

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88249
District II - (575) 748-
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Albuquerque, NM 87110
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-42387
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator EOG Resources, Inc.		6. State Oil & Gas Lease No.
3. Address of Operator P.O. Box 2267 Midland, TX 79702		7. Lease Name or Unit Agreement Name Frazier 34 State Com
4. Well Location Unit Letter A : 250 feet from the North line and 865 feet from the East line Section 34 Township 24S Range 33E NMPM County Lea		8. Well Number 502H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3505' GR		9. OGRID Number 7377
		10. Pool name or Wildcat Triste Draw; Bone Spring, East

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

EOG Resources requests an amendment to our approved APD for this well to reflect a change in BHL.

BHL change from 230' FNL & 1025' FEL TO: 230' FNL & 820' FEL, S27, T24S, R33E

Spud Date:

2/16/15

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Stan Wagner TITLE Regulatory Analyst DATE 02/25/15

Type or print name Stan Wagner E-mail address: PHONE: 432-686-3689

For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE 03/03/15

Conditions of Approval (if any):

MAR 04 2015

RK

Revised Permit Information 2/25/15:

Well Name: Frazier 34 State Com No. 502H

Location:

SL: 250' FNL & 865' FEL, Section 34, T-24-S, R-33-E, Lea Co., N.M.

BHL: 230' FNL & 820' FEL, Section 27, T-24-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 – 1225'	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'-15,957'	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
1225'	500	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
15,957'	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')
	400	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:

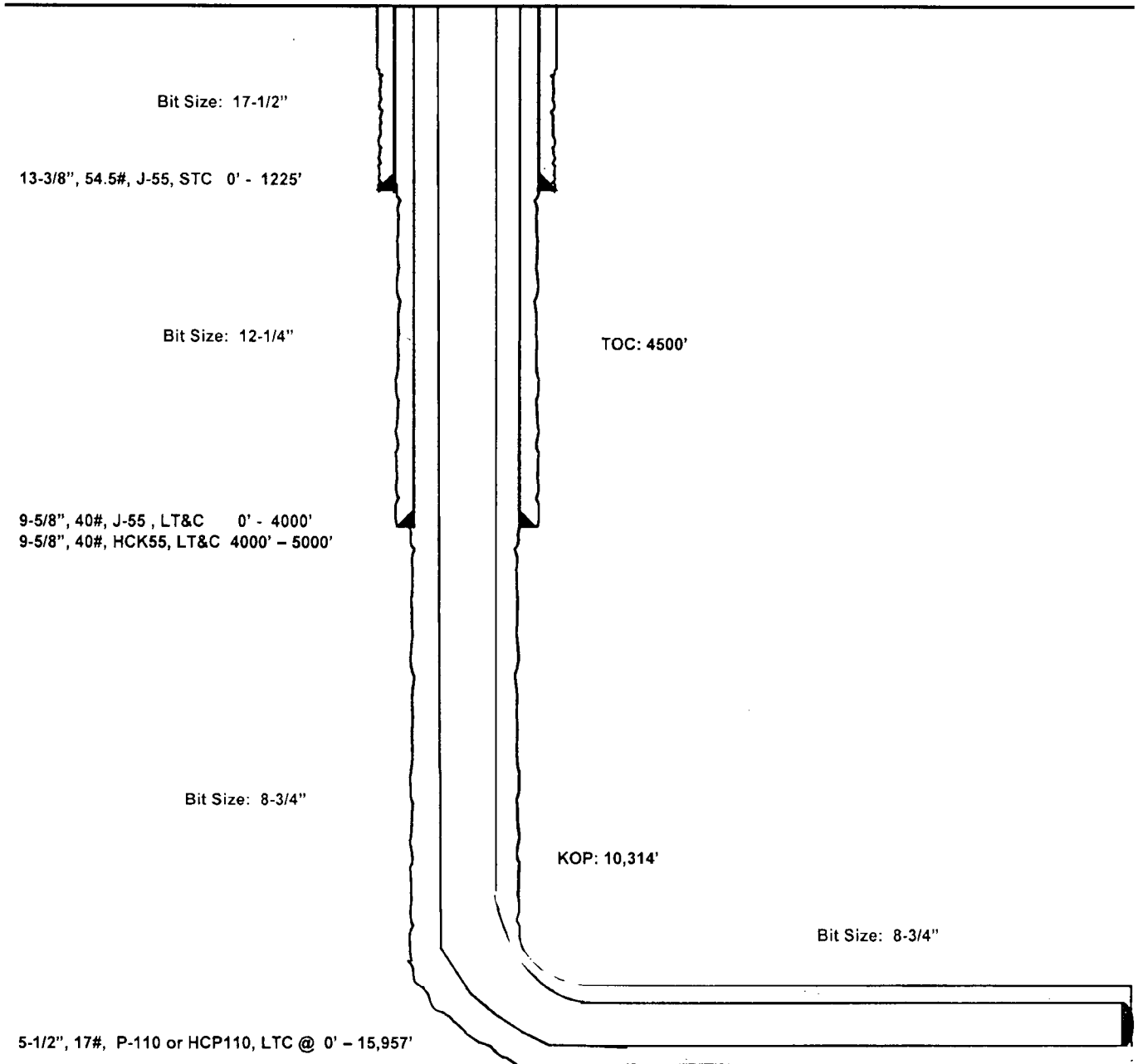
Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1225'	Fresh - Gel	8.6-8.8	28-34	N/c
1205' – 5,000'	Brine	10.0-10.2	28-34	N/c
5,000' – 10,314'	Cut Brine	8.4-9.0	28-34	N/c
10,314' – 15,957' Lateral	Cut Brine	9.0-9.5	40-42	8-10

Frazier 34 State Com #502H
Lea County, New Mexico

250' FNL
865' FEL
Section 34
T-24-S, R-33-E

Proposed Wellbore
Revised 2/25/15
API: 30-025-42387

KB: 3,530'
GL: 3,505'



Lateral: 15,957' MD, 10,900' TVD

BH Location: 230' FNL & 820' FEL
Section 27
T-24-S, R-33-E



Lea County, NM (NAD 27 NME)

Frazier 34 State Com #502H

H&P 328

Plan #3

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: 3505.0
KB = 24 @ 3529.0ush (H&P 328)
Northing: 430273.00 Easting: 741122.00 Lat/Long: 32° 10' 49.831 N 103° 33' 14.352 W

SECTION DETAILS

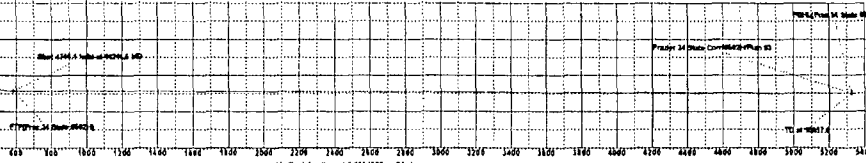
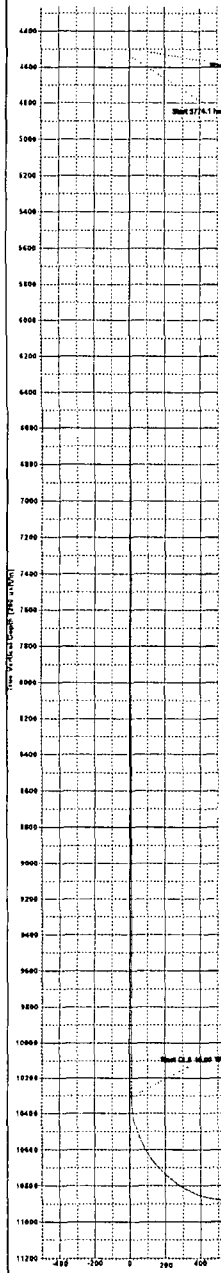
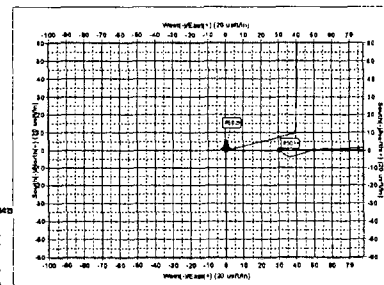
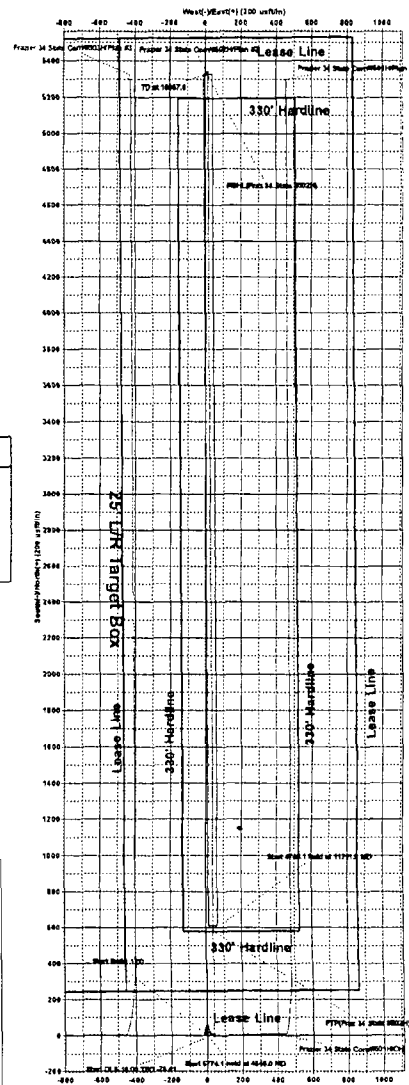
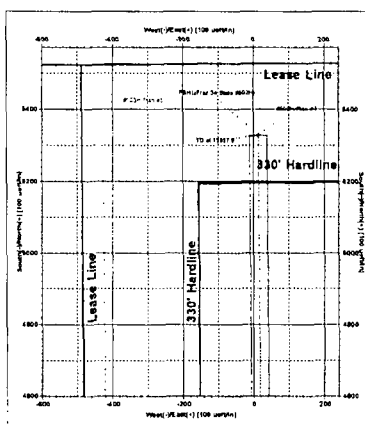
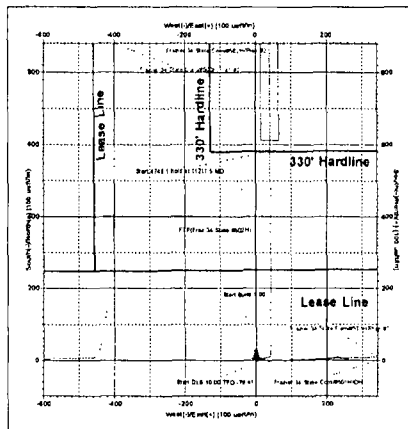
Sec	MD	Inc	Azi	TVD	+N/S	+E/W	Dieg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4500.0	0.00	0.00	4500.0	0.0	0.0	0.00	0.00	0.0	
3	4540.0	0.40	76.09	4540.0	0.0	0.1	1.00	76.09	0.0	
4	10314.1	0.40	76.09	10314.0	9.7	39.3	0.00	0.00	9.8	
5	11211.5	89.83	359.69	10886.0	581.0	40.0	10.00	-76.41	581.1	FTP(Fraz 34 State #502H)
6	15957.6	89.83	359.69	10900.0	5327.0	14.0	0.00	0.00	5327.0	PBHL(Fraz 34 State #502H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/S	+E/W	Northing	Easting
FTP(Fraz 34 State #502H)	10886.0	581.0	40.0	430864.00	741162.00
PBHL(Fraz 34 State #502H)	10900.0	5327.0	14.0	435660.00	741136.00





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Frazier 34 State Com

#502H

OH

Plan: Plan #3

Standard Planning Report

24 February, 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: Frazier 34 State Com
Well: #502H
Wellbore: OH
Design: Plan #3

Local Co-ordinate Reference: Well #502H
TVD Reference: KB = 24 @ 3529.0usft (H&P 328)
MD Reference: KB = 24 @ 3529.0usft (H&P 328)
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	Frazier 34 State Com		
Site Position:		Northing:	430,273.00 usft
From:	Map	Easting:	741,152.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 10' 49.929 N
		Longitude:	103° 33' 14.003 W
		Grid Convergence:	0.42 °

Well	#502H		
Well Position	+N/-S	0.0 usft	Northing: 430,273.00 usft
	+E/-W	-30.0 usft	Easting: 741,122.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 10' 49.931 N
		Longitude:	103° 33' 14.352 W
		Ground Level:	3,505.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	3/26/2015	(°)
			7.18
			Dip Angle
			(°)
			60.05
			Field Strength
			(nT)
			48,143

Design	Plan #3		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			0.15

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	
4,540.0	0.40	76.09	4,540.0	0.0	0.1	1.00	1.00	0.00	76.09	
10,314.1	0.40	76.09	10,314.0	9.7	39.3	0.00	0.00	0.00	0.00	
11,211.5	89.83	359.69	10,886.0	581.0	40.0	10.00	9.97	-8.51	-76.41	FTP(Fraz 34 State #5
15,957.6	89.83	359.69	10,900.0	5,327.0	14.0	0.00	0.00	0.00	0.00	PBHL(Fraz 34 State #



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Planning Report

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Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
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Well: #502H
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MD Reference: KB = 24 @ 3529.0usft (H&P 328)
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
4,540.0	0.40	76.09	4,540.0	0.0	0.1	0.0	1.00	1.00	0.00
4,600.0	0.40	76.09	4,600.0	0.1	0.5	0.1	0.00	0.00	0.00
4,700.0	0.40	76.09	4,700.0	0.3	1.2	0.3	0.00	0.00	0.00
4,800.0	0.40	76.09	4,800.0	0.5	1.9	0.5	0.00	0.00	0.00
4,900.0	0.40	76.09	4,900.0	0.6	2.6	0.6	0.00	0.00	0.00
5,000.0	0.40	76.09	5,000.0	0.8	3.3	0.8	0.00	0.00	0.00
5,100.0	0.40	76.09	5,100.0	1.0	3.9	1.0	0.00	0.00	0.00
5,200.0	0.40	76.09	5,200.0	1.1	4.6	1.2	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

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Well: #502H
Wellbore: OH
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MD Reference: KB = 24 @ 3529.0usft (H&P 328)
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)
5,300.0	0.40	76.09	5,300.0	1.3	5.3	1.3	0.00	0.00	0.00
5,400.0	0.40	76.09	5,400.0	1.5	6.0	1.5	0.00	0.00	0.00
5,500.0	0.40	76.09	5,500.0	1.6	6.6	1.7	0.00	0.00	0.00
5,600.0	0.40	76.09	5,600.0	1.8	7.3	1.8	0.00	0.00	0.00
5,700.0	0.40	76.09	5,700.0	2.0	8.0	2.0	0.00	0.00	0.00
5,800.0	0.40	76.09	5,800.0	2.1	8.7	2.2	0.00	0.00	0.00
5,900.0	0.40	76.09	5,900.0	2.3	9.4	2.3	0.00	0.00	0.00
6,000.0	0.40	76.09	6,000.0	2.5	10.0	2.5	0.00	0.00	0.00
6,100.0	0.40	76.09	6,100.0	2.7	10.7	2.7	0.00	0.00	0.00
6,200.0	0.40	76.09	6,200.0	2.8	11.4	2.8	0.00	0.00	0.00
6,300.0	0.40	76.09	6,300.0	3.0	12.1	3.0	0.00	0.00	0.00
6,400.0	0.40	76.09	6,400.0	3.2	12.7	3.2	0.00	0.00	0.00
6,500.0	0.40	76.09	6,500.0	3.3	13.4	3.4	0.00	0.00	0.00
6,600.0	0.40	76.09	6,599.9	3.5	14.1	3.5	0.00	0.00	0.00
6,700.0	0.40	76.09	6,699.9	3.7	14.8	3.7	0.00	0.00	0.00
6,800.0	0.40	76.09	6,799.9	3.8	15.4	3.9	0.00	0.00	0.00
6,900.0	0.40	76.09	6,899.9	4.0	16.1	4.0	0.00	0.00	0.00
7,000.0	0.40	76.09	6,999.9	4.2	16.8	4.2	0.00	0.00	0.00
7,100.0	0.40	76.09	7,099.9	4.3	17.5	4.4	0.00	0.00	0.00
7,200.0	0.40	76.09	7,199.9	4.5	18.2	4.5	0.00	0.00	0.00
7,300.0	0.40	76.09	7,299.9	4.7	18.8	4.7	0.00	0.00	0.00
7,400.0	0.40	76.09	7,399.9	4.8	19.5	4.9	0.00	0.00	0.00
7,500.0	0.40	76.09	7,499.9	5.0	20.2	5.1	0.00	0.00	0.00
7,600.0	0.40	76.09	7,599.9	5.2	20.9	5.2	0.00	0.00	0.00
7,700.0	0.40	76.09	7,699.9	5.3	21.5	5.4	0.00	0.00	0.00
7,800.0	0.40	76.09	7,799.9	5.5	22.2	5.6	0.00	0.00	0.00
7,900.0	0.40	76.09	7,899.9	5.7	22.9	5.7	0.00	0.00	0.00
8,000.0	0.40	76.09	7,999.9	5.8	23.6	5.9	0.00	0.00	0.00
8,100.0	0.40	76.09	8,099.9	6.0	24.3	6.1	0.00	0.00	0.00
8,200.0	0.40	76.09	8,199.9	6.2	24.9	6.2	0.00	0.00	0.00
8,300.0	0.40	76.09	8,299.9	6.3	25.6	6.4	0.00	0.00	0.00
8,400.0	0.40	76.09	8,399.9	6.5	26.3	6.6	0.00	0.00	0.00
8,500.0	0.40	76.09	8,499.9	6.7	27.0	6.7	0.00	0.00	0.00
8,600.0	0.40	76.09	8,599.9	6.8	27.6	6.9	0.00	0.00	0.00
8,700.0	0.40	76.09	8,699.9	7.0	28.3	7.1	0.00	0.00	0.00
8,800.0	0.40	76.09	8,799.9	7.2	29.0	7.3	0.00	0.00	0.00
8,900.0	0.40	76.09	8,899.9	7.3	29.7	7.4	0.00	0.00	0.00
9,000.0	0.40	76.09	8,999.9	7.5	30.4	7.6	0.00	0.00	0.00
9,100.0	0.40	76.09	9,099.9	7.7	31.0	7.8	0.00	0.00	0.00
9,200.0	0.40	76.09	9,199.9	7.9	31.7	7.9	0.00	0.00	0.00
9,300.0	0.40	76.09	9,299.9	8.0	32.4	8.1	0.00	0.00	0.00
9,400.0	0.40	76.09	9,399.9	8.2	33.1	8.3	0.00	0.00	0.00
9,500.0	0.40	76.09	9,499.9	8.4	33.7	8.4	0.00	0.00	0.00
9,600.0	0.40	76.09	9,599.9	8.5	34.4	8.6	0.00	0.00	0.00
9,700.0	0.40	76.09	9,699.9	8.7	35.1	8.8	0.00	0.00	0.00
9,800.0	0.40	76.09	9,799.9	8.9	35.8	9.0	0.00	0.00	0.00
9,900.0	0.40	76.09	9,899.9	9.0	36.5	9.1	0.00	0.00	0.00
10,000.0	0.40	76.09	9,999.9	9.2	37.1	9.3	0.00	0.00	0.00
10,100.0	0.40	76.09	10,099.9	9.4	37.8	9.5	0.00	0.00	0.00
10,200.0	0.40	76.09	10,199.9	9.5	38.5	9.6	0.00	0.00	0.00
10,300.0	0.40	76.09	10,299.9	9.7	39.2	9.8	0.00	0.00	0.00
10,314.1	0.40	76.09	10,314.0	9.7	39.3	9.8	0.00	0.00	0.00
10,350.0	3.70	5.71	10,349.8	10.9	39.5	11.0	10.00	9.20	-196.28
10,400.0	8.69	2.23	10,399.5	16.3	39.8	16.4	10.00	9.98	-6.95



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Frazier 34 State Com
Well: #502H
Wellbore: OH
Design: Plan #3

Local Co-ordinate Reference: Well #502H
TVD Reference: KB = 24 @ 3529.0usft (H&P 328)
MD Reference: KB = 24 @ 3529.0usft (H&P 328)
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)
10,450.0	13.69	1.28	10,448.6	26.0	40.1	26.1	10.00	9.99	-1.90
10,500.0	18.68	0.83	10,496.6	39.9	40.3	40.0	10.00	10.00	-0.89
10,550.0	23.68	0.57	10,543.2	58.0	40.5	58.1	10.00	10.00	-0.53
10,600.0	28.68	0.40	10,588.0	80.0	40.7	80.1	10.00	10.00	-0.35
10,650.0	33.68	0.27	10,630.8	105.9	40.9	106.0	10.00	10.00	-0.25
10,700.0	38.68	0.17	10,671.1	135.4	41.0	135.5	10.00	10.00	-0.20
10,750.0	43.68	0.09	10,708.8	168.3	41.1	168.4	10.00	10.00	-0.16
10,800.0	48.68	0.03	10,743.4	204.4	41.1	204.5	10.00	10.00	-0.13
10,850.0	53.68	359.97	10,774.7	243.3	41.1	243.4	10.00	10.00	-0.11
10,900.0	58.68	359.92	10,802.5	284.9	41.1	285.0	10.00	10.00	-0.10
10,950.0	63.68	359.88	10,826.6	328.7	41.0	328.8	10.00	10.00	-0.09
11,000.0	68.68	359.84	10,846.8	374.4	40.9	374.5	10.00	10.00	-0.08
11,050.0	73.68	359.80	10,862.9	421.7	40.7	421.8	10.00	10.00	-0.08
11,100.0	78.68	359.76	10,874.9	470.2	40.5	470.3	10.00	10.00	-0.07
11,150.0	83.68	359.73	10,882.5	519.6	40.3	519.7	10.00	10.00	-0.07
11,200.0	88.68	359.69	10,885.9	569.5	40.1	569.6	10.00	10.00	-0.07
11,211.5	89.83	359.69	10,886.0	581.0	40.0	581.1	10.00	10.00	-0.07
FTP(Fraz 34 State #502H)									
11,300.0	89.83	359.69	10,886.3	669.5	39.5	669.6	0.00	0.00	0.00
11,400.0	89.83	359.69	10,886.6	769.5	39.0	769.6	0.00	0.00	0.00
11,500.0	89.83	359.69	10,886.9	869.5	38.4	869.6	0.00	0.00	0.00
11,600.0	89.83	359.69	10,887.1	969.5	37.9	969.6	0.00	0.00	0.00
11,700.0	89.83	359.69	10,887.4	1,069.5	37.3	1,069.6	0.00	0.00	0.00
11,800.0	89.83	359.69	10,887.7	1,169.5	36.8	1,169.6	0.00	0.00	0.00
11,900.0	89.83	359.69	10,888.0	1,269.5	36.2	1,269.6	0.00	0.00	0.00
12,000.0	89.83	359.69	10,888.3	1,369.5	35.7	1,369.6	0.00	0.00	0.00
12,100.0	89.83	359.69	10,888.6	1,469.5	35.1	1,469.6	0.00	0.00	0.00
12,200.0	89.83	359.69	10,888.9	1,569.5	34.6	1,569.6	0.00	0.00	0.00
12,300.0	89.83	359.69	10,889.2	1,669.5	34.0	1,669.6	0.00	0.00	0.00
12,400.0	89.83	359.69	10,889.5	1,769.5	33.5	1,769.6	0.00	0.00	0.00
12,500.0	89.83	359.69	10,889.8	1,869.5	32.9	1,869.5	0.00	0.00	0.00
12,600.0	89.83	359.69	10,890.1	1,969.5	32.4	1,969.5	0.00	0.00	0.00
12,700.0	89.83	359.69	10,890.4	2,069.5	31.8	2,069.5	0.00	0.00	0.00
12,800.0	89.83	359.69	10,890.7	2,169.5	31.3	2,169.5	0.00	0.00	0.00
12,900.0	89.83	359.69	10,891.0	2,269.5	30.8	2,269.5	0.00	0.00	0.00
13,000.0	89.83	359.69	10,891.3	2,369.5	30.2	2,369.5	0.00	0.00	0.00
13,100.0	89.83	359.69	10,891.6	2,469.5	29.7	2,469.5	0.00	0.00	0.00
13,126.9	89.83	359.69	10,891.6	2,496.4	29.5	2,496.5	0.00	0.00	0.00
TGT#1(Fraz 34 State #502H)									
13,200.0	89.83	359.69	10,891.9	2,569.5	29.1	2,569.5	0.00	0.00	0.00
13,300.0	89.83	359.69	10,892.2	2,669.5	28.6	2,669.5	0.00	0.00	0.00
13,400.0	89.83	359.69	10,892.5	2,769.4	28.0	2,769.5	0.00	0.00	0.00
13,500.0	89.83	359.69	10,892.8	2,869.4	27.5	2,869.5	0.00	0.00	0.00
13,600.0	89.83	359.69	10,893.0	2,969.4	26.9	2,969.5	0.00	0.00	0.00
13,700.0	89.83	359.69	10,893.3	3,069.4	26.4	3,069.5	0.00	0.00	0.00
13,800.0	89.83	359.69	10,893.6	3,169.4	25.8	3,169.5	0.00	0.00	0.00
13,900.0	89.83	359.69	10,893.9	3,269.4	25.3	3,269.5	0.00	0.00	0.00
14,000.0	89.83	359.69	10,894.2	3,369.4	24.7	3,369.5	0.00	0.00	0.00
14,100.0	89.83	359.69	10,894.5	3,469.4	24.2	3,469.5	0.00	0.00	0.00
14,200.0	89.83	359.69	10,894.8	3,569.4	23.6	3,569.5	0.00	0.00	0.00
14,300.0	89.83	359.69	10,895.1	3,669.4	23.1	3,669.5	0.00	0.00	0.00
14,400.0	89.83	359.69	10,895.4	3,769.4	22.5	3,769.5	0.00	0.00	0.00
14,500.0	89.83	359.69	10,895.7	3,869.4	22.0	3,869.5	0.00	0.00	0.00
14,600.0	89.83	359.69	10,896.0	3,969.4	21.4	3,969.5	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: Frazier 34 State Corn
 Well: #502H
 Wellbore: OH
 Design: Plan #3

Local Co-ordinate Reference: Well #502H
 TVD Reference: KB = 24 @ 3529.0usft (H&P 328)
 MD Reference: KB = 24 @ 3529.0usft (H&P 328)
 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	89.83	359.69	10,896.3	4,069.4	20.9	4,069.5	0.00	0.00	0.00
14,800.0	89.83	359.69	10,896.6	4,169.4	20.3	4,169.5	0.00	0.00	0.00
14,900.0	89.83	359.69	10,896.9	4,269.4	19.8	4,269.5	0.00	0.00	0.00
15,000.0	89.83	359.69	10,897.2	4,369.4	19.2	4,369.5	0.00	0.00	0.00
15,100.0	89.83	359.69	10,897.5	4,469.4	18.7	4,469.4	0.00	0.00	0.00
15,127.9	89.83	359.69	10,897.6	4,497.3	18.5	4,497.3	0.00	0.00	0.00
TGT#2(Fraz 34 State #502H)									
15,200.0	89.83	359.69	10,897.8	4,569.4	18.2	4,569.4	0.00	0.00	0.00
15,300.0	89.83	359.69	10,898.1	4,669.4	17.6	4,669.4	0.00	0.00	0.00
15,400.0	89.83	359.69	10,898.4	4,769.4	17.1	4,769.4	0.00	0.00	0.00
15,500.0	89.83	359.69	10,898.7	4,869.4	16.5	4,869.4	0.00	0.00	0.00
15,600.0	89.83	359.69	10,898.9	4,969.4	16.0	4,969.4	0.00	0.00	0.00
15,700.0	89.83	359.69	10,899.2	5,069.4	15.4	5,069.4	0.00	0.00	0.00
15,800.0	89.83	359.69	10,899.5	5,169.4	14.9	5,169.4	0.00	0.00	0.00
15,900.0	89.83	359.69	10,899.8	5,269.4	14.3	5,269.4	0.00	0.00	0.00
15,957.6	89.83	359.69	10,900.0	5,327.0	14.0	5,327.0	0.00	0.00	0.00
PBHL(Fraz 34 State #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									
FTP(Fraz 34 State #502)	0.00	0.01	10,886.0	581.0	40.0	430,854.00	741,162.00	32° 10' 55.678 N	103° 33' 13.838 W
- plan hits target center									
- Point									
PBHL(Fraz 34 State #50)	90.00	359.68	10,900.0	5,327.0	14.0	435,600.00	741,136.00	32° 11' 42.644 N	103° 33' 13.740 W
- plan hits target center									
- Rectangle (sides W50.0 H0.0 D4,716.3)									