



Lea County, NM (NAD 83 NME)

Red Raider 25 State Com #705H

Plan #0.1

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: #705H

KB = 25 @ 3548.0usR 3523.0
Northing 439817.00 Easting 791473.00 Latitude 32° 10' 55.504 N Longitude 103° 31' 29.376 W

Azimuths to Grid North
True North: -0.43°
Magnetic North: 8.37°
Magnetic Field
Strength: 47796.9enT
Dip Angle: 60.62°
Date: 08/29/18
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 8.37°
To convert a Magnetic Direction to a True Direction, Add 5.90° East
To convert a True Direction to a Grid Direction, Subtract 8.42°

SECTION DETAILS

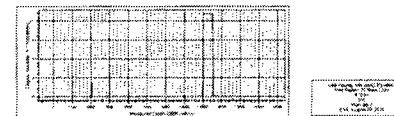
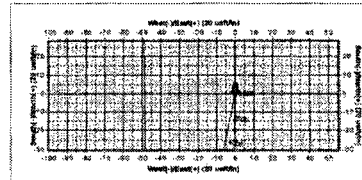
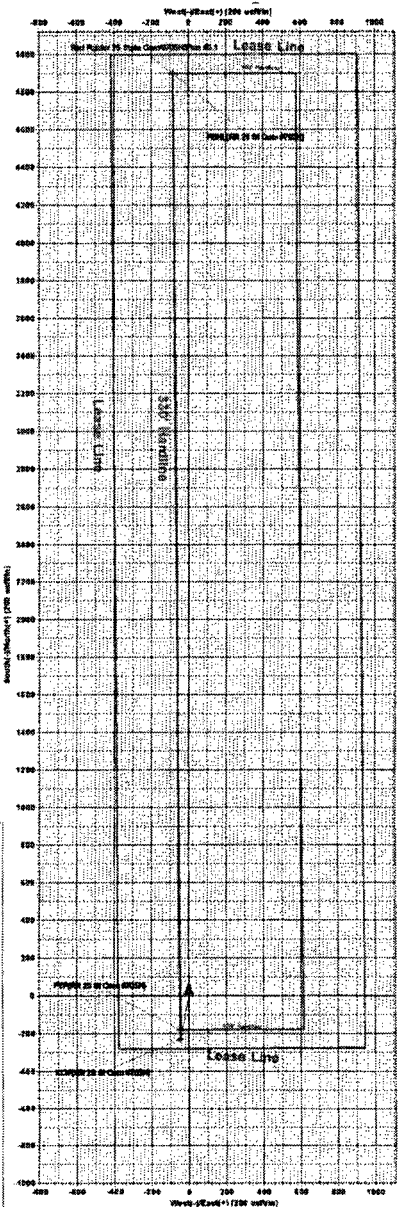
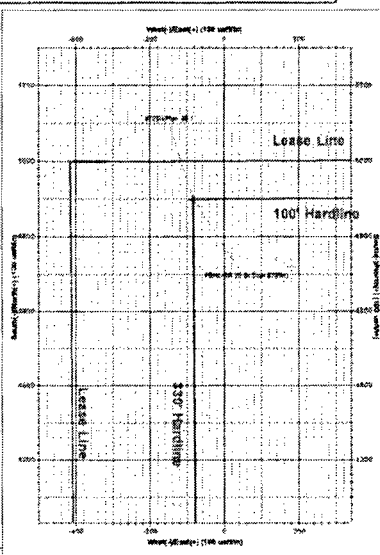
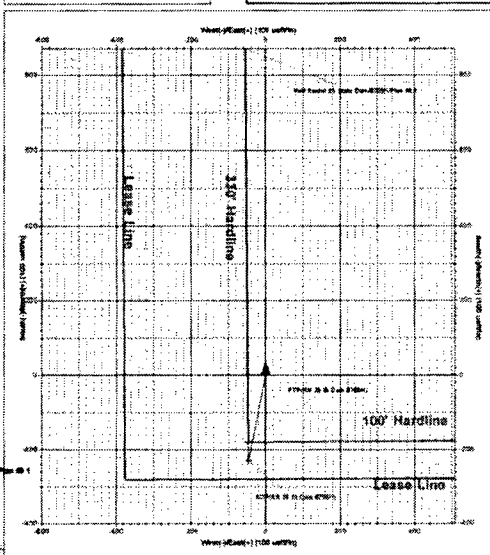
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Diag	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0	
3	3075.4	1.51	191.55	3075.4	-1.0	-0.2	2.00	191.55	-1.0	
4	11919.2	1.51	191.55	11919.1	-229.0	-48.8	0.00	0.00	-228.2	KOP(RR 25 St Com #705H)
5	11994.8	0.00	0.00	11994.3	-230.0	-47.0	2.00	180.00	-229.2	
6	12744.8	90.00	359.60	12469.0	247.4	50.4	12.00	359.00	248.3	
7	17395.2	90.00	359.60	12469.0	4898.0	-83.0	0.00	0.00	4898.7	PBHL(RR 25 St Com #705H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
KOP(RR 25 St Com #705H)	11991.5	-230.0	-47.0	439887.00	791428.00
FTTR(RR 25 St Com #705H)	12469.0	-180.0	-47.0	439731.00	791428.00
PBHL(RR 25 St Com #705H)	12469.0	4898.0	-83.0	439818.00	791388.00





HC

DD

AUG 09 2018

RECEIVED

EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Red Raider 25 State Com

#705H

OH

Plan: Plan #0.1

Standard Planning Report

09 August, 2018

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Red Raider 25 State Com
Well: #705H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #705H
TVD Reference: KB = 25 @ 3548.0usft
MD Reference: KB = 25 @ 3548.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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

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: #705H
Well Position: +N/-S 51.0 usft Northing: 430,917.00 usft Latitude: 32° 10' 55.504 N
+E/-W -1,400.0 usft Easting: 791,472.00 usft Longitude: 103° 31' 29.376 W
Position Uncertainty: 0.0 usft Wellhead Elevation: Ground Level: 3,523.0 usft

Wellbore: OH
Magnetics: Model Name Sample Date Declination (°) Dip Angle (°) Field Strength (nT)
 IGRF2015 8/8/2018 6.80 60.02 47,799.94701412

Design: Plan #0.1
Audit Notes:
Version: Phase: PLAN Tie On Depth: 0.0
Vertical Section: Depth From (TVD) +N/-S +E/-W Direction
 (usft) (usft) (usft) (°)
 0.0 0.0 0.0 359.03

Plan Survey Tool Program Date 8/9/2018

Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1 0.0	17,395.2	Plan #0.1 (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	
3,075.4	1.51	191.55	3,075.4	-1.0	-0.2	2.00	2.00	0.00	191.55	
11,919.2	1.51	191.55	11,916.1	-229.0	-46.8	0.00	0.00	0.00	0.00	
11,994.6	0.00	0.01	11,991.5	-230.0	-47.0	2.00	-2.00	0.00	180.00	KOP(RR 25 St Com #
12,744.6	90.00	359.60	12,469.0	247.4	-50.4	12.00	12.00	-0.05	359.60	
17,395.2	90.00	359.60	12,469.0	4,898.0	-83.0	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: #705H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #705H
TVD Reference: KB = 25 @ 3548.0usft
MD Reference: KB = 25 @ 3548.0usft
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
3,075.4	1.51	191.55	3,075.4	-1.0	-0.2	-1.0	2.00	2.00	0.00
3,100.0	1.51	191.55	3,100.0	-1.6	-0.3	-1.6	0.00	0.00	0.00
3,200.0	1.51	191.55	3,199.9	-4.2	-0.9	-4.2	0.00	0.00	0.00
3,300.0	1.51	191.55	3,299.9	-6.8	-1.4	-6.7	0.00	0.00	0.00
3,400.0	1.51	191.55	3,399.9	-9.3	-1.9	-9.3	0.00	0.00	0.00
3,500.0	1.51	191.55	3,499.8	-11.9	-2.4	-11.9	0.00	0.00	0.00
3,600.0	1.51	191.55	3,599.8	-14.5	-3.0	-14.4	0.00	0.00	0.00
3,700.0	1.51	191.55	3,699.8	-17.1	-3.5	-17.0	0.00	0.00	0.00
3,800.0	1.51	191.55	3,799.7	-19.7	-4.0	-19.6	0.00	0.00	0.00
3,900.0	1.51	191.55	3,899.7	-22.2	-4.5	-22.2	0.00	0.00	0.00
4,000.0	1.51	191.55	3,999.7	-24.8	-5.1	-24.7	0.00	0.00	0.00
4,100.0	1.51	191.55	4,099.6	-27.4	-5.6	-27.3	0.00	0.00	0.00
4,200.0	1.51	191.55	4,199.6	-30.0	-6.1	-29.9	0.00	0.00	0.00
4,300.0	1.51	191.55	4,299.6	-32.6	-6.7	-32.4	0.00	0.00	0.00
4,400.0	1.51	191.55	4,399.5	-35.1	-7.2	-35.0	0.00	0.00	0.00
4,500.0	1.51	191.55	4,499.5	-37.7	-7.7	-37.6	0.00	0.00	0.00
4,600.0	1.51	191.55	4,599.5	-40.3	-8.2	-40.1	0.00	0.00	0.00
4,700.0	1.51	191.55	4,699.4	-42.9	-8.8	-42.7	0.00	0.00	0.00
4,800.0	1.51	191.55	4,799.4	-45.4	-9.3	-45.3	0.00	0.00	0.00
4,900.0	1.51	191.55	4,899.4	-48.0	-9.8	-47.9	0.00	0.00	0.00
5,000.0	1.51	191.55	4,999.3	-50.6	-10.3	-50.4	0.00	0.00	0.00
5,100.0	1.51	191.55	5,099.3	-53.2	-10.9	-53.0	0.00	0.00	0.00
5,200.0	1.51	191.55	5,199.3	-55.8	-11.4	-55.6	0.00	0.00	0.00

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Red Raider 25 State Com
Well: #705H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #705H
TYD Reference: KB = 25 @ 3548.0usft
MD Reference: KB = 25 @ 3548.0usft
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	1.51	191.55	5,299.2	-58.3	-11.9	-58.1	0.00	0.00	0.00
5,400.0	1.51	191.55	5,399.2	-60.9	-12.4	-60.7	0.00	0.00	0.00
5,500.0	1.51	191.55	5,499.2	-63.5	-13.0	-63.3	0.00	0.00	0.00
5,600.0	1.51	191.55	5,599.1	-66.1	-13.5	-65.8	0.00	0.00	0.00
5,700.0	1.51	191.55	5,699.1	-68.7	-14.0	-68.4	0.00	0.00	0.00
5,800.0	1.51	191.55	5,799.0	-71.2	-14.6	-71.0	0.00	0.00	0.00
5,900.0	1.51	191.55	5,899.0	-73.8	-15.1	-73.5	0.00	0.00	0.00
6,000.0	1.51	191.55	5,999.0	-76.4	-15.6	-76.1	0.00	0.00	0.00
6,100.0	1.51	191.55	6,098.9	-79.0	-16.1	-78.7	0.00	0.00	0.00
6,200.0	1.51	191.55	6,198.9	-81.5	-16.7	-81.3	0.00	0.00	0.00
6,300.0	1.51	191.55	6,298.9	-84.1	-17.2	-83.8	0.00	0.00	0.00
6,400.0	1.51	191.55	6,398.8	-86.7	-17.7	-86.4	0.00	0.00	0.00
6,500.0	1.51	191.55	6,498.8	-89.3	-18.2	-89.0	0.00	0.00	0.00
6,600.0	1.51	191.55	6,598.8	-91.9	-18.8	-91.5	0.00	0.00	0.00
6,700.0	1.51	191.55	6,698.7	-94.4	-19.3	-94.1	0.00	0.00	0.00
6,800.0	1.51	191.55	6,798.7	-97.0	-19.8	-96.7	0.00	0.00	0.00
6,900.0	1.51	191.55	6,898.7	-99.6	-20.4	-99.2	0.00	0.00	0.00
7,000.0	1.51	191.55	6,998.6	-102.2	-20.9	-101.8	0.00	0.00	0.00
7,100.0	1.51	191.55	7,098.6	-104.8	-21.4	-104.4	0.00	0.00	0.00
7,200.0	1.51	191.55	7,198.6	-107.3	-21.9	-106.9	0.00	0.00	0.00
7,300.0	1.51	191.55	7,298.5	-109.9	-22.5	-109.5	0.00	0.00	0.00
7,400.0	1.51	191.55	7,398.5	-112.5	-23.0	-112.1	0.00	0.00	0.00
7,500.0	1.51	191.55	7,498.5	-115.1	-23.5	-114.7	0.00	0.00	0.00
7,600.0	1.51	191.55	7,598.4	-117.6	-24.0	-117.2	0.00	0.00	0.00
7,700.0	1.51	191.55	7,698.4	-120.2	-24.6	-119.8	0.00	0.00	0.00
7,800.0	1.51	191.55	7,798.4	-122.8	-25.1	-122.4	0.00	0.00	0.00
7,900.0	1.51	191.55	7,898.3	-125.4	-25.6	-124.9	0.00	0.00	0.00
8,000.0	1.51	191.55	7,998.3	-128.0	-26.1	-127.5	0.00	0.00	0.00
8,100.0	1.51	191.55	8,098.3	-130.5	-26.7	-130.1	0.00	0.00	0.00
8,200.0	1.51	191.55	8,198.2	-133.1	-27.2	-132.6	0.00	0.00	0.00
8,300.0	1.51	191.55	8,298.2	-135.7	-27.7	-135.2	0.00	0.00	0.00
8,400.0	1.51	191.55	8,398.1	-138.3	-28.3	-137.8	0.00	0.00	0.00
8,500.0	1.51	191.55	8,498.1	-140.9	-28.8	-140.3	0.00	0.00	0.00
8,600.0	1.51	191.55	8,598.1	-143.4	-29.3	-142.9	0.00	0.00	0.00
8,700.0	1.51	191.55	8,698.0	-146.0	-29.8	-145.5	0.00	0.00	0.00
8,800.0	1.51	191.55	8,798.0	-148.6	-30.4	-148.1	0.00	0.00	0.00
8,900.0	1.51	191.55	8,898.0	-151.2	-30.9	-150.6	0.00	0.00	0.00
9,000.0	1.51	191.55	8,997.9	-153.8	-31.4	-153.2	0.00	0.00	0.00
9,100.0	1.51	191.55	9,097.9	-156.3	-31.9	-155.8	0.00	0.00	0.00
9,200.0	1.51	191.55	9,197.9	-158.9	-32.5	-158.3	0.00	0.00	0.00
9,300.0	1.51	191.55	9,297.8	-161.5	-33.0	-160.9	0.00	0.00	0.00
9,400.0	1.51	191.55	9,397.8	-164.1	-33.5	-163.5	0.00	0.00	0.00
9,500.0	1.51	191.55	9,497.8	-166.6	-34.1	-166.0	0.00	0.00	0.00
9,600.0	1.51	191.55	9,597.7	-169.2	-34.6	-168.6	0.00	0.00	0.00
9,700.0	1.51	191.55	9,697.7	-171.8	-35.1	-171.2	0.00	0.00	0.00
9,800.0	1.51	191.55	9,797.7	-174.4	-35.6	-173.8	0.00	0.00	0.00
9,900.0	1.51	191.55	9,897.6	-177.0	-36.2	-176.3	0.00	0.00	0.00
10,000.0	1.51	191.55	9,997.6	-179.5	-36.7	-178.9	0.00	0.00	0.00
10,100.0	1.51	191.55	10,097.6	-182.1	-37.2	-181.5	0.00	0.00	0.00
10,200.0	1.51	191.55	10,197.5	-184.7	-37.7	-184.0	0.00	0.00	0.00
10,300.0	1.51	191.55	10,297.5	-187.3	-38.3	-186.6	0.00	0.00	0.00
10,400.0	1.51	191.55	10,397.5	-189.9	-38.8	-189.2	0.00	0.00	0.00
10,500.0	1.51	191.55	10,497.4	-192.4	-39.3	-191.7	0.00	0.00	0.00
10,600.0	1.51	191.55	10,597.4	-195.0	-39.8	-194.3	0.00	0.00	0.00

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Red Raider 25 State Com
Well: #705H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #705H
TVD Reference: KB = 25 @ 3548.0usft
MD Reference: KB = 25 @ 3548.0usft
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	1.51	191.55	10,697.3	-197.6	-40.4	-196.9	0.00	0.00	0.00
10,800.0	1.51	191.55	10,797.3	-200.2	-40.9	-199.4	0.00	0.00	0.00
10,900.0	1.51	191.55	10,897.3	-202.7	-41.4	-202.0	0.00	0.00	0.00
11,000.0	1.51	191.55	10,997.2	-205.3	-42.0	-204.6	0.00	0.00	0.00
11,100.0	1.51	191.55	11,097.2	-207.9	-42.5	-207.2	0.00	0.00	0.00
11,200.0	1.51	191.55	11,197.2	-210.5	-43.0	-209.7	0.00	0.00	0.00
11,300.0	1.51	191.55	11,297.1	-213.1	-43.5	-212.3	0.00	0.00	0.00
11,400.0	1.51	191.55	11,397.1	-215.6	-44.1	-214.9	0.00	0.00	0.00
11,500.0	1.51	191.55	11,497.1	-218.2	-44.6	-217.4	0.00	0.00	0.00
11,600.0	1.51	191.55	11,597.0	-220.8	-45.1	-220.0	0.00	0.00	0.00
11,700.0	1.51	191.55	11,697.0	-223.4	-45.6	-222.6	0.00	0.00	0.00
11,800.0	1.51	191.55	11,797.0	-226.0	-46.2	-225.1	0.00	0.00	0.00
11,900.0	1.51	191.55	11,896.9	-228.5	-46.7	-227.7	0.00	0.00	0.00
11,919.2	1.51	191.55	11,916.1	-229.0	-46.8	-228.2	0.00	0.00	0.00
11,994.6	0.00	0.01	11,991.5	-230.0	-47.0	-229.2	2.00	-2.00	0.00
KOP(RR 25 St Com #705H)									
12,000.0	0.65	359.60	11,996.9	-230.0	-47.0	-229.1	12.00	12.00	0.00
12,025.0	3.65	359.60	12,021.9	-229.0	-47.0	-228.2	12.00	12.00	0.00
12,050.0	6.65	359.60	12,046.8	-226.8	-47.0	-226.0	12.00	12.00	0.00
12,075.0	9.65	359.60	12,071.5	-223.2	-47.0	-222.4	12.00	12.00	0.00
12,100.0	12.65	359.60	12,096.1	-218.4	-47.1	-217.6	12.00	12.00	0.00
12,125.0	15.65	359.60	12,120.3	-212.3	-47.1	-211.5	12.00	12.00	0.00
12,150.0	18.65	359.60	12,144.2	-204.9	-47.2	-204.1	12.00	12.00	0.00
12,175.0	21.65	359.60	12,167.7	-196.3	-47.2	-195.5	12.00	12.00	0.00
12,200.0	24.65	359.60	12,190.6	-186.5	-47.3	-185.7	12.00	12.00	0.00
12,225.0	27.65	359.60	12,213.1	-175.5	-47.4	-174.6	12.00	12.00	0.00
12,250.0	30.65	359.60	12,234.9	-163.3	-47.5	-162.5	12.00	12.00	0.00
12,275.0	33.65	359.60	12,256.1	-150.0	-47.6	-149.2	12.00	12.00	0.00
12,300.0	36.65	359.60	12,276.5	-135.6	-47.7	-134.8	12.00	12.00	0.00
12,325.0	39.65	359.60	12,296.2	-120.2	-47.8	-119.3	12.00	12.00	0.00
12,350.0	42.65	359.60	12,315.0	-103.7	-47.9	-102.9	12.00	12.00	0.00
12,375.0	45.65	359.60	12,332.9	-86.3	-48.0	-85.5	12.00	12.00	0.00
12,398.8	48.51	359.60	12,349.2	-68.8	-48.1	-68.0	12.00	12.00	0.00
FTP(RR 25 St Com #705H)									
12,400.0	48.65	359.60	12,349.9	-68.0	-48.1	-67.2	12.00	12.00	0.00
12,425.0	51.65	359.60	12,365.9	-48.8	-48.3	-48.0	12.00	12.00	0.00
12,450.0	54.65	359.60	12,380.9	-28.8	-48.4	-28.0	12.00	12.00	0.00
12,475.0	57.65	359.60	12,394.9	-8.0	-48.6	-7.2	12.00	12.00	0.00
12,500.0	60.65	359.60	12,407.7	13.4	-48.7	14.3	12.00	12.00	0.00
12,525.0	63.65	359.60	12,419.4	35.5	-48.9	36.4	12.00	12.00	0.00
12,550.0	66.65	359.60	12,429.9	58.2	-49.0	59.0	12.00	12.00	0.00
12,575.0	69.65	359.60	12,439.2	81.4	-49.2	82.2	12.00	12.00	0.00
12,600.0	72.65	359.60	12,447.2	105.1	-49.4	105.9	12.00	12.00	0.00
12,625.0	75.65	359.60	12,454.1	129.1	-49.5	129.9	12.00	12.00	0.00
12,650.0	78.65	359.60	12,459.6	153.5	-49.7	154.3	12.00	12.00	0.00
12,675.0	81.65	359.60	12,463.9	178.1	-49.9	178.9	12.00	12.00	0.00
12,700.0	84.65	359.60	12,466.9	202.9	-50.0	203.8	12.00	12.00	0.00
12,725.0	87.65	359.60	12,468.6	227.9	-50.2	228.7	12.00	12.00	0.00
12,744.6	90.00	359.60	12,469.0	247.4	-50.4	248.3	12.00	12.00	0.00
12,800.0	90.00	359.60	12,469.0	302.9	-50.7	303.7	0.00	0.00	0.00
12,900.0	90.00	359.60	12,469.0	402.9	-51.4	403.7	0.00	0.00	0.00
13,000.0	90.00	359.60	12,469.0	502.9	-52.1	503.7	0.00	0.00	0.00
13,100.0	90.00	359.60	12,469.0	602.9	-52.8	603.7	0.00	0.00	0.00
13,200.0	90.00	359.60	12,469.0	702.9	-53.5	703.7	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 Com
 Well: #705H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Vwell #705H
 TVD Reference: KB = 25 @ 3548.0usft
 MD Reference: KB = 25 @ 3548.0usft
 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	359.60	12,469.0	802.9	-54.3	803.7	0.00	0.00	0.00
13,400.0	90.00	359.60	12,469.0	902.9	-55.0	903.7	0.00	0.00	0.00
13,500.0	90.00	359.60	12,469.0	1,002.9	-55.7	1,003.7	0.00	0.00	0.00
13,600.0	90.00	359.60	12,469.0	1,102.9	-56.4	1,103.6	0.00	0.00	0.00
13,700.0	90.00	359.60	12,469.0	1,202.8	-57.1	1,203.6	0.00	0.00	0.00
13,800.0	90.00	359.60	12,469.0	1,302.8	-57.8	1,303.6	0.00	0.00	0.00
13,900.0	90.00	359.60	12,469.0	1,402.8	-58.5	1,403.6	0.00	0.00	0.00
14,000.0	90.00	359.60	12,469.0	1,502.8	-59.2	1,503.6	0.00	0.00	0.00
14,100.0	90.00	359.60	12,469.0	1,602.8	-59.9	1,603.6	0.00	0.00	0.00
14,200.0	90.00	359.60	12,469.0	1,702.8	-60.6	1,703.6	0.00	0.00	0.00
14,300.0	90.00	359.60	12,469.0	1,802.8	-61.3	1,803.6	0.00	0.00	0.00
14,400.0	90.00	359.60	12,469.0	1,902.8	-62.0	1,903.6	0.00	0.00	0.00
14,500.0	90.00	359.60	12,469.0	2,002.8	-62.7	2,003.6	0.00	0.00	0.00
14,600.0	90.00	359.60	12,469.0	2,102.8	-63.4	2,103.6	0.00	0.00	0.00
14,700.0	90.00	359.60	12,469.0	2,202.8	-64.1	2,203.6	0.00	0.00	0.00
14,800.0	90.00	359.60	12,469.0	2,302.8	-64.8	2,303.6	0.00	0.00	0.00
14,900.0	90.00	359.60	12,469.0	2,402.8	-65.5	2,403.6	0.00	0.00	0.00
15,000.0	90.00	359.60	12,469.0	2,502.8	-66.2	2,503.6	0.00	0.00	0.00
15,100.0	90.00	359.60	12,469.0	2,602.8	-66.9	2,603.6	0.00	0.00	0.00
15,200.0	90.00	359.60	12,469.0	2,702.8	-67.6	2,703.6	0.00	0.00	0.00
15,300.0	90.00	359.60	12,469.0	2,802.8	-68.3	2,803.6	0.00	0.00	0.00
15,400.0	90.00	359.60	12,469.0	2,902.8	-69.0	2,903.6	0.00	0.00	0.00
15,500.0	90.00	359.60	12,469.0	3,002.8	-69.7	3,003.6	0.00	0.00	0.00
15,600.0	90.00	359.60	12,469.0	3,102.8	-70.4	3,103.5	0.00	0.00	0.00
15,700.0	90.00	359.60	12,469.0	3,202.8	-71.1	3,203.5	0.00	0.00	0.00
15,800.0	90.00	359.60	12,469.0	3,302.8	-71.8	3,303.5	0.00	0.00	0.00
15,900.0	90.00	359.60	12,469.0	3,402.8	-72.5	3,403.5	0.00	0.00	0.00
16,000.0	90.00	359.60	12,469.0	3,502.8	-73.2	3,503.5	0.00	0.00	0.00
16,100.0	90.00	359.60	12,469.0	3,602.8	-73.9	3,603.5	0.00	0.00	0.00
16,200.0	90.00	359.60	12,469.0	3,702.8	-74.6	3,703.5	0.00	0.00	0.00
16,300.0	90.00	359.60	12,469.0	3,802.8	-75.3	3,803.5	0.00	0.00	0.00
16,400.0	90.00	359.60	12,469.0	3,902.8	-76.0	3,903.5	0.00	0.00	0.00
16,500.0	90.00	359.60	12,469.0	4,002.8	-76.7	4,003.5	0.00	0.00	0.00
16,600.0	90.00	359.60	12,469.0	4,102.8	-77.4	4,103.5	0.00	0.00	0.00
16,700.0	90.00	359.60	12,469.0	4,202.8	-78.1	4,203.5	0.00	0.00	0.00
16,800.0	90.00	359.60	12,469.0	4,302.8	-78.8	4,303.5	0.00	0.00	0.00
16,900.0	90.00	359.60	12,469.0	4,402.8	-79.5	4,403.5	0.00	0.00	0.00
17,000.0	90.00	359.60	12,469.0	4,502.8	-80.2	4,503.5	0.00	0.00	0.00
17,100.0	90.00	359.60	12,469.0	4,602.8	-80.9	4,603.5	0.00	0.00	0.00
17,200.0	90.00	359.60	12,469.0	4,702.8	-81.6	4,703.5	0.00	0.00	0.00
17,300.0	90.00	359.60	12,469.0	4,802.8	-82.3	4,803.5	0.00	0.00	0.00
17,395.2	90.00	359.60	12,469.0	4,898.0	-83.0	4,898.7	0.00	0.00	0.00

PBHL(RR 25 St Com #705H)



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Red Raider 25 State Com
Well: #705H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #705H
TVD Reference: KB = 25 @ 3548.0usft
MD Reference: KB = 25 @ 3548.0usft
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	0.01	11,991.5	-230.0	-47.0	430,687.00	791,425.00	32° 10' 53.232 N	103° 31' 29.943 W
PBHL(RR 25 St Com #7 - plan hits target center - Point	0.00	0.00	12,469.0	4,898.0	-83.0	435,815.00	791,389.00	32° 11' 43.977 N	103° 31' 29.913 W
FTP(RR 25 St Com #70! - plan misses target center by 163.5usft at 12398.8usft MD (12349.2 TVD, -68.8 N, -48.1 E) - Point	0.00	0.01	12,469.0	-180.0	-47.0	430,737.00	791,425.00	32° 10' 53.726 N	103° 31' 29.938 W