

Revised Permit Information 12/7/15:

Well Name: Lomas Rojas 26 State Com No. 704H

Location:

SL: 721' FNL & 2015' FEL, Section 26, T-25-S, R-33-E, Lea Co., N.M.

BHL: 230' FSL & 2311' 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 - 1,125'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0-4,000'	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	4000' - 5100'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0'-17,351'	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
1,125'	600	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)
	300	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
5,100'	700	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
17,351'	874	11.0	2.77	Class C + 0.15% GXT-C + 0.4% CPT-503P + 0.5% CPT-47B + 0.3% CPT-20 + 0.25% Citric Acid
	1225	14.4	1.41	Class H + 3% Salt + 0.6% CPT-12 + 0.2% CPT-35 + 5 pps MagOx + 0.15% CPT-51 + 0.3% CPT-20

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 1,125'	Fresh - Gel	8.6-8.8	28-34	N/c
1,125' - 5,100'	Oil Base	8.7-9.4	58-68	N/c - 6
5,100' - 12,048'	Oil Base	8.7-9.4	58-68	N/c - 6
12,048' - 17,351' Lateral	Oil Base	9.0-9.5	58-68	N/c - 6

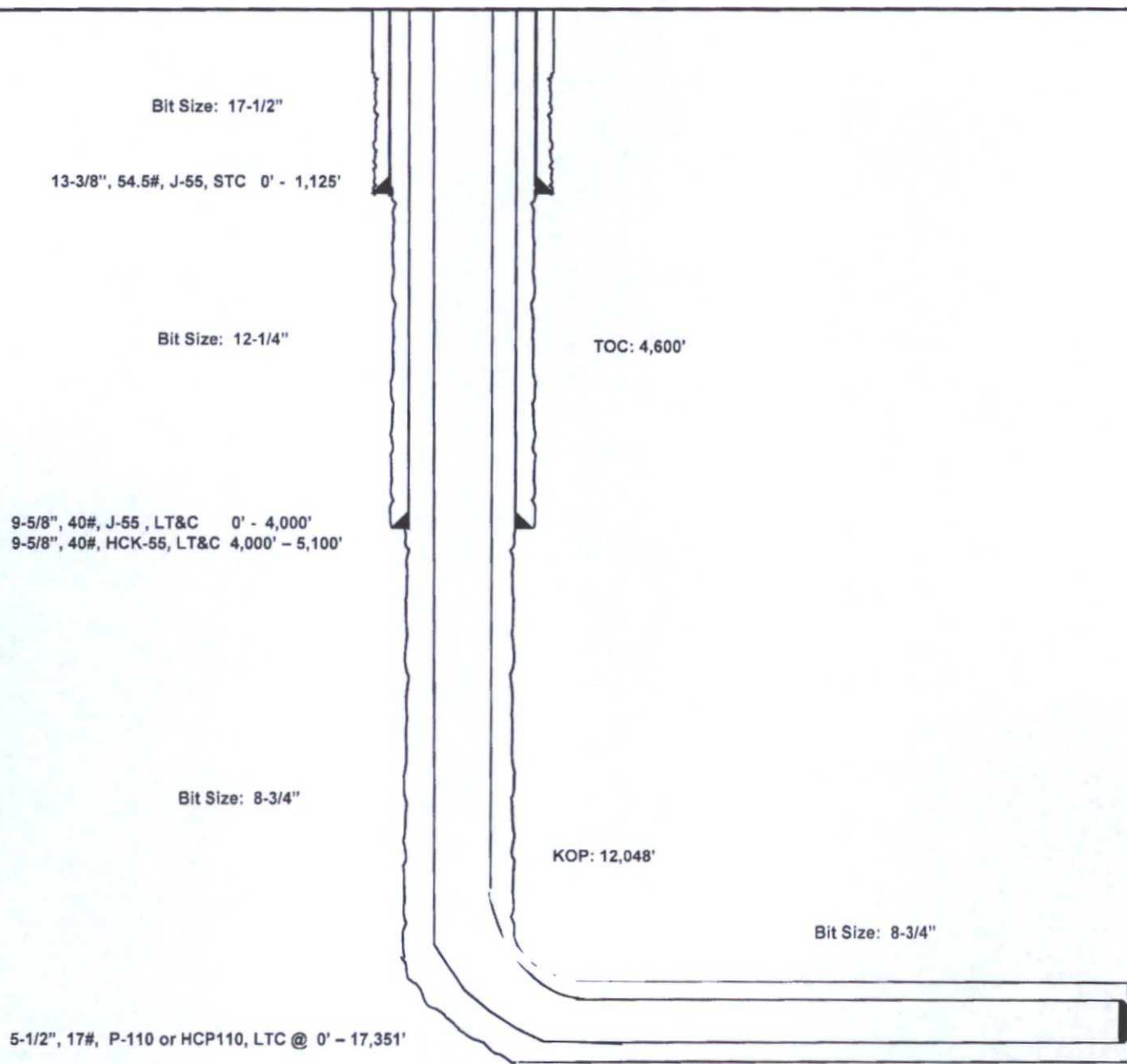
DEC 08 2015

Lomas Rojas 26 State Com #704H
Lea County, New Mexico

721' FNL
2015' FEL
Section 26
T-25-S, R-33-E

Proposed Wellbore
Revised 12/7/15
API: 30-025-42971

KB: 3,370'
GL: 3,345'



Lateral: 17,351' MD, 12,513' TVD

BH Location: 230' FSL & 1311' FEL
Section 26
T-25-S, R-33-E



Lea County, NM (NAD 27 NME)

Lomas Rojas 26 State Com #704H

H&P 260

Plan #0.2

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: #704H

Ground Level: 3345.0
KB = 28 @ 3370.0usR (H&P 260)
Northing: 403430.99 Easting: 746481.00 Latitude: 32° 8' 34.001 N Longitude: 103° 32' 36.294 W



Azimuths to Grid North
True North: 0.42°
Magnetic North: 6.67°

Magnetic Field
Strength: 48020.5nT
Dip Angle: 59.89°
Date: 1/6/2016
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.67°
To convert a True Direction to a Grid Direction, Add 0.42°

SECTION DETAILS

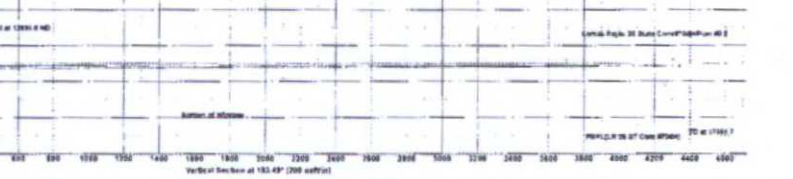
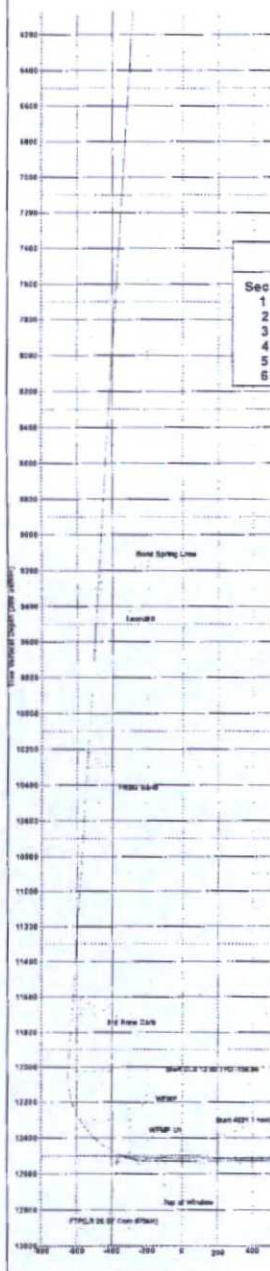
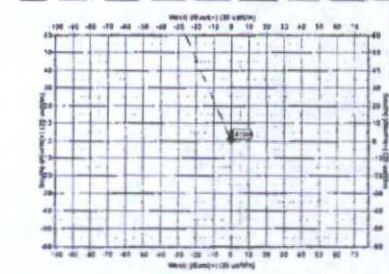
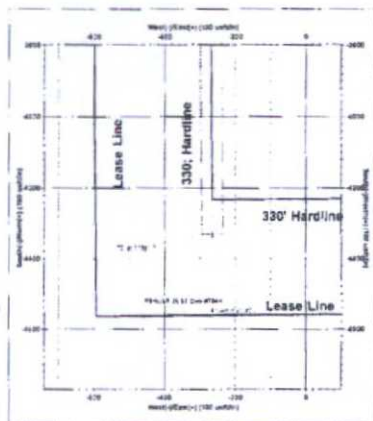
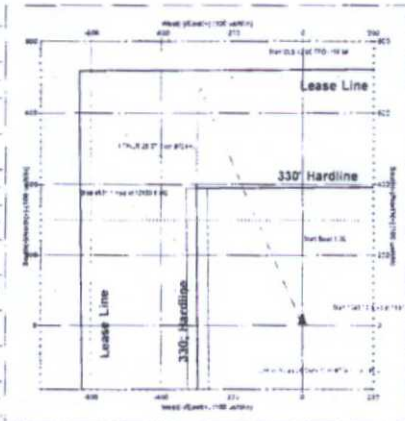
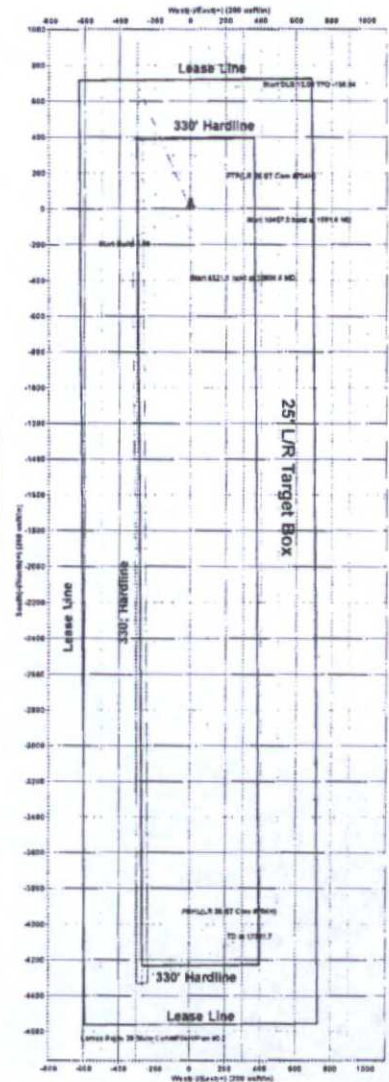
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	1591.5	3.92	336.55	1591.3	12.3	-5.3	1.00	336.55	-11.9	
4	12048.6	3.92	336.55	12023.9	667.5	-289.5	0.00	0.00	-648.7	
5	12830.6	90.23	179.55	12531.2	189.0	-299.4	12.00	-156.94	-170.4	
6	17351.7	90.23	179.55	12513.0	-4332.0	-264.0	0.00	0.00	4340.0	PBHL(LR 26 ST Com #704H)

CASING DETAILS

No casing data is available

WELLSBONE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
PBHL(LR 26 ST Com #704H)	12913.0	-4332.0	-264.0	390089.00	745197.00
FTPLR 26 ST Com #794H	12517.0	-388.0	-551.5	403020.00	745150.00





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Lomas Rojas 26 State Com

#704H

OH

Plan: Plan #0.2

Standard Planning Report

08 December, 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 Com
Well: #704H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #704H
TVD Reference: KB = 25 @ 3370.0usft (H&P 260)
MD Reference: KB = 25 @ 3370.0usft (H&P 260)
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 Com				
Site Position:		Northing:	403,820.30 usft	Latitude:	32° 6' 27.873 N
From:	Map	Easting:	745,192.70 usft	Longitude:	103° 32' 29.253 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.42 °

Well	#704H					
Well Position	+N/-S	-389.3 usft	Northing:	403,430.99 usft	Latitude:	32° 6' 24.001 N
	+E/-W	258.3 usft	Easting:	745,451.00 usft	Longitude:	103° 32' 26.284 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,345.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/6/2016	7.09	59.98	48,021

Design	Plan #0.2			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	183.49

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	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,591.6	3.92	336.55	1,591.3	12.3	-5.3	1.00	1.00	0.00	336.55	
12,048.6	3.92	336.55	12,023.9	667.5	-289.6	0.00	0.00	0.00	0.00	
12,830.6	90.23	179.55	12,531.2	189.0	-299.4	12.00	11.04	-20.08	-156.94	
17,351.7	90.23	179.55	12,513.0	-4,332.0	-264.0	0.00	0.00	0.00	0.00	PBHL(LR 26 ST Com)



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 Corn
Well: #704H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #704H
TVD Reference: KB = 25 @ 3370.0usft (H&P 260)
MD Reference: KB = 25 @ 3370.0usft (H&P 260)
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
1,047.0	0.00	0.00	1,047.0	0.0	0.0	0.0	0.00	0.00	0.00
Rustler									
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	1.00	336.55	1,300.0	0.8	-0.3	-0.8	1.00	1.00	0.00
1,400.0	2.00	336.55	1,400.0	3.2	-1.4	-3.1	1.00	1.00	0.00
1,442.1	2.42	336.55	1,442.0	4.7	-2.0	-4.6	1.00	1.00	0.00
Top of Salt									
1,500.0	3.00	336.55	1,499.9	7.2	-3.1	-7.0	1.00	1.00	0.00
1,591.6	3.92	336.55	1,591.3	12.3	-5.3	-11.9	1.00	1.00	0.00
1,600.0	3.92	336.55	1,599.7	12.8	-5.6	-12.4	0.00	0.00	0.00
1,700.0	3.92	336.55	1,699.4	19.1	-8.3	-18.5	0.00	0.00	0.00
1,800.0	3.92	336.55	1,799.2	25.3	-11.0	-24.6	0.00	0.00	0.00
1,900.0	3.92	336.55	1,899.0	31.6	-13.7	-30.7	0.00	0.00	0.00
2,000.0	3.92	336.55	1,998.7	37.9	-16.4	-36.8	0.00	0.00	0.00
2,100.0	3.92	336.55	2,098.5	44.1	-19.1	-42.9	0.00	0.00	0.00
2,200.0	3.92	336.55	2,198.3	50.4	-21.9	-49.0	0.00	0.00	0.00
2,300.0	3.92	336.55	2,298.0	56.7	-24.6	-55.1	0.00	0.00	0.00
2,400.0	3.92	336.55	2,397.8	62.9	-27.3	-61.1	0.00	0.00	0.00
2,500.0	3.92	336.55	2,497.6	69.2	-30.0	-67.2	0.00	0.00	0.00
2,600.0	3.92	336.55	2,597.3	75.5	-32.7	-73.3	0.00	0.00	0.00
2,700.0	3.92	336.55	2,697.1	81.7	-35.5	-79.4	0.00	0.00	0.00
2,800.0	3.92	336.55	2,796.9	88.0	-38.2	-85.5	0.00	0.00	0.00
2,900.0	3.92	336.55	2,896.6	94.3	-40.9	-91.6	0.00	0.00	0.00
3,000.0	3.92	336.55	2,996.4	100.5	-43.6	-97.7	0.00	0.00	0.00
3,100.0	3.92	336.55	3,096.2	106.8	-46.3	-103.8	0.00	0.00	0.00
3,200.0	3.92	336.55	3,195.9	113.1	-49.0	-109.9	0.00	0.00	0.00
3,300.0	3.92	336.55	3,295.7	119.3	-51.8	-116.0	0.00	0.00	0.00
3,400.0	3.92	336.55	3,395.5	125.6	-54.5	-122.0	0.00	0.00	0.00
3,500.0	3.92	336.55	3,495.2	131.9	-57.2	-128.1	0.00	0.00	0.00
3,600.0	3.92	336.55	3,595.0	138.1	-59.9	-134.2	0.00	0.00	0.00
3,700.0	3.92	336.55	3,694.8	144.4	-62.6	-140.3	0.00	0.00	0.00
3,800.0	3.92	336.55	3,794.5	150.7	-65.4	-146.4	0.00	0.00	0.00
3,900.0	3.92	336.55	3,894.3	156.9	-68.1	-152.5	0.00	0.00	0.00
4,000.0	3.92	336.55	3,994.1	163.2	-70.8	-158.6	0.00	0.00	0.00
4,100.0	3.92	336.55	4,093.8	169.4	-73.5	-164.7	0.00	0.00	0.00
4,200.0	3.92	336.55	4,193.6	175.7	-76.2	-170.8	0.00	0.00	0.00
4,300.0	3.92	336.55	4,293.4	182.0	-78.9	-176.8	0.00	0.00	0.00
4,400.0	3.92	336.55	4,393.1	188.2	-81.7	-182.9	0.00	0.00	0.00
4,500.0	3.92	336.55	4,492.9	194.5	-84.4	-189.0	0.00	0.00	0.00
4,600.0	3.92	336.55	4,592.7	200.8	-87.1	-195.1	0.00	0.00	0.00
4,700.0	3.92	336.55	4,692.4	207.0	-89.8	-201.2	0.00	0.00	0.00
4,800.0	3.92	336.55	4,792.2	213.3	-92.5	-207.3	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 Com
Well: #704H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #704H
TVD Reference: KB = 25 @ 3370.0usft (H&P 260)
MD Reference: KB = 25 @ 3370.0usft (H&P 260)
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)
4,892.0	3.92	336.55	4,884.0	219.1	-95.0	-212.9	0.00	0.00	0.00
Base of Salt									
4,900.0	3.92	336.55	4,892.0	219.6	-95.2	-213.4	0.00	0.00	0.00
5,000.0	3.92	336.55	4,991.7	225.8	-98.0	-219.5	0.00	0.00	0.00
5,100.0	3.92	336.55	5,091.5	232.1	-100.7	-225.6	0.00	0.00	0.00
5,144.6	3.92	336.55	5,136.0	234.9	-101.9	-228.3	0.00	0.00	0.00
Lamar									
5,189.7	3.92	336.55	5,181.0	237.7	-103.1	-231.0	0.00	0.00	0.00
Bell Canyon									
5,200.0	3.92	336.55	5,191.3	238.4	-103.4	-231.6	0.00	0.00	0.00
5,300.0	3.92	336.55	5,291.0	244.6	-106.1	-237.7	0.00	0.00	0.00
5,400.0	3.92	336.55	5,390.8	250.9	-108.8	-243.8	0.00	0.00	0.00
5,500.0	3.92	336.55	5,490.6	257.2	-111.6	-249.9	0.00	0.00	0.00
5,600.0	3.92	336.55	5,590.3	263.4	-114.3	-256.0	0.00	0.00	0.00
5,700.0	3.92	336.55	5,690.1	269.7	-117.0	-262.1	0.00	0.00	0.00
5,800.0	3.92	336.55	5,789.9	276.0	-119.7	-268.2	0.00	0.00	0.00
5,900.0	3.92	336.55	5,889.6	282.2	-122.4	-274.3	0.00	0.00	0.00
6,000.0	3.92	336.55	5,989.4	288.5	-125.1	-280.4	0.00	0.00	0.00
6,100.0	3.92	336.55	6,089.2	294.8	-127.9	-286.4	0.00	0.00	0.00
6,200.0	3.92	336.55	6,188.9	301.0	-130.6	-292.5	0.00	0.00	0.00
6,300.0	3.92	336.55	6,288.7	307.3	-133.3	-298.6	0.00	0.00	0.00
6,400.0	3.92	336.55	6,388.5	313.6	-136.0	-304.7	0.00	0.00	0.00
6,500.0	3.92	336.55	6,488.2	319.8	-138.7	-310.8	0.00	0.00	0.00
6,600.0	3.92	336.55	6,588.0	326.1	-141.5	-316.9	0.00	0.00	0.00
6,700.0	3.92	336.55	6,687.8	332.4	-144.2	-323.0	0.00	0.00	0.00
6,800.0	3.92	336.55	6,787.5	338.6	-146.9	-329.1	0.00	0.00	0.00
6,900.0	3.92	336.55	6,887.3	344.9	-149.6	-335.2	0.00	0.00	0.00
7,000.0	3.92	336.55	6,987.1	351.2	-152.3	-341.2	0.00	0.00	0.00
7,100.0	3.92	336.55	7,086.8	357.4	-155.0	-347.3	0.00	0.00	0.00
7,200.0	3.92	336.55	7,186.6	363.7	-157.8	-353.4	0.00	0.00	0.00
7,300.0	3.92	336.55	7,286.4	370.0	-160.5	-359.5	0.00	0.00	0.00
7,400.0	3.92	336.55	7,386.1	376.2	-163.2	-365.6	0.00	0.00	0.00
7,500.0	3.92	336.55	7,485.9	382.5	-165.9	-371.7	0.00	0.00	0.00
7,600.0	3.92	336.55	7,585.7	388.8	-168.6	-377.8	0.00	0.00	0.00
7,700.0	3.92	336.55	7,685.4	395.0	-171.4	-383.9	0.00	0.00	0.00
7,800.0	3.92	336.55	7,785.2	401.3	-174.1	-390.0	0.00	0.00	0.00
7,900.0	3.92	336.55	7,885.0	407.6	-176.8	-396.0	0.00	0.00	0.00
8,000.0	3.92	336.55	7,984.7	413.8	-179.5	-402.1	0.00	0.00	0.00
8,100.0	3.92	336.55	8,084.5	420.1	-182.2	-408.2	0.00	0.00	0.00
8,200.0	3.92	336.55	8,184.3	426.4	-184.9	-414.3	0.00	0.00	0.00
8,300.0	3.92	336.55	8,284.0	432.6	-187.7	-420.4	0.00	0.00	0.00
8,400.0	3.92	336.55	8,383.8	438.9	-190.4	-426.5	0.00	0.00	0.00
8,500.0	3.92	336.55	8,483.6	445.2	-193.1	-432.6	0.00	0.00	0.00
8,600.0	3.92	336.55	8,583.3	451.4	-195.8	-438.7	0.00	0.00	0.00
8,700.0	3.92	336.55	8,683.1	457.7	-198.5	-444.8	0.00	0.00	0.00
8,800.0	3.92	336.55	8,782.9	463.9	-201.3	-450.8	0.00	0.00	0.00
8,900.0	3.92	336.55	8,882.6	470.2	-204.0	-456.9	0.00	0.00	0.00
9,000.0	3.92	336.55	8,982.4	476.5	-206.7	-463.0	0.00	0.00	0.00
9,100.0	3.92	336.55	9,082.2	482.7	-209.4	-469.1	0.00	0.00	0.00
9,200.0	3.92	336.55	9,181.9	489.0	-212.1	-475.2	0.00	0.00	0.00
9,289.3	3.92	336.55	9,271.0	494.6	-214.6	-480.6	0.00	0.00	0.00
Bone Spring Lime									
9,300.0	3.92	336.55	9,281.7	495.3	-214.8	-481.3	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 Corn
Well: #704H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #704H
TVD Reference: KB = 25 @ 3370.0usft (H&P 260)
MD Reference: KB = 25 @ 3370.0usft (H&P 260)
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)
9,309.3	3.92	336.55	9,291.0	495.9	-215.1	-481.9	0.00	0.00	0.00
Leonard									
9,400.0	3.92	336.55	9,381.5	501.5	-217.6	-487.4	0.00	0.00	0.00
9,500.0	3.92	336.55	9,481.2	507.8	-220.3	-493.5	0.00	0.00	0.00
9,600.0	3.92	336.55	9,581.0	514.1	-223.0	-499.6	0.00	0.00	0.00
9,700.0	3.92	336.55	9,680.8	520.3	-225.7	-505.6	0.00	0.00	0.00
9,800.0	3.92	336.55	9,780.5	526.6	-228.4	-511.7	0.00	0.00	0.00
9,900.0	3.92	336.55	9,880.3	532.9	-231.2	-517.8	0.00	0.00	0.00
10,000.0	3.92	336.55	9,980.1	539.1	-233.9	-523.9	0.00	0.00	0.00
10,100.0	3.92	336.55	10,079.8	545.4	-236.6	-530.0	0.00	0.00	0.00
10,200.0	3.92	336.55	10,179.6	551.7	-239.3	-536.1	0.00	0.00	0.00
10,241.5	3.92	336.55	10,221.0	554.3	-240.4	-538.6	0.00	0.00	0.00
FBSG Sand									
10,300.0	3.92	336.55	10,279.4	557.9	-242.0	-542.2	0.00	0.00	0.00
10,400.0	3.92	336.55	10,379.1	564.2	-244.7	-548.3	0.00	0.00	0.00
10,500.0	3.92	336.55	10,478.9	570.5	-247.5	-554.4	0.00	0.00	0.00
10,600.0	3.92	336.55	10,578.7	576.7	-250.2	-560.5	0.00	0.00	0.00
10,700.0	3.92	336.55	10,678.4	583.0	-252.9	-566.5	0.00	0.00	0.00
10,800.0	3.92	336.55	10,778.2	589.3	-255.6	-572.6	0.00	0.00	0.00
10,900.0	3.92	336.55	10,878.0	595.5	-258.3	-578.7	0.00	0.00	0.00
11,000.0	3.92	336.55	10,977.7	601.8	-261.1	-584.8	0.00	0.00	0.00
11,100.0	3.92	336.55	11,077.5	608.1	-263.8	-590.9	0.00	0.00	0.00
11,200.0	3.92	336.55	11,177.3	614.3	-266.5	-597.0	0.00	0.00	0.00
11,300.0	3.92	336.55	11,277.0	620.6	-269.2	-603.1	0.00	0.00	0.00
11,400.0	3.92	336.55	11,376.8	626.9	-271.9	-609.2	0.00	0.00	0.00
11,500.0	3.92	336.55	11,476.6	633.1	-274.6	-615.3	0.00	0.00	0.00
11,600.0	3.92	336.55	11,576.3	639.4	-277.4	-621.3	0.00	0.00	0.00
11,614.7	3.92	336.55	11,591.0	640.3	-277.8	-622.2	0.00	0.00	0.00
3rd Bone Carb									
11,700.0	3.92	336.55	11,676.1	645.7	-280.1	-627.4	0.00	0.00	0.00
11,800.0	3.92	336.55	11,775.9	651.9	-282.8	-633.5	0.00	0.00	0.00
11,900.0	3.92	336.55	11,875.6	658.2	-285.5	-639.6	0.00	0.00	0.00
12,000.0	3.92	336.55	11,975.4	664.5	-288.2	-645.7	0.00	0.00	0.00
12,048.6	3.92	336.55	12,023.9	667.5	-289.6	-648.7	0.00	0.00	0.00
12,050.0	3.76	335.56	12,025.3	667.6	-289.6	-648.7	12.00	-11.00	-71.57
12,075.0	1.59	285.55	12,050.2	668.4	-290.3	-649.5	12.00	-8.68	-200.06
12,100.0	2.98	210.44	12,075.2	668.0	-290.9	-649.0	12.00	5.56	-300.43
12,125.0	5.77	194.92	12,100.2	666.2	-291.6	-647.2	12.00	11.13	-62.08
12,150.0	8.70	189.63	12,125.0	663.1	-292.2	-644.1	12.00	11.71	-21.15
12,175.0	11.68	187.01	12,149.6	658.7	-292.9	-639.7	12.00	11.86	-10.50
12,200.0	14.64	185.44	12,173.9	653.1	-293.5	-634.0	12.00	11.92	-6.28
12,225.0	17.63	184.39	12,197.9	646.2	-294.0	-627.1	12.00	11.94	-4.19
12,250.0	20.62	183.64	12,221.5	638.0	-294.6	-618.9	12.00	11.96	-3.01
12,275.0	23.61	183.07	12,244.7	628.6	-295.2	-609.5	12.00	11.97	-2.28
12,300.0	26.60	182.62	12,267.3	618.0	-295.7	-598.9	12.00	11.98	-1.79
12,325.0	29.60	182.26	12,289.4	606.2	-296.2	-587.1	12.00	11.98	-1.45
12,350.0	32.59	181.96	12,310.8	593.3	-296.7	-574.2	12.00	11.98	-1.21
12,361.0	33.91	181.84	12,320.0	587.3	-296.9	-568.2	12.00	11.99	-1.07
WFMP									
12,375.0	35.59	181.70	12,331.5	579.3	-297.1	-560.2	12.00	11.99	-0.99
12,400.0	38.59	181.48	12,351.4	564.3	-297.5	-545.1	12.00	11.99	-0.88
12,425.0	41.58	181.29	12,370.5	548.2	-297.9	-529.0	12.00	11.99	-0.78
12,450.0	44.58	181.11	12,388.8	531.1	-298.3	-512.0	12.00	11.99	-0.69



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 Corn
Well: #704H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #704H
TVD Reference: KB = 25 @ 3370.0usft (H&P 260)
MD Reference: KB = 25 @ 3370.0usft (H&P 260)
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)
12,475.0	47.58	180.96	12,406.1	513.1	-298.6	-494.0	12.00	11.99	-0.62
12,500.0	50.58	180.82	12,422.5	494.2	-298.9	-475.1	12.00	11.99	-0.56
12,525.0	53.58	180.69	12,437.9	474.5	-299.1	-455.4	12.00	11.99	-0.52
12,550.0	56.57	180.57	12,452.2	454.0	-299.4	-435.0	12.00	11.99	-0.48
12,575.0	59.57	180.46	12,465.4	432.8	-299.6	-413.8	12.00	11.99	-0.45
12,600.0	62.57	180.35	12,477.5	410.9	-299.7	-391.9	12.00	11.99	-0.42
12,625.0	65.57	180.25	12,488.4	388.4	-299.8	-369.5	12.00	11.99	-0.40
12,641.5	67.54	180.19	12,495.0	373.3	-299.9	-354.4	12.00	11.99	-0.38
FTP(LR 26 ST Corn #704H)									
12,650.0	68.57	180.16	12,498.2	365.4	-299.9	-346.5	12.00	12.00	-0.37
12,662.4	70.05	180.11	12,502.5	353.8	-299.9	-334.9	12.00	12.00	-0.37
WFMP U1									
12,675.0	71.57	180.07	12,506.7	341.9	-300.0	-323.0	12.00	12.00	-0.36
12,700.0	74.57	179.98	12,514.0	318.0	-300.0	-299.2	12.00	12.00	-0.35
12,725.0	77.57	179.90	12,520.0	293.7	-299.9	-275.0	12.00	12.00	-0.34
12,728.3	77.72	179.89	12,520.3	292.5	-299.9	-273.7	12.00	12.00	-0.34
Top of Window									
12,750.0	80.56	179.81	12,524.7	269.2	-299.9	-250.5	12.00	12.00	-0.33
12,775.0	83.56	179.73	12,528.2	244.4	-299.8	-225.8	12.00	12.00	-0.33
12,800.0	86.56	179.65	12,530.3	219.5	-299.6	-200.9	12.00	12.00	-0.32
12,825.0	89.56	179.57	12,531.2	194.6	-299.5	-176.0	12.00	12.00	-0.32
12,830.6	90.23	179.55	12,531.2	189.0	-299.4	-170.4	12.00	12.00	-0.32
12,900.0	90.23	179.55	12,530.9	119.6	-298.9	-101.2	0.00	0.00	0.00
13,000.0	90.23	179.55	12,530.5	19.6	-298.1	-1.4	0.00	0.00	0.00
13,100.0	90.23	179.55	12,530.1	-80.4	-297.3	98.4	0.00	0.00	0.00
13,200.0	90.23	179.55	12,529.7	-180.4	-296.5	198.1	0.00	0.00	0.00
13,300.0	90.23	179.55	12,529.3	-280.4	-295.8	297.9	0.00	0.00	0.00
13,400.0	90.23	179.55	12,528.9	-380.4	-295.0	397.7	0.00	0.00	0.00
13,500.0	90.23	179.55	12,528.5	-480.4	-294.2	497.4	0.00	0.00	0.00
13,600.0	90.23	179.55	12,528.1	-580.4	-293.4	597.2	0.00	0.00	0.00
13,700.0	90.23	179.55	12,527.7	-680.4	-292.6	696.9	0.00	0.00	0.00
13,800.0	90.23	179.55	12,527.3	-780.4	-291.8	796.7	0.00	0.00	0.00
13,900.0	90.23	179.55	12,526.9	-880.4	-291.1	896.5	0.00	0.00	0.00
14,000.0	90.23	179.55	12,526.5	-980.4	-290.3	996.2	0.00	0.00	0.00
14,100.0	90.23	179.55	12,526.1	-1,080.4	-289.5	1,096.0	0.00	0.00	0.00
14,200.0	90.23	179.55	12,525.7	-1,180.4	-288.7	1,195.8	0.00	0.00	0.00
14,300.0	90.23	179.55	12,525.3	-1,280.4	-287.9	1,295.5	0.00	0.00	0.00
14,400.0	90.23	179.55	12,524.9	-1,380.4	-287.1	1,395.3	0.00	0.00	0.00
14,500.0	90.23	179.55	12,524.5	-1,480.4	-286.3	1,495.1	0.00	0.00	0.00
14,600.0	90.23	179.55	12,524.1	-1,580.4	-285.6	1,594.8	0.00	0.00	0.00
14,700.0	90.23	179.55	12,523.7	-1,680.4	-284.8	1,694.6	0.00	0.00	0.00
14,800.0	90.23	179.55	12,523.3	-1,780.4	-284.0	1,794.3	0.00	0.00	0.00
14,900.0	90.23	179.55	12,522.9	-1,880.4	-283.2	1,894.1	0.00	0.00	0.00
15,000.0	90.23	179.55	12,522.5	-1,980.4	-282.4	1,993.9	0.00	0.00	0.00
15,021.2	90.23	179.55	12,522.4	-2,001.5	-282.3	2,015.0	0.00	0.00	0.00
TGT#1(LR 26 ST Corn #704H)									
15,100.0	90.23	179.55	12,522.1	-2,080.4	-281.6	2,093.6	0.00	0.00	0.00
15,200.0	90.23	179.55	12,521.7	-2,180.4	-280.9	2,193.4	0.00	0.00	0.00
15,300.0	90.23	179.55	12,521.3	-2,280.3	-280.1	2,293.2	0.00	0.00	0.00
15,400.0	90.23	179.55	12,520.9	-2,380.3	-279.3	2,392.9	0.00	0.00	0.00
15,500.0	90.23	179.55	12,520.5	-2,480.3	-278.5	2,492.7	0.00	0.00	0.00
15,600.0	90.23	179.55	12,520.0	-2,580.3	-277.7	2,592.5	0.00	0.00	0.00
15,700.0	90.23	179.55	12,519.6	-2,680.3	-276.9	2,692.2	0.00	0.00	0.00
15,800.0	90.23	179.55	12,519.2	-2,780.3	-276.2	2,792.0	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 Com
Well: #704H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #704H
TVD Reference: KB = 25 @ 3370.0usft (H&P 260)
MD Reference: KB = 25 @ 3370.0usft (H&P 260)
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)
15,900.0	90.23	179.55	12,518.8	-2,880.3	-275.4	2,891.7	0.00	0.00	0.00
16,000.0	90.23	179.55	12,518.4	-2,980.3	-274.6	2,991.5	0.00	0.00	0.00
16,100.0	90.23	179.55	12,518.0	-3,080.3	-273.8	3,091.3	0.00	0.00	0.00
16,200.0	90.23	179.55	12,517.6	-3,180.3	-273.0	3,191.0	0.00	0.00	0.00
16,221.3	90.23	179.55	12,517.5	-3,201.6	-272.9	3,212.3	0.00	0.00	0.00
TGT#2(LR 26 ST Com #704H)									
16,300.0	90.23	179.55	12,517.2	-3,280.3	-272.2	3,290.8	0.00	0.00	0.00
16,400.0	90.23	179.55	12,516.8	-3,380.3	-271.5	3,390.6	0.00	0.00	0.00
16,500.0	90.23	179.55	12,516.4	-3,480.3	-270.7	3,490.3	0.00	0.00	0.00
16,600.0	90.23	179.55	12,516.0	-3,580.3	-269.9	3,590.1	0.00	0.00	0.00
16,700.0	90.23	179.55	12,515.6	-3,680.3	-269.1	3,689.8	0.00	0.00	0.00
16,800.0	90.23	179.55	12,515.2	-3,780.3	-268.3	3,789.6	0.00	0.00	0.00
16,900.0	90.23	179.55	12,514.8	-3,880.3	-267.5	3,889.4	0.00	0.00	0.00
17,000.0	90.23	179.55	12,514.4	-3,980.3	-266.8	3,989.1	0.00	0.00	0.00
17,100.0	90.23	179.55	12,514.0	-4,080.3	-266.0	4,088.9	0.00	0.00	0.00
17,200.0	90.23	179.55	12,513.6	-4,180.3	-265.2	4,188.7	0.00	0.00	0.00
17,300.0	90.23	179.55	12,513.2	-4,280.3	-264.4	4,288.4	0.00	0.00	0.00
17,351.7	90.23	179.55	12,513.0	-4,332.0	-264.0	4,340.0	0.00	0.00	0.00
PBHL(LR 26 ST Com #704H)									

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 #7)	90.00	179.57	12,513.0	-4,332.0	-264.0	399,099.00	745,187.00	32° 5' 41.153 N	103° 32' 29.723 W
- plan hits target center									
- Rectangle (sides W60.0 H0.0 D4,721.3)									
FTP(LR 26 ST Com #70)	0.00	0.00	12,532.0	389.0	-301.0	403,820.00	745,150.00	32° 6' 27.873 N	103° 32' 29.750 W
- plan misses target center by 40.2usft at 12641.5usft MD (12495.0 TVD, 373.3 N, -299.9 E)									
- Point									

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,047.0	1,047.0	Rustler			
1,442.1	1,442.0	Top of Salt			
4,892.0	4,884.0	Base of Salt			
5,144.6	5,136.0	Lamar			
5,189.7	5,181.0	Bell Canyon			
9,289.3	9,271.0	Bone Spring Lime			
9,309.3	9,291.0	Leonard			
10,241.5	10,221.0	FBSG Sand			
11,614.7	11,591.0	3rd Bone Carb			
12,361.0	12,320.0	WFMP			
12,662.4	12,502.5	WFMP U1		0.25	
12,726.3	12,520.3	Top of Window		0.25	



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 Corn
Well: #704H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #704H
TVD Reference: KB = 25 @ 3370.0usft (H&P 260)
MD Reference: KB = 25 @ 3370.0usft (H&P 260)
North Reference: Grid
Survey Calculation Method: Minimum Curvature