

District I
1625 N French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone (575) 748-1283 Fax (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone (505) 334-6178 Fax (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-42386	² Pool Code 96682	³ Pool Name Triste Draw; Bone Spring East
⁴ Property Code 314122	⁵ Property Name FRAZIER 34 STATE Com	⁶ Well Number #501H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3505'

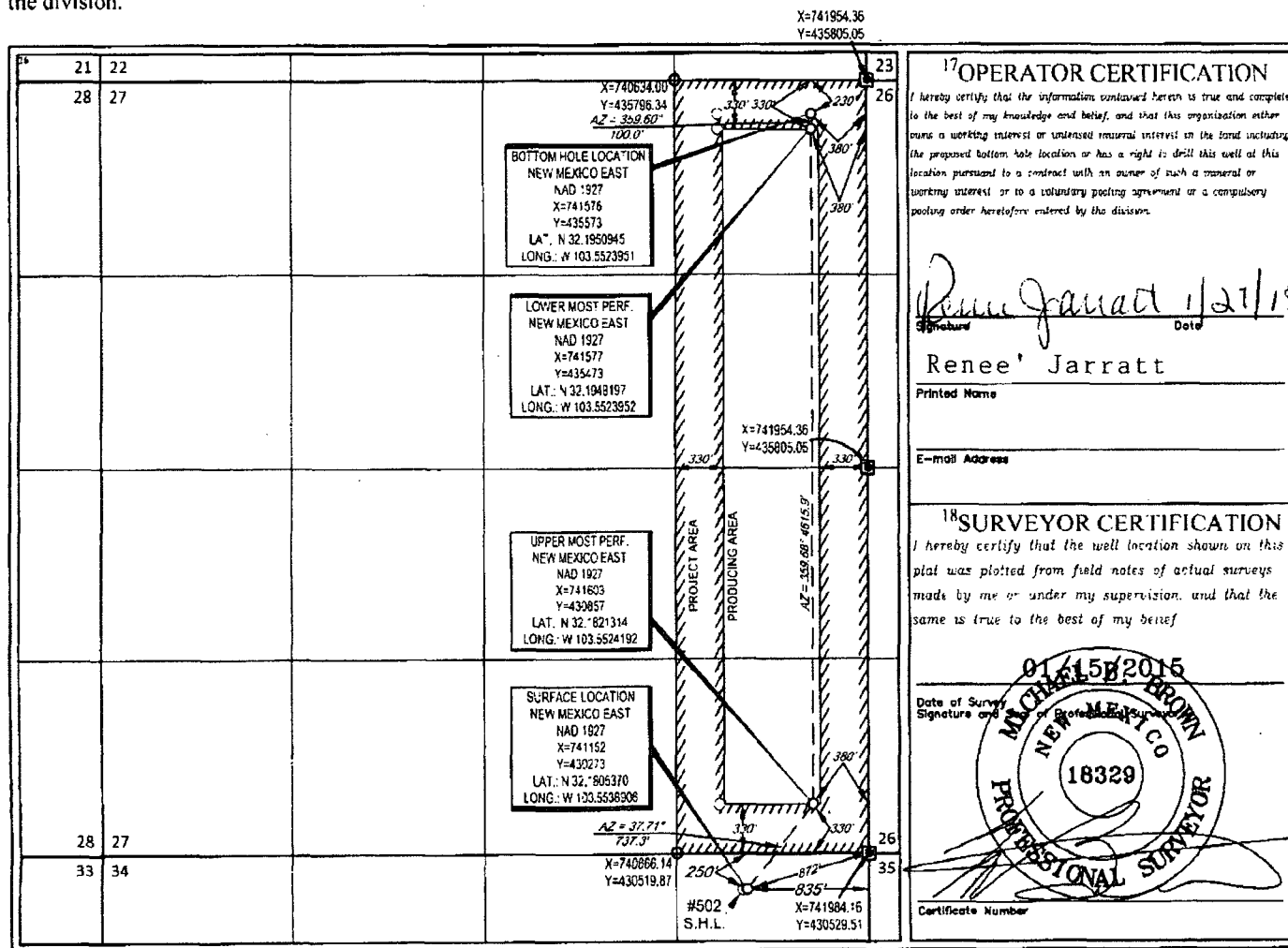
¹⁰Surface Location

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	34	24-S	33-E	-	250'	NORTH	835'	EAST	LEA

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	27	24-S	33-E	-	230'	NORTH	380'	EAST	LEA

¹¹ Dedicated Acres	¹² Joint or Infill	¹³ Consolidation Code	¹⁴ Order No.
160.00			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



JAN 29 2015

Permit Information:

30-025-42386

Well Name: Frazier 34 State Com No. 501H

Location:

SL: 250' FNL & 835' FEL, Section 34, T-24-S, R-33-E, Lea Co., N.M.

BHL: 230' FNL & 380' 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'-15,946'	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
15,946'	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' - 10,329'	Cut Brine	8.4-9.0	28-34	N/c
10,329' - 15,946' Lateral	Cut Brine	9.0-9.5	40-42	8-10

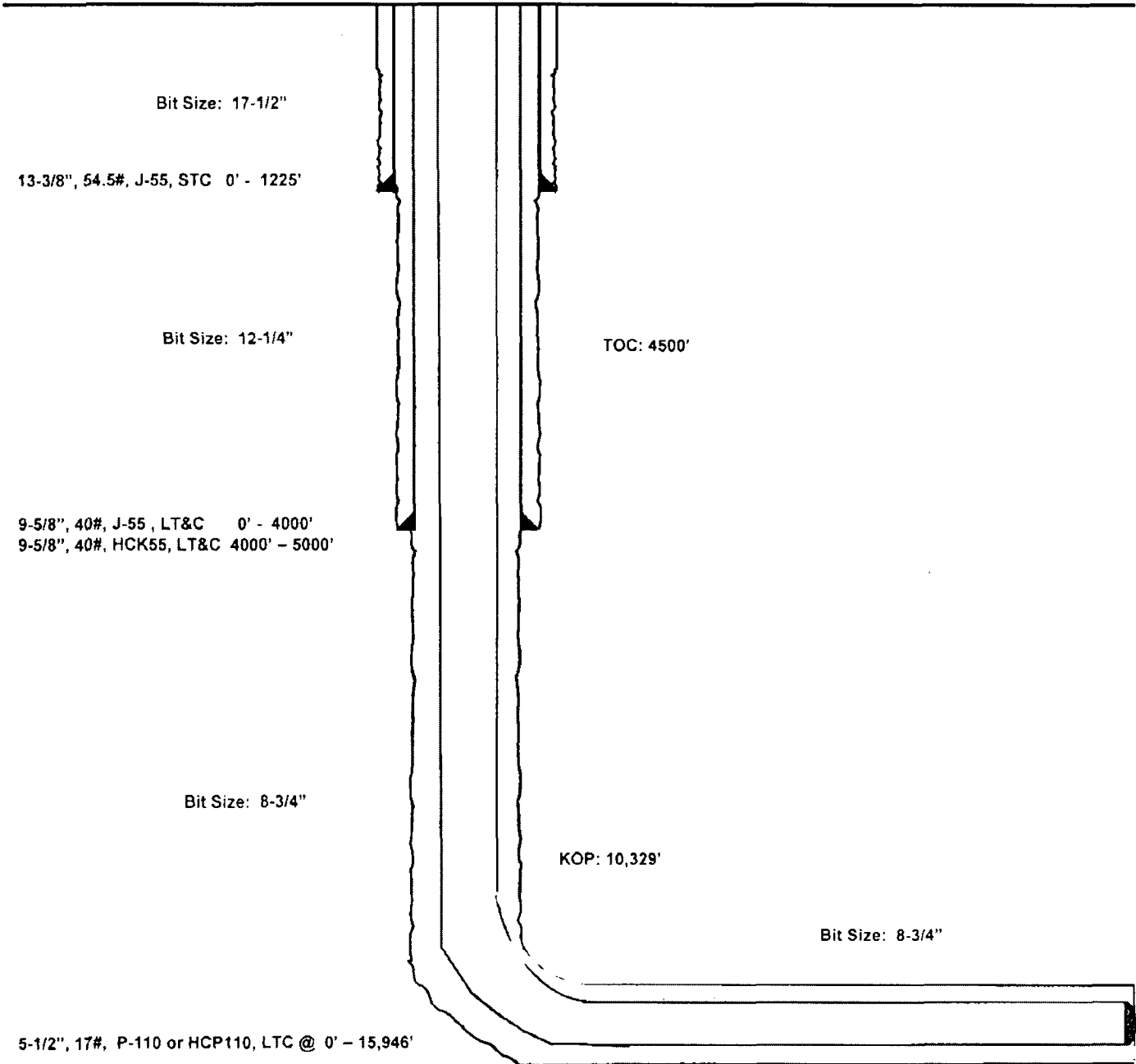
Frazier 34 State Com #501H
Lea County, New Mexico

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

Proposed Wellbore

API: 30-025-

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



Lateral: 15,946' MD, 10,868' TVD

BH Location: 230' FNL & 380' FEL
Section 27
T-24-S, R-33-E



Lea County, NM (NAD 27 NME)

Frazier 34 State Com #501H

H&P 328

Plan #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: #501H

Ground Level: 3505.0
KB = 24 @ 3576 Oush (H&P 328)
Northing: 434273.00 Easting: 741152.00 Latitude: 32° 10' 49.979 N Longitude: 103° 33' 14.903 W

SECTION DETAILS

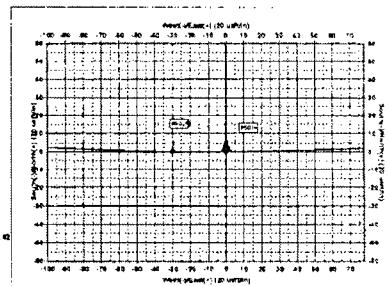
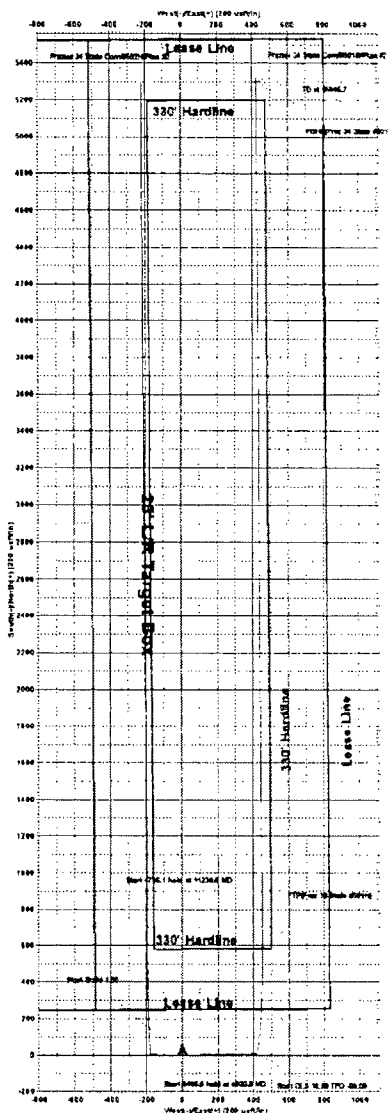
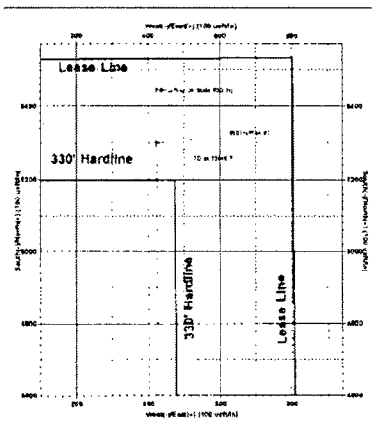
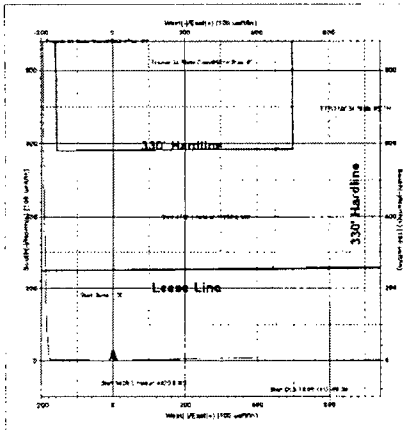
Sec	MD	Inc	Azi	TYD	+N/-S	+E/-W	Dleg	TFace	VSecl	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	Target
2	4500.0	0.00	0.00	4500.0	0.0	0.0	0.00	0.00	0.0	
3	4920.8	4.21	88.78	4920.4	0.3	15.4	1.00	88.78	0.6	
4	10329.2	4.21	88.78	10314.3	8.8	412.2	0.00	0.00	17.2	
5	11230.6	90.20	359.87	10865.0	504.0	451.0	10.00	-89.09	593.0	FTP(Fraz 34 State #501H)
6	15946.7	90.20	359.87	10868.5	5300.0	424.0	0.00	0.00	8307.5	PBHL(Fraz 34 State #501H)

GAZING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TYD	+N/-S	+E/-W	Northing	Easting
PBHL(Fraz 34 State #501H)	10868.5	5300.0	424.0	434673.00	741978.00
FTP(Fraz 34 State #501H)	10865.0	504.0	451.0	430987.00	741403.00





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Frazier 34 State Com

#501H

OH

Plan: Plan #2

Standard Planning Report

23 January, 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 Corn
Well: #501H
Wellbore: OH
Design: Plan #2

Local Co-ordinate Reference: Well #501H
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 Corn		
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	#501H		
Well Position	+N/-S	0.0 usft	Northing: 430,273.00 usft
	+E/-W	0.0 usft	Easting: 741,152.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 10' 49.929 N
		Longitude:	103° 33' 14.003 W
		Ground Level:	3,505.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	3/7/2015	(°)
			7.19
		Dip Angle	(°)
		60.06	
		Field Strength	(nT)
		48,148	

Design	Plan #2		
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	(°)
		1.16	

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
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	
4,920.8	4.21	88.78	4,920.4	0.3	15.4	1.00	1.00	0.00	88.78	
10,329.2	4.21	88.78	10,314.3	8.8	412.2	0.00	0.00	0.00	0.00	
11,230.6	90.20	359.67	10,885.0	584.0	451.0	10.00	9.54	-9.89	-89.09	FTP(Fraz 34 State #5
15,946.7	90.20	359.67	10,868.5	5,300.0	424.0	0.00	0.00	0.00	0.00	PBHL(Fraz 34 State #



EOG Resources, Inc.

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Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Frazier 34 State Com
Well: #501H
Wellbore: OH
Design: Plan #2

Local Co-ordinate Reference: Well #501H
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)
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	88.78	4,600.0	0.0	0.9	0.0	1.00	1.00	0.00
4,700.0	2.00	88.78	4,700.0	0.1	3.5	0.1	1.00	1.00	0.00
4,800.0	3.00	88.78	4,799.9	0.2	7.9	0.3	1.00	1.00	0.00
4,900.0	4.00	88.78	4,899.7	0.3	14.0	0.6	1.00	1.00	0.00
4,920.8	4.21	88.78	4,920.4	0.3	15.4	0.6	1.00	1.00	0.00
5,000.0	4.21	88.78	4,999.4	0.5	21.3	0.9	0.00	0.00	0.00
5,100.0	4.21	88.78	5,099.1	0.6	28.6	1.2	0.00	0.00	0.00
5,200.0	4.21	88.78	5,198.9	0.8	35.9	1.5	0.00	0.00	0.00



EOG Resources, Inc.

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 Site: Frazier 34 State Com
 Well: #501H
 Wellbore: OH
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Local Co-ordinate Reference: Well #501H
 TVD Reference: KB = 24 @ 3529.0usft (H&P 328)
 MD Reference: KB = 24 @ 3529.0usft (H&P 328)
 North Reference: Gnd
 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	4.21	88.78	5,298.6	0.9	43.3	1.8	0.00	0.00	0.00
5,400.0	4.21	88.78	5,398.3	1.1	50.6	2.1	0.00	0.00	0.00
5,500.0	4.21	88.78	5,498.1	1.2	57.9	2.4	0.00	0.00	0.00
5,600.0	4.21	88.78	5,597.8	1.4	65.3	2.7	0.00	0.00	0.00
5,700.0	4.21	88.78	5,697.5	1.6	72.6	3.0	0.00	0.00	0.00
5,800.0	4.21	88.78	5,797.3	1.7	79.9	3.3	0.00	0.00	0.00
5,900.0	4.21	88.78	5,897.0	1.9	87.3	3.6	0.00	0.00	0.00
6,000.0	4.21	88.78	5,996.7	2.0	94.6	3.9	0.00	0.00	0.00
6,100.0	4.21	88.78	6,096.4	2.2	101.9	4.2	0.00	0.00	0.00
6,200.0	4.21	88.78	6,196.2	2.3	109.3	4.5	0.00	0.00	0.00
6,300.0	4.21	88.78	6,295.9	2.5	116.6	4.9	0.00	0.00	0.00
6,400.0	4.21	88.78	6,395.6	2.6	123.9	5.2	0.00	0.00	0.00
6,500.0	4.21	88.78	6,495.4	2.8	131.3	5.5	0.00	0.00	0.00
6,600.0	4.21	88.78	6,595.1	3.0	138.6	5.8	0.00	0.00	0.00
6,700.0	4.21	88.78	6,694.8	3.1	146.0	6.1	0.00	0.00	0.00
6,800.0	4.21	88.78	6,794.6	3.3	153.3	6.4	0.00	0.00	0.00
6,900.0	4.21	88.78	6,894.3	3.4	160.6	6.7	0.00	0.00	0.00
7,000.0	4.21	88.78	6,994.0	3.6	168.0	7.0	0.00	0.00	0.00
7,100.0	4.21	88.78	7,093.7	3.7	175.3	7.3	0.00	0.00	0.00
7,200.0	4.21	88.78	7,193.5	3.9	182.6	7.6	0.00	0.00	0.00
7,300.0	4.21	88.78	7,293.2	4.1	190.0	7.9	0.00	0.00	0.00
7,400.0	4.21	88.78	7,392.9	4.2	197.3	8.2	0.00	0.00	0.00
7,500.0	4.21	88.78	7,492.7	4.4	204.6	8.5	0.00	0.00	0.00
7,600.0	4.21	88.78	7,592.4	4.5	212.0	8.8	0.00	0.00	0.00
7,700.0	4.21	88.78	7,692.1	4.7	219.3	9.1	0.00	0.00	0.00
7,800.0	4.21	88.78	7,791.9	4.8	226.6	9.4	0.00	0.00	0.00
7,900.0	4.21	88.78	7,891.6	5.0	234.0	9.7	0.00	0.00	0.00
8,000.0	4.21	88.78	7,991.3	5.2	241.3	10.0	0.00	0.00	0.00
8,100.0	4.21	88.78	8,091.1	5.3	248.6	10.3	0.00	0.00	0.00
8,200.0	4.21	88.78	8,190.8	5.5	256.0	10.7	0.00	0.00	0.00
8,300.0	4.21	88.78	8,290.5	5.6	263.3	11.0	0.00	0.00	0.00
8,400.0	4.21	88.78	8,390.2	5.8	270.6	11.3	0.00	0.00	0.00
8,500.0	4.21	88.78	8,490.0	5.9	278.0	11.6	0.00	0.00	0.00
8,600.0	4.21	88.78	8,589.7	6.1	285.3	11.9	0.00	0.00	0.00
8,700.0	4.21	88.78	8,689.4	6.3	292.7	12.2	0.00	0.00	0.00
8,800.0	4.21	88.78	8,789.2	6.4	300.0	12.5	0.00	0.00	0.00
8,900.0	4.21	88.78	8,888.9	6.6	307.3	12.8	0.00	0.00	0.00
9,000.0	4.21	88.78	8,988.6	6.7	314.7	13.1	0.00	0.00	0.00
9,100.0	4.21	88.78	9,088.4	6.9	322.0	13.4	0.00	0.00	0.00
9,200.0	4.21	88.78	9,188.1	7.0	329.3	13.7	0.00	0.00	0.00
9,300.0	4.21	88.78	9,287.8	7.2	336.7	14.0	0.00	0.00	0.00
9,400.0	4.21	88.78	9,387.5	7.4	344.0	14.3	0.00	0.00	0.00
9,500.0	4.21	88.78	9,487.3	7.5	351.3	14.6	0.00	0.00	0.00
9,600.0	4.21	88.78	9,587.0	7.7	358.7	14.9	0.00	0.00	0.00
9,700.0	4.21	88.78	9,686.7	7.8	366.0	15.2	0.00	0.00	0.00
9,800.0	4.21	88.78	9,786.5	8.0	373.3	15.5	0.00	0.00	0.00
9,900.0	4.21	88.78	9,886.2	8.1	380.7	15.8	0.00	0.00	0.00
10,000.0	4.21	88.78	9,985.9	8.3	388.0	16.2	0.00	0.00	0.00
10,100.0	4.21	88.78	10,085.7	8.5	395.3	16.5	0.00	0.00	0.00
10,200.0	4.21	88.78	10,185.4	8.6	402.7	16.8	0.00	0.00	0.00
10,300.0	4.21	88.78	10,285.1	8.8	410.0	17.1	0.00	0.00	0.00
10,329.2	4.21	88.78	10,314.3	8.8	412.2	17.2	0.00	0.00	0.00
10,350.0	4.72	62.63	10,335.0	9.2	413.7	17.6	10.00	2.47	-125.76
10,400.0	8.29	30.02	10,384.7	13.3	417.3	21.7	10.00	7.13	-65.22



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: #501H
Wellbore: OH
Design: Plan #2

Local Co-ordinate Reference: Well #501H
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	12.84	18.51	10,433.8	21.7	420.9	30.2	10.00	9.11	-23.02
10,500.0	17.64	13.06	10,482.0	34.3	424.4	42.9	10.00	9.59	-10.89
10,550.0	22.52	9.90	10,529.0	51.2	427.7	59.8	10.00	9.77	-6.32
10,600.0	27.45	7.83	10,574.3	72.0	430.9	80.7	10.00	9.85	-4.15
10,650.0	32.39	6.35	10,617.6	96.8	434.0	105.5	10.00	9.89	-2.97
10,700.0	37.35	5.22	10,658.6	125.2	436.9	134.0	10.00	9.92	-2.25
10,750.0	42.32	4.32	10,697.0	157.1	439.5	166.0	10.00	9.93	-1.79
10,800.0	47.29	3.58	10,732.5	192.2	441.9	201.2	10.00	9.95	-1.48
10,850.0	52.27	2.95	10,764.8	230.3	444.1	239.3	10.00	9.95	-1.26
10,900.0	57.25	2.40	10,793.6	271.1	446.0	280.1	10.00	9.96	-1.10
10,950.0	62.23	1.91	10,818.8	314.3	447.6	323.3	10.00	9.96	-0.98
11,000.0	67.21	1.46	10,840.1	359.4	448.9	368.5	10.00	9.97	-0.90
11,050.0	72.20	1.04	10,857.5	406.3	449.9	415.3	10.00	9.97	-0.83
11,100.0	77.18	0.65	10,870.7	454.5	450.7	463.6	10.00	9.97	-0.79
11,150.0	82.17	0.27	10,879.6	503.7	451.0	512.7	10.00	9.97	-0.76
11,200.0	87.15	359.90	10,884.3	553.5	451.1	562.5	10.00	9.97	-0.74
11,230.6	90.20	359.67	10,885.0	584.0	451.0	593.0	10.00	9.97	-0.73
FTP(Fraz 34 State #501H)									
11,300.0	90.20	359.67	10,884.8	653.4	450.6	662.4	0.00	0.00	0.00
11,400.0	90.20	359.67	10,884.4	753.4	450.0	762.4	0.00	0.00	0.00
11,500.0	90.20	359.67	10,884.1	853.4	449.5	862.4	0.00	0.00	0.00
11,600.0	90.20	359.67	10,883.7	953.4	448.9	962.3	0.00	0.00	0.00
11,700.0	90.20	359.67	10,883.4	1,053.4	448.3	1,062.3	0.00	0.00	0.00
11,800.0	90.20	359.67	10,883.0	1,153.4	447.7	1,162.3	0.00	0.00	0.00
11,900.0	90.20	359.67	10,882.7	1,253.4	447.2	1,262.2	0.00	0.00	0.00
12,000.0	90.20	359.67	10,882.3	1,353.4	446.6	1,362.2	0.00	0.00	0.00
12,100.0	90.20	359.67	10,882.0	1,453.4	446.0	1,462.2	0.00	0.00	0.00
12,200.0	90.20	359.67	10,881.6	1,553.4	445.4	1,562.1	0.00	0.00	0.00
12,300.0	90.20	359.67	10,881.3	1,653.4	444.9	1,662.1	0.00	0.00	0.00
12,400.0	90.20	359.67	10,880.9	1,753.4	444.3	1,762.1	0.00	0.00	0.00
12,500.0	90.20	359.67	10,880.6	1,853.4	443.7	1,862.0	0.00	0.00	0.00
12,600.0	90.20	359.67	10,880.2	1,953.4	443.2	1,962.0	0.00	0.00	0.00
12,700.0	90.20	359.67	10,879.9	2,053.4	442.6	2,062.0	0.00	0.00	0.00
12,800.0	90.20	359.67	10,879.5	2,153.4	442.0	2,161.9	0.00	0.00	0.00
12,900.0	90.20	359.67	10,879.2	2,253.4	441.4	2,261.9	0.00	0.00	0.00
13,000.0	90.20	359.67	10,878.8	2,353.4	440.9	2,361.9	0.00	0.00	0.00
13,100.0	90.20	359.67	10,878.5	2,453.4	440.3	2,461.8	0.00	0.00	0.00
13,200.0	90.20	359.67	10,878.1	2,553.4	439.7	2,561.8	0.00	0.00	0.00
13,300.0	90.20	359.67	10,877.8	2,653.4	439.2	2,661.7	0.00	0.00	0.00
13,400.0	90.20	359.67	10,877.4	2,753.4	438.6	2,761.7	0.00	0.00	0.00
13,500.0	90.20	359.67	10,877.1	2,853.4	438.0	2,861.7	0.00	0.00	0.00
13,600.0	90.20	359.67	10,876.7	2,953.4	437.4	2,961.6	0.00	0.00	0.00
13,700.0	90.20	359.67	10,876.4	3,053.4	436.9	3,061.6	0.00	0.00	0.00
13,800.0	90.20	359.67	10,876.0	3,153.4	436.3	3,161.6	0.00	0.00	0.00
13,900.0	90.20	359.67	10,875.7	3,253.4	435.7	3,261.5	0.00	0.00	0.00
14,000.0	90.20	359.67	10,875.3	3,353.4	435.1	3,361.5	0.00	0.00	0.00
14,100.0	90.20	359.67	10,875.0	3,453.4	434.6	3,461.5	0.00	0.00	0.00
14,200.0	90.20	359.67	10,874.6	3,553.4	434.0	3,561.4	0.00	0.00	0.00
14,300.0	90.20	359.67	10,874.3	3,653.4	433.4	3,661.4	0.00	0.00	0.00
14,400.0	90.20	359.67	10,873.9	3,753.4	432.9	3,761.4	0.00	0.00	0.00
14,500.0	90.20	359.67	10,873.6	3,853.4	432.3	3,861.3	0.00	0.00	0.00
14,600.0	90.20	359.67	10,873.2	3,953.4	431.7	3,961.3	0.00	0.00	0.00
14,700.0	90.20	359.67	10,872.9	4,053.4	431.1	4,061.3	0.00	0.00	0.00



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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)
14,800.0	90.20	359.67	10,872.5	4,153.4	430.6	4,161.2	0.00	0.00	0.00
14,900.0	90.20	359.67	10,872.2	4,253.4	430.0	4,261.2	0.00	0.00	0.00
15,000.0	90.20	359.67	10,871.8	4,353.4	429.4	4,361.2	0.00	0.00	0.00
15,100.0	90.20	359.67	10,871.5	4,453.4	428.8	4,461.1	0.00	0.00	0.00
15,200.0	90.20	359.67	10,871.1	4,553.4	428.3	4,561.1	0.00	0.00	0.00
15,300.0	90.20	359.67	10,870.8	4,653.4	427.7	4,661.1	0.00	0.00	0.00
15,400.0	90.20	359.67	10,870.4	4,753.4	427.1	4,761.0	0.00	0.00	0.00
15,500.0	90.20	359.67	10,870.1	4,853.4	426.6	4,861.0	0.00	0.00	0.00
15,600.0	90.20	359.67	10,869.7	4,953.3	426.0	4,961.0	0.00	0.00	0.00
15,700.0	90.20	359.67	10,869.4	5,053.3	425.4	5,060.9	0.00	0.00	0.00
15,800.0	90.20	359.67	10,869.0	5,153.3	424.8	5,160.9	0.00	0.00	0.00
15,900.0	90.20	359.67	10,868.7	5,253.3	424.3	5,260.9	0.00	0.00	0.00
15,946.7	90.20	359.67	10,868.5	5,300.0	424.0	5,307.5	0.00	0.00	0.00

PBHL(Fraz 34 State #501H)

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
PBHL(Fraz 34 State #501) - plan hits target center - Point	0.00	0.00	10,868.5	5,300.0	424.0	435,573.00	741,576.00	32° 11' 42.345 N	103° 33' 8.622 W
FTP(Fraz 34 State #501) - plan hits target center - Point	0.00	0.00	10,885.0	584.0	451.0	430,857.00	741,603.00	32° 10' 55.676 N	103° 33' 8.706 W