

Permit Information:

HOBBS OCD

Well Name: Lomas Rojas 26 State Com No. 702H

MAY 20 2015

Location:

RECEIVED

SL: 722' FNL & 957' FEL, Section 26, T-25-S, R-33-E, Lea Co., N.M.

BHL: 230' FSL & 990' FEL, Section 26, T-25-S, R-33-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 – 1085'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0-4000'	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	4000' – 5000'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0'-17,281'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Slurry Description
1085'	400	13.5	1.73	Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	200	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
5,000'	800	12.7	2.22	Class 'C' + 1.50% R-3 + 0.25 lb/sk Cello-Flake + 2.0% Sodium Metasilicate + 10% Salt + 0.005 lb/sk Static Free (TOC @ Surface)
	200	14.8	1.32	Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
17,281'	375	10.8	3.67	60:40:0 Class C + 15.0 pps BA-90 + 4% MPA-5 + 3.0% SMS + 5.0% A-10 + 1.0% BA-10A + 0.80% ASA-301 + 2.55% R-21 + 8.0 pps LCM-1 (TOC @ 4500')
	300	11.8	2.38	50:50:10 Class H + 0.80% FL-52 + 0.30% ASA-301 + 0.40% SMS + 2.0% Salt + 0.30% R-21 + 3.0 pps LCM-1 + 0.25 pps Celloflake
	1400	14.2	1.28	50:50:2 Class H + 0.65% FL-52 + 0.45% CD-32 + 0.10% SMS + 2.0% Salt

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1085'	Fresh - Gel	8.6-8.8	28-34	N/c
1085' – 5,000'	Oil Base	8.7-9.4	58-68	N/c - 6
5,000' – 11,904'	Oil Base	8.7-9.4	58-68	N/c - 6
11,904' – 17,281' Lateral	Oil Base	9.0-9.5	58-68	N/c - 6

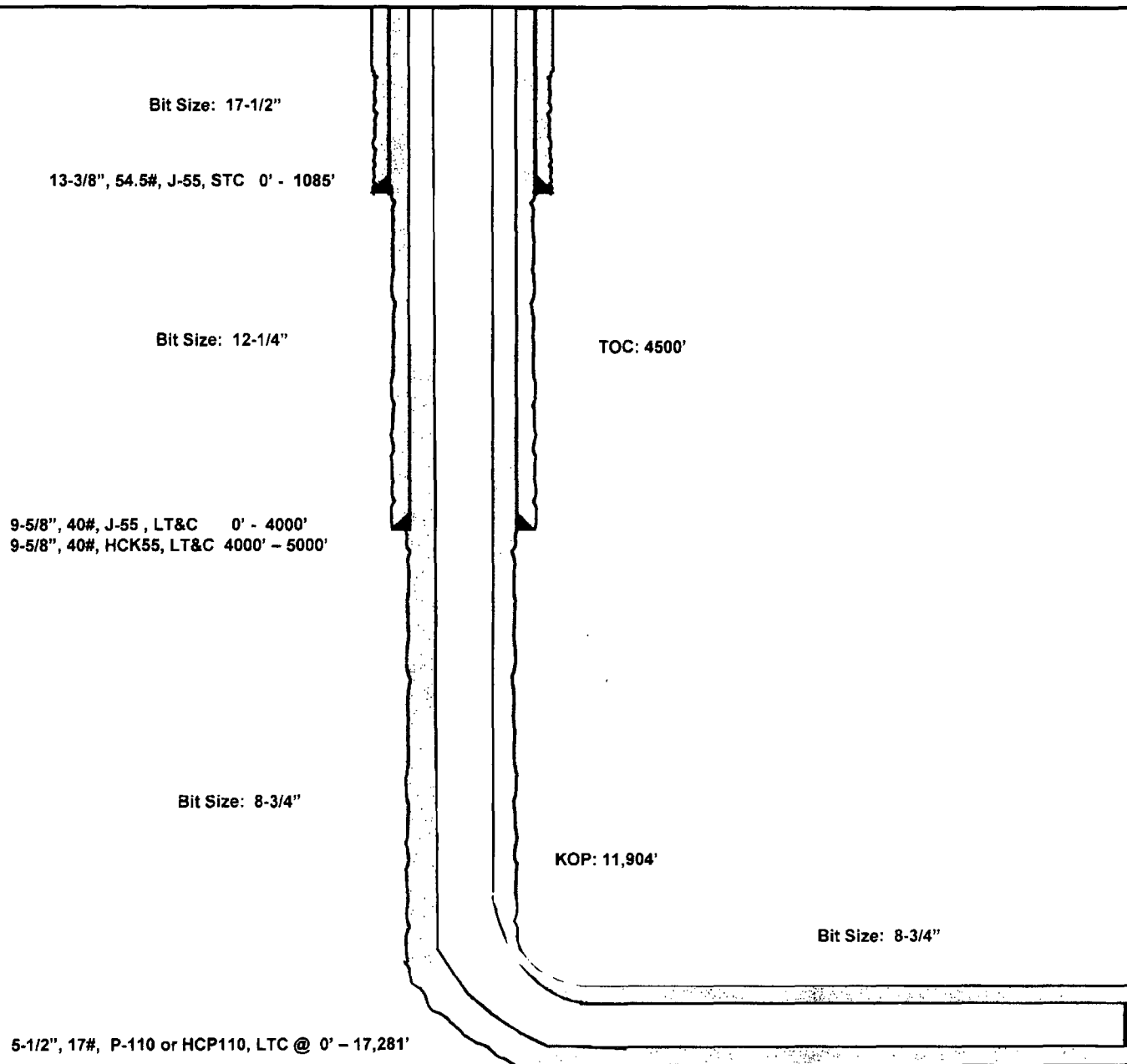
MAY 21 2015

**Lomas Rojas 26 State Com #702H
Lea County, New Mexico**

**722' FNL
957' FEL
Section 26
T-25-S, R-33-E**

**Proposed Wellbore
Revised 5/20/15
API: 30-025-42567**

**KB: 3,361'
GL: 3,336'**



Lateral: 17,281' MD, 12,480' TVD

**BH Location: 230' FSL & 990' FEL
Section 26
T-25-S, R-33-E**



Lea County, NM (NAD 27 NME)

Lomas Rojas 26 State #702H

Precision 612

Plan #1

PROJECT DETAILS: Lea County, NM (NAD 27 NME)

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

WELL DETAILS: #702H

Ground Level: 3336.0
KB = 25 @ 3361.0m (Precision 612)
Northing: 403437.00 Easting: 746508.00 Longitude: 32° 6' 23.984 N 103° 32' 13.995 W

SECTION DETAILS

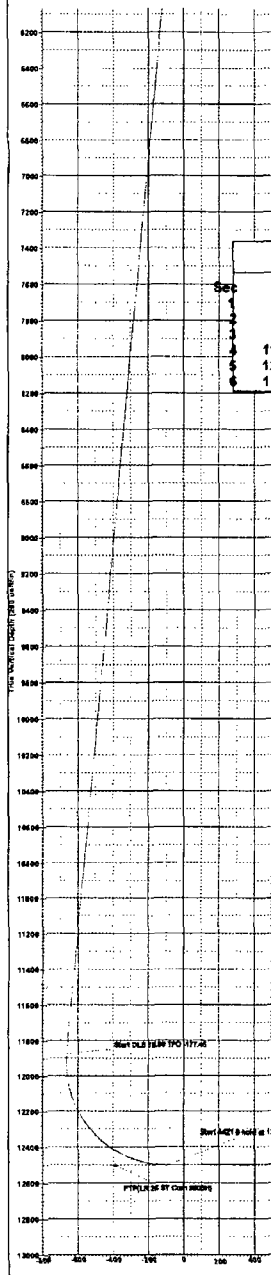
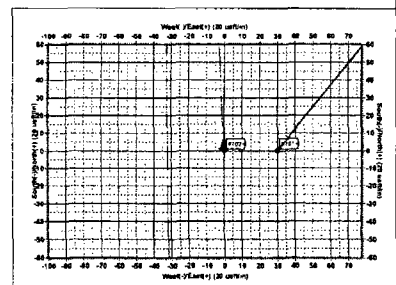
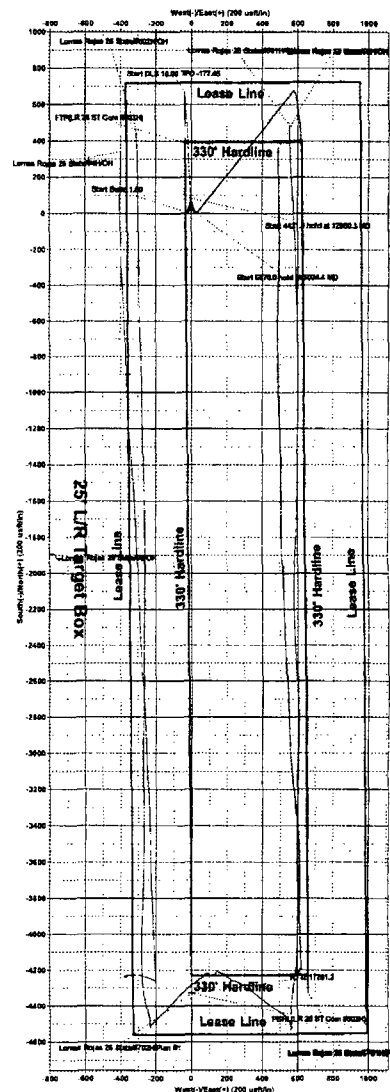
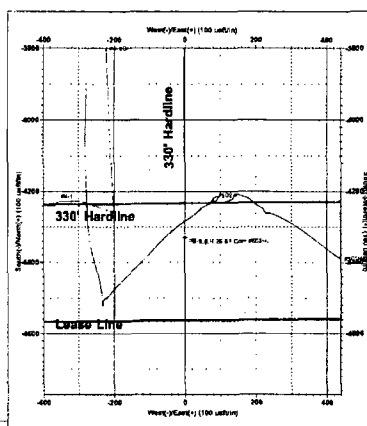
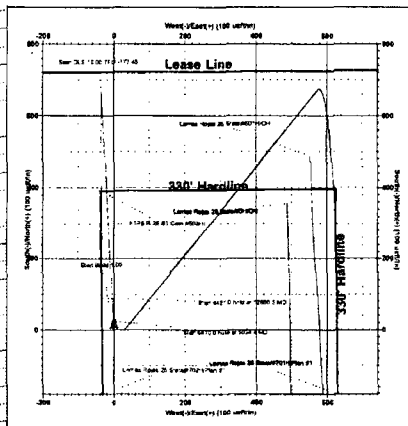
Set	MD	Inc	Azi	TVD	+N/-S	+E/-W	Diag	TFace	VFace	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4500.0	0.00	0.00	4500.0	0.0	0.0	0.00	0.00	0.0	
3	5034.4	5.34	357.03	5033.6	24.9	-1.3	1.00	357.03	-24.9	
4	11904.3	5.34	357.03	11873.7	663.8	-34.4	0.00	0.00	-863.8	
5	12860.3	90.25	179.58	12500.0	90.8	-32.8	10.00	-177.45	-90.8	
6	17281.2	90.25	179.58	12480.3	-4330.0	0.0	0.00	0.00	4330.0	PBHL(LR 26 ST Com #503H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
PBHL(LR 26 ST Com #503H)	12480.3	-4330.0	0.0	399167.00	746588.00
FTPL(LR 26 ST Com #503H)	12500.0	391.9	-35.0	403825.00	746473.00





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Lomas Rojas 26 State

#702H

OH

Plan: Plan #1

Standard Planning Report

20 May, 2015



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Lomas Rojas 26 State
Well: #702H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #702H
TVD Reference: KB = 25 @ 3361.0usft (Precision 612)
MD Reference: KB = 25 @ 3361.0usft (Precision 612)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	Lea County, NM (NAD 27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Lomas Rojas 26 State			
Site Position:		Northing:	399,208.00 usft	Latitude: 32° 5' 42.127 N
From: Map		Easting:	746,622.00 usft	Longitude: 103° 32' 13.033 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.42 °

Well	#702H			
Well Position	+N/-S	4,229.0 usft	Northing:	403,437.00 usft
	+E/-W	-114.0 usft	Easting:	746,508.00 usft
Position Uncertainty	0.0 usft		Wellhead Elevation:	0.0 usft
			Ground Level:	3,336.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	6/1/2015	7.15	59.99	48,083

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	180.00

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	
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,034.4	5.34	357.03	5,033.6	24.9	-1.3	1.00	1.00	0.00	357.03	
11,904.3	5.34	357.03	11,873.7	663.8	-34.4	0.00	0.00	0.00	0.00	
12,860.3	90.25	179.58	12,500.0	90.8	-32.8	10.00	8.88	-18.56	-177.45	
17,281.2	90.25	179.58	12,480.3	-4,330.0	0.0	0.00	0.00	0.00	0.00	PBHL(LR 26 ST Com



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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)
0.0	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	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	1.00	357.03	4,600.0	0.9	0.0	-0.9	1.00	1.00	0.00
4,700.0	2.00	357.03	4,700.0	3.5	-0.2	-3.5	1.00	1.00	0.00
4,800.0	3.00	357.03	4,799.9	7.8	-0.4	-7.8	1.00	1.00	0.00
4,900.0	4.00	357.03	4,899.7	13.9	-0.7	-13.9	1.00	1.00	0.00
5,000.0	5.00	357.03	4,999.4	21.8	-1.1	-21.8	1.00	1.00	0.00
5,034.4	5.34	357.03	5,033.6	24.9	-1.3	-24.9	1.00	1.00	0.00
5,100.0	5.34	357.03	5,098.9	31.0	-1.6	-31.0	0.00	0.00	0.00
5,200.0	5.34	357.03	5,198.5	40.3	-2.1	-40.3	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)
5,300.0	5.34	357.03	5,298.1	49.6	-2.6	-49.6	0.00	0.00	0.00
5,400.0	5.34	357.03	5,397.6	58.9	-3.1	-58.9	0.00	0.00	0.00
5,500.0	5.34	357.03	5,497.2	68.2	-3.5	-68.2	0.00	0.00	0.00
5,600.0	5.34	357.03	5,596.8	77.5	-4.0	-77.5	0.00	0.00	0.00
5,700.0	5.34	357.03	5,696.3	86.8	-4.5	-86.8	0.00	0.00	0.00
5,800.0	5.34	357.03	5,795.9	96.1	-5.0	-96.1	0.00	0.00	0.00
5,900.0	5.34	357.03	5,895.5	105.4	-5.5	-105.4	0.00	0.00	0.00
6,000.0	5.34	357.03	5,995.0	114.7	-5.9	-114.7	0.00	0.00	0.00
6,100.0	5.34	357.03	6,094.6	124.0	-6.4	-124.0	0.00	0.00	0.00
6,200.0	5.34	357.03	6,194.2	133.3	-6.9	-133.3	0.00	0.00	0.00
6,300.0	5.34	357.03	6,293.7	142.6	-7.4	-142.6	0.00	0.00	0.00
6,400.0	5.34	357.03	6,393.3	151.9	-7.9	-151.9	0.00	0.00	0.00
6,500.0	5.34	357.03	6,492.9	161.2	-8.4	-161.2	0.00	0.00	0.00
6,600.0	5.34	357.03	6,592.4	170.5	-8.8	-170.5	0.00	0.00	0.00
6,700.0	5.34	357.03	6,692.0	179.8	-9.3	-179.8	0.00	0.00	0.00
6,800.0	5.34	357.03	6,791.6	189.1	-9.8	-189.1	0.00	0.00	0.00
6,900.0	5.34	357.03	6,891.1	198.4	-10.3	-198.4	0.00	0.00	0.00
7,000.0	5.34	357.03	6,990.7	207.7	-10.8	-207.7	0.00	0.00	0.00
7,100.0	5.34	357.03	7,090.2	217.0	-11.2	-217.0	0.00	0.00	0.00
7,200.0	5.34	357.03	7,189.8	226.3	-11.7	-226.3	0.00	0.00	0.00
7,300.0	5.34	357.03	7,289.4	235.6	-12.2	-235.6	0.00	0.00	0.00
7,400.0	5.34	357.03	7,388.9	244.9	-12.7	-244.9	0.00	0.00	0.00
7,500.0	5.34	357.03	7,488.5	254.2	-13.2	-254.2	0.00	0.00	0.00
7,600.0	5.34	357.03	7,588.1	263.5	-13.7	-263.5	0.00	0.00	0.00
7,700.0	5.34	357.03	7,687.6	272.8	-14.1	-272.8	0.00	0.00	0.00
7,800.0	5.34	357.03	7,787.2	282.1	-14.6	-282.1	0.00	0.00	0.00
7,900.0	5.34	357.03	7,886.8	291.4	-15.1	-291.4	0.00	0.00	0.00
8,000.0	5.34	357.03	7,986.3	300.7	-15.6	-300.7	0.00	0.00	0.00
8,100.0	5.34	357.03	8,085.9	310.0	-16.1	-310.0	0.00	0.00	0.00
8,200.0	5.34	357.03	8,185.5	319.3	-16.6	-319.3	0.00	0.00	0.00
8,300.0	5.34	357.03	8,285.0	328.6	-17.0	-328.6	0.00	0.00	0.00
8,400.0	5.34	357.03	8,384.6	337.9	-17.5	-337.9	0.00	0.00	0.00
8,500.0	5.34	357.03	8,484.2	347.2	-18.0	-347.2	0.00	0.00	0.00
8,600.0	5.34	357.03	8,583.7	356.5	-18.5	-356.5	0.00	0.00	0.00
8,700.0	5.34	357.03	8,683.3	365.8	-19.0	-365.8	0.00	0.00	0.00
8,800.0	5.34	357.03	8,782.9	375.1	-19.4	-375.1	0.00	0.00	0.00
8,900.0	5.34	357.03	8,882.4	384.4	-19.9	-384.4	0.00	0.00	0.00
9,000.0	5.34	357.03	8,982.0	393.7	-20.4	-393.7	0.00	0.00	0.00
9,100.0	5.34	357.03	9,081.6	403.0	-20.9	-403.0	0.00	0.00	0.00
9,200.0	5.34	357.03	9,181.1	412.3	-21.4	-412.3	0.00	0.00	0.00
9,300.0	5.34	357.03	9,280.7	421.6	-21.9	-421.6	0.00	0.00	0.00
9,400.0	5.34	357.03	9,380.3	430.9	-22.3	-430.9	0.00	0.00	0.00
9,500.0	5.34	357.03	9,479.8	440.2	-22.8	-440.2	0.00	0.00	0.00
9,600.0	5.34	357.03	9,579.4	449.5	-23.3	-449.5	0.00	0.00	0.00
9,700.0	5.34	357.03	9,678.9	458.8	-23.8	-458.8	0.00	0.00	0.00
9,800.0	5.34	357.03	9,778.5	468.1	-24.3	-468.1	0.00	0.00	0.00
9,900.0	5.34	357.03	9,878.1	477.4	-24.7	-477.4	0.00	0.00	0.00
10,000.0	5.34	357.03	9,977.6	486.7	-25.2	-486.7	0.00	0.00	0.00
10,100.0	5.34	357.03	10,077.2	496.0	-25.7	-496.0	0.00	0.00	0.00
10,200.0	5.34	357.03	10,176.8	505.3	-26.2	-505.3	0.00	0.00	0.00
10,300.0	5.34	357.03	10,276.3	514.6	-26.7	-514.6	0.00	0.00	0.00
10,400.0	5.34	357.03	10,375.9	523.9	-27.2	-523.9	0.00	0.00	0.00
10,500.0	5.34	357.03	10,475.5	533.2	-27.6	-533.2	0.00	0.00	0.00
10,600.0	5.34	357.03	10,575.0	542.5	-28.1	-542.5	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Lomas Rojas 26 State
Well: #702H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #702H
TVD Reference: KB = 25 @ 3361.0usft (Precision 612)
MD Reference: KB = 25 @ 3361.0usft (Precision 612)
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	5.34	357.03	10,674.6	551.8	-28.6	-551.8	0.00	0.00	0.00
10,800.0	5.34	357.03	10,774.2	561.1	-29.1	-561.1	0.00	0.00	0.00
10,900.0	5.34	357.03	10,873.7	570.4	-29.6	-570.4	0.00	0.00	0.00
11,000.0	5.34	357.03	10,973.3	579.7	-30.1	-579.7	0.00	0.00	0.00
11,100.0	5.34	357.03	11,072.9	589.0	-30.5	-589.0	0.00	0.00	0.00
11,200.0	5.34	357.03	11,172.4	598.3	-31.0	-598.3	0.00	0.00	0.00
11,300.0	5.34	357.03	11,272.0	607.6	-31.5	-607.6	0.00	0.00	0.00
11,400.0	5.34	357.03	11,371.6	616.9	-32.0	-616.9	0.00	0.00	0.00
11,500.0	5.34	357.03	11,471.1	626.2	-32.5	-626.2	0.00	0.00	0.00
11,600.0	5.34	357.03	11,570.7	635.5	-32.9	-635.5	0.00	0.00	0.00
11,700.0	5.34	357.03	11,670.3	644.8	-33.4	-644.8	0.00	0.00	0.00
11,800.0	5.34	357.03	11,769.8	654.1	-33.9	-654.1	0.00	0.00	0.00
11,904.3	5.34	357.03	11,873.7	663.8	-34.4	-663.8	0.00	0.00	0.00
11,950.0	0.81	342.47	11,919.3	666.3	-34.6	-666.3	10.00	-9.93	-31.90
12,000.0	4.23	182.79	11,969.3	664.8	-34.8	-664.8	10.00	6.85	-319.36
12,050.0	9.23	181.04	12,018.9	658.9	-35.0	-658.9	10.00	9.99	-3.50
12,100.0	14.23	180.51	12,067.8	648.7	-35.1	-648.7	10.00	10.00	-1.05
12,150.0	19.23	180.26	12,115.7	634.3	-35.2	-634.3	10.00	10.00	-0.51
12,200.0	24.23	180.10	12,162.1	615.8	-35.3	-615.8	10.00	10.00	-0.31
12,250.0	29.23	180.00	12,206.8	593.4	-35.3	-593.4	10.00	10.00	-0.21
12,300.0	34.23	179.93	12,249.3	567.1	-35.3	-567.1	10.00	10.00	-0.15
12,350.0	39.23	179.87	12,289.4	537.2	-35.2	-537.2	10.00	10.00	-0.12
12,400.0	44.23	179.82	12,326.7	503.9	-35.1	-503.9	10.00	10.00	-0.09
12,450.0	49.23	179.78	12,360.9	467.5	-35.0	-467.5	10.00	10.00	-0.08
12,500.0	54.23	179.75	12,391.9	428.3	-34.8	-428.3	10.00	10.00	-0.07
12,550.0	59.23	179.72	12,419.3	386.5	-34.6	-386.5	10.00	10.00	-0.06
12,584.3	62.65	179.70	12,435.9	356.5	-34.5	-356.5	10.00	10.00	-0.05
FTP(LR 26 ST Com #603H)									
12,600.0	64.23	179.69	12,443.0	342.5	-34.4	-342.5	10.00	10.00	-0.05
12,650.0	69.23	179.67	12,462.7	296.6	-34.1	-296.6	10.00	10.00	-0.05
12,700.0	74.23	179.64	12,478.4	249.1	-33.9	-249.1	10.00	10.00	-0.05
12,750.0	79.23	179.62	12,489.9	200.4	-33.5	-200.4	10.00	10.00	-0.04
12,800.0	84.23	179.60	12,497.1	151.0	-33.2	-151.0	10.00	10.00	-0.04
12,850.0	89.23	179.58	12,499.9	101.1	-32.9	-101.1	10.00	10.00	-0.04
12,860.3	90.25	179.58	12,500.0	90.8	-32.8	-90.8	10.00	10.00	-0.04
12,900.0	90.25	179.58	12,499.8	51.1	-32.5	-51.1	0.00	0.00	0.00
13,000.0	90.25	179.58	12,499.3	-48.9	-31.7	48.9	0.00	0.00	0.00
13,100.0	90.25	179.58	12,498.9	-148.9	-31.0	148.9	0.00	0.00	0.00
13,200.0	90.25	179.58	12,498.5	-248.9	-30.3	248.9	0.00	0.00	0.00
13,300.0	90.25	179.58	12,498.0	-348.9	-29.5	348.9	0.00	0.00	0.00
13,400.0	90.25	179.58	12,497.6	-448.9	-28.8	448.9	0.00	0.00	0.00
13,500.0	90.25	179.58	12,497.1	-548.9	-28.0	548.9	0.00	0.00	0.00
13,600.0	90.25	179.58	12,496.7	-648.9	-27.3	648.9	0.00	0.00	0.00
13,700.0	90.25	179.58	12,496.2	-748.9	-26.5	748.9	0.00	0.00	0.00
13,800.0	90.25	179.58	12,495.8	-848.9	-25.8	848.9	0.00	0.00	0.00
13,900.0	90.25	179.58	12,495.3	-948.9	-25.1	948.9	0.00	0.00	0.00
14,000.0	90.25	179.58	12,494.9	-1,048.9	-24.3	1,048.9	0.00	0.00	0.00
14,100.0	90.25	179.58	12,494.5	-1,148.9	-23.6	1,148.9	0.00	0.00	0.00
14,200.0	90.25	179.58	12,494.0	-1,248.9	-22.8	1,248.9	0.00	0.00	0.00
14,300.0	90.25	179.58	12,493.6	-1,348.9	-22.1	1,348.9	0.00	0.00	0.00
14,400.0	90.25	179.58	12,493.1	-1,448.9	-21.4	1,448.9	0.00	0.00	0.00
14,500.0	90.25	179.58	12,492.7	-1,548.9	-20.6	1,548.9	0.00	0.00	0.00
14,600.0	90.25	179.58	12,492.2	-1,648.9	-19.9	1,648.9	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Lomas Rojas 26 State
Well: #702H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #702H
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MD Reference: KB = 25 @ 3361.0usft (Precision 612)
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)
14,700.0	90.25	179.58	12,491.8	-1,748.9	-19.1	1,748.9	0.00	0.00	0.00
14,800.0	90.25	179.58	12,491.3	-1,848.8	-18.4	1,848.8	0.00	0.00	0.00
14,900.0	90.25	179.58	12,490.9	-1,948.8	-17.7	1,948.8	0.00	0.00	0.00
15,000.0	90.25	179.58	12,490.4	-2,048.8	-16.9	2,048.8	0.00	0.00	0.00
15,100.0	90.25	179.58	12,490.0	-2,148.8	-16.2	2,148.8	0.00	0.00	0.00
15,200.0	90.25	179.58	12,489.6	-2,248.8	-15.4	2,248.8	0.00	0.00	0.00
15,300.0	90.25	179.58	12,489.1	-2,348.8	-14.7	2,348.8	0.00	0.00	0.00
15,400.0	90.25	179.58	12,488.7	-2,448.8	-13.9	2,448.8	0.00	0.00	0.00
15,500.0	90.25	179.58	12,488.2	-2,548.8	-13.2	2,548.8	0.00	0.00	0.00
15,600.0	90.25	179.58	12,487.8	-2,648.8	-12.5	2,648.8	0.00	0.00	0.00
15,700.0	90.25	179.58	12,487.3	-2,748.8	-11.7	2,748.8	0.00	0.00	0.00
15,800.0	90.25	179.58	12,486.9	-2,848.8	-11.0	2,848.8	0.00	0.00	0.00
15,900.0	90.25	179.58	12,486.4	-2,948.8	-10.2	2,948.8	0.00	0.00	0.00
16,000.0	90.25	179.58	12,486.0	-3,048.8	-9.5	3,048.8	0.00	0.00	0.00
16,100.0	90.25	179.58	12,485.6	-3,148.8	-8.8	3,148.8	0.00	0.00	0.00
16,200.0	90.25	179.58	12,485.1	-3,248.8	-8.0	3,248.8	0.00	0.00	0.00
16,300.0	90.25	179.58	12,484.7	-3,348.8	-7.3	3,348.8	0.00	0.00	0.00
16,400.0	90.25	179.58	12,484.2	-3,448.8	-6.5	3,448.8	0.00	0.00	0.00
16,500.0	90.25	179.58	12,483.8	-3,548.8	-5.8	3,548.8	0.00	0.00	0.00
16,600.0	90.25	179.58	12,483.3	-3,648.8	-5.1	3,648.8	0.00	0.00	0.00
16,700.0	90.25	179.58	12,482.9	-3,748.8	-4.3	3,748.8	0.00	0.00	0.00
16,800.0	90.25	179.58	12,482.4	-3,848.8	-3.6	3,848.8	0.00	0.00	0.00
16,900.0	90.25	179.58	12,482.0	-3,948.8	-2.8	3,948.8	0.00	0.00	0.00
17,000.0	90.25	179.58	12,481.6	-4,048.8	-2.1	4,048.8	0.00	0.00	0.00
17,100.0	90.25	179.58	12,481.1	-4,148.8	-1.3	4,148.8	0.00	0.00	0.00
17,200.0	90.25	179.58	12,480.7	-4,248.8	-0.6	4,248.8	0.00	0.00	0.00
17,281.2	90.25	179.58	12,480.3	-4,330.0	0.0	4,330.0	0.00	0.00	0.00

PBHL(LR 26 ST Com #503H)

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL(LR 26 ST Com #5	0.00	0.00	12,480.3	-4,330.0	0.0	399,107.00	746,508.00	32° 5' 41.138 N	103° 32' 14.367 W
- plan hits target center									
- Point									
FTP(LR 26 ST Com #50	0.00	0.00	12,500.0	391.0	-35.0	403,828.00	746,473.00	32° 6' 27.856 N	103° 32' 14.368 W
- plan misses target center by 72.7usft at 12584.3usft MD (12435.9 TVD, 356.5 N, -34.5 E)									
- Point									