

OCD - HOBBS
06/01/2017
RECEIVED



Lea County, NM (NAD 83 NME)

Lomas Rojas 26 State #709H

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: #709H

KB = 35' @ 3361.00ust 3336.00
Northing 403801.00 Easting 787289.50 Latitude 32.10681243 Longitude -103.53899976

SECTION DETAILS

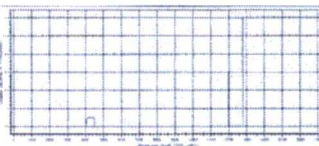
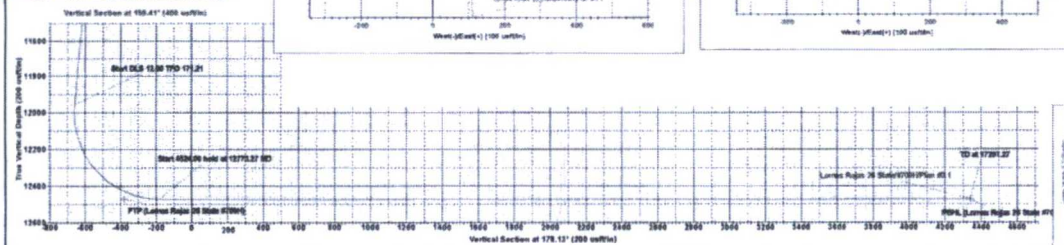
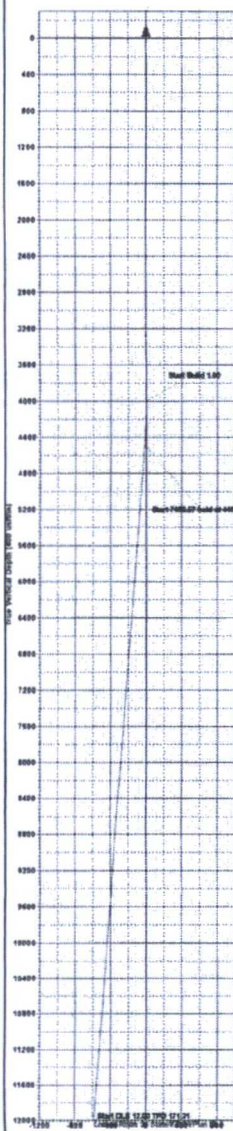
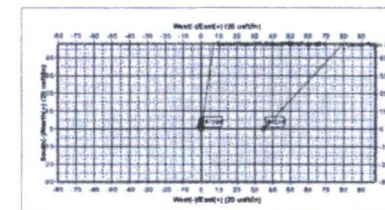
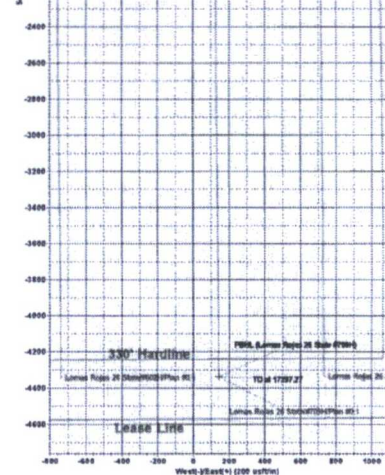
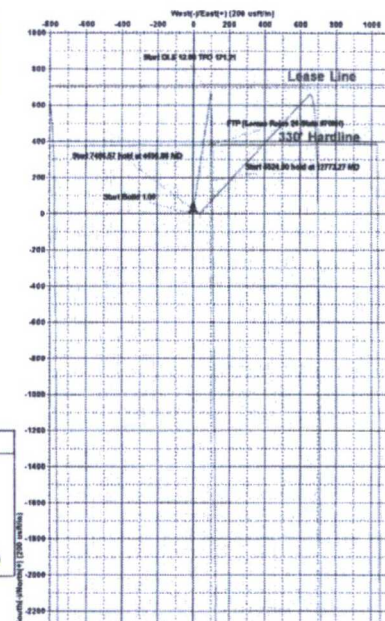
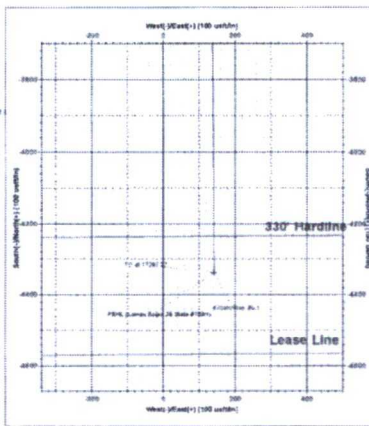
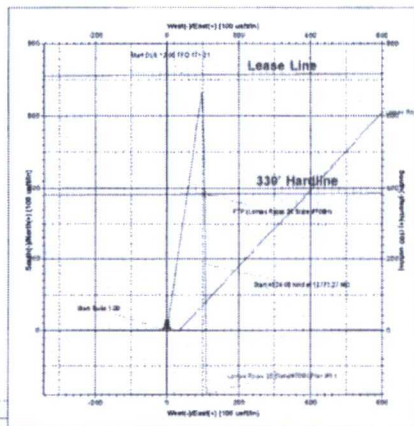
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	
3	4495.86	4.96	8.32	4495.25	21.22	3.10	1.00	8.32	-21.11	
4	11982.43	4.96	8.32	11953.79	661.52	96.76	0.00	0.00	-658.00	
5	12773.27	90.00	179.56	12472.00	185.87	107.26	12.00	171.21	-182.26	
6	17297.27	90.00	179.56	12472.00	-4338.00	142.00	0.00	0.00	4340.32	PBHL (Lomas Rojas 26 State #709H)

CASING DETAILS

No casing data is available

WELLSBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
PTP (Lomas Rojas 26 State #709H)	12472.00	382.00	106.00	403884.90	787355.00
PBHL (Lomas Rojas 26 State #709H)	12472.00	-4338.00	142.00	399183.00	787431.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Lomas Rojas 26 State

#709H

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: #709H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #709H
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	#709H					
Well Position	+N/-S	0.00 usft	Northing:	403,501.00 usft	Latitude:	32.10681242
	+E/-W	-35.00 usft	Easting:	787,289.00 usft	Longitude:	-103.53899976
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	47,877.30073853

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	178.13	

Plan Survey Tool Program	Date	6/1/2017			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	17,297.27 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	
4,495.86	4.96	8.32	4,495.25	21.22	3.10	1.00	1.00	0.00	8.32	
11,982.43	4.96	8.32	11,953.79	661.52	96.76	0.00	0.00	0.00	0.00	
12,773.27	90.00	179.56	12,472.00	185.87	107.26	12.00	10.75	21.65	171.21	
17,297.27	90.00	179.56	12,472.00	-4,338.00	142.00	0.00	0.00	0.00	0.00	PBHL (Lomas Rojas 2



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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	8.32	4,100.00	0.86	0.13	-0.86	1.00	1.00	0.00
4,200.00	2.00	8.32	4,199.96	3.45	0.51	-3.44	1.00	1.00	0.00
4,300.00	3.00	8.32	4,299.86	7.77	1.14	-7.73	1.00	1.00	0.00
4,400.00	4.00	8.32	4,399.68	13.81	2.02	-13.74	1.00	1.00	0.00
4,495.86	4.96	8.32	4,495.25	21.22	3.10	-21.11	1.00	1.00	0.00
4,500.00	4.96	8.32	4,499.37	21.57	3.16	-21.46	0.00	0.00	0.00
4,600.00	4.96	8.32	4,598.99	30.12	4.41	-29.96	0.00	0.00	0.00
4,700.00	4.96	8.32	4,698.62	38.68	5.66	-38.47	0.00	0.00	0.00
4,800.00	4.96	8.32	4,798.24	47.23	6.91	-46.98	0.00	0.00	0.00
4,900.00	4.96	8.32	4,897.87	55.78	8.16	-55.49	0.00	0.00	0.00
5,000.00	4.96	8.32	4,997.49	64.34	9.41	-63.99	0.00	0.00	0.00
5,100.00	4.96	8.32	5,097.12	72.89	10.66	-72.50	0.00	0.00	0.00
5,200.00	4.96	8.32	5,196.75	81.44	11.91	-81.01	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)
5,300.00	4.96	8.32	5,296.37	89.99	13.16	-89.51	0.00	0.00	0.00
5,400.00	4.96	8.32	5,396.00	98.55	14.41	-98.02	0.00	0.00	0.00
5,500.00	4.96	8.32	5,495.62	107.10	15.66	-106.53	0.00	0.00	0.00
5,600.00	4.96	8.32	5,595.25	115.65	16.92	-115.04	0.00	0.00	0.00
5,700.00	4.96	8.32	5,694.87	124.20	18.17	-123.54	0.00	0.00	0.00
5,800.00	4.96	8.32	5,794.50	132.76	19.42	-132.05	0.00	0.00	0.00
5,900.00	4.96	8.32	5,894.13	141.31	20.67	-140.56	0.00	0.00	0.00
6,000.00	4.96	8.32	5,993.75	149.86	21.92	-149.06	0.00	0.00	0.00
6,100.00	4.96	8.32	6,093.38	158.41	23.17	-157.57	0.00	0.00	0.00
6,200.00	4.96	8.32	6,193.00	166.97	24.42	-166.08	0.00	0.00	0.00
6,300.00	4.96	8.32	6,292.63	175.52	25.67	-174.59	0.00	0.00	0.00
6,400.00	4.96	8.32	6,392.25	184.07	26.92	-183.09	0.00	0.00	0.00
6,500.00	4.96	8.32	6,491.88	192.63	28.17	-191.60	0.00	0.00	0.00
6,600.00	4.96	8.32	6,591.51	201.18	29.43	-200.11	0.00	0.00	0.00
6,700.00	4.96	8.32	6,691.13	209.73	30.68	-208.61	0.00	0.00	0.00
6,800.00	4.96	8.32	6,790.76	218.28	31.93	-217.12	0.00	0.00	0.00
6,900.00	4.96	8.32	6,890.38	226.84	33.18	-225.63	0.00	0.00	0.00
7,000.00	4.96	8.32	6,990.01	235.39	34.43	-234.14	0.00	0.00	0.00
7,100.00	4.96	8.32	7,089.64	243.94	35.68	-242.64	0.00	0.00	0.00
7,200.00	4.96	8.32	7,189.26	252.49	36.93	-251.15	0.00	0.00	0.00
7,300.00	4.96	8.32	7,288.89	261.05	38.18	-259.66	0.00	0.00	0.00
7,400.00	4.96	8.32	7,388.51	269.60	39.43	-268.16	0.00	0.00	0.00
7,500.00	4.96	8.32	7,488.14	278.15	40.68	-276.67	0.00	0.00	0.00
7,600.00	4.96	8.32	7,587.76	286.70	41.93	-285.18	0.00	0.00	0.00
7,700.00	4.96	8.32	7,687.39	295.26	43.19	-293.69	0.00	0.00	0.00
7,800.00	4.96	8.32	7,787.02	303.81	44.44	-302.19	0.00	0.00	0.00
7,900.00	4.96	8.32	7,886.64	312.36	45.69	-310.70	0.00	0.00	0.00
8,000.00	4.96	8.32	7,986.27	320.92	46.94	-319.21	0.00	0.00	0.00
8,100.00	4.96	8.32	8,085.89	329.47	48.19	-327.71	0.00	0.00	0.00
8,200.00	4.96	8.32	8,185.52	338.02	49.44	-336.22	0.00	0.00	0.00
8,300.00	4.96	8.32	8,285.14	346.57	50.69	-344.73	0.00	0.00	0.00
8,400.00	4.96	8.32	8,384.77	355.13	51.94	-353.24	0.00	0.00	0.00
8,500.00	4.96	8.32	8,484.40	363.68	53.19	-361.74	0.00	0.00	0.00
8,600.00	4.96	8.32	8,584.02	372.23	54.44	-370.25	0.00	0.00	0.00
8,700.00	4.96	8.32	8,683.65	380.78	55.70	-378.76	0.00	0.00	0.00
8,800.00	4.96	8.32	8,783.27	389.34	56.95	-387.27	0.00	0.00	0.00
8,900.00	4.96	8.32	8,882.90	397.89	58.20	-395.77	0.00	0.00	0.00
9,000.00	4.96	8.32	8,982.52	406.44	59.45	-404.28	0.00	0.00	0.00
9,100.00	4.96	8.32	9,082.15	414.99	60.70	-412.79	0.00	0.00	0.00
9,200.00	4.96	8.32	9,181.78	423.55	61.95	-421.29	0.00	0.00	0.00
9,300.00	4.96	8.32	9,281.40	432.10	63.20	-429.80	0.00	0.00	0.00
9,400.00	4.96	8.32	9,381.03	440.65	64.45	-438.31	0.00	0.00	0.00
9,500.00	4.96	8.32	9,480.65	449.21	65.70	-446.82	0.00	0.00	0.00
9,600.00	4.96	8.32	9,580.28	457.76	66.95	-455.33	0.00	0.00	0.00
9,700.00	4.96	8.32	9,679.90	466.31	68.20	-463.83	0.00	0.00	0.00
9,800.00	4.96	8.32	9,779.53	474.86	69.46	-472.34	0.00	0.00	0.00
9,900.00	4.96	8.32	9,879.16	483.42	70.71	-480.84	0.00	0.00	0.00
10,000.00	4.96	8.32	9,978.78	491.97	71.96	-489.35	0.00	0.00	0.00
10,100.00	4.96	8.32	10,078.41	500.52	73.21	-497.86	0.00	0.00	0.00
10,200.00	4.96	8.32	10,178.03	509.07	74.46	-506.37	0.00	0.00	0.00
10,300.00	4.96	8.32	10,277.66	517.63	75.71	-514.87	0.00	0.00	0.00
10,400.00	4.96	8.32	10,377.28	526.18	76.96	-523.38	0.00	0.00	0.00
10,500.00	4.96	8.32	10,476.91	534.73	78.21	-531.89	0.00	0.00	0.00
10,600.00	4.96	8.32	10,576.54	543.28	79.46	-540.39	0.00	0.00	0.00



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10,700.00	4.96	8.32	10,676.16	551.84	80.71	-548.90	0.00	0.00	0.00
10,800.00	4.96	8.32	10,775.79	560.39	81.97	-557.41	0.00	0.00	0.00
10,900.00	4.96	8.32	10,875.41	568.94	83.22	-565.92	0.00	0.00	0.00
11,000.00	4.96	8.32	10,975.04	577.50	84.47	-574.42	0.00	0.00	0.00
11,100.00	4.96	8.32	11,074.66	586.05	85.72	-582.93	0.00	0.00	0.00
11,200.00	4.96	8.32	11,174.29	594.60	86.97	-591.44	0.00	0.00	0.00
11,300.00	4.96	8.32	11,273.92	603.15	88.22	-599.94	0.00	0.00	0.00
11,400.00	4.96	8.32	11,373.54	611.71	89.47	-608.45	0.00	0.00	0.00
11,500.00	4.96	8.32	11,473.17	620.26	90.72	-616.96	0.00	0.00	0.00
11,600.00	4.96	8.32	11,572.79	628.81	91.97	-625.47	0.00	0.00	0.00
11,700.00	4.96	8.32	11,672.42	637.36	93.22	-633.97	0.00	0.00	0.00
11,800.00	4.96	8.32	11,772.04	645.92	94.48	-642.48	0.00	0.00	0.00
11,900.00	4.96	8.32	11,871.67	654.47	95.73	-650.99	0.00	0.00	0.00
11,982.43	4.96	8.32	11,953.79	661.52	96.76	-658.00	0.00	0.00	0.00
12,000.00	2.89	14.72	11,971.32	662.70	96.98	-659.17	12.00	-11.76	36.42
12,025.00	0.79	104.90	11,996.31	663.27	97.31	-659.73	12.00	-8.43	360.74
12,050.00	3.30	166.29	12,021.29	662.52	97.64	-658.97	12.00	10.04	245.55
12,075.00	6.25	172.63	12,046.20	660.47	97.99	-656.92	12.00	11.83	25.36
12,100.00	9.24	174.90	12,070.97	657.12	98.34	-653.56	12.00	11.94	9.07
12,125.00	12.23	176.06	12,095.53	652.48	98.70	-648.90	12.00	11.97	4.66
12,150.00	15.23	176.78	12,119.81	646.56	99.07	-642.97	12.00	11.98	2.85
12,175.00	18.22	177.26	12,143.75	639.38	99.44	-635.78	12.00	11.99	1.93
12,200.00	21.22	177.61	12,167.29	630.95	99.81	-627.35	12.00	11.99	1.40
12,225.00	24.22	177.88	12,190.34	621.30	100.19	-617.69	12.00	11.99	1.07
12,250.00	27.22	178.09	12,212.86	610.46	100.57	-606.85	12.00	11.99	0.84
12,275.00	30.22	178.26	12,234.79	598.46	100.95	-594.84	12.00	12.00	0.69
12,300.00	33.22	178.40	12,256.05	585.32	101.34	-581.69	12.00	12.00	0.57
12,325.00	36.21	178.53	12,276.60	571.09	101.72	-567.46	12.00	12.00	0.49
12,350.00	39.21	178.63	12,296.37	555.81	102.10	-552.17	12.00	12.00	0.42
12,375.00	42.21	178.73	12,315.32	539.51	102.47	-535.86	12.00	12.00	0.37
12,400.00	45.21	178.81	12,333.39	522.23	102.84	-518.59	12.00	12.00	0.33
12,425.00	48.21	178.88	12,350.53	504.04	103.21	-500.40	12.00	12.00	0.30
12,450.00	51.21	178.95	12,366.69	484.98	103.57	-481.33	12.00	12.00	0.27
12,475.00	54.21	179.01	12,381.84	465.09	103.92	-461.44	12.00	12.00	0.25
12,500.00	57.21	179.07	12,395.92	444.44	104.27	-440.79	12.00	12.00	0.23
12,525.00	60.21	179.13	12,408.90	423.08	104.60	-419.44	12.00	12.00	0.22
12,550.00	63.21	179.18	12,420.75	401.08	104.93	-397.43	12.00	12.00	0.20
12,575.00	66.21	179.23	12,431.43	378.48	105.24	-374.83	12.00	12.00	0.19
12,586.22	67.56	179.25	12,435.83	368.16	105.38	-364.52	12.00	12.00	0.19
FTP (Lomas Rojas 26 State #709H)									
12,600.00	69.21	179.27	12,440.91	355.35	105.55	-351.71	12.00	12.00	0.18
12,625.00	72.21	179.32	12,449.17	331.76	105.84	-328.12	12.00	12.00	0.18
12,650.00	75.21	179.36	12,456.18	307.77	106.11	-304.13	12.00	12.00	0.17
12,675.00	78.21	179.40	12,461.92	283.44	106.38	-279.81	12.00	12.00	0.17
12,700.00	81.21	179.44	12,466.39	258.85	106.62	-255.22	12.00	12.00	0.16
12,725.00	84.21	179.48	12,469.56	234.05	106.86	-230.43	12.00	12.00	0.16
12,750.00	87.21	179.52	12,471.43	209.13	107.07	-205.51	12.00	12.00	0.16
12,773.27	90.00	179.56	12,472.00	185.87	107.26	-182.26	12.00	12.00	0.16
12,800.00	90.00	179.56	12,472.00	159.14	107.46	-155.54	0.00	0.00	0.00
12,900.00	90.00	179.56	12,472.00	59.14	108.23	-55.57	0.00	0.00	0.00
13,000.00	90.00	179.56	12,472.00	-40.86	109.00	44.40	0.00	0.00	0.00
13,100.00	90.00	179.56	12,472.00	-140.86	109.77	144.37	0.00	0.00	0.00
13,200.00	90.00	179.56	12,472.00	-240.85	110.54	244.34	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: #709H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #709H
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)
13,300.00	90.00	179.56	12,472.00	-340.85	111.30	344.31	0.00	0.00	0.00
13,400.00	90.00	179.56	12,472.00	-440.85	112.07	444.28	0.00	0.00	0.00
13,500.00	90.00	179.56	12,472.00	-540.84	112.84	544.25	0.00	0.00	0.00
13,600.00	90.00	179.56	12,472.00	-640.84	113.61	644.21	0.00	0.00	0.00
13,700.00	90.00	179.56	12,472.00	-740.84	114.38	744.18	0.00	0.00	0.00
13,800.00	90.00	179.56	12,472.00	-840.83	115.14	844.15	0.00	0.00	0.00
13,900.00	90.00	179.56	12,472.00	-940.83	115.91	944.12	0.00	0.00	0.00
14,000.00	90.00	179.56	12,472.00	-1,040.83	116.68	1,044.09	0.00	0.00	0.00
14,100.00	90.00	179.56	12,472.00	-1,140.83	117.45	1,144.06	0.00	0.00	0.00
14,200.00	90.00	179.56	12,472.00	-1,240.82	118.21	1,244.03	0.00	0.00	0.00
14,300.00	90.00	179.56	12,472.00	-1,340.82	118.98	1,343.99	0.00	0.00	0.00
14,400.00	90.00	179.56	12,472.00	-1,440.82	119.75	1,443.96	0.00	0.00	0.00
14,500.00	90.00	179.56	12,472.00	-1,540.81	120.52	1,543.93	0.00	0.00	0.00
14,600.00	90.00	179.56	12,472.00	-1,640.81	121.29	1,643.90	0.00	0.00	0.00
14,700.00	90.00	179.56	12,472.00	-1,740.81	122.05	1,743.87	0.00	0.00	0.00
14,800.00	90.00	179.56	12,472.00	-1,840.80	122.82	1,843.84	0.00	0.00	0.00
14,900.00	90.00	179.56	12,472.00	-1,940.80	123.59	1,943.81	0.00	0.00	0.00
15,000.00	90.00	179.56	12,472.00	-2,040.80	124.36	2,043.78	0.00	0.00	0.00
15,100.00	90.00	179.56	12,472.00	-2,140.80	125.13	2,143.74	0.00	0.00	0.00
15,200.00	90.00	179.56	12,472.00	-2,240.79	125.89	2,243.71	0.00	0.00	0.00
15,300.00	90.00	179.56	12,472.00	-2,340.79	126.66	2,343.68	0.00	0.00	0.00
15,400.00	90.00	179.56	12,472.00	-2,440.79	127.43	2,443.65	0.00	0.00	0.00
15,500.00	90.00	179.56	12,472.00	-2,540.78	128.20	2,543.62	0.00	0.00	0.00
15,600.00	90.00	179.56	12,472.00	-2,640.78	128.97	2,643.59	0.00	0.00	0.00
15,700.00	90.00	179.56	12,472.00	-2,740.78	129.73	2,743.56	0.00	0.00	0.00
15,800.00	90.00	179.56	12,472.00	-2,840.78	130.50	2,843.52	0.00	0.00	0.00
15,900.00	90.00	179.56	12,472.00	-2,940.77	131.27	2,943.49	0.00	0.00	0.00
16,000.00	90.00	179.56	12,472.00	-3,040.77	132.04	3,043.46	0.00	0.00	0.00
16,100.00	90.00	179.56	12,472.00	-3,140.77	132.81	3,143.43	0.00	0.00	0.00
16,200.00	90.00	179.56	12,472.00	-3,240.76	133.57	3,243.40	0.00	0.00	0.00
16,300.00	90.00	179.56	12,472.00	-3,340.76	134.34	3,343.37	0.00	0.00	0.00
16,400.00	90.00	179.56	12,472.00	-3,440.76	135.11	3,443.34	0.00	0.00	0.00
16,500.00	90.00	179.56	12,472.00	-3,540.75	135.88	3,543.30	0.00	0.00	0.00
16,600.00	90.00	179.56	12,472.00	-3,640.75	136.65	3,643.27	0.00	0.00	0.00
16,700.00	90.00	179.56	12,472.00	-3,740.75	137.41	3,743.24	0.00	0.00	0.00
16,800.00	90.00	179.56	12,472.00	-3,840.75	138.18	3,843.21	0.00	0.00	0.00
16,900.00	90.00	179.56	12,472.00	-3,940.74	138.95	3,943.18	0.00	0.00	0.00
17,000.00	90.00	179.56	12,472.00	-4,040.74	139.72	4,043.15	0.00	0.00	0.00
17,100.00	90.00	179.56	12,472.00	-4,140.74	140.49	4,143.12	0.00	0.00	0.00
17,200.00	90.00	179.56	12,472.00	-4,240.73	141.25	4,243.09	0.00	0.00	0.00
17,297.27	90.00	179.56	12,472.00	-4,338.00	142.00	4,340.32	0.00	0.00	0.00

PBHL (Lomas Rojas 26 State #709H)



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: #709H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #709H
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
FTP (Lomas Rojas 26 S) - plan misses target center by 39.10usft at 12586.21usft MD (12435.83 TVD, 368.16 N, 105.38 E) - Point	0.00	0.00	12,472.00	383.00	106.00	403,884.00	787,395.00	32.10786302	-103.53864833
PBHL (Lomas Rojas 26 - plan hits target center - Point	0.00	0.00	12,472.00	-4,338.00	142.00	399,163.00	787,431.00	32.09488571	-103.53864445