



Lea County, NM (NAD 83 NME)

Lomas Rojas 26 State #601H

Plan #0.1



Azimuths to Grid North:
True North: -0.42°
Magnetic North: 6.51°

Magnetic Field
Strength: 47877.3nT
Dip Angle: 59.96°
Date: 8/31/2017
Model: IGRF2016

To convert a Magnetic Direction to a Grid Direction, Add 8.51°
To convert a Magnetic Direction to a True Direction, Add 6.54° East
To convert a True Direction to a Grid Direction, Subtract 0.42°

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: #601H

KB = 25' @ 3361.00usft 3336.00
Northing 403501.00 Easting 787324.00 Latitude 32.10681172 Longitude -103.53689873

SECTION DETAILS

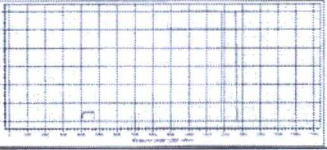
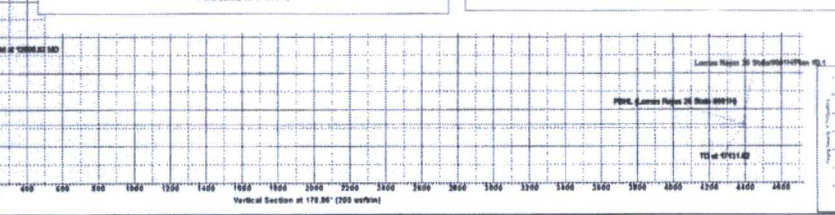
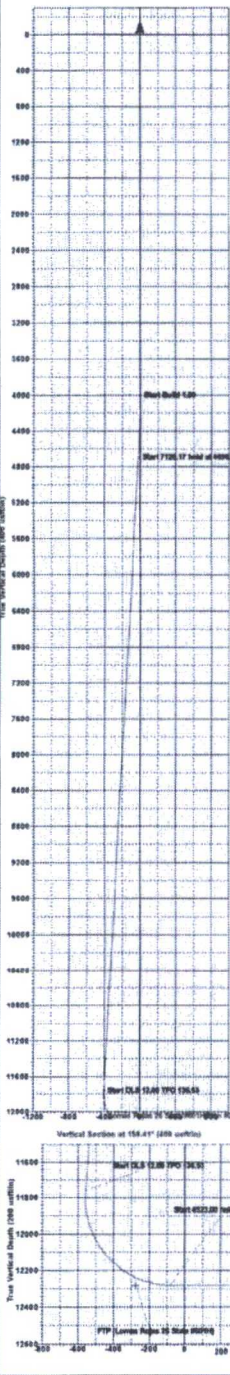
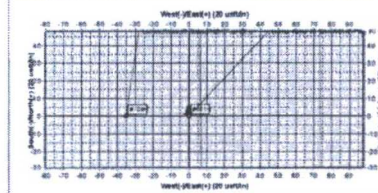
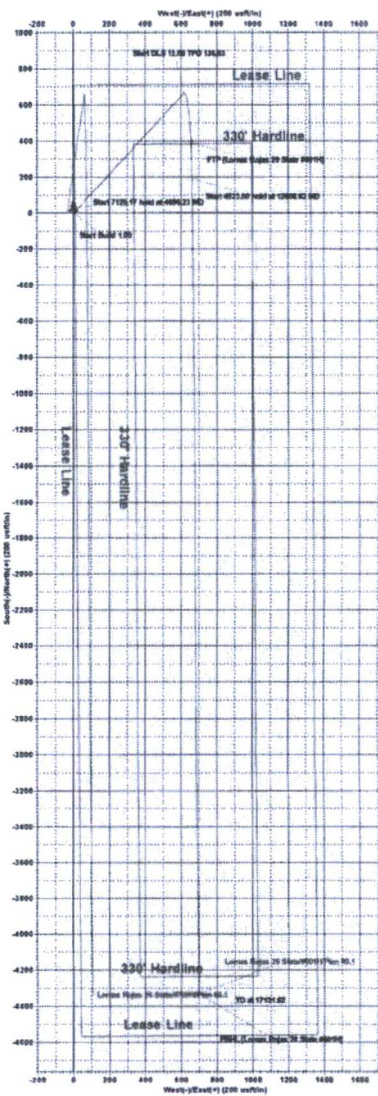
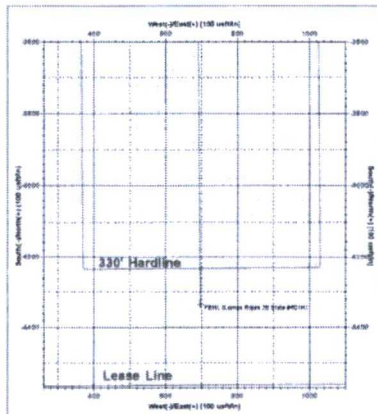
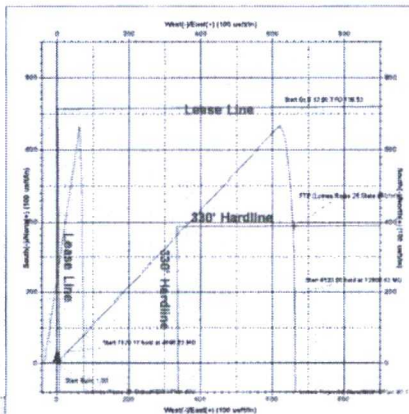
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	
3	4696.23	6.96	42.81	4694.52	30.99	28.71	1.00	42.81	-26.04	
4	11816.41	6.96	42.81	11762.19	664.12	615.29	0.00	0.00	-558.00	
5	12608.62	90.00	179.56	12280.00	188.87	662.27	12.00	136.53	-81.32	
6	17131.62	90.00	179.56	12280.00	-4334.00	697.00	0.00	0.00	4389.69	PBHL (Lomas Rojas 26 State #601H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (Lomas Rojas 26 State #601H)	12280.00	387.00	661.00	403888.00	787985.00
PBHL (Lomas Rojas 26 State #601H)	12280.00	4334.00	697.00	399187.00	788021.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Lomas Rojas 26 State

#601H

OH

Plan: Plan #0.1

Standard Planning Report

31 May, 2017



EOG Resources, Inc.

Planning Report

Database: EDM 5000.14 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Lomas Rojas 26 State
Well: #601H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #601H
TVD Reference: KB = 25' @ 3361.00usft
MD Reference: KB = 25' @ 3361.00usft
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	Lomas Rojas 26 State				
Site Position:		Northing:	403,501.00 usft	Latitude:	32.10681171
From:	Map	Easting:	787,324.00 usft	Longitude:	-103.53888673
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.42°

Well	#601H					
Well Position	+N/-S	0.00 usft	Northing:	403,501.00 usft	Latitude:	32.10681171
	+E/-W	0.00 usft	Easting:	787,324.00 usft	Longitude:	-103.53888673
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	3,336.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	5/31/2017	6.94	59.96	47,877.31223220

Design	Plan #0.1				
Audit Notes:					
Version:	Phase:	PLAN		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	170.86	

Plan Survey Tool Program	Date 5/31/2017				
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	17,131.62 Plan #0.1 (OH)	MWD		
			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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,696.23	6.96	42.81	4,694.52	30.99	28.71	1.00	1.00	0.00	42.81	
11,816.41	6.96	42.81	11,762.19	664.12	615.29	0.00	0.00	0.00	0.00	
12,608.62	90.00	179.56	12,280.00	188.87	662.27	12.00	10.48	17.26	136.53	
17,131.62	90.00	179.56	12,280.00	-4,334.00	697.00	0.00	0.00	0.00	0.00	PBHL (Lomas Rojas 2



EOG Resources, Inc.

Planning Report

Database: EDM 5000.14 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Lomas Rojas 26 State
 Well: #601H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #601H
 TVD Reference: KB = 25' @ 3361.00usft
 MD Reference: KB = 25' @ 3361.00usft
 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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	1.00	42.81	4,100.00	0.64	0.59	-0.54	1.00	1.00	0.00
4,200.00	2.00	42.81	4,199.96	2.56	2.37	-2.15	1.00	1.00	0.00
4,300.00	3.00	42.81	4,299.86	5.76	5.34	-4.84	1.00	1.00	0.00
4,400.00	4.00	42.81	4,399.68	10.24	9.49	-8.60	1.00	1.00	0.00
4,500.00	5.00	42.81	4,499.37	15.99	14.82	-13.44	1.00	1.00	0.00
4,600.00	6.00	42.81	4,598.90	23.02	21.33	-19.35	1.00	1.00	0.00
4,696.23	6.96	42.81	4,694.52	30.99	28.71	-26.04	1.00	1.00	0.00
4,700.00	6.96	42.81	4,698.26	31.33	29.02	-26.32	0.00	0.00	0.00
4,800.00	6.96	42.81	4,797.52	40.22	37.26	-33.79	0.00	0.00	0.00
4,900.00	6.96	42.81	4,896.79	49.11	45.50	-41.26	0.00	0.00	0.00
5,000.00	6.96	42.81	4,996.05	58.00	53.74	-48.74	0.00	0.00	0.00
5,100.00	6.96	42.81	5,095.31	66.90	61.98	-56.21	0.00	0.00	0.00
5,200.00	6.96	42.81	5,194.57	75.79	70.21	-63.68	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.14 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Lomas Rojas 26 State
 Well: #601H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #601H
 TVD Reference: KB = 25' @ 3361.00usft
 MD Reference: KB = 25' @ 3361.00usft
 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)
5,300.00	6.96	42.81	5,293.84	84.68	78.45	-71.15	0.00	0.00	0.00
5,400.00	6.96	42.81	5,393.10	93.57	86.69	-78.62	0.00	0.00	0.00
5,500.00	6.96	42.81	5,492.36	102.46	94.93	-86.09	0.00	0.00	0.00
5,600.00	6.96	42.81	5,591.62	111.36	103.17	-93.56	0.00	0.00	0.00
5,700.00	6.96	42.81	5,690.89	120.25	111.41	-101.03	0.00	0.00	0.00
5,800.00	6.96	42.81	5,790.15	129.14	119.64	-108.50	0.00	0.00	0.00
5,900.00	6.96	42.81	5,889.41	138.03	127.88	-115.98	0.00	0.00	0.00
6,000.00	6.96	42.81	5,988.67	146.92	136.12	-123.45	0.00	0.00	0.00
6,100.00	6.96	42.81	6,087.94	155.82	144.36	-130.92	0.00	0.00	0.00
6,200.00	6.96	42.81	6,187.20	164.71	152.60	-138.39	0.00	0.00	0.00
6,300.00	6.96	42.81	6,286.46	173.60	160.83	-145.86	0.00	0.00	0.00
6,400.00	6.96	42.81	6,385.72	182.49	169.07	-153.33	0.00	0.00	0.00
6,500.00	6.96	42.81	6,484.99	191.38	177.31	-160.80	0.00	0.00	0.00
6,600.00	6.96	42.81	6,584.25	200.28	185.55	-168.27	0.00	0.00	0.00
6,700.00	6.96	42.81	6,683.51	209.17	193.79	-175.74	0.00	0.00	0.00
6,800.00	6.96	42.81	6,782.77	218.06	202.03	-183.22	0.00	0.00	0.00
6,900.00	6.96	42.81	6,882.04	226.95	210.26	-190.69	0.00	0.00	0.00
7,000.00	6.96	42.81	6,981.30	235.84	218.50	-198.16	0.00	0.00	0.00
7,100.00	6.96	42.81	7,080.56	244.74	226.74	-205.63	0.00	0.00	0.00
7,200.00	6.96	42.81	7,179.83	253.63	234.98	-213.10	0.00	0.00	0.00
7,300.00	6.96	42.81	7,279.09	262.52	243.22	-220.57	0.00	0.00	0.00
7,400.00	6.96	42.81	7,378.35	271.41	251.45	-228.04	0.00	0.00	0.00
7,500.00	6.96	42.81	7,477.61	280.30	259.69	-235.51	0.00	0.00	0.00
7,600.00	6.96	42.81	7,576.88	289.20	267.93	-242.99	0.00	0.00	0.00
7,700.00	6.96	42.81	7,676.14	298.09	276.17	-250.46	0.00	0.00	0.00
7,800.00	6.96	42.81	7,775.40	306.98	284.41	-257.93	0.00	0.00	0.00
7,900.00	6.96	42.81	7,874.66	315.87	292.65	-265.40	0.00	0.00	0.00
8,000.00	6.96	42.81	7,973.93	324.76	300.88	-272.87	0.00	0.00	0.00
8,100.00	6.96	42.81	8,073.19	333.66	309.12	-280.34	0.00	0.00	0.00
8,200.00	6.96	42.81	8,172.45	342.55	317.36	-287.81	0.00	0.00	0.00
8,300.00	6.96	42.81	8,271.71	351.44	325.60	-295.28	0.00	0.00	0.00
8,400.00	6.96	42.81	8,370.98	360.33	333.84	-302.75	0.00	0.00	0.00
8,500.00	6.96	42.81	8,470.24	369.22	342.07	-310.23	0.00	0.00	0.00
8,600.00	6.96	42.81	8,569.50	378.12	350.31	-317.70	0.00	0.00	0.00
8,700.00	6.96	42.81	8,668.76	387.01	358.55	-325.17	0.00	0.00	0.00
8,800.00	6.96	42.81	8,768.03	395.90	366.79	-332.64	0.00	0.00	0.00
8,900.00	6.96	42.81	8,867.29	404.79	375.03	-340.11	0.00	0.00	0.00
9,000.00	6.96	42.81	8,966.55	413.68	383.27	-347.58	0.00	0.00	0.00
9,100.00	6.96	42.81	9,065.81	422.58	391.50	-355.05	0.00	0.00	0.00
9,200.00	6.96	42.81	9,165.08	431.47	399.74	-362.52	0.00	0.00	0.00
9,300.00	6.96	42.81	9,264.34	440.36	407.98	-369.99	0.00	0.00	0.00
9,400.00	6.96	42.81	9,363.60	449.25	416.22	-377.47	0.00	0.00	0.00
9,500.00	6.96	42.81	9,462.87	458.14	424.46	-384.94	0.00	0.00	0.00
9,600.00	6.96	42.81	9,562.13	467.04	432.69	-392.41	0.00	0.00	0.00
9,700.00	6.96	42.81	9,661.39	475.93	440.93	-399.88	0.00	0.00	0.00
9,800.00	6.96	42.81	9,760.65	484.82	449.17	-407.35	0.00	0.00	0.00
9,900.00	6.96	42.81	9,859.92	493.71	457.41	-414.82	0.00	0.00	0.00
10,000.00	6.96	42.81	9,959.18	502.60	465.65	-422.29	0.00	0.00	0.00
10,100.00	6.96	42.81	10,058.44	511.50	473.88	-429.76	0.00	0.00	0.00
10,200.00	6.96	42.81	10,157.70	520.39	482.12	-437.24	0.00	0.00	0.00
10,300.00	6.96	42.81	10,256.97	529.28	490.36	-444.71	0.00	0.00	0.00
10,400.00	6.96	42.81	10,356.23	538.17	498.60	-452.18	0.00	0.00	0.00
10,500.00	6.96	42.81	10,455.49	547.07	506.84	-459.65	0.00	0.00	0.00
10,600.00	6.96	42.81	10,554.75	555.96	515.08	-467.12	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.14 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Lomas Rojas 26 State
 Well: #601H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #601H
 TVD Reference: KB = 25' @ 3361.00usft
 MD Reference: KB = 25' @ 3361.00usft
 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)
10,700.00	6.96	42.81	10,654.02	564.85	523.31	-474.59	0.00	0.00	0.00
10,800.00	6.96	42.81	10,753.28	573.74	531.55	-482.06	0.00	0.00	0.00
10,900.00	6.96	42.81	10,852.54	582.63	539.79	-489.53	0.00	0.00	0.00
11,000.00	6.96	42.81	10,951.80	591.53	548.03	-497.00	0.00	0.00	0.00
11,100.00	6.96	42.81	11,051.07	600.42	556.27	-504.48	0.00	0.00	0.00
11,200.00	6.96	42.81	11,150.33	609.31	564.50	-511.95	0.00	0.00	0.00
11,300.00	6.96	42.81	11,249.59	618.20	572.74	-519.42	0.00	0.00	0.00
11,400.00	6.96	42.81	11,348.85	627.09	580.98	-526.89	0.00	0.00	0.00
11,500.00	6.96	42.81	11,448.12	635.99	589.22	-534.36	0.00	0.00	0.00
11,600.00	6.96	42.81	11,547.38	644.88	597.46	-541.83	0.00	0.00	0.00
11,700.00	6.96	42.81	11,646.64	653.77	605.70	-549.30	0.00	0.00	0.00
11,800.00	6.96	42.81	11,745.91	662.66	613.93	-556.77	0.00	0.00	0.00
11,816.41	6.96	42.81	11,762.19	664.12	615.29	-558.00	0.00	0.00	0.00
11,825.00	6.25	49.34	11,770.73	664.81	615.99	-558.57	12.00	-8.24	75.94
11,850.00	4.89	77.35	11,795.61	665.93	618.07	-559.34	12.00	-5.44	112.04
11,875.00	5.17	111.94	11,820.52	665.74	620.15	-558.83	12.00	1.11	138.35
11,900.00	6.89	135.74	11,845.39	664.25	622.25	-557.02	12.00	6.88	95.21
11,925.00	9.28	148.77	11,870.14	661.45	624.34	-553.92	12.00	9.57	52.12
11,950.00	11.95	156.28	11,894.71	657.35	626.43	-549.55	12.00	10.67	30.02
11,975.00	14.75	161.02	11,919.03	651.97	628.50	-543.91	12.00	11.18	18.99
12,000.00	17.61	164.27	11,943.04	645.32	630.56	-537.01	12.00	11.45	13.00
12,025.00	20.51	166.63	11,966.67	637.42	632.60	-528.89	12.00	11.60	9.44
12,050.00	23.43	168.43	11,989.85	628.29	634.61	-519.55	12.00	11.70	7.18
12,075.00	26.37	169.84	12,012.52	617.95	636.59	-509.03	12.00	11.76	5.66
12,100.00	29.32	170.99	12,034.63	606.43	638.53	-497.35	12.00	11.81	4.60
12,125.00	32.28	171.95	12,056.10	593.77	640.42	-484.55	12.00	11.84	3.82
12,150.00	35.25	172.76	12,076.88	580.00	642.26	-470.67	12.00	11.86	3.24
12,175.00	38.22	173.46	12,096.91	565.16	644.06	-455.73	12.00	11.88	2.80
12,200.00	41.20	174.07	12,116.14	549.28	645.79	-439.78	12.00	11.90	2.45
12,225.00	44.17	174.62	12,134.52	532.42	647.45	-422.86	12.00	11.91	2.18
12,250.00	47.15	175.11	12,151.99	514.61	649.05	-405.03	12.00	11.92	1.96
12,275.00	50.13	175.55	12,168.50	495.91	650.58	-386.32	12.00	11.93	1.78
12,300.00	53.12	175.96	12,184.02	476.37	652.03	-366.79	12.00	11.93	1.63
12,325.00	56.10	176.34	12,198.50	456.04	653.39	-346.50	12.00	11.94	1.51
12,350.00	59.09	176.69	12,211.90	434.97	654.68	-325.50	12.00	11.94	1.40
12,375.00	62.07	177.02	12,224.17	413.23	655.87	-303.85	12.00	11.94	1.32
12,400.00	65.06	177.33	12,235.30	390.87	656.97	-281.60	12.00	11.95	1.25
12,421.50	67.63	177.59	12,243.93	371.20	657.85	-262.04	12.00	11.95	1.19
FTP (Lomas Rojas 26 State #601H)									
12,425.00	68.05	177.63	12,245.25	367.96	657.98	-258.82	12.00	11.95	1.17
12,450.00	71.03	177.91	12,253.99	344.56	658.89	-235.57	12.00	11.95	1.14
12,475.00	74.02	178.19	12,261.49	320.73	659.70	-211.91	12.00	11.95	1.10
12,500.00	77.01	178.45	12,267.74	296.54	660.41	-187.91	12.00	11.96	1.07
12,525.00	80.00	178.71	12,272.72	272.05	661.02	-163.64	12.00	11.96	1.04
12,550.00	82.99	178.97	12,276.42	247.33	661.52	-139.16	12.00	11.96	1.02
12,575.00	85.98	179.22	12,278.82	222.45	661.91	-114.53	12.00	11.96	1.01
12,600.00	88.97	179.47	12,279.92	197.48	662.19	-89.83	12.00	11.96	1.00
12,608.62	90.00	179.56	12,280.00	188.87	662.27	-81.32	12.00	11.96	1.00
12,700.00	90.00	179.56	12,280.00	97.49	662.97	9.02	0.00	0.00	0.00
12,800.00	90.00	179.56	12,280.00	-2.51	663.74	107.87	0.00	0.00	0.00
12,900.00	90.00	179.56	12,280.00	-102.51	664.50	206.72	0.00	0.00	0.00
13,000.00	90.00	179.56	12,280.00	-202.51	665.27	305.57	0.00	0.00	0.00
13,100.00	90.00	179.56	12,280.00	-302.50	666.04	404.42	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.14 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Lomas Rojas 26 State
 Well: #601H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #601H
 TVD Reference: KB = 25' @ 3361.00usft
 MD Reference: KB = 25' @ 3361.00usft
 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)
13,200.00	90.00	179.56	12,280.00	-402.50	666.81	503.27	0.00	0.00	0.00
13,300.00	90.00	179.56	12,280.00	-502.50	667.58	602.12	0.00	0.00	0.00
13,400.00	90.00	179.56	12,280.00	-602.49	668.34	700.97	0.00	0.00	0.00
13,500.00	90.00	179.56	12,280.00	-702.49	669.11	799.82	0.00	0.00	0.00
13,600.00	90.00	179.56	12,280.00	-802.49	669.88	898.67	0.00	0.00	0.00
13,700.00	90.00	179.56	12,280.00	-902.49	670.65	997.52	0.00	0.00	0.00
13,800.00	90.00	179.56	12,280.00	-1,002.48	671.42	1,096.37	0.00	0.00	0.00
13,900.00	90.00	179.56	12,280.00	-1,102.48	672.18	1,195.22	0.00	0.00	0.00
14,000.00	90.00	179.56	12,280.00	-1,202.48	672.95	1,294.07	0.00	0.00	0.00
14,100.00	90.00	179.56	12,280.00	-1,302.47	673.72	1,392.92	0.00	0.00	0.00
14,200.00	90.00	179.56	12,280.00	-1,402.47	674.49	1,491.77	0.00	0.00	0.00
14,300.00	90.00	179.56	12,280.00	-1,502.47	675.25	1,590.62	0.00	0.00	0.00
14,400.00	90.00	179.56	12,280.00	-1,602.46	676.02	1,689.48	0.00	0.00	0.00
14,500.00	90.00	179.56	12,280.00	-1,702.46	676.79	1,788.33	0.00	0.00	0.00
14,600.00	90.00	179.56	12,280.00	-1,802.46	677.56	1,887.18	0.00	0.00	0.00
14,700.00	90.00	179.56	12,280.00	-1,902.46	678.33	1,986.03	0.00	0.00	0.00
14,800.00	90.00	179.56	12,280.00	-2,002.45	679.09	2,084.88	0.00	0.00	0.00
14,900.00	90.00	179.56	12,280.00	-2,102.45	679.86	2,183.73	0.00	0.00	0.00
15,000.00	90.00	179.56	12,280.00	-2,202.45	680.63	2,282.58	0.00	0.00	0.00
15,100.00	90.00	179.56	12,280.00	-2,302.44	681.40	2,381.43	0.00	0.00	0.00
15,200.00	90.00	179.56	12,280.00	-2,402.44	682.17	2,480.28	0.00	0.00	0.00
15,300.00	90.00	179.56	12,280.00	-2,502.44	682.93	2,579.13	0.00	0.00	0.00
15,400.00	90.00	179.56	12,280.00	-2,602.44	683.70	2,677.98	0.00	0.00	0.00
15,500.00	90.00	179.56	12,280.00	-2,702.43	684.47	2,776.83	0.00	0.00	0.00
15,600.00	90.00	179.56	12,280.00	-2,802.43	685.24	2,875.68	0.00	0.00	0.00
15,700.00	90.00	179.56	12,280.00	-2,902.43	686.01	2,974.53	0.00	0.00	0.00
15,800.00	90.00	179.56	12,280.00	-3,002.42	686.77	3,073.38	0.00	0.00	0.00
15,900.00	90.00	179.56	12,280.00	-3,102.42	687.54	3,172.23	0.00	0.00	0.00
16,000.00	90.00	179.56	12,280.00	-3,202.42	688.31	3,271.08	0.00	0.00	0.00
16,100.00	90.00	179.56	12,280.00	-3,302.41	689.08	3,369.93	0.00	0.00	0.00
16,200.00	90.00	179.56	12,280.00	-3,402.41	689.85	3,468.78	0.00	0.00	0.00
16,300.00	90.00	179.56	12,280.00	-3,502.41	690.61	3,567.63	0.00	0.00	0.00
16,400.00	90.00	179.56	12,280.00	-3,602.41	691.38	3,666.48	0.00	0.00	0.00
16,500.00	90.00	179.56	12,280.00	-3,702.40	692.15	3,765.33	0.00	0.00	0.00
16,600.00	90.00	179.56	12,280.00	-3,802.40	692.92	3,864.18	0.00	0.00	0.00
16,700.00	90.00	179.56	12,280.00	-3,902.40	693.69	3,963.03	0.00	0.00	0.00
16,800.00	90.00	179.56	12,280.00	-4,002.39	694.45	4,061.88	0.00	0.00	0.00
16,900.00	90.00	179.56	12,280.00	-4,102.39	695.22	4,160.74	0.00	0.00	0.00
17,000.00	90.00	179.56	12,280.00	-4,202.39	695.99	4,259.59	0.00	0.00	0.00
17,100.00	90.00	179.56	12,280.00	-4,302.39	696.76	4,358.44	0.00	0.00	0.00
17,131.62	90.00	179.56	12,280.00	-4,334.00	697.00	4,389.69	0.00	0.00	0.00

PBHL (Lomas Rojas 26 State #601H)



EOG Resources, Inc.

Planning Report

Database: EDM 5000.14 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Lomas Rojas 26 State
Well: #601H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #601H
TVD Reference: KB = 25' @ 3361.00usft
MD Reference: KB = 25' @ 3361.00usft
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
PBHL (Lomas Rojas 26 - plan hits target center - Point	0.00	0.01	12,280.00	-4,334.00	697.00	399,167.00	788,021.00	32.09488473	-103.53673928
FTP (Lomas Rojas 26 S - plan misses target center by 39.51usft at 12421.50usft MD (12243.93 TVD, 371.20 N, 657.85 E) - Point	0.00	0.00	12,280.00	387.00	661.00	403,888.00	787,985.00	32.10786205	-103.53674289