

District I
1625 N French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 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., Sante Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3460

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

FORM C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

JAN 28 2015

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025 - 42358		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 #503H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.		⁹ Elevation 3496'

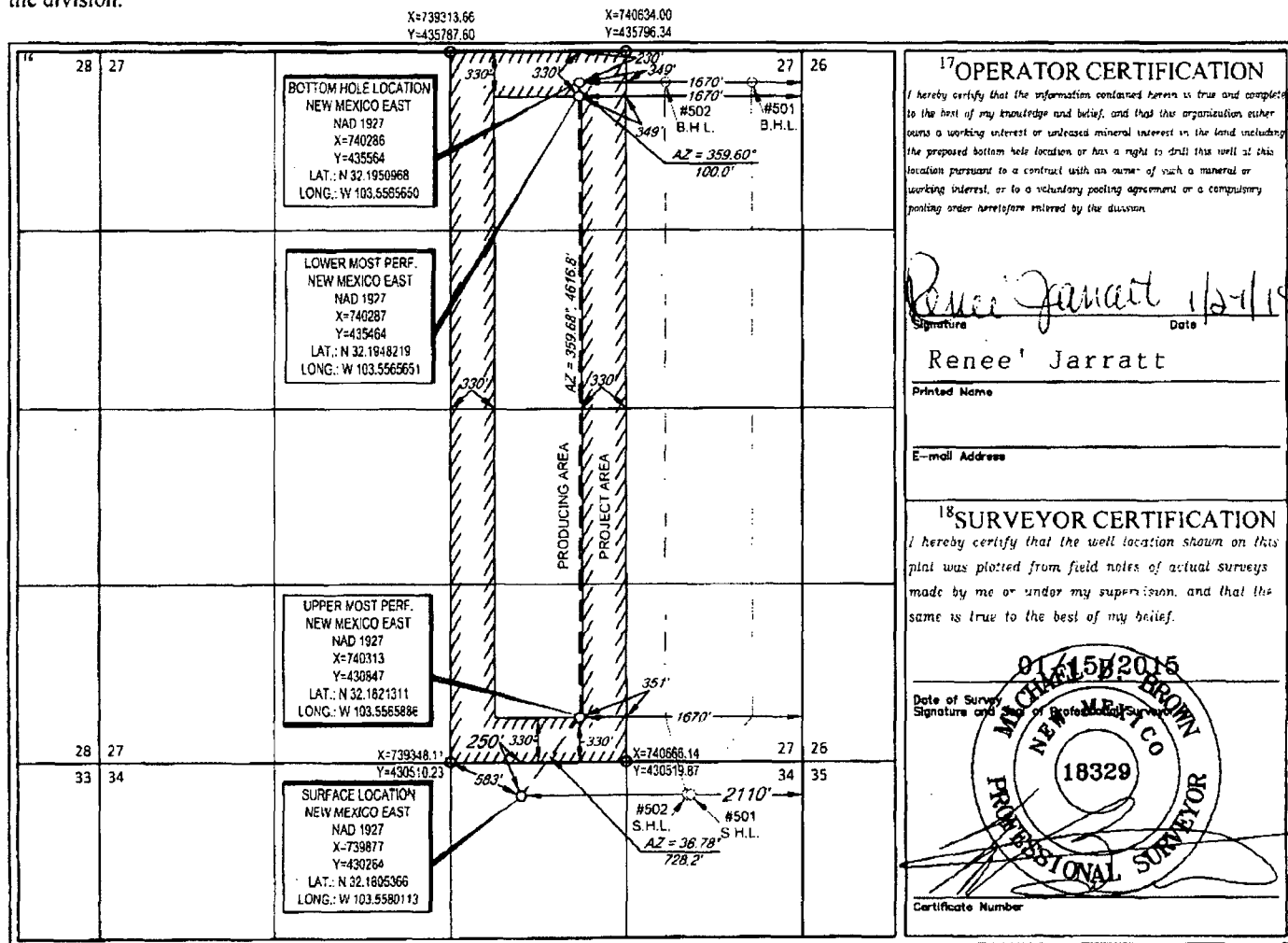
¹⁰Surface Location

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	34	24-S	33-E	-	250'	NORTH	2110'	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
B	27	24-S	33-E	-	230'	NORTH	1670'	EAST	LEA

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



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JAN 29 2015

30-025-42388

Permit Information:

Well Name: Frazier 34 State Com No. 503H

Location:

SL: 250' FNL & 2110' FEL, Section 34, T-24-S, R-33-E, Lea Co., N.M.

BHL: 230' FNL & 1670' 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'-15,941'	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
15,941'	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' - 10,323'	Cut Brine	8.4-9.0	28-34	N/c
10,323' - 15,941' Lateral	Cut Brine	9.0-9.5	40-42	8-10

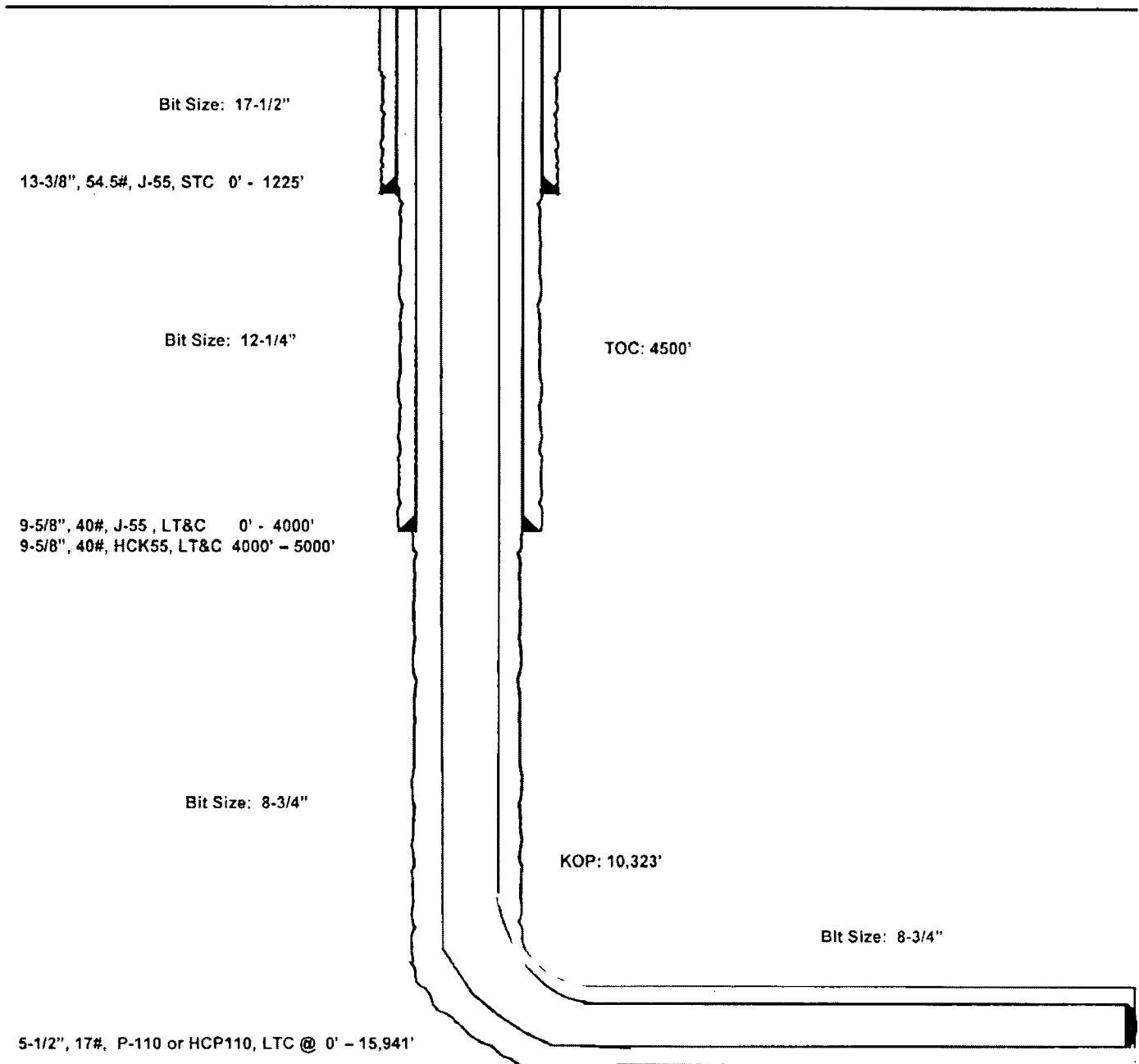
Frazier 34 State Com #503H
Lea County, New Mexico

250' FNL
2110' FEL
Section 34
T-24-S, R-33-E

Proposed Wellbore

API: 30-025-

KB: 3,521'
GL: 3,496'



Lateral: 15,941' MD, 10,863' TVD

BH Location: 230' FNL & 1670' FEL
Section 27
T-24-S, R-33-E



Lea County, NM (NAD 27 NME)

Frazier 34 State Com #503H

H&P260

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 1886
Zone: New Mexico East 3001
System Datum: Mean Sea Level

WELL DETAILS: #503H

Ground Level: 3496.0
KB = 24 @ 3521.0usft (H&P260)
Nothing 490264.00 Easting 739877.00 Lat/Long 32° 10' 49.931 N 103° 33' 28.834 W

Azimuths to Grid North
True North: 0.41°
Magnetic North: 6.77°

Magnetic Field
Strength: 48145.5enT
Dip Angle: 60.09°
Date: 3/15/2018
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction: Add 6.78°
To convert a Magnetic Direction to a True Direction: Add 7.19° East
To convert a True Direction to a Grid Direction: Subtract 0.41°

SECTION DETAILS

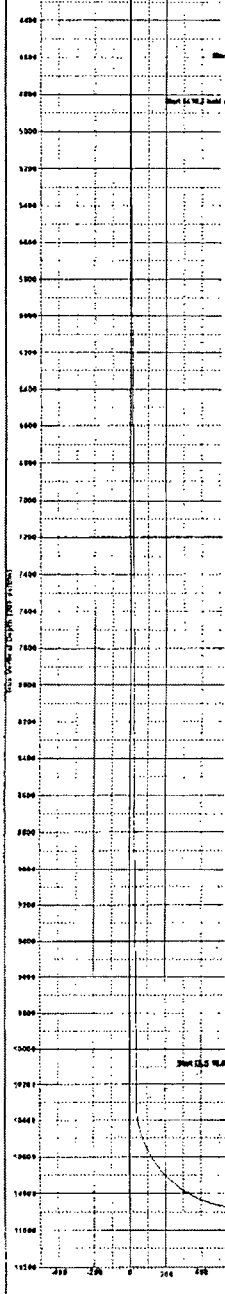
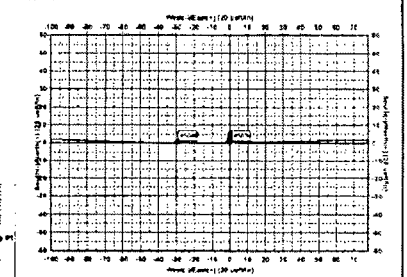
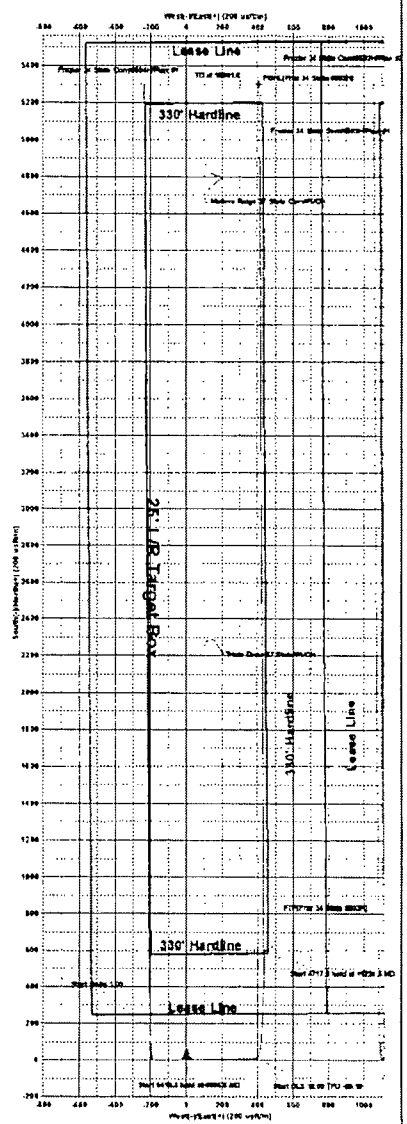
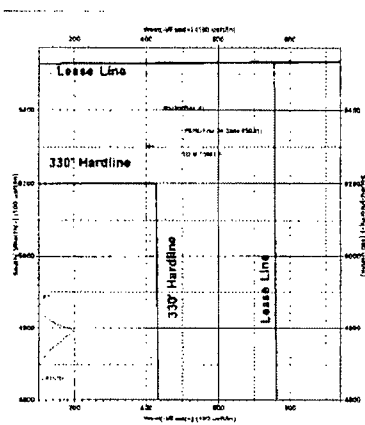
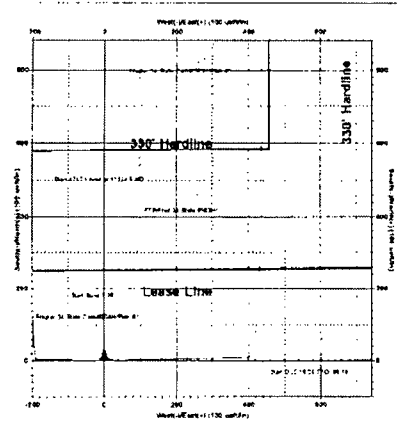
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4500.0	0.00	0.00	4500.0	0.0	0.0	0.00	0.00	0.0	
3	4906.8	4.07	88.88	4906.4	0.3	14.4	1.00	88.88	1.4	
4	10323.0	4.07	88.88	10309.1	7.8	398.6	0.00	0.00	38.5	
5	11224.5	90.20	359.67	10880.0	583.0	436.0	10.00	-89.19	614.8	FTP(Fraz 34 State #503H)
6	15941.6	90.20	359.67	10863.5	5300.0	409.0	0.00	0.00	5315.8	PBHL(Fraz 34 State #503H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Nothing	Excess
PBHL(Fraz 34 State #503H)	10863.5	5300.0	409.0	436084.00	740284.00
FTP(Fraz 34 State #503H)	10880.0	583.0	436.0	436084.00	740311.00





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Frazier 34 State Com

#503H

OH

Plan: Plan #1

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 Com
Well: #503H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #503H
TVD Reference: KB = 24 @ 3521.0usft (H&P260)
MD Reference: KB = 24 @ 3521.0usft (H&P260)
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	Latitude: 32° 10' 49.929 N
From: Map		Easting:	741,152.00 usft	Longitude: 103° 33' 14.003 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.42 "

Well	#503H			
Well Position	+N/-S	-9.0 usft	Northing:	430,264.00 usft
	+E/-W	-1,275.0 usft	Easting:	739,877.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level: 3,496.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	3/15/2015	7.19	60.05	48,146

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	4.41

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	
4,906.8	4.07	88.88	4,906.4	0.3	14.4	1.00	1.00	0.00	88.88	
10,323.0	4.07	88.88	10,309.1	7.8	398.6	0.00	0.00	0.00	0.00	
11,224.5	90.20	359.67	10,680.0	583.0	436.0	10.00	9.56	-9.90	-89.19	FTP(Fraz 34 State #5
15,941.6	90.20	359.67	10,863.5	5,300.0	409.0	0.00	0.00	0.00	0.00	PBHL(Fraz 34 State #



EOG Resources, Inc.

Planning Report

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Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Frazier 34 State Com
Well: #503H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #503H
TVD Reference: KB = 24 @ 3521.0usft (H&P260)
MD Reference: KB = 24 @ 3521.0usft (H&P260)
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	88.88	4,600.0	0.0	0.9	0.1	1.00	1.00	0.00
4,700.0	2.00	88.88	4,700.0	0.1	3.5	0.3	1.00	1.00	0.00
4,800.0	3.00	88.88	4,799.9	0.2	7.9	0.8	1.00	1.00	0.00
4,906.8	4.07	88.88	4,906.4	0.3	14.4	1.4	1.00	1.00	0.00
5,000.0	4.07	88.88	4,999.4	0.4	21.0	2.0	0.00	0.00	0.00
5,100.0	4.07	88.88	5,099.2	0.6	28.1	2.7	0.00	0.00	0.00
5,200.0	4.07	88.88	5,198.9	0.7	35.2	3.4	0.00	0.00	0.00
5,300.0	4.07	88.88	5,298.7	0.8	42.3	4.1	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

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Wellbore: OH
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MD Reference: KB = 24 @ 3521.0usft (H&P260)
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)
5,400.0	4.07	88.88	5,398.4	1.0	49.4	4.8	0.00	0.00	0.00
5,500.0	4.07	88.88	5,498.2	1.1	56.5	5.5	0.00	0.00	0.00
5,600.0	4.07	88.88	5,597.9	1.2	63.6	6.1	0.00	0.00	0.00
5,700.0	4.07	88.88	5,697.7	1.4	70.7	6.8	0.00	0.00	0.00
5,800.0	4.07	88.88	5,797.4	1.5	77.8	7.5	0.00	0.00	0.00
5,900.0	4.07	88.88	5,897.2	1.7	84.9	8.2	0.00	0.00	0.00
6,000.0	4.07	88.88	5,996.9	1.8	92.0	8.9	0.00	0.00	0.00
6,100.0	4.07	88.88	6,096.7	1.9	99.1	9.6	0.00	0.00	0.00
6,200.0	4.07	88.88	6,196.4	2.1	106.1	10.2	0.00	0.00	0.00
6,300.0	4.07	88.88	6,296.1	2.2	113.2	10.9	0.00	0.00	0.00
6,400.0	4.07	88.88	6,395.9	2.4	120.3	11.6	0.00	0.00	0.00
6,500.0	4.07	88.88	6,495.6	2.5	127.4	12.3	0.00	0.00	0.00
6,600.0	4.07	88.88	6,595.4	2.6	134.5	13.0	0.00	0.00	0.00
6,700.0	4.07	88.88	6,695.1	2.8	141.6	13.7	0.00	0.00	0.00
6,800.0	4.07	88.88	6,794.9	2.9	148.7	14.3	0.00	0.00	0.00
6,900.0	4.07	88.88	6,894.6	3.1	155.8	15.0	0.00	0.00	0.00
7,000.0	4.07	88.88	6,994.4	3.2	162.9	15.7	0.00	0.00	0.00
7,100.0	4.07	88.88	7,094.1	3.3	170.0	16.4	0.00	0.00	0.00
7,200.0	4.07	88.88	7,193.9	3.5	177.1	17.1	0.00	0.00	0.00
7,300.0	4.07	88.88	7,293.6	3.6	184.2	17.8	0.00	0.00	0.00
7,400.0	4.07	88.88	7,393.4	3.8	191.2	18.5	0.00	0.00	0.00
7,500.0	4.07	88.88	7,493.1	3.9	198.3	19.1	0.00	0.00	0.00
7,600.0	4.07	88.88	7,592.9	4.0	205.4	19.8	0.00	0.00	0.00
7,700.0	4.07	88.88	7,692.6	4.2	212.5	20.5	0.00	0.00	0.00
7,800.0	4.07	88.88	7,792.4	4.3	219.6	21.2	0.00	0.00	0.00
7,900.0	4.07	88.88	7,892.1	4.4	226.7	21.9	0.00	0.00	0.00
8,000.0	4.07	88.88	7,991.9	4.6	233.8	22.6	0.00	0.00	0.00
8,100.0	4.07	88.88	8,091.6	4.7	240.9	23.2	0.00	0.00	0.00
8,200.0	4.07	88.88	8,191.4	4.9	248.0	23.9	0.00	0.00	0.00
8,300.0	4.07	88.88	8,291.1	5.0	255.1	24.6	0.00	0.00	0.00
8,400.0	4.07	88.88	8,390.9	5.1	262.2	25.3	0.00	0.00	0.00
8,500.0	4.07	88.88	8,490.6	5.3	269.3	26.0	0.00	0.00	0.00
8,600.0	4.07	88.88	8,590.4	5.4	276.4	26.7	0.00	0.00	0.00
8,700.0	4.07	88.88	8,690.1	5.6	283.4	27.4	0.00	0.00	0.00
8,800.0	4.07	88.88	8,789.9	5.7	290.5	28.0	0.00	0.00	0.00
8,900.0	4.07	88.88	8,889.6	5.8	297.6	28.7	0.00	0.00	0.00
9,000.0	4.07	88.88	8,989.3	6.0	304.7	29.4	0.00	0.00	0.00
9,100.0	4.07	88.88	9,089.1	6.1	311.8	30.1	0.00	0.00	0.00
9,200.0	4.07	88.88	9,188.8	6.3	318.9	30.8	0.00	0.00	0.00
9,300.0	4.07	88.88	9,288.6	6.4	326.0	31.5	0.00	0.00	0.00
9,400.0	4.07	88.88	9,388.3	6.5	333.1	32.1	0.00	0.00	0.00
9,500.0	4.07	88.88	9,488.1	6.7	340.2	32.8	0.00	0.00	0.00
9,600.0	4.07	88.88	9,587.8	6.8	347.3	33.5	0.00	0.00	0.00
9,700.0	4.07	88.88	9,687.6	7.0	354.4	34.2	0.00	0.00	0.00
9,800.0	4.07	88.88	9,787.3	7.1	361.5	34.9	0.00	0.00	0.00
9,900.0	4.07	88.88	9,887.1	7.2	368.5	35.6	0.00	0.00	0.00
10,000.0	4.07	88.88	9,986.8	7.4	375.6	36.3	0.00	0.00	0.00
10,100.0	4.07	88.88	10,086.6	7.5	382.7	36.9	0.00	0.00	0.00
10,200.0	4.07	88.88	10,186.3	7.6	389.8	37.6	0.00	0.00	0.00
10,300.0	4.07	88.88	10,286.1	7.8	396.9	38.3	0.00	0.00	0.00
10,323.0	4.07	88.88	10,309.1	7.8	398.6	38.5	0.00	0.00	0.00
10,350.0	4.91	55.55	10,335.9	8.5	400.5	39.3	10.00	3.13	-123.64
10,400.0	8.75	27.20	10,385.6	13.1	404.0	44.1	10.00	7.68	-56.70
10,450.0	13.38	17.09	10,434.6	22.0	407.4	53.3	10.00	9.25	-20.24



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: #503H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #503H
TVD Reference: KB = 24 @ 3521.0usft (H&P260)
MD Reference: KB = 24 @ 3521.0usft (H&P260)
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)
10,500.0	18.20	12.18	10,482.7	35.2	410.8	66.7	10.00	9.65	-9.82
10,550.0	23.09	9.29	10,529.5	52.5	414.0	84.2	10.00	9.79	-5.79
10,600.0	28.03	7.36	10,574.6	73.8	417.1	105.7	10.00	9.86	-3.84
10,650.0	32.98	5.98	10,617.7	99.0	420.0	131.1	10.00	9.90	-2.77
10,700.0	37.94	4.92	10,658.4	127.9	422.7	160.0	10.00	9.92	-2.12
10,750.0	42.91	4.07	10,696.5	160.2	425.3	192.5	10.00	9.94	-1.69
10,800.0	47.88	3.37	10,731.6	195.7	427.6	228.0	10.00	9.95	-1.40
10,850.0	52.86	2.77	10,763.4	234.2	429.6	266.5	10.00	9.96	-1.20
10,900.0	57.84	2.25	10,791.8	275.2	431.4	307.6	10.00	9.96	-1.05
10,950.0	62.83	1.78	10,816.6	318.7	432.9	351.0	10.00	9.97	-0.94
11,000.0	67.81	1.35	10,837.5	364.1	434.2	396.4	10.00	9.97	-0.86
11,050.0	72.80	0.95	10,854.3	411.1	435.1	443.4	10.00	9.97	-0.80
11,100.0	77.78	0.57	10,867.0	459.4	435.8	491.6	10.00	9.97	-0.76
11,150.0	82.77	0.20	10,875.4	508.7	436.1	540.8	10.00	9.97	-0.73
11,200.0	87.76	359.85	10,879.6	558.5	436.1	590.4	10.00	9.97	-0.71
11,224.5	90.20	359.67	10,880.0	583.0	436.0	614.8	10.00	9.97	-0.71
FTP(Fraz 34 State #503H)									
11,300.0	90.20	359.67	10,879.7	658.5	435.6	690.1	0.00	0.00	0.00
11,400.0	90.20	359.67	10,879.4	758.5	435.0	789.7	0.00	0.00	0.00
11,500.0	90.20	359.67	10,879.0	858.5	434.4	889.4	0.00	0.00	0.00
11,600.0	90.20	359.67	10,878.7	958.5	433.9	989.0	0.00	0.00	0.00
11,700.0	90.20	359.67	10,878.3	1,058.5	433.3	1,088.7	0.00	0.00	0.00
11,800.0	90.20	359.67	10,878.0	1,158.5	432.7	1,188.4	0.00	0.00	0.00
11,900.0	90.20	359.67	10,877.6	1,258.5	432.1	1,288.0	0.00	0.00	0.00
12,000.0	90.20	359.67	10,877.3	1,358.5	431.6	1,387.7	0.00	0.00	0.00
12,100.0	90.20	359.67	10,876.9	1,458.5	431.0	1,487.3	0.00	0.00	0.00
12,200.0	90.20	359.67	10,876.6	1,558.5	430.4	1,587.0	0.00	0.00	0.00
12,300.0	90.20	359.67	10,876.2	1,658.5	429.8	1,686.7	0.00	0.00	0.00
12,400.0	90.20	359.67	10,875.9	1,758.5	429.3	1,786.3	0.00	0.00	0.00
12,500.0	90.20	359.67	10,875.5	1,858.5	428.7	1,886.0	0.00	0.00	0.00
12,600.0	90.20	359.67	10,875.2	1,958.5	428.1	1,985.6	0.00	0.00	0.00
12,700.0	90.20	359.67	10,874.8	2,058.5	427.6	2,085.3	0.00	0.00	0.00
12,800.0	90.20	359.67	10,874.5	2,158.5	427.0	2,184.9	0.00	0.00	0.00
12,900.0	90.20	359.67	10,874.1	2,258.5	426.4	2,284.6	0.00	0.00	0.00
13,000.0	90.20	359.67	10,873.8	2,358.5	425.8	2,384.3	0.00	0.00	0.00
13,100.0	90.20	359.67	10,873.4	2,458.5	425.3	2,483.9	0.00	0.00	0.00
13,200.0	90.20	359.67	10,873.1	2,558.5	424.7	2,583.6	0.00	0.00	0.00
13,300.0	90.20	359.67	10,872.7	2,658.5	424.1	2,683.2	0.00	0.00	0.00
13,400.0	90.20	359.67	10,872.4	2,758.5	423.5	2,782.9	0.00	0.00	0.00
13,500.0	90.20	359.67	10,872.0	2,858.5	423.0	2,882.5	0.00	0.00	0.00
13,600.0	90.20	359.67	10,871.7	2,958.5	422.4	2,982.2	0.00	0.00	0.00
13,700.0	90.20	359.67	10,871.3	3,058.5	421.8	3,081.9	0.00	0.00	0.00
13,800.0	90.20	359.67	10,871.0	3,158.5	421.3	3,181.5	0.00	0.00	0.00
13,900.0	90.20	359.67	10,870.6	3,258.5	420.7	3,281.2	0.00	0.00	0.00
14,000.0	90.20	359.67	10,870.3	3,358.5	420.1	3,380.8	0.00	0.00	0.00
14,100.0	90.20	359.67	10,869.9	3,458.5	419.5	3,480.5	0.00	0.00	0.00
14,200.0	90.20	359.67	10,869.6	3,558.5	419.0	3,580.1	0.00	0.00	0.00
14,300.0	90.20	359.67	10,869.2	3,658.4	418.4	3,679.8	0.00	0.00	0.00
14,400.0	90.20	359.67	10,868.9	3,758.4	417.8	3,779.5	0.00	0.00	0.00
14,500.0	90.20	359.67	10,868.5	3,858.4	417.3	3,879.1	0.00	0.00	0.00
14,600.0	90.20	359.67	10,868.2	3,958.4	416.7	3,978.8	0.00	0.00	0.00
14,700.0	90.20	359.67	10,867.8	4,058.4	416.1	4,078.4	0.00	0.00	0.00
14,800.0	90.20	359.67	10,867.5	4,158.4	415.5	4,178.1	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)
14,900.0	90.20	359.67	10,867.1	4,258.4	415.0	4,277.7	0.00	0.00	0.00
15,000.0	90.20	359.67	10,868.8	4,358.4	414.4	4,377.4	0.00	0.00	0.00
15,100.0	90.20	359.67	10,866.4	4,458.4	413.8	4,477.1	0.00	0.00	0.00
15,200.0	90.20	359.67	10,866.1	4,558.4	413.2	4,576.7	0.00	0.00	0.00
15,300.0	90.20	359.67	10,865.7	4,658.4	412.7	4,676.4	0.00	0.00	0.00
15,400.0	90.20	359.67	10,865.4	4,758.4	412.1	4,776.0	0.00	0.00	0.00
15,500.0	90.20	359.67	10,865.0	4,858.4	411.5	4,875.7	0.00	0.00	0.00
15,600.0	90.20	359.67	10,864.7	4,958.4	411.0	4,975.3	0.00	0.00	0.00
15,700.0	90.20	359.67	10,864.3	5,058.4	410.4	5,075.0	0.00	0.00	0.00
15,800.0	90.20	359.67	10,864.0	5,158.4	409.8	5,174.7	0.00	0.00	0.00
15,900.0	90.20	359.67	10,863.6	5,258.4	409.2	5,274.3	0.00	0.00	0.00
15,941.6	90.20	359.67	10,863.5	5,300.0	409.0	5,315.8	0.00	0.00	0.00

PBHL(Fraz 34 State #503H)

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 #503H) - plan hits target center - Point	0.00	0.00	10,863.5	5,300.0	409.0	435,564.00	740,286.00	32° 11' 42.348 N	103° 33' 23.634 W
FTP(Fraz 34 State #503H) - plan hits target center - Point	0.00	0.00	10,880.0	583.0	436.0	430,847.00	740,313.00	32° 10' 55.669 N	103° 33' 23.716 W