

HOBBS OCD
FEB 09 2018
RECEIVED



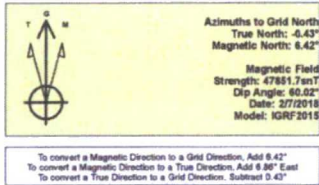
Lea County, NM (NAD 83 NME)
Red Raider 25 State Com #701H
Plan #0.1

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GR8 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #701H

KB = 25 @ 3529.0usR 3504.0
Northing 430896.00 Easting 792872.00 Longitude 32° 10' 54.895 N 103° 31' 13.091 W



SECTION DETAILS

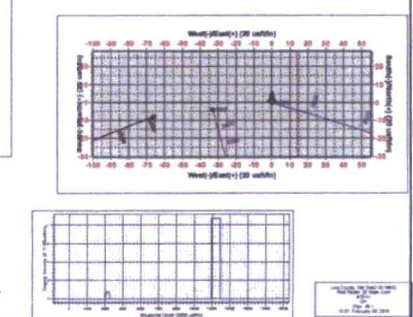
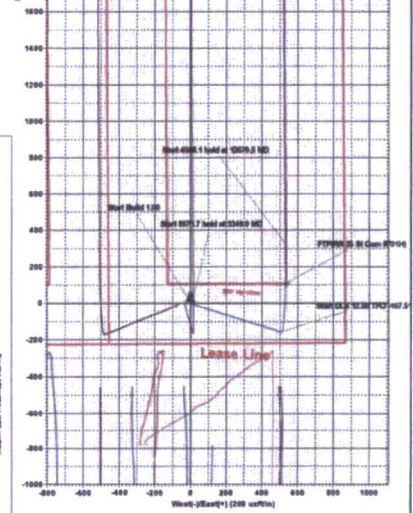
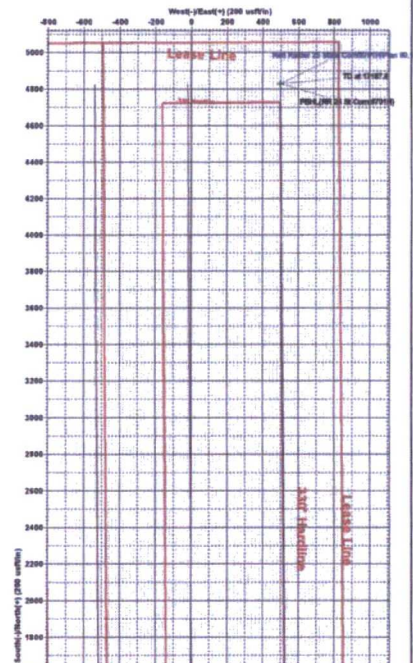
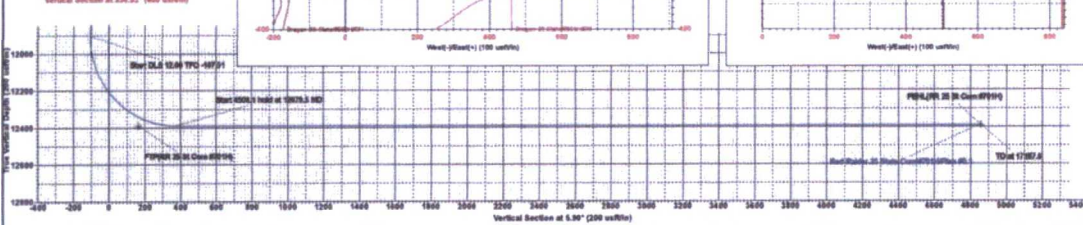
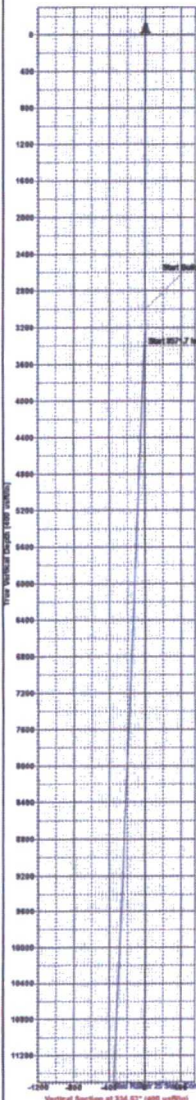
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dieg	TFace	VSecl	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0	
3	3349.0	3.49	107.11	3348.7	-3.1	10.2	1.00	107.11	-2.1	
4	11920.7	3.49	107.11	11904.6	-156.6	508.8	0.00	0.00	-103.5	
5	12679.5	90.00	359.56	12390.0	321.0	533.4	12.00	-107.51	374.1	
6	17187.6	90.00	359.56	12390.0	4829.0	499.0	0.00	0.00	4854.7	PBHL(RR 25 St Com #701H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP(RR 25 St Com #701H)	12390.0	111.0	535.0	430877.00	793407.00
PBHL(RR 25 St Com #701H)	12390.0	4829.0	499.0	430896.00	793371.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Red Raider 25 State Com

#701H

OH

Plan: Plan #0.1

Standard Planning Report

08 February, 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: #701H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #701H
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	#701H					
Well Position	+N/-S	0.0 usft	Northing:	430,866.00 usft	Latitude:	32° 10' 54.895 N
	+E/-W	0.0 usft	Easting:	792,872.00 usft	Longitude:	103° 31' 13.091 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
	IGRF2015	2/7/2018	(°)	(°)	(nT)
			6.86	60.02	47,851.73084595

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	5.90

Plan Survey Tool Program	Date 2/8/2018			
Depth From	Depth To	Survey (Wellbore)	Tool Name	Remarks
(usft)	(usft)			
1	0.0	17,187.6 Plan #0.1 (OH)	MWD	
			MWD - Standard	

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
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	
3,349.0	3.49	107.11	3,348.7	-3.1	10.2	1.00	1.00	0.00	107.11	
11,920.7	3.49	107.11	11,904.6	-156.6	508.8	0.00	0.00	0.00	0.00	
12,679.5	90.00	359.56	12,390.0	321.0	533.4	12.00	11.40	-14.17	-107.51	
17,187.6	90.00	359.56	12,390.0	4,829.0	499.0	0.00	0.00	0.00	0.00	PBHL(RR 25 St Com



Planning Report

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Site: Red Raider 25 State Com
Well: #701H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #701H
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
3,100.0	1.00	107.11	3,100.0	-0.3	0.8	-0.2	1.00	1.00	0.00
3,200.0	2.00	107.11	3,200.0	-1.0	3.3	-0.7	1.00	1.00	0.00
3,300.0	3.00	107.11	3,299.9	-2.3	7.5	-1.5	1.00	1.00	0.00
3,349.0	3.49	107.11	3,348.7	-3.1	10.2	-2.1	1.00	1.00	0.00
3,400.0	3.49	107.11	3,399.7	-4.0	13.1	-2.7	0.00	0.00	0.00
3,500.0	3.49	107.11	3,499.5	-5.8	18.9	-3.9	0.00	0.00	0.00
3,600.0	3.49	107.11	3,599.3	-7.6	24.8	-5.0	0.00	0.00	0.00
3,700.0	3.49	107.11	3,699.1	-9.4	30.6	-6.2	0.00	0.00	0.00
3,800.0	3.49	107.11	3,798.9	-11.2	36.4	-7.4	0.00	0.00	0.00
3,900.0	3.49	107.11	3,898.8	-13.0	42.2	-8.6	0.00	0.00	0.00
4,000.0	3.49	107.11	3,998.6	-14.8	48.0	-9.8	0.00	0.00	0.00
4,100.0	3.49	107.11	4,098.4	-16.6	53.8	-10.9	0.00	0.00	0.00
4,200.0	3.49	107.11	4,198.2	-18.4	59.7	-12.1	0.00	0.00	0.00
4,300.0	3.49	107.11	4,298.0	-20.2	65.5	-13.3	0.00	0.00	0.00
4,400.0	3.49	107.11	4,397.8	-21.9	71.3	-14.5	0.00	0.00	0.00
4,500.0	3.49	107.11	4,497.6	-23.7	77.1	-15.7	0.00	0.00	0.00
4,600.0	3.49	107.11	4,597.5	-25.5	82.9	-16.9	0.00	0.00	0.00
4,700.0	3.49	107.11	4,697.3	-27.3	88.8	-18.0	0.00	0.00	0.00
4,800.0	3.49	107.11	4,797.1	-29.1	94.6	-19.2	0.00	0.00	0.00
4,900.0	3.49	107.11	4,896.9	-30.9	100.4	-20.4	0.00	0.00	0.00
5,000.0	3.49	107.11	4,996.7	-32.7	106.2	-21.6	0.00	0.00	0.00
5,100.0	3.49	107.11	5,096.5	-34.5	112.0	-22.8	0.00	0.00	0.00
5,200.0	3.49	107.11	5,196.4	-36.3	117.8	-24.0	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: #701H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #701H
 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	3.49	107.11	5,296.2	-38.1	123.7	-25.1	0.00	0.00	0.00
5,400.0	3.49	107.11	5,396.0	-39.8	129.5	-26.3	0.00	0.00	0.00
5,500.0	3.49	107.11	5,495.8	-41.6	135.3	-27.5	0.00	0.00	0.00
5,600.0	3.49	107.11	5,595.6	-43.4	141.1	-28.7	0.00	0.00	0.00
5,700.0	3.49	107.11	5,695.4	-45.2	146.9	-29.9	0.00	0.00	0.00
5,800.0	3.49	107.11	5,795.2	-47.0	152.7	-31.1	0.00	0.00	0.00
5,900.0	3.49	107.11	5,895.1	-48.8	158.6	-32.2	0.00	0.00	0.00
6,000.0	3.49	107.11	5,994.9	-50.6	164.4	-33.4	0.00	0.00	0.00
6,100.0	3.49	107.11	6,094.7	-52.4	170.2	-34.6	0.00	0.00	0.00
6,200.0	3.49	107.11	6,194.5	-54.2	176.0	-35.8	0.00	0.00	0.00
6,300.0	3.49	107.11	6,294.3	-56.0	181.8	-37.0	0.00	0.00	0.00
6,400.0	3.49	107.11	6,394.1	-57.8	187.6	-38.2	0.00	0.00	0.00
6,500.0	3.49	107.11	6,493.9	-59.5	193.5	-39.3	0.00	0.00	0.00
6,600.0	3.49	107.11	6,593.8	-61.3	199.3	-40.5	0.00	0.00	0.00
6,700.0	3.49	107.11	6,693.6	-63.1	205.1	-41.7	0.00	0.00	0.00
6,800.0	3.49	107.11	6,793.4	-64.9	210.9	-42.9	0.00	0.00	0.00
6,900.0	3.49	107.11	6,893.2	-66.7	216.7	-44.1	0.00	0.00	0.00
7,000.0	3.49	107.11	6,993.0	-68.5	222.6	-45.3	0.00	0.00	0.00
7,100.0	3.49	107.11	7,092.8	-70.3	228.4	-46.4	0.00	0.00	0.00
7,200.0	3.49	107.11	7,192.6	-72.1	234.2	-47.6	0.00	0.00	0.00
7,300.0	3.49	107.11	7,292.5	-73.9	240.0	-48.8	0.00	0.00	0.00
7,400.0	3.49	107.11	7,392.3	-75.7	245.8	-50.0	0.00	0.00	0.00
7,500.0	3.49	107.11	7,492.1	-77.4	251.6	-51.2	0.00	0.00	0.00
7,600.0	3.49	107.11	7,591.9	-79.2	257.5	-52.4	0.00	0.00	0.00
7,700.0	3.49	107.11	7,691.7	-81.0	263.3	-53.5	0.00	0.00	0.00
7,800.0	3.49	107.11	7,791.5	-82.8	269.1	-54.7	0.00	0.00	0.00
7,900.0	3.49	107.11	7,891.3	-84.6	274.9	-55.9	0.00	0.00	0.00
8,000.0	3.49	107.11	7,991.2	-86.4	280.7	-57.1	0.00	0.00	0.00
8,100.0	3.49	107.11	8,091.0	-88.2	286.5	-58.3	0.00	0.00	0.00
8,200.0	3.49	107.11	8,190.8	-90.0	292.4	-59.5	0.00	0.00	0.00
8,300.0	3.49	107.11	8,290.6	-91.8	298.2	-60.6	0.00	0.00	0.00
8,400.0	3.49	107.11	8,390.4	-93.6	304.0	-61.8	0.00	0.00	0.00
8,500.0	3.49	107.11	8,490.2	-95.4	309.8	-63.0	0.00	0.00	0.00
8,600.0	3.49	107.11	8,590.0	-97.1	315.6	-64.2	0.00	0.00	0.00
8,700.0	3.49	107.11	8,689.9	-98.9	321.5	-65.4	0.00	0.00	0.00
8,800.0	3.49	107.11	8,789.7	-100.7	327.3	-66.6	0.00	0.00	0.00
8,900.0	3.49	107.11	8,889.5	-102.5	333.1	-67.7	0.00	0.00	0.00
9,000.0	3.49	107.11	8,989.3	-104.3	338.9	-68.9	0.00	0.00	0.00
9,100.0	3.49	107.11	9,089.1	-106.1	344.7	-70.1	0.00	0.00	0.00
9,200.0	3.49	107.11	9,188.9	-107.9	350.5	-71.3	0.00	0.00	0.00
9,300.0	3.49	107.11	9,288.7	-109.7	356.4	-72.5	0.00	0.00	0.00
9,400.0	3.49	107.11	9,388.6	-111.5	362.2	-73.7	0.00	0.00	0.00
9,500.0	3.49	107.11	9,488.4	-113.3	368.0	-74.8	0.00	0.00	0.00
9,600.0	3.49	107.11	9,588.2	-115.0	373.8	-76.0	0.00	0.00	0.00
9,700.0	3.49	107.11	9,688.0	-116.8	379.6	-77.2	0.00	0.00	0.00
9,800.0	3.49	107.11	9,787.8	-118.6	385.4	-78.4	0.00	0.00	0.00
9,900.0	3.49	107.11	9,887.6	-120.4	391.3	-79.6	0.00	0.00	0.00
10,000.0	3.49	107.11	9,987.5	-122.2	397.1	-80.7	0.00	0.00	0.00
10,100.0	3.49	107.11	10,087.3	-124.0	402.9	-81.9	0.00	0.00	0.00
10,200.0	3.49	107.11	10,187.1	-125.8	408.7	-83.1	0.00	0.00	0.00
10,300.0	3.49	107.11	10,286.9	-127.6	414.5	-84.3	0.00	0.00	0.00
10,400.0	3.49	107.11	10,386.7	-129.4	420.3	-85.5	0.00	0.00	0.00
10,500.0	3.49	107.11	10,486.5	-131.2	426.2	-86.7	0.00	0.00	0.00
10,600.0	3.49	107.11	10,586.3	-133.0	432.0	-87.8	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)
10,700.0	3.49	107.11	10,686.2	-134.7	437.8	-89.0	0.00	0.00	0.00
10,800.0	3.49	107.11	10,786.0	-136.5	443.6	-90.2	0.00	0.00	0.00
10,900.0	3.49	107.11	10,885.8	-138.3	449.4	-91.4	0.00	0.00	0.00
11,000.0	3.49	107.11	10,985.6	-140.1	455.3	-92.6	0.00	0.00	0.00
11,100.0	3.49	107.11	11,085.4	-141.9	461.1	-93.8	0.00	0.00	0.00
11,200.0	3.49	107.11	11,185.2	-143.7	466.9	-94.9	0.00	0.00	0.00
11,300.0	3.49	107.11	11,285.0	-145.5	472.7	-96.1	0.00	0.00	0.00
11,400.0	3.49	107.11	11,384.9	-147.3	478.5	-97.3	0.00	0.00	0.00
11,500.0	3.49	107.11	11,484.7	-149.1	484.3	-98.5	0.00	0.00	0.00
11,600.0	3.49	107.11	11,584.5	-150.9	490.2	-99.7	0.00	0.00	0.00
11,700.0	3.49	107.11	11,684.3	-152.6	496.0	-100.9	0.00	0.00	0.00
11,800.0	3.49	107.11	11,784.1	-154.4	501.8	-102.0	0.00	0.00	0.00
11,900.0	3.49	107.11	11,883.9	-156.2	507.6	-103.2	0.00	0.00	0.00
11,920.7	3.49	107.11	11,904.6	-156.6	508.8	-103.5	0.00	0.00	0.00
11,925.0	3.37	98.71	11,908.9	-156.7	509.1	-103.5	12.00	-2.77	-195.34
11,950.0	4.14	53.01	11,933.8	-156.2	510.5	-102.9	12.00	3.08	-182.82
11,975.0	6.40	30.81	11,958.7	-154.5	511.9	-101.0	12.00	9.02	-88.79
12,000.0	9.09	20.87	11,983.5	-151.4	513.4	-97.9	12.00	10.78	-39.76
12,025.0	11.93	15.54	12,008.1	-147.1	514.8	-93.4	12.00	11.36	-21.35
12,050.0	14.83	12.24	12,032.4	-141.5	516.1	-87.7	12.00	11.61	-13.16
12,075.0	17.77	10.02	12,056.4	-134.6	517.5	-80.7	12.00	11.74	-8.91
12,100.0	20.72	8.40	12,080.0	-126.5	518.8	-72.5	12.00	11.81	-6.45
12,125.0	23.69	7.18	12,103.1	-117.1	520.1	-63.0	12.00	11.86	-4.90
12,150.0	26.66	6.21	12,125.8	-106.6	521.3	-52.4	12.00	11.89	-3.86
12,175.0	29.63	5.43	12,147.8	-94.8	522.5	-40.6	12.00	11.91	-3.14
12,200.0	32.62	4.78	12,169.2	-82.0	523.6	-27.7	12.00	11.92	-2.61
12,225.0	35.60	4.22	12,189.9	-68.0	524.7	-13.7	12.00	11.94	-2.22
12,250.0	38.59	3.74	12,209.8	-52.9	525.8	1.4	12.00	11.94	-1.92
12,275.0	41.57	3.32	12,229.0	-36.9	526.8	17.5	12.00	11.95	-1.68
12,300.0	44.56	2.95	12,247.2	-19.8	527.7	34.5	12.00	11.96	-1.50
12,325.0	47.55	2.61	12,264.6	-1.9	528.6	52.5	12.00	11.96	-1.34
12,350.0	50.54	2.31	12,281.0	17.0	529.4	71.3	12.00	11.96	-1.22
12,375.0	53.54	2.03	12,296.3	36.7	530.1	91.0	12.00	11.97	-1.12
12,400.0	56.53	1.77	12,310.7	57.2	530.8	111.4	12.00	11.97	-1.04
12,425.0	59.52	1.52	12,323.9	78.4	531.4	132.6	12.00	11.97	-0.97
12,450.0	62.51	1.30	12,336.0	100.2	531.9	154.4	12.00	11.97	-0.91
12,475.0	65.51	1.08	12,347.0	122.7	532.4	176.8	12.00	11.97	-0.86
12,481.1	66.24	1.03	12,349.4	128.3	532.5	182.3	12.00	11.98	-0.84
FTP(RR 25 St Com #701H)									
12,500.0	68.50	0.88	12,356.7	145.7	532.8	199.7	12.00	11.98	-0.82
12,525.0	71.50	0.68	12,365.3	169.2	533.1	223.1	12.00	11.98	-0.79
12,550.0	74.49	0.49	12,372.6	193.1	533.4	246.9	12.00	11.98	-0.76
12,575.0	77.49	0.30	12,378.6	217.3	533.5	271.0	12.00	11.98	-0.74
12,600.0	80.48	0.12	12,383.4	241.9	533.6	295.5	12.00	11.98	-0.72
12,625.0	83.48	359.94	12,386.9	266.6	533.6	320.1	12.00	11.98	-0.71
12,650.0	86.47	359.77	12,389.1	291.5	533.6	344.8	12.00	11.98	-0.70
12,675.0	89.47	359.59	12,390.0	316.5	533.4	369.7	12.00	11.98	-0.70
12,679.5	90.00	359.56	12,390.0	321.0	533.4	374.1	12.00	11.98	-0.70
12,700.0	90.00	359.56	12,390.0	341.5	533.2	394.5	0.00	0.00	0.00
12,800.0	90.00	359.56	12,390.0	441.5	532.5	493.9	0.00	0.00	0.00
12,900.0	90.00	359.56	12,390.0	541.5	531.7	593.3	0.00	0.00	0.00
13,000.0	90.00	359.56	12,390.0	641.5	531.0	692.7	0.00	0.00	0.00
13,100.0	90.00	359.56	12,390.0	741.5	530.2	792.1	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: #701H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #701H
 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)
13,200.0	90.00	359.56	12,390.0	841.5	529.4	891.5	0.00	0.00	0.00
13,300.0	90.00	359.56	12,390.0	941.5	528.7	990.9	0.00	0.00	0.00
13,400.0	90.00	359.56	12,390.0	1,041.5	527.9	1,090.2	0.00	0.00	0.00
13,500.0	90.00	359.56	12,390.0	1,141.5	527.1	1,189.6	0.00	0.00	0.00
13,600.0	90.00	359.56	12,390.0	1,241.5	526.4	1,289.0	0.00	0.00	0.00
13,700.0	90.00	359.56	12,390.0	1,341.5	525.6	1,388.4	0.00	0.00	0.00
13,800.0	90.00	359.56	12,390.0	1,441.5	524.8	1,487.8	0.00	0.00	0.00
13,900.0	90.00	359.56	12,390.0	1,541.5	524.1	1,587.2	0.00	0.00	0.00
14,000.0	90.00	359.56	12,390.0	1,641.5	523.3	1,686.6	0.00	0.00	0.00
14,100.0	90.00	359.56	12,390.0	1,741.5	522.6	1,786.0	0.00	0.00	0.00
14,200.0	90.00	359.56	12,390.0	1,841.5	521.8	1,885.4	0.00	0.00	0.00
14,300.0	90.00	359.56	12,390.0	1,941.5	521.0	1,984.7	0.00	0.00	0.00
14,400.0	90.00	359.56	12,390.0	2,041.5	520.3	2,084.1	0.00	0.00	0.00
14,500.0	90.00	359.56	12,390.0	2,141.5	519.5	2,183.5	0.00	0.00	0.00
14,600.0	90.00	359.56	12,390.0	2,241.5	518.7	2,282.9	0.00	0.00	0.00
14,700.0	90.00	359.56	12,390.0	2,341.5	518.0	2,382.3	0.00	0.00	0.00
14,800.0	90.00	359.56	12,390.0	2,441.5	517.2	2,481.7	0.00	0.00	0.00
14,900.0	90.00	359.56	12,390.0	2,541.5	516.5	2,581.1	0.00	0.00	0.00
15,000.0	90.00	359.56	12,390.0	2,641.5	515.7	2,680.5	0.00	0.00	0.00
15,100.0	90.00	359.56	12,390.0	2,741.4	514.9	2,779.9	0.00	0.00	0.00
15,200.0	90.00	359.56	12,390.0	2,841.4	514.2	2,879.2	0.00	0.00	0.00
15,300.0	90.00	359.56	12,390.0	2,941.4	513.4	2,978.6	0.00	0.00	0.00
15,400.0	90.00	359.56	12,390.0	3,041.4	512.6	3,078.0	0.00	0.00	0.00
15,500.0	90.00	359.56	12,390.0	3,141.4	511.9	3,177.4	0.00	0.00	0.00
15,600.0	90.00	359.56	12,390.0	3,241.4	511.1	3,276.8	0.00	0.00	0.00
15,700.0	90.00	359.56	12,390.0	3,341.4	510.4	3,376.2	0.00	0.00	0.00
15,800.0	90.00	359.56	12,390.0	3,441.4	509.6	3,475.6	0.00	0.00	0.00
15,900.0	90.00	359.56	12,390.0	3,541.4	508.8	3,575.0	0.00	0.00	0.00
16,000.0	90.00	359.56	12,390.0	3,641.4	508.1	3,674.4	0.00	0.00	0.00
16,100.0	90.00	359.56	12,390.0	3,741.4	507.3	3,773.7	0.00	0.00	0.00
16,200.0	90.00	359.56	12,390.0	3,841.4	506.5	3,873.1	0.00	0.00	0.00
16,300.0	90.00	359.56	12,390.0	3,941.4	505.8	3,972.5	0.00	0.00	0.00
16,400.0	90.00	359.56	12,390.0	4,041.4	505.0	4,071.9	0.00	0.00	0.00
16,500.0	90.00	359.56	12,390.0	4,141.4	504.2	4,171.3	0.00	0.00	0.00
16,600.0	90.00	359.56	12,390.0	4,241.4	503.5	4,270.7	0.00	0.00	0.00
16,700.0	90.00	359.56	12,390.0	4,341.4	502.7	4,370.1	0.00	0.00	0.00
16,800.0	90.00	359.56	12,390.0	4,441.4	502.0	4,469.5	0.00	0.00	0.00
16,900.0	90.00	359.56	12,390.0	4,541.4	501.2	4,568.9	0.00	0.00	0.00
17,000.0	90.00	359.56	12,390.0	4,641.4	500.4	4,668.2	0.00	0.00	0.00
17,100.0	90.00	359.56	12,390.0	4,741.4	499.7	4,767.6	0.00	0.00	0.00
17,187.6	90.00	359.56	12,390.0	4,829.0	499.0	4,854.7	0.00	0.00	0.00

PBHL(RR 25 St Com #701H)



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Red Raider 25 State Com
Well: #701H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #701H
TVD Reference: KB = 25 @ 3529.0usft
MD Reference: KB = 25 @ 3529.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
FTP(RR 25 St Com #70)	0.00	0.00	12,390.0	111.0	535.0	430,977.00	793,407.00	32° 10' 55.953 N	103° 31' 6.856 W
- plan misses target center by 44.1usft at 12481.1usft MD (12349.4 TVD, 128.3 N, 532.5 E)									
- Point									
PBHL(RR 25 St Com #7)	0.00	0.00	12,390.0	4,829.0	499.0	435,695.00	793,371.00	32° 11' 42.641 N	103° 31' 6.859 W
- plan hits target center									
- Point									