

Revised Permit Information 11/17/15:

Well Name: Pomegranate 36 State Com No. 502H

30-025-42903

Location:

SL: 210' FSL & 1020' FWL, Section 36, T-20-S, R-35-E, Lea Co., N.M.

BHL: 230' FNL & 330' FWL, Section 36, T-20-S, R-35-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 - 1,925'	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' - 5000'	9.625"	40#	HCK55	LTC	1.125	1.25	1.60
8.75"	0'-15,205'	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
1,925'	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
5,000'	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
15,205'	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 @ 4,500')
	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
	1300	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 - 1,925'	Fresh - Gel	8.6-8.8	28-34	N/c
1,925' - 5,000'	Oil Base	8.7-9.4	58-68	N/c - 6
5,000' - 9,922'	Oil Base	8.7-9.4	58-68	N/c - 6
9,922' - 15,205' Lateral	Oil Base	9.0-9.5	58-68	N/c - 6

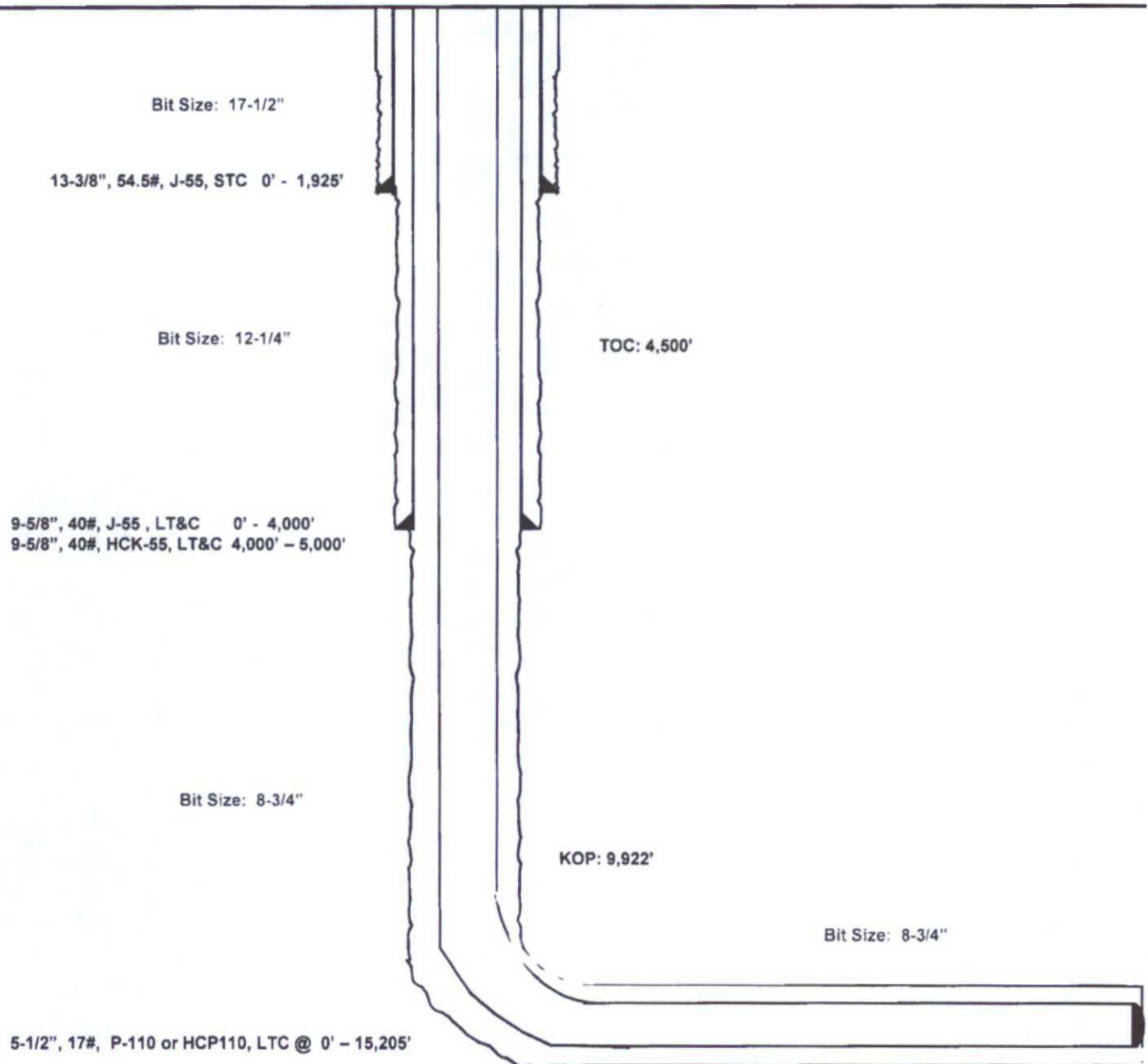
NOV 30 2015

Pomegranate 36 State Com #502H
Lea County, New Mexico

210' FSL
1020' FWL
Section 36
T-20-S, R-35-E

Proposed Wellbore
Revised 11/17/15
API: 30-025-42903

KB: 3,688'
GL: 3,663'



Lateral: 15,205' MD, 10,370' TVD

BH Location: 230' FNL & 330' FWL
Section 36
T-20-S, R-35-E



Lea County, NM (NAD 27 NME)

Pomegranate 36 State Com #502H

H&P 260

Plan #0.1

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: #502H

Ground Level: 3663.0
KB = 25 @ 3688.5 surf (H&P 260)
Northing: 559131.90 Easting: 792866.90 Latitude: 32° 51' 22.129 N Longitude: 103° 24' 58.235 W



Azimuths to Grid North
True North: -0.49°
Magnetic North: 6.57°
Magnetic Field
Strength: 48281.3anT
Dip Angle: 60.39°
Date: 1/1/2016
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction: Add 6.57°
To convert a Magnetic Direction to a True Direction: Add 7.06° East
To convert a True Direction to a Grid Direction: Subtract 0.49°

SECTION DETAILS

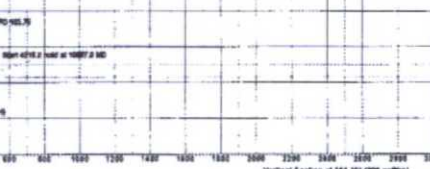
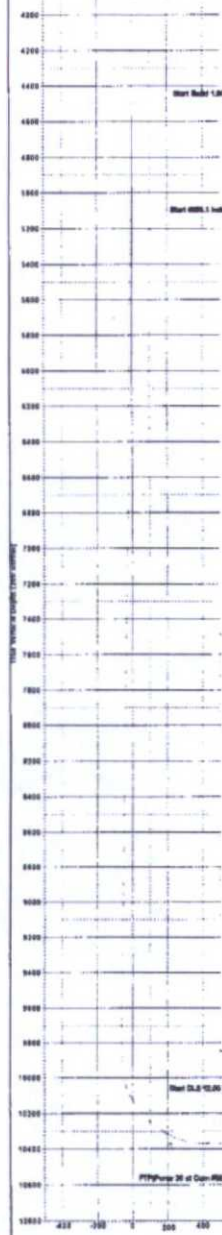
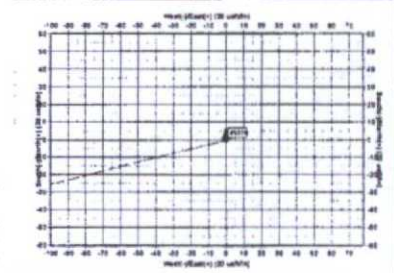
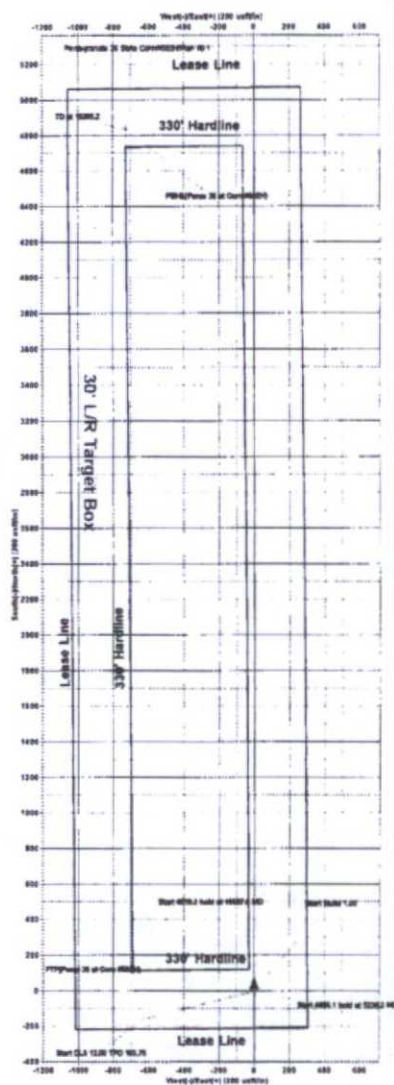
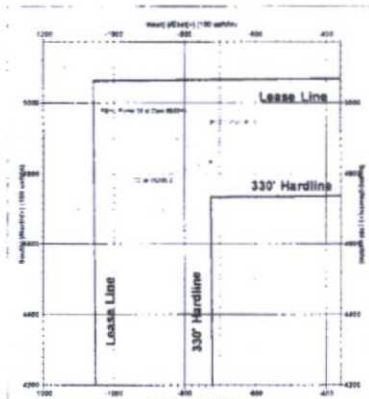
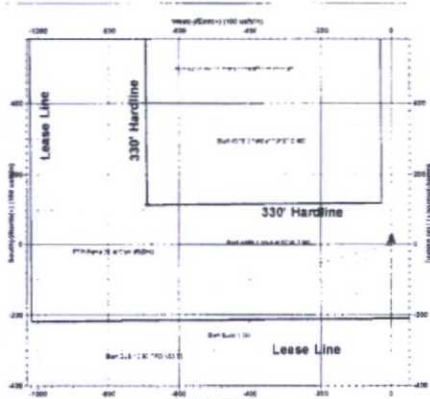
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4500.0	0.00	0.00	4500.0	0.0	0.0	0.00	0.00	0.0	
3	5236.2	7.36	255.71	5234.2	-11.7	-45.8	1.00	255.71	-4.7	
4	9922.4	7.36	255.71	9881.7	-159.8	-627.7	0.00	0.00	-64.9	
5	10687.0	90.00	359.58	10370.0	316.9	-892.5	12.00	103.75	416.2	
6	15205.2	90.00	359.58	10370.0	4835.0	-726.0	0.00	0.00	4889.2	PBHL(Pome 36 st Com #502H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
PTTH(Pome 36 st Com #502H)	10370.0	113.0	-891.8	586248.90	782175.90
PBHL(Pome 36 st Com #502H)	10370.0	4835.0	-726.0	586998.90	782140.90





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Pomegranate 36 State Com

#502H

OH

Plan: Plan #0.1

Standard Planning Report

17 November, 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: Pomegranate 36 State Com
 Well: #502H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #502H
 TVD Reference: KB = 25 @ 3688.0usft (H&P 260)
 MD Reference: KB = 25 @ 3688.0usft (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	Pomegranate 36 State Com				
Site Position:		Northing:	555,131.00 usft	Latitude:	32° 31' 22.139 N
From:	Map	Easting:	782,866.00 usft	Longitude:	103° 24' 56.225 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.49 °

Well	#502H					
Well Position	+N/-S	0.0 usft	Northing:	555,131.00 usft	Latitude:	32° 31' 22.139 N
	+E/-W	0.0 usft	Easting:	782,866.00 usft	Longitude:	103° 24' 56.225 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,663.0 usft	

Wellbore	OH			
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/1/2016	7.06	60.38	48,281

Design	Plan #0.1			
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	351.46

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	
5,236.2	7.36	255.71	5,234.2	-11.7	-45.8	1.00	1.00	0.00	255.71	
9,922.4	7.36	255.71	9,881.7	-159.8	-627.7	0.00	0.00	0.00	0.00	
10,687.0	90.00	359.58	10,370.0	316.9	-692.5	12.00	10.81	13.58	103.75	
15,205.2	90.00	359.58	10,370.0	4,835.0	-726.0	0.00	0.00	0.00	0.00	PBHL(Pome 36 st Co



EOG Resources, Inc.

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 MD Reference: KB = 25 @ 3688.0usft (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
1,100.0	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	255.71	4,600.0	-0.2	-0.8	-0.1	1.00	1.00	0.00
4,700.0	2.00	255.71	4,700.0	-0.9	-3.4	-0.3	1.00	1.00	0.00
4,800.0	3.00	255.71	4,799.9	-1.9	-7.6	-0.8	1.00	1.00	0.00
4,900.0	4.00	255.71	4,899.7	-3.4	-13.5	-1.4	1.00	1.00	0.00
5,000.0	5.00	255.71	4,999.4	-5.4	-21.1	-2.2	1.00	1.00	0.00
5,100.0	6.00	255.71	5,098.9	-7.7	-30.4	-3.1	1.00	1.00	0.00
5,200.0	7.00	255.71	5,198.3	-10.5	-41.4	-4.3	1.00	1.00	0.00
5,236.2	7.36	255.71	5,234.2	-11.7	-45.8	-4.7	1.00	1.00	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	7.36	255.71	5,297.4	-13.7	-53.7	-5.5	0.00	0.00	0.00
5,400.0	7.36	255.71	5,396.6	-16.8	-66.1	-6.8	0.00	0.00	0.00
5,500.0	7.36	255.71	5,495.8	-20.0	-78.5	-8.1	0.00	0.00	0.00
5,600.0	7.36	255.71	5,595.0	-23.2	-90.9	-9.4	0.00	0.00	0.00
5,700.0	7.36	255.71	5,694.2	-26.3	-103.4	-10.7	0.00	0.00	0.00
5,800.0	7.36	255.71	5,793.3	-29.5	-115.8	-12.0	0.00	0.00	0.00
5,900.0	7.36	255.71	5,892.5	-32.6	-128.2	-13.2	0.00	0.00	0.00
6,000.0	7.36	255.71	5,991.7	-35.8	-140.6	-14.5	0.00	0.00	0.00
6,100.0	7.36	255.71	6,090.9	-39.0	-153.0	-15.8	0.00	0.00	0.00
6,200.0	7.36	255.71	6,190.0	-42.1	-165.5	-17.1	0.00	0.00	0.00
6,300.0	7.36	255.71	6,289.2	-45.3	-177.9	-18.4	0.00	0.00	0.00
6,400.0	7.36	255.71	6,388.4	-48.5	-190.3	-19.7	0.00	0.00	0.00
6,500.0	7.36	255.71	6,487.6	-51.6	-202.7	-20.9	0.00	0.00	0.00
6,600.0	7.36	255.71	6,586.7	-54.8	-215.1	-22.2	0.00	0.00	0.00
6,700.0	7.36	255.71	6,685.9	-57.9	-227.5	-23.5	0.00	0.00	0.00
6,800.0	7.36	255.71	6,785.1	-61.1	-240.0	-24.8	0.00	0.00	0.00
6,900.0	7.36	255.71	6,884.3	-64.3	-252.4	-26.1	0.00	0.00	0.00
7,000.0	7.36	255.71	6,983.4	-67.4	-264.8	-27.4	0.00	0.00	0.00
7,100.0	7.36	255.71	7,082.6	-70.6	-277.2	-28.6	0.00	0.00	0.00
7,200.0	7.36	255.71	7,181.8	-73.8	-289.6	-29.9	0.00	0.00	0.00
7,300.0	7.36	255.71	7,281.0	-76.9	-302.1	-31.2	0.00	0.00	0.00
7,400.0	7.36	255.71	7,380.1	-80.1	-314.5	-32.5	0.00	0.00	0.00
7,500.0	7.36	255.71	7,479.3	-83.2	-326.9	-33.8	0.00	0.00	0.00
7,600.0	7.36	255.71	7,578.5	-86.4	-339.3	-35.1	0.00	0.00	0.00
7,700.0	7.36	255.71	7,677.7	-89.6	-351.7	-36.3	0.00	0.00	0.00
7,800.0	7.36	255.71	7,776.8	-92.7	-364.1	-37.6	0.00	0.00	0.00
7,900.0	7.36	255.71	7,876.0	-95.9	-376.6	-38.9	0.00	0.00	0.00
8,000.0	7.36	255.71	7,975.2	-99.1	-389.0	-40.2	0.00	0.00	0.00
8,100.0	7.36	255.71	8,074.4	-102.2	-401.4	-41.5	0.00	0.00	0.00
8,200.0	7.36	255.71	8,173.5	-105.4	-413.8	-42.8	0.00	0.00	0.00
8,300.0	7.36	255.71	8,272.7	-108.5	-426.2	-44.0	0.00	0.00	0.00
8,400.0	7.36	255.71	8,371.9	-111.7	-438.7	-45.3	0.00	0.00	0.00
8,500.0	7.36	255.71	8,471.1	-114.9	-451.1	-46.6	0.00	0.00	0.00
8,600.0	7.36	255.71	8,570.2	-118.0	-463.5	-47.9	0.00	0.00	0.00
8,700.0	7.36	255.71	8,669.4	-121.2	-475.9	-49.2	0.00	0.00	0.00
8,800.0	7.36	255.71	8,768.6	-124.4	-488.3	-50.5	0.00	0.00	0.00
8,900.0	7.36	255.71	8,867.8	-127.5	-500.7	-51.7	0.00	0.00	0.00
9,000.0	7.36	255.71	8,966.9	-130.7	-513.2	-53.0	0.00	0.00	0.00
9,100.0	7.36	255.71	9,066.1	-133.8	-525.6	-54.3	0.00	0.00	0.00
9,200.0	7.36	255.71	9,165.3	-137.0	-538.0	-55.6	0.00	0.00	0.00
9,300.0	7.36	255.71	9,264.5	-140.2	-550.4	-56.9	0.00	0.00	0.00
9,400.0	7.36	255.71	9,363.6	-143.3	-562.8	-58.2	0.00	0.00	0.00
9,500.0	7.36	255.71	9,462.8	-146.5	-575.3	-59.4	0.00	0.00	0.00
9,600.0	7.36	255.71	9,562.0	-149.7	-587.7	-60.7	0.00	0.00	0.00
9,700.0	7.36	255.71	9,661.2	-152.8	-600.1	-62.0	0.00	0.00	0.00
9,800.0	7.36	255.71	9,760.3	-156.0	-612.5	-63.3	0.00	0.00	0.00
9,900.0	7.36	255.71	9,859.5	-159.1	-624.9	-64.6	0.00	0.00	0.00
9,922.4	7.36	255.71	9,881.7	-159.8	-627.7	-64.9	0.00	0.00	0.00
9,925.0	7.29	258.14	9,884.3	-159.9	-628.0	-64.9	12.00	-2.61	91.84
9,950.0	7.32	281.89	9,909.1	-159.9	-631.1	-64.4	12.00	0.09	95.04
9,975.0	8.47	302.21	9,933.9	-158.6	-634.3	-62.7	12.00	4.62	81.26
10,000.0	10.39	316.40	9,958.6	-156.0	-637.4	-59.6	12.00	7.67	56.77
10,025.0	12.73	325.84	9,983.0	-152.1	-640.5	-55.3	12.00	9.35	37.75
10,050.0	15.30	332.27	10,007.3	-146.9	-643.6	-49.7	12.00	10.27	25.74



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Pomegranate 36 State Com
Well: #502H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #502H
TVD Reference: KB = 25 @ 3688.0usft (H&P 260)
MD Reference: KB = 25 @ 3688.0usft (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)
10.075.0	18.00	336.86	10.031.3	-140.4	-646.6	-42.8	12.00	10.80	18.34
10.100.0	20.78	340.27	10.054.8	-132.7	-649.6	-34.8	12.00	11.12	13.63
10.125.0	23.61	342.89	10.078.0	-123.7	-652.6	-25.5	12.00	11.33	10.51
10.150.0	26.47	344.99	10.100.6	-113.6	-655.5	-15.0	12.00	11.47	8.36
10.175.0	29.37	346.69	10.122.7	-102.2	-658.4	-3.3	12.00	11.57	6.83
10.200.0	32.28	348.12	10.144.2	-89.7	-661.2	9.5	12.00	11.64	5.70
10.225.0	35.20	349.33	10.165.0	-76.1	-663.9	23.3	12.00	11.69	4.85
10.250.0	38.13	350.38	10.185.0	-61.4	-666.5	38.2	12.00	11.74	4.19
10.275.0	41.08	351.30	10.204.3	-45.7	-669.0	54.2	12.00	11.77	3.68
10.300.0	44.02	352.12	10.222.7	-28.9	-671.5	71.1	12.00	11.79	3.27
10.325.0	46.98	352.85	10.240.2	-11.3	-673.8	88.9	12.00	11.82	2.94
10.350.0	49.94	353.52	10.256.8	7.3	-676.0	107.6	12.00	11.83	2.67
10.375.0	52.90	354.13	10.272.4	26.7	-678.1	127.1	12.00	11.85	2.45
10.400.0	55.86	354.70	10.286.9	47.0	-680.1	147.4	12.00	11.86	2.26
10.425.0	58.83	355.22	10.300.4	67.9	-681.9	168.4	12.00	11.87	2.11
10.450.0	61.80	355.72	10.312.8	89.6	-683.6	190.1	12.00	11.88	1.98
10.475.0	64.77	356.19	10.324.1	111.8	-685.2	212.4	12.00	11.88	1.87
10.496.7	67.35	356.57	10.332.9	131.7	-686.5	232.1	12.00	11.89	1.79
FTP(Pome 36 st Com #502H)									
10.500.0	67.74	356.63	10.334.1	134.7	-686.6	235.2	12.00	11.89	1.75
10.525.0	70.71	357.06	10.343.0	158.0	-687.9	258.4	12.00	11.89	1.71
10.550.0	73.69	357.47	10.350.6	181.8	-689.1	282.1	12.00	11.90	1.65
10.575.0	76.66	357.87	10.357.0	205.9	-690.0	306.1	12.00	11.90	1.60
10.600.0	79.64	358.26	10.362.2	230.4	-690.9	330.4	12.00	11.90	1.56
10.625.0	82.62	358.64	10.366.0	255.1	-691.5	354.9	12.00	11.90	1.53
10.650.0	85.59	359.02	10.368.6	279.9	-692.0	379.6	12.00	11.91	1.51
10.675.0	88.57	359.40	10.369.8	304.9	-692.4	404.3	12.00	11.91	1.50
10.687.0	90.00	359.58	10.370.0	316.9	-692.5	416.2	12.00	11.91	1.49
10.700.0	90.00	359.58	10.370.0	329.9	-692.6	429.1	0.00	0.00	0.00
10.800.0	90.00	359.58	10.370.0	429.9	-693.3	528.1	0.00	0.00	0.00
10.900.0	90.00	359.58	10.370.0	529.9	-694.1	627.1	0.00	0.00	0.00
11.000.0	90.00	359.58	10.370.0	629.9	-694.8	726.1	0.00	0.00	0.00
11.100.0	90.00	359.58	10.370.0	729.9	-695.6	825.1	0.00	0.00	0.00
11.200.0	90.00	359.58	10.370.0	829.9	-696.3	924.1	0.00	0.00	0.00
11.300.0	90.00	359.58	10.370.0	929.9	-697.0	1,023.1	0.00	0.00	0.00
11.400.0	90.00	359.58	10.370.0	1,029.9	-697.8	1,122.1	0.00	0.00	0.00
11.500.0	90.00	359.58	10.370.0	1,129.9	-698.5	1,221.1	0.00	0.00	0.00
11.600.0	90.00	359.58	10.370.0	1,229.9	-699.3	1,320.1	0.00	0.00	0.00
11.700.0	90.00	359.58	10.370.0	1,329.9	-700.0	1,419.1	0.00	0.00	0.00
11.800.0	90.00	359.58	10.370.0	1,429.9	-700.8	1,518.1	0.00	0.00	0.00
11.900.0	90.00	359.58	10.370.0	1,529.9	-701.5	1,617.1	0.00	0.00	0.00
12.000.0	90.00	359.58	10.370.0	1,629.9	-702.2	1,716.1	0.00	0.00	0.00
12.100.0	90.00	359.58	10.370.0	1,729.9	-703.0	1,815.1	0.00	0.00	0.00
12.200.0	90.00	359.58	10.370.0	1,829.9	-703.7	1,914.1	0.00	0.00	0.00
12.300.0	90.00	359.58	10.370.0	1,929.9	-704.5	2,013.1	0.00	0.00	0.00
12.400.0	90.00	359.58	10.370.0	2,029.9	-705.2	2,112.1	0.00	0.00	0.00
12.500.0	90.00	359.58	10.370.0	2,129.9	-705.9	2,211.1	0.00	0.00	0.00
12.600.0	90.00	359.58	10.370.0	2,229.8	-706.7	2,310.1	0.00	0.00	0.00
12.700.0	90.00	359.58	10.370.0	2,329.8	-707.4	2,409.1	0.00	0.00	0.00
12.800.0	90.00	359.58	10.370.0	2,429.8	-708.2	2,508.1	0.00	0.00	0.00
12.900.0	90.00	359.58	10.370.0	2,529.8	-708.9	2,607.1	0.00	0.00	0.00
13.000.0	90.00	359.58	10.370.0	2,629.8	-709.6	2,706.1	0.00	0.00	0.00
13.100.0	90.00	359.58	10.370.0	2,729.8	-710.4	2,805.1	0.00	0.00	0.00



EOG Resources, Inc.

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Wellbore: OH
Design: Plan #0.1

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MD Reference: KB = 25 @ 3688.0usft (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)
13.200.0	90.00	359.58	10,370.0	2,829.8	-711.1	2,904.1	0.00	0.00	0.00
13.300.0	90.00	359.58	10,370.0	2,929.8	-711.9	3,003.1	0.00	0.00	0.00
13.400.0	90.00	359.58	10,370.0	3,029.8	-712.6	3,102.1	0.00	0.00	0.00
13.500.0	90.00	359.58	10,370.0	3,129.8	-713.4	3,201.1	0.00	0.00	0.00
13.600.0	90.00	359.58	10,370.0	3,229.8	-714.1	3,300.1	0.00	0.00	0.00
13.700.0	90.00	359.58	10,370.0	3,329.8	-714.8	3,399.0	0.00	0.00	0.00
13.800.0	90.00	359.58	10,370.0	3,429.8	-715.6	3,498.0	0.00	0.00	0.00
13.900.0	90.00	359.58	10,370.0	3,529.8	-716.3	3,597.0	0.00	0.00	0.00
14.000.0	90.00	359.58	10,370.0	3,629.8	-717.1	3,696.0	0.00	0.00	0.00
14.100.0	90.00	359.58	10,370.0	3,729.8	-717.8	3,795.0	0.00	0.00	0.00
14.200.0	90.00	359.58	10,370.0	3,829.8	-718.5	3,894.0	0.00	0.00	0.00
14.300.0	90.00	359.58	10,370.0	3,929.8	-719.3	3,993.0	0.00	0.00	0.00
14.400.0	90.00	359.58	10,370.0	4,029.8	-720.0	4,092.0	0.00	0.00	0.00
14.500.0	90.00	359.58	10,370.0	4,129.8	-720.8	4,191.0	0.00	0.00	0.00
14.600.0	90.00	359.58	10,370.0	4,229.8	-721.5	4,290.0	0.00	0.00	0.00
14.700.0	90.00	359.58	10,370.0	4,329.8	-722.3	4,389.0	0.00	0.00	0.00
14.800.0	90.00	359.58	10,370.0	4,429.8	-723.0	4,488.0	0.00	0.00	0.00
14.900.0	90.00	359.58	10,370.0	4,529.8	-723.7	4,587.0	0.00	0.00	0.00
15.000.0	90.00	359.58	10,370.0	4,629.8	-724.5	4,686.0	0.00	0.00	0.00
15.100.0	90.00	359.58	10,370.0	4,729.8	-725.2	4,785.0	0.00	0.00	0.00
15.205.2	90.00	359.58	10,370.0	4,835.0	-726.0	4,889.2	0.00	0.00	0.00

PBHL(Pome 36 st Com #502H)

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(Pome 36 st Com #502H)	0.00	0.00	10,370.0	4,835.0	-726.0	559,966.00	782,140.00	32° 32' 10.041 N	103° 25' 4.218 W
- plan hits target center									
- Point									
FTP(Pome 36 st Com #502H)	0.00	0.00	10,370.0	115.0	-691.0	555,248.00	782,175.00	32° 31' 23.335 N	103° 25' 4.283 W
- plan misses target center by 41.0usft at 10496.7usft MD (10332.9 TVD, 131.7 N, -686.5 E)									
- Point									