



Lea County, NM (NAD 83 NME)
Lomas Rojas 26 State #603H
Plan #0.1

Azimuths to Grid North
True North: -0.42°
Magnetic North: 6.52°

Magnetic Field
Strength: 47878.7nT
Dip Angle: 59.96°
Date: 8/31/2017
Model: IGRF2016

To convert a Magnetic Direction to a Grid Direction, Add 0.52°
To convert a Magnetic Direction to a True Direction, Add 0.94° 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: #603H
KB = 25' @ 3369.00surf 3344.00
Northing 403490.00 Easting 785817.00 Latitude 32.10681192 Longitude -103.54375366

SECTION DETAILS

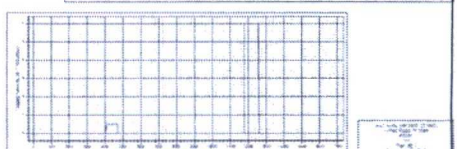
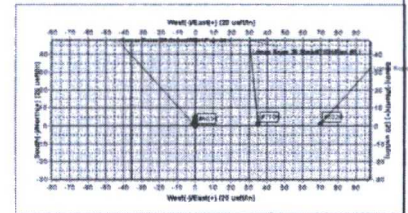
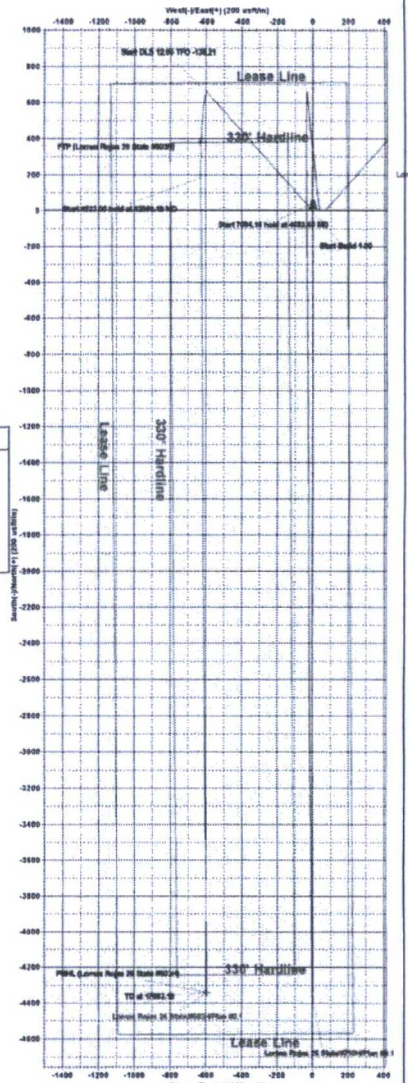
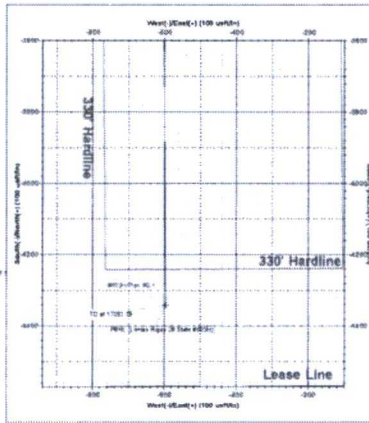
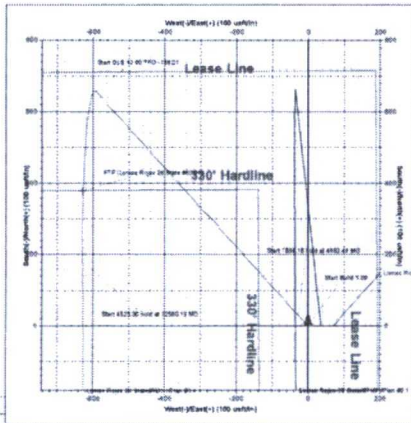
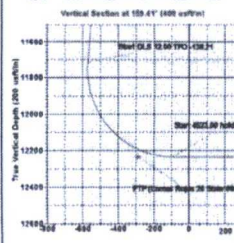
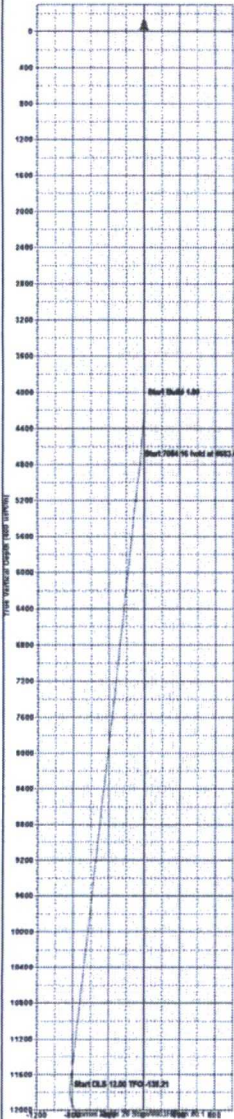
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	
3	4683.48	6.83	318.00	4681.86	30.26	-27.25	1.00	318.00	-26.27	
4	11767.63	6.83	318.00	11715.67	656.74	-591.41	0.00	0.00	-570.21	
5	12560.19	90.00	179.58	12234.00	180.88	-629.16	12.00	-138.21	-93.64	
6	17083.19	90.00	179.58	12234.00	-4342.00	-596.00	0.00	0.00	4382.71	PBHL (Lomas Rojas 26 State #603H)

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 #603H)	12234.00	980.00	-530.00	403870.00	785187.00
PBHL (Lomas Rojas 26 State #603H)	12234.00	-4342.00	-596.00	399148.00	786221.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Lomas Rojas 26 State

#603H

OH

Plan: Plan #0.1

Standard Planning Report

01 June, 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: #603H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #603H
TVD Reference: KB = 25' @ 3369.00usft
MD Reference: KB = 25' @ 3369.00usft
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
From:	Map	Easting:	787,324.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"
		Latitude:	32.10681171
		Longitude:	-103.53888673
		Grid Convergence:	0.42 "

Well	#603H		
Well Position	+N/-S	-11.00 usft	Northing: 403,490.00 usft
	+E/-W	-1,507.00 usft	Easting: 785,817.00 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	Latitude: 32.10681191
			Longitude: -103.54375366
			Ground Level: 3,344.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	5/31/2017	(°)
			6.94
			Dip Angle
			(°)
			59.96
			Field Strength
			(nT)
			47,876.74053209

Design	Plan #0.1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			187.82

Plan Survey Tool Program	Date 6/1/2017		
Depth From	Depth To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
1	0.00	17,083.19 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)		
0.00	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	
4,683.48	6.83	318.00	4,681.86	30.26	-27.25	1.00	1.00	0.00	318.00	
11,767.64	6.83	318.00	11,715.67	656.74	-591.41	0.00	0.00	0.00	0.00	
12,560.19	90.00	179.58	12,234.00	180.88	-629.16	12.00	10.49	-17.46	-138.21	
17,083.19	90.00	179.58	12,234.00	-4,342.00	-596.00	0.00	0.00	0.00	0.00	0.00 PBHL (Lomas Rojas 2



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Well: #603H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #603H
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MD Reference: KB = 25' @ 3369.00usft
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	318.00	4,100.00	0.65	-0.58	-0.56	1.00	1.00	0.00
4,200.00	2.00	318.00	4,199.96	2.59	-2.34	-2.25	1.00	1.00	0.00
4,300.00	3.00	318.00	4,299.86	5.83	-5.25	-5.07	1.00	1.00	0.00
4,400.00	4.00	318.00	4,399.68	10.37	-9.34	-9.00	1.00	1.00	0.00
4,500.00	5.00	318.00	4,499.37	16.20	-14.59	-14.07	1.00	1.00	0.00
4,600.00	6.00	318.00	4,598.90	23.32	-21.00	-20.25	1.00	1.00	0.00
4,683.48	6.83	318.00	4,681.86	30.26	-27.25	-26.27	1.00	1.00	0.00
4,700.00	6.83	318.00	4,698.26	31.72	-28.56	-27.54	0.00	0.00	0.00
4,800.00	6.83	318.00	4,797.55	40.56	-36.53	-35.22	0.00	0.00	0.00
4,900.00	6.83	318.00	4,896.84	49.41	-44.49	-42.90	0.00	0.00	0.00
5,000.00	6.83	318.00	4,996.13	58.25	-52.45	-50.57	0.00	0.00	0.00
5,100.00	6.83	318.00	5,095.42	67.09	-60.42	-58.25	0.00	0.00	0.00
5,200.00	6.83	318.00	5,194.71	75.94	-68.38	-65.93	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

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 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Lomas Rojas 26 State
 Well: #603H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #603H
 TVD Reference: KB = 25' @ 3369.00usft
 MD Reference: KB = 25' @ 3369.00usft
 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	6.83	318.00	5,294.00	84.78	-76.35	-73.61	0.00	0.00	0.00
5,400.00	6.83	318.00	5,393.29	93.62	-84.31	-81.29	0.00	0.00	0.00
5,500.00	6.83	318.00	5,492.58	102.47	-92.27	-88.97	0.00	0.00	0.00
5,600.00	6.83	318.00	5,591.87	111.31	-100.24	-96.64	0.00	0.00	0.00
5,700.00	6.83	318.00	5,691.16	120.15	-108.20	-104.32	0.00	0.00	0.00
5,800.00	6.83	318.00	5,790.45	129.00	-116.16	-112.00	0.00	0.00	0.00
5,900.00	6.83	318.00	5,889.74	137.84	-124.13	-119.68	0.00	0.00	0.00
6,000.00	6.83	318.00	5,989.02	146.68	-132.09	-127.36	0.00	0.00	0.00
6,100.00	6.83	318.00	6,088.31	155.53	-140.05	-135.04	0.00	0.00	0.00
6,200.00	6.83	318.00	6,187.60	164.37	-148.02	-142.71	0.00	0.00	0.00
6,300.00	6.83	318.00	6,286.89	173.21	-155.98	-150.39	0.00	0.00	0.00
6,400.00	6.83	318.00	6,386.18	182.06	-163.95	-158.07	0.00	0.00	0.00
6,500.00	6.83	318.00	6,485.47	190.90	-171.91	-165.75	0.00	0.00	0.00
6,600.00	6.83	318.00	6,584.76	199.74	-179.87	-173.43	0.00	0.00	0.00
6,700.00	6.83	318.00	6,684.05	208.59	-187.84	-181.10	0.00	0.00	0.00
6,800.00	6.83	318.00	6,783.34	217.43	-195.80	-188.78	0.00	0.00	0.00
6,900.00	6.83	318.00	6,882.63	226.27	-203.76	-196.46	0.00	0.00	0.00
7,000.00	6.83	318.00	6,981.92	235.12	-211.73	-204.14	0.00	0.00	0.00
7,100.00	6.83	318.00	7,081.21	243.96	-219.69	-211.82	0.00	0.00	0.00
7,200.00	6.83	318.00	7,180.50	252.80	-227.66	-219.50	0.00	0.00	0.00
7,300.00	6.83	318.00	7,279.79	261.65	-235.62	-227.17	0.00	0.00	0.00
7,400.00	6.83	318.00	7,379.08	270.49	-243.58	-234.85	0.00	0.00	0.00
7,500.00	6.83	318.00	7,478.36	279.33	-251.55	-242.53	0.00	0.00	0.00
7,600.00	6.83	318.00	7,577.65	288.18	-259.51	-250.21	0.00	0.00	0.00
7,700.00	6.83	318.00	7,676.94	297.02	-267.47	-257.89	0.00	0.00	0.00
7,800.00	6.83	318.00	7,776.23	305.86	-275.44	-265.57	0.00	0.00	0.00
7,900.00	6.83	318.00	7,875.52	314.71	-283.40	-273.24	0.00	0.00	0.00
8,000.00	6.83	318.00	7,974.81	323.55	-291.37	-280.92	0.00	0.00	0.00
8,100.00	6.83	318.00	8,074.10	332.39	-299.33	-288.60	0.00	0.00	0.00
8,200.00	6.83	318.00	8,173.39	341.24	-307.29	-296.28	0.00	0.00	0.00
8,300.00	6.83	318.00	8,272.68	350.08	-315.26	-303.96	0.00	0.00	0.00
8,400.00	6.83	318.00	8,371.97	358.92	-323.22	-311.64	0.00	0.00	0.00
8,500.00	6.83	318.00	8,471.26	367.77	-331.18	-319.31	0.00	0.00	0.00
8,600.00	6.83	318.00	8,570.55	376.61	-339.15	-326.99	0.00	0.00	0.00
8,700.00	6.83	318.00	8,669.84	385.45	-347.11	-334.67	0.00	0.00	0.00
8,800.00	6.83	318.00	8,769.13	394.30	-355.07	-342.35	0.00	0.00	0.00
8,900.00	6.83	318.00	8,868.42	403.14	-363.04	-350.03	0.00	0.00	0.00
9,000.00	6.83	318.00	8,967.70	411.98	-371.00	-357.71	0.00	0.00	0.00
9,100.00	6.83	318.00	9,066.99	420.83	-378.97	-365.38	0.00	0.00	0.00
9,200.00	6.83	318.00	9,166.28	429.67	-386.93	-373.06	0.00	0.00	0.00
9,300.00	6.83	318.00	9,265.57	438.51	-394.89	-380.74	0.00	0.00	0.00
9,400.00	6.83	318.00	9,364.86	447.36	-402.86	-388.42	0.00	0.00	0.00
9,500.00	6.83	318.00	9,464.15	456.20	-410.82	-396.10	0.00	0.00	0.00
9,600.00	6.83	318.00	9,563.44	465.04	-418.78	-403.77	0.00	0.00	0.00
9,700.00	6.83	318.00	9,662.73	473.89	-426.75	-411.45	0.00	0.00	0.00
9,800.00	6.83	318.00	9,762.02	482.73	-434.71	-419.13	0.00	0.00	0.00
9,900.00	6.83	318.00	9,861.31	491.58	-442.68	-426.81	0.00	0.00	0.00
10,000.00	6.83	318.00	9,960.60	500.42	-450.64	-434.49	0.00	0.00	0.00
10,100.00	6.83	318.00	10,059.89	509.26	-458.60	-442.17	0.00	0.00	0.00
10,200.00	6.83	318.00	10,159.18	518.11	-466.57	-449.84	0.00	0.00	0.00
10,300.00	6.83	318.00	10,258.47	526.95	-474.53	-457.52	0.00	0.00	0.00
10,400.00	6.83	318.00	10,357.76	535.79	-482.49	-465.20	0.00	0.00	0.00
10,500.00	6.83	318.00	10,457.04	544.64	-490.46	-472.88	0.00	0.00	0.00
10,600.00	6.83	318.00	10,556.33	553.48	-498.42	-480.56	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)
10,700.00	6.83	318.00	10,655.62	562.32	-506.38	-488.24	0.00	0.00	0.00
10,800.00	6.83	318.00	10,754.91	571.17	-514.35	-495.91	0.00	0.00	0.00
10,900.00	6.83	318.00	10,854.20	580.01	-522.31	-503.59	0.00	0.00	0.00
11,000.00	6.83	318.00	10,953.49	588.85	-530.28	-511.27	0.00	0.00	0.00
11,100.00	6.83	318.00	11,052.78	597.70	-538.24	-518.95	0.00	0.00	0.00
11,200.00	6.83	318.00	11,152.07	606.54	-546.20	-526.63	0.00	0.00	0.00
11,300.00	6.83	318.00	11,251.36	615.38	-554.17	-534.31	0.00	0.00	0.00
11,400.00	6.83	318.00	11,350.65	624.23	-562.13	-541.98	0.00	0.00	0.00
11,500.00	6.83	318.00	11,449.94	633.07	-570.09	-549.66	0.00	0.00	0.00
11,600.00	6.83	318.00	11,549.23	641.91	-578.06	-557.34	0.00	0.00	0.00
11,700.00	6.83	318.00	11,648.52	650.76	-586.02	-565.02	0.00	0.00	0.00
11,767.64	6.83	318.00	11,715.67	656.74	-591.41	-570.21	0.00	0.00	0.00
11,775.00	6.20	312.54	11,722.99	657.33	-591.99	-570.72	12.00	-8.57	-74.11
11,800.00	4.71	284.65	11,747.88	658.51	-593.98	-571.61	12.00	-5.98	-111.56
11,825.00	4.88	248.22	11,772.80	658.37	-595.96	-571.21	12.00	0.69	-145.74
11,850.00	6.59	223.08	11,797.67	656.93	-597.93	-569.51	12.00	6.84	-100.54
11,875.00	9.00	209.72	11,822.44	654.18	-599.88	-566.52	12.00	9.64	-53.43
11,900.00	11.69	202.20	11,847.04	650.14	-601.81	-562.26	12.00	10.74	-30.10
11,925.00	14.49	197.50	11,871.38	644.81	-603.71	-556.72	12.00	11.23	-18.78
11,950.00	17.37	194.32	11,895.42	638.21	-605.57	-549.93	12.00	11.48	-12.74
11,975.00	20.27	192.02	11,919.08	630.35	-607.40	-541.90	12.00	11.63	-9.20
12,000.00	23.20	190.28	11,942.30	621.27	-609.18	-532.66	12.00	11.72	-6.97
12,025.00	26.15	188.91	11,965.02	610.98	-610.91	-522.23	12.00	11.78	-5.48
12,050.00	29.10	187.80	11,987.17	599.51	-612.59	-510.64	12.00	11.82	-4.44
12,075.00	32.07	186.88	12,008.69	586.89	-614.21	-497.92	12.00	11.85	-3.68
12,100.00	35.04	186.09	12,029.52	573.17	-615.76	-484.11	12.00	11.88	-3.12
12,125.00	38.01	185.42	12,049.61	558.37	-617.25	-469.24	12.00	11.89	-2.69
12,150.00	40.99	184.83	12,068.90	542.53	-618.67	-453.36	12.00	11.91	-2.36
12,175.00	43.96	184.31	12,087.33	525.70	-620.01	-436.50	12.00	11.92	-2.09
12,200.00	46.95	183.84	12,104.87	507.93	-621.28	-418.73	12.00	11.93	-1.88
12,225.00	49.93	183.42	12,121.45	489.27	-622.46	-400.07	12.00	11.93	-1.70
12,250.00	52.91	183.03	12,137.04	469.76	-623.56	-380.59	12.00	11.94	-1.56
12,275.00	55.90	182.67	12,151.59	449.45	-624.57	-360.34	12.00	11.94	-1.44
12,300.00	58.89	182.33	12,165.06	428.42	-625.49	-339.38	12.00	11.95	-1.34
12,325.00	61.87	182.02	12,177.41	406.70	-626.31	-317.75	12.00	11.95	-1.26
12,350.00	64.86	181.72	12,188.62	384.37	-627.04	-295.53	12.00	11.95	-1.19
12,372.28	67.53	181.47	12,197.61	364.00	-627.60	-275.27	12.00	11.95	-1.14
FTP (Lomas Rojas 26 State #603H)									
12,375.00	67.85	181.44	12,198.64	361.48	-627.67	-272.76	12.00	11.96	-1.11
12,400.00	70.84	181.16	12,207.46	338.09	-628.20	-249.53	12.00	11.96	-1.09
12,425.00	73.83	180.90	12,215.05	314.28	-628.63	-225.87	12.00	11.96	-1.05
12,450.00	76.82	180.65	12,221.38	290.10	-628.95	-201.87	12.00	11.96	-1.02
12,475.00	79.81	180.40	12,226.44	265.62	-629.18	-177.59	12.00	11.96	-0.99
12,500.00	82.80	180.16	12,230.22	240.91	-629.29	-153.10	12.00	11.96	-0.97
12,525.00	85.79	179.92	12,232.71	216.04	-629.31	-128.45	12.00	11.96	-0.96
12,550.00	88.78	179.68	12,233.89	191.07	-629.22	-103.73	12.00	11.96	-0.95
12,560.19	90.00	179.58	12,234.00	180.88	-629.16	-93.64	12.00	11.96	-0.95
12,600.00	90.00	179.58	12,234.00	141.07	-628.86	-54.24	0.00	0.00	0.00
12,700.00	90.00	179.58	12,234.00	41.08	-628.13	44.73	0.00	0.00	0.00
12,800.00	90.00	179.58	12,234.00	-58.92	-627.40	143.69	0.00	0.00	0.00
12,900.00	90.00	179.58	12,234.00	-158.92	-626.66	242.66	0.00	0.00	0.00
13,000.00	90.00	179.58	12,234.00	-258.92	-625.93	341.63	0.00	0.00	0.00
13,100.00	90.00	179.58	12,234.00	-358.91	-625.20	440.60	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: #603H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #603H
 TVD Reference: KB = 25' @ 3369.00usft
 MD Reference: KB = 25' @ 3369.00usft
 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	179.58	12,234.00	-458.91	-624.47	539.57	0.00	0.00	0.00
13,300.00	90.00	179.58	12,234.00	-558.91	-623.73	638.54	0.00	0.00	0.00
13,400.00	90.00	179.58	12,234.00	-658.91	-623.00	737.51	0.00	0.00	0.00
13,500.00	90.00	179.58	12,234.00	-758.90	-622.27	836.47	0.00	0.00	0.00
13,600.00	90.00	179.58	12,234.00	-858.90	-621.53	935.44	0.00	0.00	0.00
13,700.00	90.00	179.58	12,234.00	-958.90	-620.80	1,034.41	0.00	0.00	0.00
13,800.00	90.00	179.58	12,234.00	-1,058.90	-620.07	1,133.38	0.00	0.00	0.00
13,900.00	90.00	179.58	12,234.00	-1,158.89	-619.33	1,232.35	0.00	0.00	0.00
14,000.00	90.00	179.58	12,234.00	-1,258.89	-618.60	1,331.32	0.00	0.00	0.00
14,100.00	90.00	179.58	12,234.00	-1,358.89	-617.87	1,430.29	0.00	0.00	0.00
14,200.00	90.00	179.58	12,234.00	-1,458.88	-617.13	1,529.26	0.00	0.00	0.00
14,300.00	90.00	179.58	12,234.00	-1,558.88	-616.40	1,628.22	0.00	0.00	0.00
14,400.00	90.00	179.58	12,234.00	-1,658.88	-615.67	1,727.19	0.00	0.00	0.00
14,500.00	90.00	179.58	12,234.00	-1,758.88	-614.94	1,826.16	0.00	0.00	0.00
14,600.00	90.00	179.58	12,234.00	-1,858.87	-614.20	1,925.13	0.00	0.00	0.00
14,700.00	90.00	179.58	12,234.00	-1,958.87	-613.47	2,024.10	0.00	0.00	0.00
14,800.00	90.00	179.58	12,234.00	-2,058.87	-612.74	2,123.07	0.00	0.00	0.00
14,900.00	90.00	179.58	12,234.00	-2,158.87	-612.00	2,222.04	0.00	0.00	0.00
15,000.00	90.00	179.58	12,234.00	-2,258.86	-611.27	2,321.01	0.00	0.00	0.00
15,100.00	90.00	179.58	12,234.00	-2,358.86	-610.54	2,419.97	0.00	0.00	0.00
15,200.00	90.00	179.58	12,234.00	-2,458.86	-609.80	2,518.94	0.00	0.00	0.00
15,300.00	90.00	179.58	12,234.00	-2,558.86	-609.07	2,617.91	0.00	0.00	0.00
15,400.00	90.00	179.58	12,234.00	-2,658.85	-608.34	2,716.88	0.00	0.00	0.00
15,500.00	90.00	179.58	12,234.00	-2,758.85	-607.61	2,815.85	0.00	0.00	0.00
15,600.00	90.00	179.58	12,234.00	-2,858.85	-606.87	2,914.82	0.00	0.00	0.00
15,700.00	90.00	179.58	12,234.00	-2,958.84	-606.14	3,013.79	0.00	0.00	0.00
15,800.00	90.00	179.58	12,234.00	-3,058.84	-605.41	3,112.75	0.00	0.00	0.00
15,900.00	90.00	179.58	12,234.00	-3,158.84	-604.67	3,211.72	0.00	0.00	0.00
16,000.00	90.00	179.58	12,234.00	-3,258.84	-603.94	3,310.69	0.00	0.00	0.00
16,100.00	90.00	179.58	12,234.00	-3,358.83	-603.21	3,409.66	0.00	0.00	0.00
16,200.00	90.00	179.58	12,234.00	-3,458.83	-602.47	3,508.63	0.00	0.00	0.00
16,300.00	90.00	179.58	12,234.00	-3,558.83	-601.74	3,607.60	0.00	0.00	0.00
16,400.00	90.00	179.58	12,234.00	-3,658.83	-601.01	3,706.57	0.00	0.00	0.00
16,500.00	90.00	179.58	12,234.00	-3,758.82	-600.28	3,805.54	0.00	0.00	0.00
16,600.00	90.00	179.58	12,234.00	-3,858.82	-599.54	3,904.50	0.00	0.00	0.00
16,700.00	90.00	179.58	12,234.00	-3,958.82	-598.81	4,003.47	0.00	0.00	0.00
16,800.00	90.00	179.58	12,234.00	-4,058.81	-598.08	4,102.44	0.00	0.00	0.00
16,900.00	90.00	179.58	12,234.00	-4,158.81	-597.34	4,201.41	0.00	0.00	0.00
17,000.00	90.00	179.58	12,234.00	-4,258.81	-596.61	4,300.38	0.00	0.00	0.00
17,083.19	90.00	179.58	12,234.00	-4,342.00	-596.00	4,382.71	0.00	0.00	0.00

PBHL (Lomas Rojas 26 State #603H)



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: #603H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #603H
TVD Reference: KB = 25' @ 3369.00usft
MD Reference: KB = 25' @ 3369.00usft
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 (Lomas Rojas 26 S)	0.00	0.00	12,234.00	380.00	-630.00	403,870.00	785,187.00	32.10786909	-103.54577920
- plan misses target center by 39.82usft at 12372.28usft MD (12197.61 TVD, 364.00 N, -627.60 E)									
- Point									
PBHL (Lomas Rojas 26	0.00	0.00	12,234.00	-4,342.00	-596.00	399,148.00	785,221.00	32.09488904	-103.54578079
- plan hits target center									
- Point									