	12669.6	90.00	359.58	12395.0	309.4	-85.5	12.00	359.58	311.8	
7	17320.2	90.00	359.58	12395.0	4960.0	-130.0	0.00	0.00	4961.7	PBHL(RR 25 St Com #702H)

CASINO DETAILS

No casing data is available

WELLBORE YARDEY DETAILS (MAP COORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
KOP(RR 25 St Com #702H)	11917.5	-158.0	-92.0	430884.00	792747.00
PT(RR 25 St Com #702H)	12395.0	-118.0	-42.0	430744.00	792747.00
PBHL(RR 25 St Com #702H)	17320.2	-4960.0	-130.0	436822.00	792705.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Red Raider 25 State Com

#702H

OH

Plan: Plan #0.2

Standard Planning Report

08 August, 2018



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Red Raider 25 State Com
Well: #702H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #702H
TVD Reference: KB = 25 @ 3529.0usft
MD Reference: KB = 25 @ 3529.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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

Site	Red Raider 25 State Com			
Site Position:		Northing:	430,866.00 usft	Latitude: 32° 10' 54.895 N
From:	Map	Easting:	792,872.00 usft	Longitude: 103° 31' 13.091 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.43 °

Well	#702H			
Well Position	+N/-S	-4.0 usft	Northing: 430,862.00 usft	Latitude: 32° 10' 54.858 N
	+E/-W	-33.0 usft	Easting: 792,839.00 usft	Longitude: 103° 31' 13.475 W
Position Uncertainty	0.0 usft	Wellhead Elevation:		Ground Level: 3,504.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2/7/2018	6.86	60.02	47,851.71355182

Design	Plan #0.2			
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	358.50

Plan Survey Tool Program	Date 8/8/2018			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	17,320.2 Plan #0.2 (OH)	MWD	
			OWSG MWD - Standard	

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	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,062.0	1.24	208.71	3,061.9	-0.6	-0.3	2.00	2.00	0.00	208.71	
11,857.6	1.24	208.71	11,855.6	-167.4	-91.7	0.00	0.00	0.00	0.00	
11,919.6	0.00	0.00	11,917.5	-168.0	-92.0	2.00	-2.00	0.00	180.00	KOP(RR 25 St Com #
12,669.6	90.00	359.58	12,395.0	309.4	-95.5	12.00	12.00	-0.06	359.58	
17,320.2	90.00	359.58	12,395.0	4,960.0	-130.0	0.00	0.00	0.00	0.00	PBHL(RR 25 St Com



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Red Raider 25 State Com
 Well: #702H
 Wellbore: OH
 Design: Plan #0.2

Local Co-ordinate Reference: Well #702H
 TVD Reference: KB = 25 @ 3529.0usft
 MD Reference: KB = 25 @ 3529.0usft
 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
3,062.0	1.24	208.71	3,061.9	-0.6	-0.3	-0.6	2.00	2.00	0.00
3,100.0	1.24	208.71	3,100.0	-1.3	-0.7	-1.3	0.00	0.00	0.00
3,200.0	1.24	208.71	3,200.0	-3.2	-1.8	-3.2	0.00	0.00	0.00
3,300.0	1.24	208.71	3,299.9	-5.1	-2.8	-5.0	0.00	0.00	0.00
3,400.0	1.24	208.71	3,399.9	-7.0	-3.8	-6.9	0.00	0.00	0.00
3,500.0	1.24	208.71	3,499.9	-8.9	-4.9	-8.8	0.00	0.00	0.00
3,600.0	1.24	208.71	3,599.9	-10.8	-5.9	-10.6	0.00	0.00	0.00
3,700.0	1.24	208.71	3,699.8	-12.7	-6.9	-12.5	0.00	0.00	0.00
3,800.0	1.24	208.71	3,799.8	-14.6	-8.0	-14.4	0.00	0.00	0.00
3,900.0	1.24	208.71	3,899.8	-16.5	-9.0	-16.2	0.00	0.00	0.00
4,000.0	1.24	208.71	3,999.8	-18.4	-10.1	-18.1	0.00	0.00	0.00
4,100.0	1.24	208.71	4,099.8	-20.3	-11.1	-20.0	0.00	0.00	0.00
4,200.0	1.24	208.71	4,199.7	-22.2	-12.1	-21.8	0.00	0.00	0.00
4,300.0	1.24	208.71	4,299.7	-24.1	-13.2	-23.7	0.00	0.00	0.00
4,400.0	1.24	208.71	4,399.7	-26.0	-14.2	-25.6	0.00	0.00	0.00
4,500.0	1.24	208.71	4,499.7	-27.9	-15.3	-27.5	0.00	0.00	0.00
4,600.0	1.24	208.71	4,599.6	-29.8	-16.3	-29.3	0.00	0.00	0.00
4,700.0	1.24	208.71	4,699.6	-31.7	-17.3	-31.2	0.00	0.00	0.00
4,800.0	1.24	208.71	4,799.6	-33.6	-18.4	-33.1	0.00	0.00	0.00
4,900.0	1.24	208.71	4,899.6	-35.4	-19.4	-34.9	0.00	0.00	0.00
5,000.0	1.24	208.71	4,999.5	-37.3	-20.5	-36.8	0.00	0.00	0.00
5,100.0	1.24	208.71	5,099.5	-39.2	-21.5	-38.7	0.00	0.00	0.00
5,200.0	1.24	208.71	5,199.5	-41.1	-22.5	-40.5	0.00	0.00	0.00



Planning Report

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Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Red Raider 25 State Com
Well: #702H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #702H
TVD Reference: KB = 25 @ 3529.0usft
MD Reference: KB = 25 @ 3529.0usft
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	1.24	208.71	5,299.5	-43.0	-23.6	-42.4	0.00	0.00	0.00
5,400.0	1.24	208.71	5,399.4	-44.9	-24.6	-44.3	0.00	0.00	0.00
5,500.0	1.24	208.71	5,499.4	-46.8	-25.6	-46.1	0.00	0.00	0.00
5,600.0	1.24	208.71	5,599.4	-48.7	-26.7	-48.0	0.00	0.00	0.00
5,700.0	1.24	208.71	5,699.4	-50.6	-27.7	-49.9	0.00	0.00	0.00
5,800.0	1.24	208.71	5,799.4	-52.5	-28.8	-51.7	0.00	0.00	0.00
5,900.0	1.24	208.71	5,899.3	-54.4	-29.8	-53.6	0.00	0.00	0.00
6,000.0	1.24	208.71	5,999.3	-56.3	-30.8	-55.5	0.00	0.00	0.00
6,100.0	1.24	208.71	6,099.3	-58.2	-31.9	-57.4	0.00	0.00	0.00
6,200.0	1.24	208.71	6,199.3	-60.1	-32.9	-59.2	0.00	0.00	0.00
6,300.0	1.24	208.71	6,299.2	-62.0	-34.0	-61.1	0.00	0.00	0.00
6,400.0	1.24	208.71	6,399.2	-63.9	-35.0	-63.0	0.00	0.00	0.00
6,500.0	1.24	208.71	6,499.2	-65.8	-36.0	-64.8	0.00	0.00	0.00
6,600.0	1.24	208.71	6,599.2	-67.7	-37.1	-66.7	0.00	0.00	0.00
6,700.0	1.24	208.71	6,699.1	-69.6	-38.1	-68.6	0.00	0.00	0.00
6,800.0	1.24	208.71	6,799.1	-71.5	-39.1	-70.4	0.00	0.00	0.00
6,900.0	1.24	208.71	6,899.1	-73.4	-40.2	-72.3	0.00	0.00	0.00
7,000.0	1.24	208.71	6,999.1	-75.3	-41.2	-74.2	0.00	0.00	0.00
7,100.0	1.24	208.71	7,099.1	-77.2	-42.3	-76.0	0.00	0.00	0.00
7,200.0	1.24	208.71	7,199.0	-79.1	-43.3	-77.9	0.00	0.00	0.00
7,300.0	1.24	208.71	7,299.0	-81.0	-44.3	-79.8	0.00	0.00	0.00
7,400.0	1.24	208.71	7,399.0	-82.9	-45.4	-81.6	0.00	0.00	0.00
7,500.0	1.24	208.71	7,499.0	-84.8	-46.4	-83.5	0.00	0.00	0.00
7,600.0	1.24	208.71	7,598.9	-86.7	-47.5	-85.4	0.00	0.00	0.00
7,700.0	1.24	208.71	7,698.9	-88.6	-48.5	-87.3	0.00	0.00	0.00
7,800.0	1.24	208.71	7,798.9	-90.5	-49.5	-89.1	0.00	0.00	0.00
7,900.0	1.24	208.71	7,898.9	-92.3	-50.6	-91.0	0.00	0.00	0.00
8,000.0	1.24	208.71	7,998.8	-94.2	-51.6	-92.9	0.00	0.00	0.00
8,100.0	1.24	208.71	8,098.8	-96.1	-52.6	-94.7	0.00	0.00	0.00
8,200.0	1.24	208.71	8,198.8	-98.0	-53.7	-96.6	0.00	0.00	0.00
8,300.0	1.24	208.71	8,298.8	-99.9	-54.7	-98.5	0.00	0.00	0.00
8,400.0	1.24	208.71	8,398.7	-101.8	-55.8	-100.3	0.00	0.00	0.00
8,500.0	1.24	208.71	8,498.7	-103.7	-56.8	-102.2	0.00	0.00	0.00
8,600.0	1.24	208.71	8,598.7	-105.6	-57.8	-104.1	0.00	0.00	0.00
8,700.0	1.24	208.71	8,698.7	-107.5	-58.9	-105.9	0.00	0.00	0.00
8,800.0	1.24	208.71	8,798.7	-109.4	-59.9	-107.8	0.00	0.00	0.00
8,900.0	1.24	208.71	8,898.6	-111.3	-61.0	-109.7	0.00	0.00	0.00
9,000.0	1.24	208.71	8,998.6	-113.2	-62.0	-111.5	0.00	0.00	0.00
9,100.0	1.24	208.71	9,098.6	-115.1	-63.0	-113.4	0.00	0.00	0.00
9,200.0	1.24	208.71	9,198.6	-117.0	-64.1	-115.3	0.00	0.00	0.00
9,300.0	1.24	208.71	9,298.5	-118.9	-65.1	-117.2	0.00	0.00	0.00
9,400.0	1.24	208.71	9,398.5	-120.8	-66.2	-119.0	0.00	0.00	0.00
9,500.0	1.24	208.71	9,498.5	-122.7	-67.2	-120.9	0.00	0.00	0.00
9,600.0	1.24	208.71	9,598.5	-124.6	-68.2	-122.8	0.00	0.00	0.00
9,700.0	1.24	208.71	9,698.4	-126.5	-69.3	-124.6	0.00	0.00	0.00
9,800.0	1.24	208.71	9,798.4	-128.4	-70.3	-126.5	0.00	0.00	0.00
9,900.0	1.24	208.71	9,898.4	-130.3	-71.3	-128.4	0.00	0.00	0.00
10,000.0	1.24	208.71	9,998.4	-132.2	-72.4	-130.2	0.00	0.00	0.00
10,100.0	1.24	208.71	10,098.3	-134.1	-73.4	-132.1	0.00	0.00	0.00
10,200.0	1.24	208.71	10,198.3	-136.0	-74.5	-134.0	0.00	0.00	0.00
10,300.0	1.24	208.71	10,298.3	-137.9	-75.5	-135.8	0.00	0.00	0.00
10,400.0	1.24	208.71	10,398.3	-139.8	-76.5	-137.7	0.00	0.00	0.00
10,500.0	1.24	208.71	10,498.3	-141.7	-77.6	-139.6	0.00	0.00	0.00
10,600.0	1.24	208.71	10,598.2	-143.6	-78.6	-141.5	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Red Raider 25 State Corn
 Well: #702H
 Wellbore: OH
 Design: Plan #0.2

Local Co-ordinate Reference: Well #702H
 TVD Reference: KB = 25 @ 3529.0usft
 MD Reference: KB = 25 @ 3529.0usft
 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	1.24	208.71	10,698.2	-145.5	-79.7	-143.3	0.00	0.00	0.00
10,800.0	1.24	208.71	10,798.2	-147.4	-80.7	-145.2	0.00	0.00	0.00
10,900.0	1.24	208.71	10,898.2	-149.2	-81.7	-147.1	0.00	0.00	0.00
11,000.0	1.24	208.71	10,998.1	-151.1	-82.8	-148.9	0.00	0.00	0.00
11,100.0	1.24	208.71	11,098.1	-153.0	-83.8	-150.8	0.00	0.00	0.00
11,200.0	1.24	208.71	11,198.1	-154.9	-84.8	-152.7	0.00	0.00	0.00
11,300.0	1.24	208.71	11,298.1	-156.8	-85.9	-154.5	0.00	0.00	0.00
11,400.0	1.24	208.71	11,398.0	-158.7	-86.9	-156.4	0.00	0.00	0.00
11,500.0	1.24	208.71	11,498.0	-160.6	-88.0	-158.3	0.00	0.00	0.00
11,600.0	1.24	208.71	11,598.0	-162.5	-89.0	-160.1	0.00	0.00	0.00
11,700.0	1.24	208.71	11,698.0	-164.4	-90.0	-162.0	0.00	0.00	0.00
11,800.0	1.24	208.71	11,798.0	-166.3	-91.1	-163.9	0.00	0.00	0.00
11,857.6	1.24	208.71	11,855.6	-167.4	-91.7	-165.0	0.00	0.00	0.00
11,900.0	0.39	208.71	11,897.9	-167.9	-92.0	-165.5	2.00	-2.00	0.00
11,919.6	0.00	0.00	11,917.5	-168.0	-92.0	-165.5	2.00	-2.00	0.00
KOP(RR 25 St Corn #702H)									
11,925.0	0.65	359.58	11,922.9	-168.0	-92.0	-165.5	12.00	12.00	0.00
11,950.0	3.65	359.58	11,947.9	-167.0	-92.0	-164.6	12.00	12.00	0.00
11,975.0	6.65	359.58	11,972.8	-164.8	-92.0	-162.3	12.00	12.00	0.00
12,000.0	9.65	359.58	11,997.6	-161.2	-92.1	-158.8	12.00	12.00	0.00
12,025.0	12.65	359.58	12,022.1	-156.4	-92.1	-153.9	12.00	12.00	0.00
12,050.0	15.65	359.58	12,046.3	-150.3	-92.1	-147.8	12.00	12.00	0.00
12,075.0	18.65	359.58	12,070.2	-142.9	-92.2	-140.5	12.00	12.00	0.00
12,100.0	21.65	359.58	12,093.7	-134.3	-92.2	-131.8	12.00	12.00	0.00
12,125.0	24.65	359.58	12,116.7	-124.5	-92.3	-122.0	12.00	12.00	0.00
12,150.0	27.65	359.58	12,139.1	-113.5	-92.4	-111.0	12.00	12.00	0.00
12,175.0	30.65	359.58	12,160.9	-101.3	-92.5	-98.8	12.00	12.00	0.00
12,200.0	33.65	359.58	12,182.1	-88.0	-92.6	-85.5	12.00	12.00	0.00
12,225.0	36.65	359.58	12,202.5	-73.6	-92.7	-71.1	12.00	12.00	0.00
12,250.0	39.65	359.58	12,222.2	-58.2	-92.8	-55.7	12.00	12.00	0.00
12,275.0	42.65	359.58	12,241.0	-41.7	-92.9	-39.3	12.00	12.00	0.00
12,300.0	45.65	359.58	12,258.9	-24.3	-93.1	-21.8	12.00	12.00	0.00
12,323.8	48.51	359.58	12,275.2	-6.8	-93.2	-4.4	12.00	12.00	0.00
FTP(RR 25 St Corn #702H)									
12,325.0	48.65	359.58	12,275.9	-6.0	-93.2	-3.5	12.00	12.00	0.00
12,350.0	51.65	359.58	12,292.0	13.2	-93.3	15.7	12.00	12.00	0.00
12,375.0	54.65	359.58	12,306.9	33.2	-93.5	35.7	12.00	12.00	0.00
12,400.0	57.65	359.58	12,320.9	54.0	-93.6	56.4	12.00	12.00	0.00
12,425.0	60.65	359.58	12,333.7	75.4	-93.8	77.9	12.00	12.00	0.00
12,450.0	63.65	359.58	12,345.4	97.5	-94.0	100.0	12.00	12.00	0.00
12,475.0	66.65	359.58	12,355.9	120.2	-94.1	122.7	12.00	12.00	0.00
12,500.0	69.65	359.58	12,365.2	143.4	-94.3	145.9	12.00	12.00	0.00
12,525.0	72.65	359.58	12,373.2	167.1	-94.5	169.5	12.00	12.00	0.00
12,550.0	75.65	359.58	12,380.1	191.1	-94.7	193.5	12.00	12.00	0.00
12,575.0	78.65	359.58	12,385.6	215.5	-94.8	217.9	12.00	12.00	0.00
12,600.0	81.65	359.58	12,389.9	240.1	-95.0	242.5	12.00	12.00	0.00
12,625.0	84.65	359.58	12,392.9	265.0	-95.2	267.4	12.00	12.00	0.00
12,650.0	87.65	359.58	12,394.6	289.9	-95.4	292.3	12.00	12.00	0.00
12,669.6	90.00	359.58	12,395.0	309.4	-95.5	311.8	12.00	12.00	0.00
12,700.0	90.00	359.58	12,395.0	339.9	-95.8	342.3	0.00	0.00	0.00
12,800.0	90.00	359.58	12,395.0	439.9	-96.5	442.3	0.00	0.00	0.00
12,900.0	90.00	359.58	12,395.0	539.9	-97.2	542.2	0.00	0.00	0.00
13,000.0	90.00	359.58	12,395.0	639.9	-98.0	642.2	0.00	0.00	0.00
13,100.0	90.00	359.58	12,395.0	739.9	-98.7	742.2	0.00	0.00	0.00



Planning Report

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Project: Lea County, NM (NAD 83 NME)
Site: Red Raider 25 State Com
Well: #702H
Wellbore: OH
Design: Plan #0.2

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

Well #702H
 KB = 25 @ 3529.0usft
 KB = 25 @ 3529.0usft
 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)
13,200.0	90.00	359.58	12,395.0	839.9	-99.5	842.2	0.00	0.00	0.00
13,300.0	90.00	359.58	12,395.0	939.9	-100.2	942.2	0.00	0.00	0.00
13,400.0	90.00	359.58	12,395.0	1,039.9	-101.0	1,042.2	0.00	0.00	0.00
13,500.0	90.00	359.58	12,395.0	1,139.9	-101.7	1,142.1	0.00	0.00	0.00
13,600.0	90.00	359.58	12,395.0	1,239.9	-102.4	1,242.1	0.00	0.00	0.00
13,700.0	90.00	359.58	12,395.0	1,339.9	-103.2	1,342.1	0.00	0.00	0.00
13,800.0	90.00	359.58	12,395.0	1,439.9	-103.9	1,442.1	0.00	0.00	0.00
13,900.0	90.00	359.58	12,395.0	1,539.9	-104.7	1,542.1	0.00	0.00	0.00
14,000.0	90.00	359.58	12,395.0	1,639.8	-105.4	1,642.0	0.00	0.00	0.00
14,100.0	90.00	359.58	12,395.0	1,739.8	-106.1	1,742.0	0.00	0.00	0.00
14,200.0	90.00	359.58	12,395.0	1,839.8	-106.9	1,842.0	0.00	0.00	0.00
14,300.0	90.00	359.58	12,395.0	1,939.8	-107.6	1,942.0	0.00	0.00	0.00
14,400.0	90.00	359.58	12,395.0	2,039.8	-108.4	2,042.0	0.00	0.00	0.00
14,500.0	90.00	359.58	12,395.0	2,139.8	-109.1	2,142.0	0.00	0.00	0.00
14,600.0	90.00	359.58	12,395.0	2,239.8	-109.8	2,241.9	0.00	0.00	0.00
14,700.0	90.00	359.58	12,395.0	2,339.8	-110.6	2,341.9	0.00	0.00	0.00
14,800.0	90.00	359.58	12,395.0	2,439.8	-111.3	2,441.9	0.00	0.00	0.00
14,900.0	90.00	359.58	12,395.0	2,539.8	-112.1	2,541.9	0.00	0.00	0.00
15,000.0	90.00	359.58	12,395.0	2,639.8	-112.8	2,641.9	0.00	0.00	0.00
15,100.0	90.00	359.58	12,395.0	2,739.8	-113.5	2,741.9	0.00	0.00	0.00
15,200.0	90.00	359.58	12,395.0	2,839.8	-114.3	2,841.8	0.00	0.00	0.00
15,300.0	90.00	359.58	12,395.0	2,939.8	-115.0	2,941.8	0.00	0.00	0.00
15,400.0	90.00	359.58	12,395.0	3,039.8	-115.8	3,041.8	0.00	0.00	0.00
15,500.0	90.00	359.58	12,395.0	3,139.8	-116.5	3,141.8	0.00	0.00	0.00
15,600.0	90.00	359.58	12,395.0	3,239.8	-117.3	3,241.8	0.00	0.00	0.00
15,700.0	90.00	359.58	12,395.0	3,339.8	-118.0	3,341.7	0.00	0.00	0.00
15,800.0	90.00	359.58	12,395.0	3,439.8	-118.7	3,441.7	0.00	0.00	0.00
15,900.0	90.00	359.58	12,395.0	3,539.8	-119.5	3,541.7	0.00	0.00	0.00
16,000.0	90.00	359.58	12,395.0	3,639.8	-120.2	3,641.7	0.00	0.00	0.00
16,100.0	90.00	359.58	12,395.0	3,739.8	-121.0	3,741.7	0.00	0.00	0.00
16,200.0	90.00	359.58	12,395.0	3,839.8	-121.7	3,841.7	0.00	0.00	0.00
16,300.0	90.00	359.58	12,395.0	3,939.8	-122.4	3,941.6	0.00	0.00	0.00
16,400.0	90.00	359.58	12,395.0	4,039.8	-123.2	4,041.6	0.00	0.00	0.00
16,500.0	90.00	359.58	12,395.0	4,139.8	-123.9	4,141.6	0.00	0.00	0.00
16,600.0	90.00	359.58	12,395.0	4,239.8	-124.7	4,241.6	0.00	0.00	0.00
16,700.0	90.00	359.58	12,395.0	4,339.8	-125.4	4,341.6	0.00	0.00	0.00
16,800.0	90.00	359.58	12,395.0	4,439.8	-126.1	4,441.6	0.00	0.00	0.00
16,900.0	90.00	359.58	12,395.0	4,539.8	-126.9	4,541.5	0.00	0.00	0.00
17,000.0	90.00	359.58	12,395.0	4,639.8	-127.6	4,641.5	0.00	0.00	0.00
17,100.0	90.00	359.58	12,395.0	4,739.8	-128.4	4,741.5	0.00	0.00	0.00
17,200.0	90.00	359.58	12,395.0	4,839.8	-129.1	4,841.5	0.00	0.00	0.00
17,300.0	90.00	359.58	12,395.0	4,939.8	-129.9	4,941.5	0.00	0.00	0.00
17,320.2	90.00	359.58	12,395.0	4,960.0	-130.0	4,961.7	0.00	0.00	0.00

PBHL(RR 25 St Com #702H)



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Red Raider 25 State Com
Well: #702H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #702H
TVD Reference: KB = 25 @ 3529.0usft
MD Reference: KB = 25 @ 3529.0usft
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
KOP(RR 25 St Com #70 - plan hits target center - Point	0.00	0.00	11,917.5	-168.0	-92.0	430,694.00	792,747.00	32° 10' 53.202 N	103° 31' 14.560 W
FTP(RR 25 St Com #70: - plan misses target center by 163.5usft at 12323.8usft MD (12275.2 TVD, -6.8 N, -93.2 E) - Point	0.00	0.00	12,395.0	-118.0	-92.0	430,744.00	792,747.00	32° 10' 53.697 N	103° 31' 14.556 W
PBHL(RR 25 St Com #7 - plan hits target center - Point	0.00	0.00	12,395.0	4,960.0	-130.0	435,822.00	792,709.00	32° 11' 43.947 N	103° 31' 14.552 W