

Revised Permit Information 2/25/15:

MAR 12 2015

Well Name: Frazier 34 State Com No. 503H

RECEIVED

Location:

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

BHL: 230' FNL & 1260' 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'-16,245'	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
16,245'	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' - 10,602'	Cut Brine	8.4-9.0	28-34	N/c
10,602' - 16,245' Lateral	Cut Brine	9.0-9.5	40-42	8-10

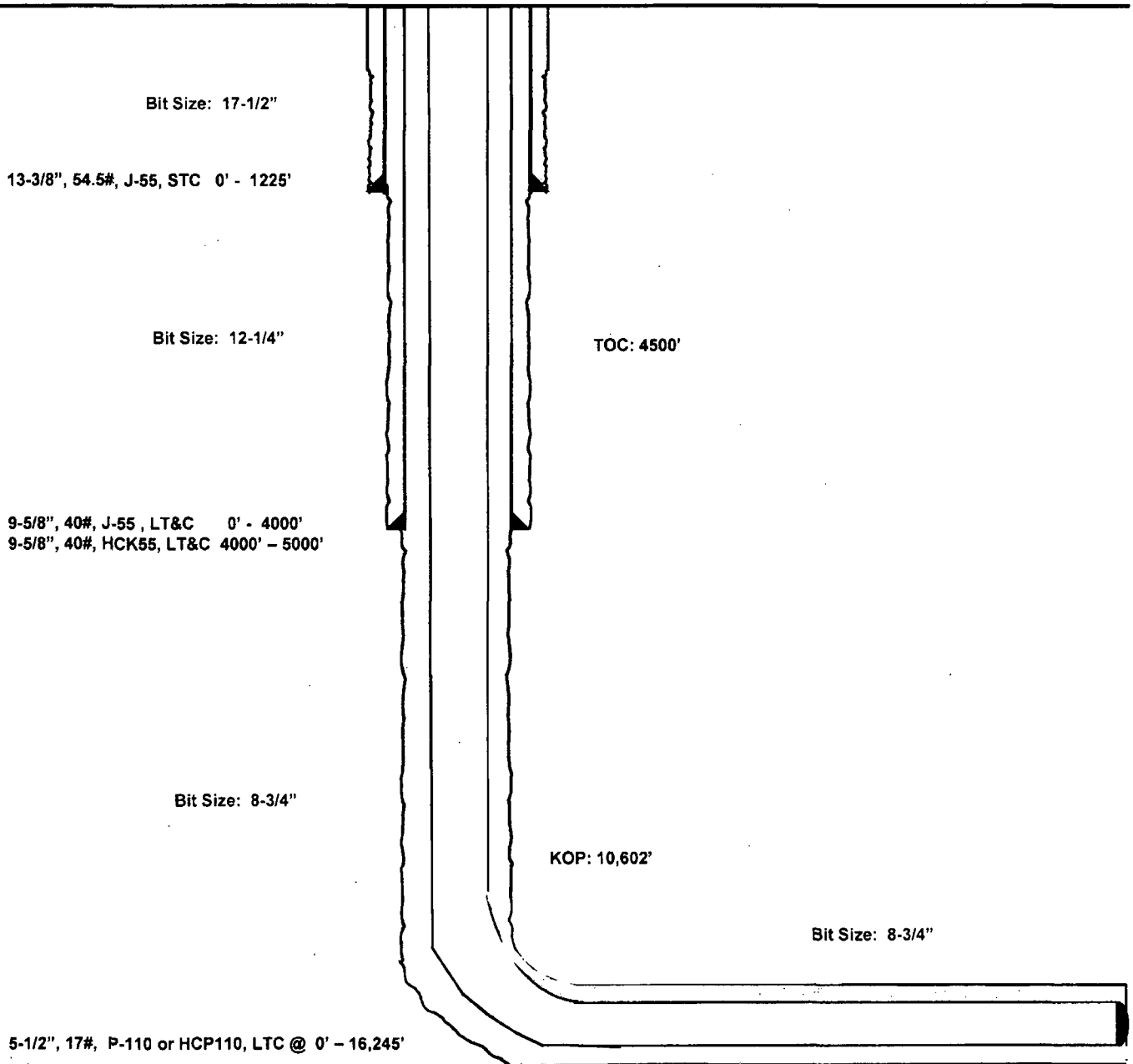
MAR 12 2015

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

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

Proposed Wellbore
Revised 2/25/15
API: 30-025-42388

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



Lateral: 16,245' MD, 11,162' TVD

BH Location: 230' FNL & 1260' FEL
Section 27
T-24-S, R-33-E



Lea County, NM (NAD 27 NME)

Frazier 34 State Com #503H

H&P260

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: #503H

Ground Level: 3496.0
KB = 24 @ 3521.0usft (H&P260)
Northing: 430284.00 Easting: 739877.00 Latitude: 32° 10' 45.931" N Longitude: 103° 33' 28.838" W

SECTION DETAILS

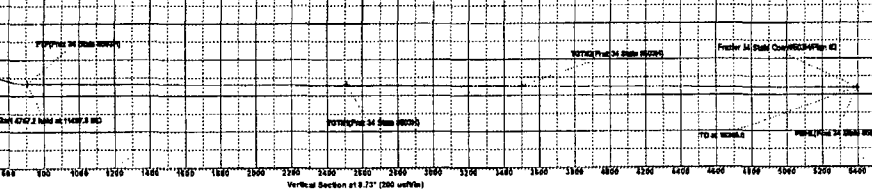
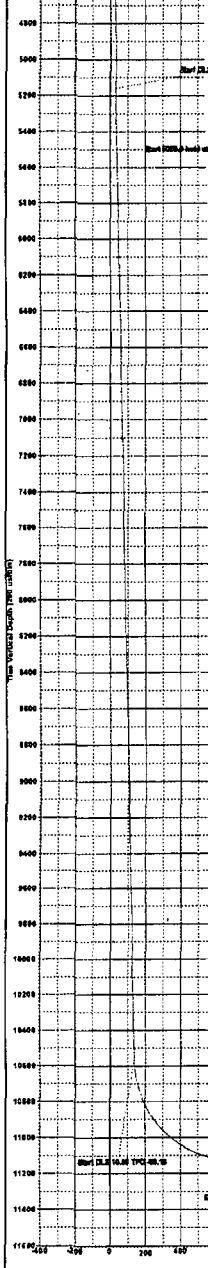
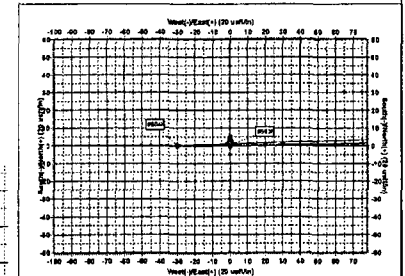
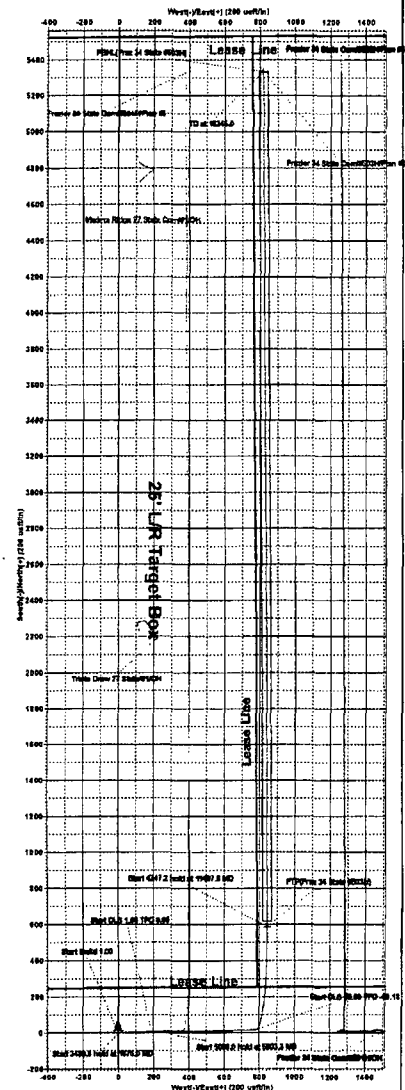
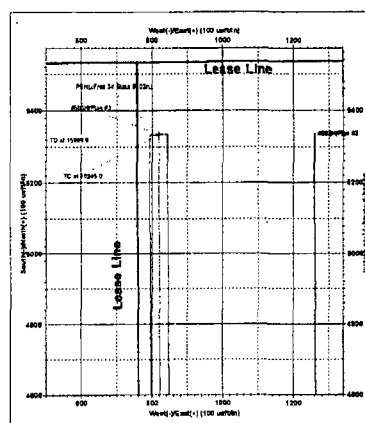
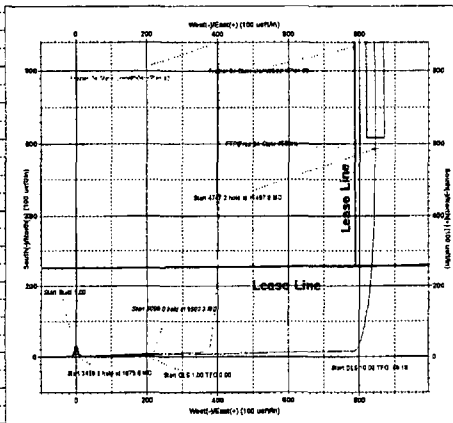
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1375.0	0.00	0.00	1375.0	0.0	0.0	0.00	0.00	0.0	
3	1675.0	3.00	88.82	1674.9	0.2	7.9	1.00	88.82	1.4	
4	5164.9	3.00	88.82	5160.0	3.9	190.5	0.00	0.00	32.8	
5	5503.3	6.38	88.82	5497.2	4.5	218.1	1.00	0.00	37.6	
6	10602.2	6.38	88.82	10584.5	16.2	784.8	0.00	0.00	135.1	
7	11497.8	69.65	359.69	11133.0	586.0	845.0	10.00	-89.18	707.5	FTP(Fraz 34 State #503H)
8	16245.0	69.65	359.69	11162.0	5333.0	819.0	0.00	0.00	5395.5	PBHL(Fraz 34 State #503H)

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 #503H)	11133.0	586.0	845.0	430284.00	740722.00
PBHL(Fraz 34 State #503H)	11162.0	5333.0	819.0	430587.00	740699.00





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Frazier 34 State Com

#503H

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: #503H
Wellbore: OH
Design: Plan #3

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' 48.929 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	Latitude: 32° 10' 49.931 N
	+E/-W	-1,275.0 usft	Easting: 739,877.00 usft	Longitude: 103° 33' 28.838 W
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
	IGRF2015	3/15/2015	(°) 7.19	(°) 60.05	(nT) 48,146

Design	Plan #3			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	8.73

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	
1,375.0	0.00	0.00	1,375.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,675.0	3.00	88.82	1,674.9	0.2	7.9	1.00	1.00	0.00	88.82	
5,164.9	3.00	88.82	5,160.0	3.9	190.5	0.00	0.00	0.00	0.00	
5,503.3	6.38	88.82	5,497.2	4.5	218.1	1.00	1.00	0.00	0.00	
10,602.2	6.38	88.82	10,564.5	16.2	784.9	0.00	0.00	0.00	0.00	
11,497.8	89.65	359.69	11,133.0	586.0	845.0	10.00	9.30	-9.95	-89.18	FTP(Fraz 34 State #5
16,245.0	89.65	359.69	11,162.0	5,333.0	819.0	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: #503H
 Wellbore: OH
 Design: Plan #3

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
1,375.0	0.00	0.00	1,375.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.25	88.82	1,400.0	0.0	0.1	0.0	1.00	1.00	0.00
1,500.0	1.25	88.82	1,500.0	0.0	1.4	0.2	1.00	1.00	0.00
1,600.0	2.25	88.82	1,599.9	0.1	4.4	0.8	1.00	1.00	0.00
1,675.0	3.00	88.82	1,674.9	0.2	7.9	1.4	1.00	1.00	0.00
1,700.0	3.00	88.82	1,699.8	0.2	9.2	1.6	0.00	0.00	0.00
1,800.0	3.00	88.82	1,799.7	0.3	14.4	2.5	0.00	0.00	0.00
1,900.0	3.00	88.82	1,899.6	0.4	19.6	3.4	0.00	0.00	0.00
2,000.0	3.00	88.82	1,999.4	0.5	24.9	4.3	0.00	0.00	0.00
2,100.0	3.00	88.82	2,099.3	0.6	30.1	5.2	0.00	0.00	0.00
2,200.0	3.00	88.82	2,199.1	0.7	35.3	6.1	0.00	0.00	0.00
2,300.0	3.00	88.82	2,299.0	0.8	40.6	7.0	0.00	0.00	0.00
2,400.0	3.00	88.82	2,398.9	0.9	45.8	7.9	0.00	0.00	0.00
2,500.0	3.00	88.82	2,498.7	1.1	51.0	8.8	0.00	0.00	0.00
2,600.0	3.00	88.82	2,598.6	1.2	56.3	9.7	0.00	0.00	0.00
2,700.0	3.00	88.82	2,698.5	1.3	61.5	10.6	0.00	0.00	0.00
2,800.0	3.00	88.82	2,798.3	1.4	66.7	11.5	0.00	0.00	0.00
2,900.0	3.00	88.82	2,898.2	1.5	71.9	12.4	0.00	0.00	0.00
3,000.0	3.00	88.82	2,998.0	1.6	77.2	13.3	0.00	0.00	0.00
3,100.0	3.00	88.82	3,097.9	1.7	82.4	14.2	0.00	0.00	0.00
3,200.0	3.00	88.82	3,197.8	1.8	87.6	15.1	0.00	0.00	0.00
3,300.0	3.00	88.82	3,297.6	1.9	92.9	16.0	0.00	0.00	0.00
3,400.0	3.00	88.82	3,397.5	2.0	98.1	16.9	0.00	0.00	0.00
3,500.0	3.00	88.82	3,497.4	2.1	103.3	17.8	0.00	0.00	0.00
3,600.0	3.00	88.82	3,597.2	2.2	108.6	18.7	0.00	0.00	0.00
3,700.0	3.00	88.82	3,697.1	2.3	113.8	19.6	0.00	0.00	0.00
3,800.0	3.00	88.82	3,797.0	2.5	119.0	20.5	0.00	0.00	0.00
3,900.0	3.00	88.82	3,896.8	2.6	124.3	21.4	0.00	0.00	0.00
4,000.0	3.00	88.82	3,996.7	2.7	129.5	22.3	0.00	0.00	0.00
4,100.0	3.00	88.82	4,096.5	2.8	134.7	23.2	0.00	0.00	0.00
4,200.0	3.00	88.82	4,196.4	2.9	140.0	24.1	0.00	0.00	0.00
4,300.0	3.00	88.82	4,296.3	3.0	145.2	25.0	0.00	0.00	0.00
4,400.0	3.00	88.82	4,396.1	3.1	150.4	25.9	0.00	0.00	0.00
4,500.0	3.00	88.82	4,496.0	3.2	155.7	26.8	0.00	0.00	0.00
4,600.0	3.00	88.82	4,595.9	3.3	160.9	27.7	0.00	0.00	0.00
4,700.0	3.00	88.82	4,695.7	3.4	166.1	28.6	0.00	0.00	0.00
4,800.0	3.00	88.82	4,795.6	3.5	171.4	29.5	0.00	0.00	0.00
4,900.0	3.00	88.82	4,895.4	3.6	176.6	30.4	0.00	0.00	0.00
5,000.0	3.00	88.82	4,995.3	3.7	181.8	31.3	0.00	0.00	0.00
5,100.0	3.00	88.82	5,095.2	3.9	187.1	32.2	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

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 Wellbore: OH
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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)
5,164.9	3.00	88.82	5,160.0	3.9	190.5	32.8	0.00	0.00	0.00
5,200.0	3.35	88.82	5,195.0	4.0	192.4	33.1	1.00	1.00	0.00
5,300.0	4.35	88.82	5,294.8	4.1	199.1	34.3	1.00	1.00	0.00
5,400.0	5.35	88.82	5,394.4	4.3	207.6	35.7	1.00	1.00	0.00
5,503.3	6.38	88.82	5,497.2	4.5	218.1	37.6	1.00	1.00	0.00
5,600.0	6.38	88.82	5,593.3	4.7	228.9	39.4	0.00	0.00	0.00
5,700.0	6.38	88.82	5,692.7	4.9	240.0	41.3	0.00	0.00	0.00
5,800.0	6.38	88.82	5,792.1	5.2	251.1	43.2	0.00	0.00	0.00
5,900.0	6.38	88.82	5,891.4	5.4	262.2	45.1	0.00	0.00	0.00
6,000.0	6.38	88.82	5,990.8	5.8	273.3	47.1	0.00	0.00	0.00
6,100.0	6.38	88.82	6,090.2	5.9	284.5	49.0	0.00	0.00	0.00
6,200.0	6.38	88.82	6,189.6	6.1	295.6	50.9	0.00	0.00	0.00
6,300.0	6.38	88.82	6,289.0	6.3	306.7	52.8	0.00	0.00	0.00
6,400.0	6.38	88.82	6,388.3	6.5	317.8	54.7	0.00	0.00	0.00
6,500.0	6.38	88.82	6,487.7	6.8	328.9	56.6	0.00	0.00	0.00
6,600.0	6.38	88.82	6,587.1	7.0	340.0	58.5	0.00	0.00	0.00
6,700.0	6.38	88.82	6,686.5	7.2	351.2	60.5	0.00	0.00	0.00
6,800.0	6.38	88.82	6,785.9	7.5	362.3	62.4	0.00	0.00	0.00
6,900.0	6.38	88.82	6,885.2	7.7	373.4	64.3	0.00	0.00	0.00
7,000.0	6.38	88.82	6,984.6	7.9	384.5	66.2	0.00	0.00	0.00
7,100.0	6.38	88.82	7,084.0	8.2	395.6	68.1	0.00	0.00	0.00
7,200.0	6.38	88.82	7,183.4	8.4	406.7	70.0	0.00	0.00	0.00
7,300.0	6.38	88.82	7,282.8	8.6	417.8	71.9	0.00	0.00	0.00
7,400.0	6.38	88.82	7,382.1	8.8	429.0	73.9	0.00	0.00	0.00
7,500.0	6.38	88.82	7,481.5	9.1	440.1	75.8	0.00	0.00	0.00
7,600.0	6.38	88.82	7,580.9	9.3	451.2	77.7	0.00	0.00	0.00
7,700.0	6.38	88.82	7,680.3	9.5	462.3	79.6	0.00	0.00	0.00
7,800.0	6.38	88.82	7,779.7	9.8	473.4	81.5	0.00	0.00	0.00
7,900.0	6.38	88.82	7,879.0	10.0	484.5	83.4	0.00	0.00	0.00
8,000.0	6.38	88.82	7,978.4	10.2	495.7	85.3	0.00	0.00	0.00
8,100.0	6.38	88.82	8,077.8	10.4	506.8	87.3	0.00	0.00	0.00
8,200.0	6.38	88.82	8,177.2	10.7	517.9	89.2	0.00	0.00	0.00
8,300.0	6.38	88.82	8,276.6	10.9	529.0	91.1	0.00	0.00	0.00
8,400.0	6.38	88.82	8,375.9	11.1	540.1	93.0	0.00	0.00	0.00
8,500.0	6.38	88.82	8,475.3	11.4	551.2	94.9	0.00	0.00	0.00
8,600.0	6.38	88.82	8,574.7	11.6	562.4	96.8	0.00	0.00	0.00
8,700.0	6.38	88.82	8,674.1	11.8	573.5	98.7	0.00	0.00	0.00
8,800.0	6.38	88.82	8,773.5	12.1	584.6	100.6	0.00	0.00	0.00
8,900.0	6.38	88.82	8,872.8	12.3	595.7	102.6	0.00	0.00	0.00
9,000.0	6.38	88.82	8,972.2	12.5	606.8	104.5	0.00	0.00	0.00
9,100.0	6.38	88.82	9,071.6	12.7	617.9	106.4	0.00	0.00	0.00
9,200.0	6.38	88.82	9,171.0	13.0	629.0	108.3	0.00	0.00	0.00
9,300.0	6.38	88.82	9,270.4	13.2	640.2	110.2	0.00	0.00	0.00
9,400.0	6.38	88.82	9,369.7	13.4	651.3	112.1	0.00	0.00	0.00
9,500.0	6.38	88.82	9,469.1	13.7	662.4	114.0	0.00	0.00	0.00
9,600.0	6.38	88.82	9,568.5	13.9	673.5	116.0	0.00	0.00	0.00
9,700.0	6.38	88.82	9,667.9	14.1	684.6	117.9	0.00	0.00	0.00
9,800.0	6.38	88.82	9,767.3	14.3	695.7	119.8	0.00	0.00	0.00
9,900.0	6.38	88.82	9,866.6	14.6	706.9	121.7	0.00	0.00	0.00
10,000.0	6.38	88.82	9,966.0	14.8	718.0	123.6	0.00	0.00	0.00
10,100.0	6.38	88.82	10,065.4	15.0	729.1	125.5	0.00	0.00	0.00
10,200.0	6.38	88.82	10,164.8	15.3	740.2	127.4	0.00	0.00	0.00
10,300.0	6.38	88.82	10,264.2	15.5	751.3	129.4	0.00	0.00	0.00
10,400.0	6.38	88.82	10,363.5	15.7	762.4	131.3	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: Frazier 34 State Com
Well: #503H
Wellbore: OH
Design: Plan #3

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	6.38	88.82	10,462.9	15.9	773.6	133.2	0.00	0.00	0.00
10,602.2	6.38	88.82	10,564.5	16.2	784.9	135.1	0.00	0.00	0.00
10,650.0	8.02	52.19	10,611.9	18.3	790.2	138.0	10.00	3.43	-76.69
10,700.0	11.74	32.23	10,661.2	24.7	795.7	145.2	10.00	7.43	-39.92
10,750.0	16.15	22.37	10,709.7	35.5	801.0	156.6	10.00	8.83	-19.72
10,800.0	20.83	16.75	10,757.1	50.4	806.3	172.2	10.00	9.35	-11.24
10,850.0	25.62	13.13	10,803.1	69.5	811.3	191.8	10.00	9.59	-7.22
10,900.0	30.48	10.60	10,847.2	92.5	816.1	215.3	10.00	9.71	-5.06
10,950.0	35.38	8.71	10,889.1	119.3	820.6	242.4	10.00	9.79	-3.78
11,000.0	40.29	7.23	10,928.6	149.6	824.8	273.1	10.00	9.83	-2.97
11,050.0	45.22	6.02	10,965.3	183.3	828.7	307.0	10.00	9.86	-2.42
11,100.0	50.17	5.00	10,999.0	220.1	832.3	343.9	10.00	9.89	-2.04
11,150.0	55.12	4.12	11,029.3	259.7	835.4	383.5	10.00	9.90	-1.76
11,200.0	60.07	3.34	11,056.1	301.9	838.1	425.6	10.00	9.91	-1.56
11,250.0	65.04	2.63	11,079.1	346.2	840.4	469.7	10.00	9.92	-1.41
11,300.0	70.00	1.98	11,098.2	392.3	842.3	515.6	10.00	9.93	-1.30
11,350.0	74.96	1.37	11,113.3	439.9	843.7	562.9	10.00	9.93	-1.22
11,400.0	79.93	0.79	11,124.1	488.7	844.6	611.3	10.00	9.93	-1.17
11,450.0	84.90	0.22	11,130.7	538.3	845.0	660.3	10.00	9.94	-1.13
11,497.8	89.65	359.69	11,133.0	586.0	845.0	707.5	10.00	9.94	-1.11
FTP(Fraz 34 State #503H)									
11,500.0	89.65	359.69	11,133.0	588.2	845.0	709.7	0.00	0.00	0.00
11,600.0	89.65	359.69	11,133.6	688.2	844.4	808.4	0.00	0.00	0.00
11,700.0	89.65	359.69	11,134.2	788.2	843.9	907.2	0.00	0.00	0.00
11,800.0	89.65	359.69	11,134.8	888.2	843.3	1,005.9	0.00	0.00	0.00
11,900.0	89.65	359.69	11,135.5	988.2	842.8	1,104.7	0.00	0.00	0.00
12,000.0	89.65	359.69	11,136.1	1,088.2	842.2	1,203.4	0.00	0.00	0.00
12,100.0	89.65	359.69	11,136.7	1,188.2	841.7	1,302.2	0.00	0.00	0.00
12,200.0	89.65	359.69	11,137.3	1,288.2	841.2	1,400.9	0.00	0.00	0.00
12,300.0	89.65	359.69	11,137.9	1,388.2	840.6	1,499.7	0.00	0.00	0.00
12,400.0	89.65	359.69	11,138.5	1,488.2	840.1	1,598.4	0.00	0.00	0.00
12,500.0	89.65	359.69	11,139.1	1,588.2	839.5	1,697.2	0.00	0.00	0.00
12,600.0	89.65	359.69	11,139.7	1,688.2	839.0	1,796.0	0.00	0.00	0.00
12,700.0	89.65	359.69	11,140.3	1,788.2	838.4	1,894.7	0.00	0.00	0.00
12,800.0	89.65	359.69	11,141.0	1,888.2	837.9	1,993.5	0.00	0.00	0.00
12,900.0	89.65	359.69	11,141.6	1,988.2	837.3	2,092.2	0.00	0.00	0.00
13,000.0	89.65	359.69	11,142.2	2,088.2	836.8	2,191.0	0.00	0.00	0.00
13,100.0	89.65	359.69	11,142.8	2,188.2	836.2	2,289.7	0.00	0.00	0.00
13,200.0	89.65	359.69	11,143.4	2,288.2	835.7	2,388.5	0.00	0.00	0.00
13,300.0	89.65	359.69	11,144.0	2,388.1	835.1	2,487.2	0.00	0.00	0.00
13,388.7	89.65	359.69	11,144.6	2,478.8	834.6	2,574.8	0.00	0.00	0.00
TGT#1(Fraz 34 State #503H)									
13,400.0	89.65	359.69	11,144.6	2,488.1	834.6	2,586.0	0.00	0.00	0.00
13,500.0	89.65	359.69	11,145.2	2,588.1	834.0	2,684.7	0.00	0.00	0.00
13,600.0	89.65	359.69	11,145.8	2,688.1	833.5	2,783.5	0.00	0.00	0.00
13,700.0	89.65	359.69	11,146.5	2,788.1	832.9	2,882.3	0.00	0.00	0.00
13,800.0	89.65	359.69	11,147.1	2,888.1	832.4	2,981.0	0.00	0.00	0.00
13,900.0	89.65	359.69	11,147.7	2,988.1	831.8	3,079.8	0.00	0.00	0.00
14,000.0	89.65	359.69	11,148.3	3,088.1	831.3	3,178.5	0.00	0.00	0.00
14,100.0	89.65	359.69	11,148.9	3,188.1	830.7	3,277.3	0.00	0.00	0.00
14,200.0	89.65	359.69	11,149.5	3,288.1	830.2	3,376.0	0.00	0.00	0.00
14,300.0	89.65	359.69	11,150.1	3,388.1	829.7	3,474.8	0.00	0.00	0.00
14,392.1	89.65	359.69	11,150.7	3,480.2	829.1	3,565.8	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

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 Project: Lea County, NM (NAD 27 NME)
 Site: Frazier 34 State Corn
 Well: #503H
 Wellbore: OH
 Design: Plan #3

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)
TGT#2(Fraz 34 State #503H)									
14,400.0	89.65	359.69	11,150.7	3,488.1	829.1	3,573.5	0.00	0.00	0.00
14,500.0	89.65	359.69	11,151.3	3,588.1	828.6	3,672.3	0.00	0.00	0.00
14,600.0	89.65	359.69	11,152.0	3,688.1	828.0	3,771.1	0.00	0.00	0.00
14,700.0	89.65	359.69	11,152.6	3,788.1	827.5	3,869.8	0.00	0.00	0.00
14,800.0	89.65	359.69	11,153.2	3,888.1	826.9	3,968.6	0.00	0.00	0.00
14,900.0	89.65	359.69	11,153.8	3,988.1	826.4	4,067.3	0.00	0.00	0.00
15,000.0	89.65	359.69	11,154.4	4,088.1	825.8	4,166.1	0.00	0.00	0.00
15,100.0	89.65	359.69	11,155.0	4,188.1	825.3	4,264.8	0.00	0.00	0.00
15,200.0	89.65	359.69	11,155.6	4,288.1	824.7	4,363.6	0.00	0.00	0.00
15,300.0	89.65	359.69	11,156.2	4,388.1	824.2	4,462.3	0.00	0.00	0.00
15,400.0	89.65	359.69	11,156.8	4,488.1	823.6	4,561.1	0.00	0.00	0.00
15,500.0	89.65	359.69	11,157.4	4,588.1	823.1	4,659.8	0.00	0.00	0.00
15,600.0	89.65	359.69	11,158.1	4,688.1	822.5	4,758.6	0.00	0.00	0.00
15,700.0	89.65	359.69	11,158.7	4,788.1	822.0	4,857.4	0.00	0.00	0.00
15,800.0	89.65	359.69	11,159.3	4,888.1	821.4	4,956.1	0.00	0.00	0.00
15,900.0	89.65	359.69	11,159.9	4,988.1	820.9	5,054.9	0.00	0.00	0.00
16,000.0	89.65	359.69	11,160.5	5,088.1	820.3	5,153.6	0.00	0.00	0.00
16,100.0	89.65	359.69	11,161.1	5,188.1	819.8	5,252.4	0.00	0.00	0.00
16,200.0	89.65	359.69	11,161.7	5,288.0	819.2	5,351.1	0.00	0.00	0.00
16,245.0	89.65	359.69	11,162.0	5,333.0	819.0	5,395.5	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
FTP(Fraz 34 State #503 - plan hits target center - Point	0.00	0.00	11,133.0	586.0	845.0	430,850.00	740,722.00	32° 10' 55.670 N	103° 33' 18.957 W
PBHL(Fraz 34 State #5C - plan hits target center - Rectangle (sides W50.0 H0.0 D4,717.2)	90.00	359.68	11,162.0	5,333.0	819.0	435,597.00	740,696.00	32° 11' 42.646 N	103° 33' 18.860 W