

Well Name: STREETCAR 15 FED	Well Location: T25S / R33E / SEC 15 / SWSE / 32.1255253 / -103.556047	County or Parish/State: LEA / NM
Well Number: 503H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM26079	Unit or CA Name:	Unit or CA Number:
US Well Number: 300254751400X1	Well Status: Approved Application for Permit to Drill	Operator: EOG RESOURCES INCORPORATED

Notice of Intent

Type of Submission: Notice of Intent	Type of Action Other
Date Sundry Submitted: 02/26/2021	Time Sundry Submitted: 08:28
Date proposed operation will begin: 03/14/2021	

Procedure Description: EOG respectfully requests an amendment to our approved APD for this well to reflect the following changes: Change name to Streetcar 15 Fed 406H Change production hole size from 8-1/2" to 7-7/8" Change BHL to T-25-S R-33-E Sec 15 100' FNL 2,200' FEL Lea County, NM

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- STREETCAR_15_FED_406H_C_102_20210226082816.pdf
- 1_Streetcar_15_Fed_406H__FKA_503H__Permit_Info__Rev_name__production_hole_size__BHL_2.22.2021_20210226082809.pdf
 - 2_Streetcar_15_Fed_406H_Planning_Report_20210226082809.pdf
 - 3_Streetcar_15_Fed_406H_Wall_Plot_20210226082809.pdf

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Lease Number: NMNM26079	Unit or CA Name:	Unit or CA Number:
US Well Number: 300254751400X1	Well Status: Approved Application for Permit to Drill	Operator: EOG RESOURCES INCORPORATED

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: HARRELL	Signed on: FEB 26, 2021 08:28 AM
Name: EOG RESOURCES INCORPORATED	
Title: Regulatory Specialist	
Street Address: 5509 CHAMPIONS DRIVE	
City: MIDLAND	State: TX
Phone: (432) 848-9161	
Email address: Star_Harrell@eogresources.com	

Field Representative

Representative Name: Star Harrell		
Street Address: 5509 CHAMPIONS DRIVE		
City: MIDLAND	State: TX	Zip: 79706
Phone: (432)848-9161		
Email address: Star_Harrell@eogresources.com		

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752342234	BLM POC Email Address: cwalls@blm.gov
Disposition: Approved	Disposition Date: 04/05/2021
Signature: Chris Walls	

District I
1625 N. French Dr., Hobbs, NM 88420
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 30-025-47514	² Pool Code 96392	³ Pool Name Draper Mill; Bone Spring
⁴ Property Code 315310	⁵ Property Name STREETCAR 15 FED	
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁶ Well Number 406H
		⁹ Elevation 3355'

¹⁰Surface Location

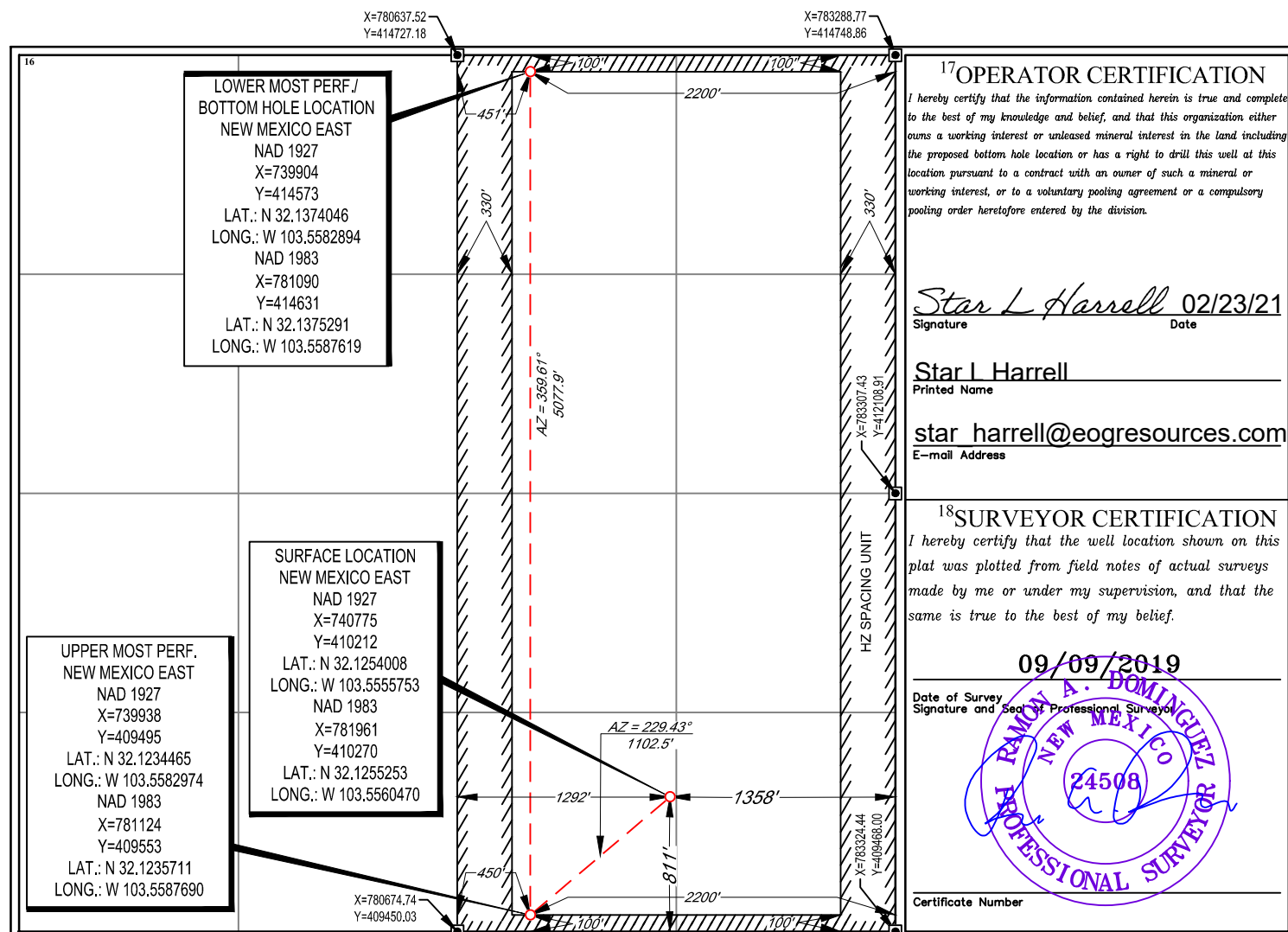
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	15	25-S	33-E	—	811'	SOUTH	1358'	EAST	LEA

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	15	25-S	33-E	-	100'	NORTH	2200'	EAST	LEA

¹² Dedicated Acres 320.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.



Revised Permit Information 2/22/2021:

Well Name: Streetcar 15 Fed Com #406H (FKA 503H)

Location:

SHL: 811' FSL & 1358' FEL, Section 15, T-25-S, R-33-E, Lea Co., N.M.

BHL: 100' FNL & 2200' FEL, Section 15, T-25-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' – 1,210'	13.375"	54.5#	J-55	STC	1.125	1.25	1.60
12.25"	0' – 4,000'	9.625"	40#	J-55	LTC	1.125	1.25	1.60
12.25"	4,000' – 5,200'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0' – 10,934'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60
7.875"	10,934' – 15,584'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60

Variance is requested to waive the centralizer requirements for the 9-5/8" casing in the 12-1/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 12-1/4" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to waive any centralizer requirements for the 5-1/2" casing in the 8-3/4" and 7-7/8" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 8-3/4" and 7-7/8" hole interval to maximize cement bond and zonal isolation.

Cementing Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /sk	Slurry Description
1,210'	370	13.5	1.73	Lead: Class C + 4.0% Bentonite + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	100	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 1,010')
5,200'	760	12.7	2.22	Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface)
	330	14.8	1.21	Tail: Class C + 10% NaCl + 3% MagOx (TOC @ 4,160')
15,584'	580	11.0	3.21	Lead: Class C + 3% CaCl ₂ + 3% Microbond (TOC @ 4,700')
	1,330	14.4	1.2	Tail: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 10,184')

Additive	Purpose
Bentonite Gel	Lightweight/Lost circulation prevention
Calcium Chloride	Accelerator
Cello-flake	Lost circulation prevention
Sodium Metasilicate	Accelerator
MagOx	Expansive agent
Sodium Chloride	Accelerator
FL-62	Fluid loss control
Halad-344	Fluid loss control
Halad-9	Fluid loss control
HR-601	Retarder
Microbond	Expansive Agent

Note: Cement volumes based on bit size plus at least 25% excess in the open hole plus 10% excess in the cased-hole overlap section.

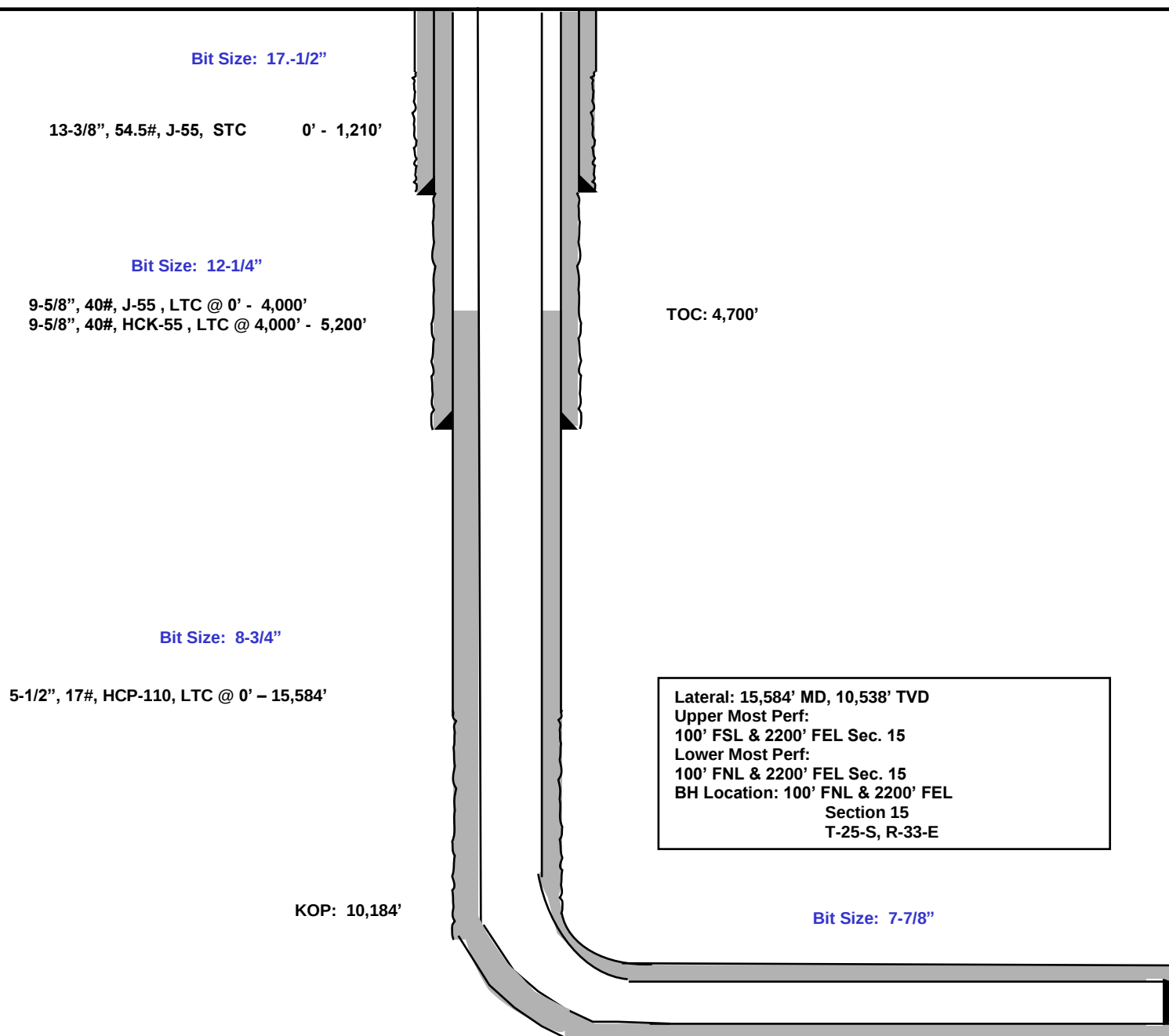
Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,210'	Fresh - Gel	8.6-8.8	28-34	N/c
1,210' – 5,200'	Brine	8.6-8.8	28-34	N/c
5,200' – 15,584'	Oil Base	8.8-9.5	58-68	N/c - 6

811' FSL
1358' FEL
Section 15
T-25-S, R-33-E

Proposed Wellbore
Revised 2/2/2021

KB: 3,380'
GL: 3,355'

API: 30-025-47514





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Streetcar 15 Fed

#406H

OH

Plan: Plan #0.1

Standard Planning Report

23 February, 2021



EOG Resources

Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #406H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3380.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3380.0usft
Site:	Streetcar 15 Fed	North Reference:	Grid
Well:	#406H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Project	Lea County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Streetcar 15 Fed					
Site Position:		Northing:	409,714.00 usft	Latitude:	32.1239826°N	
From:	Map	Easting:	782,680.00 usft	Longitude:	103.5537388°W	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.41 °

Well	#406H					
Well Position	+N/-S	556.0 usft	Northing:	410,270.00 usft	Latitude:	32.1255252°N
	+E/-W	-719.0 usft	Easting:	781,961.00 usft	Longitude:	103.5560482°W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,355.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	2/23/2021	6.57	59.82	47,469.45930520

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	348.71

Plan Survey Tool Program	Date	2/23/2021		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	15,584.1	Plan #0.1 (OH)	EOG MWD+IFR1 MWD + IFR1

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	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,045.7	12.91	227.50	2,040.2	-48.9	-53.4	2.00	2.00	0.00	227.50	
6,477.3	12.91	227.50	6,359.8	-718.1	-783.6	0.00	0.00	0.00	0.00	
7,123.0	0.00	0.00	7,000.0	-767.0	-837.0	2.00	-2.00	0.00	180.00	
10,183.5	0.00	0.00	10,060.5	-767.0	-837.0	0.00	0.00	0.00	0.00	KOP (Streetcar 15 Fe
10,933.5	90.00	359.62	10,538.0	-289.5	-840.2	12.00	12.00	-0.05	359.62	
15,584.1	90.00	359.62	10,538.0	4,361.0	-871.0	0.00	0.00	0.00	0.00	PBHL (Streetcar 15 F



EOG Resources

Planning Report

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Site:	Streetcar 15 Fed	North Reference:	Grid
Well:	#406H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	2.00	227.50	1,500.0	-1.2	-1.3	-0.9	2.00	2.00	0.00
1,600.0	4.00	227.50	1,599.8	-4.7	-5.1	-3.6	2.00	2.00	0.00
1,700.0	6.00	227.50	1,699.5	-10.6	-11.6	-8.1	2.00	2.00	0.00
1,800.0	8.00	227.50	1,798.7	-18.8	-20.6	-14.4	2.00	2.00	0.00
1,900.0	10.00	227.50	1,897.5	-29.4	-32.1	-22.6	2.00	2.00	0.00
2,000.0	12.00	227.50	1,995.6	-42.3	-46.2	-32.4	2.00	2.00	0.00
2,045.7	12.91	227.50	2,040.2	-48.9	-53.4	-37.5	2.00	2.00	0.00
2,100.0	12.91	227.50	2,093.2	-57.2	-62.4	-43.8	0.00	0.00	0.00
2,200.0	12.91	227.50	2,190.6	-72.3	-78.8	-55.4	0.00	0.00	0.00
2,300.0	12.91	227.50	2,288.1	-87.3	-95.3	-67.0	0.00	0.00	0.00
2,400.0	12.91	227.50	2,385.6	-102.4	-111.8	-78.6	0.00	0.00	0.00
2,500.0	12.91	227.50	2,483.1	-117.5	-128.3	-90.1	0.00	0.00	0.00
2,600.0	12.91	227.50	2,580.5	-132.6	-144.7	-101.7	0.00	0.00	0.00
2,700.0	12.91	227.50	2,678.0	-147.7	-161.2	-113.3	0.00	0.00	0.00
2,800.0	12.91	227.50	2,775.5	-162.8	-177.7	-124.9	0.00	0.00	0.00
2,900.0	12.91	227.50	2,872.9	-177.9	-194.2	-136.5	0.00	0.00	0.00
3,000.0	12.91	227.50	2,970.4	-193.0	-210.7	-148.0	0.00	0.00	0.00
3,100.0	12.91	227.50	3,067.9	-208.1	-227.1	-159.6	0.00	0.00	0.00
3,200.0	12.91	227.50	3,165.4	-223.2	-243.6	-171.2	0.00	0.00	0.00
3,300.0	12.91	227.50	3,262.8	-238.3	-260.1	-182.8	0.00	0.00	0.00
3,400.0	12.91	227.50	3,360.3	-253.4	-276.6	-194.4	0.00	0.00	0.00
3,500.0	12.91	227.50	3,457.8	-268.5	-293.0	-205.9	0.00	0.00	0.00
3,600.0	12.91	227.50	3,555.2	-283.6	-309.5	-217.5	0.00	0.00	0.00
3,700.0	12.91	227.50	3,652.7	-298.7	-326.0	-229.1	0.00	0.00	0.00
3,800.0	12.91	227.50	3,750.2	-313.8	-342.5	-240.7	0.00	0.00	0.00
3,900.0	12.91	227.50	3,847.6	-328.9	-358.9	-252.2	0.00	0.00	0.00
4,000.0	12.91	227.50	3,945.1	-344.0	-375.4	-263.8	0.00	0.00	0.00
4,100.0	12.91	227.50	4,042.6	-359.1	-391.9	-275.4	0.00	0.00	0.00
4,200.0	12.91	227.50	4,140.1	-374.2	-408.4	-287.0	0.00	0.00	0.00
4,300.0	12.91	227.50	4,237.5	-389.3	-424.8	-298.6	0.00	0.00	0.00
4,400.0	12.91	227.50	4,335.0	-404.4	-441.3	-310.1	0.00	0.00	0.00
4,500.0	12.91	227.50	4,432.5	-419.5	-457.8	-321.7	0.00	0.00	0.00
4,600.0	12.91	227.50	4,529.9	-434.6	-474.3	-333.3	0.00	0.00	0.00
4,700.0	12.91	227.50	4,627.4	-449.7	-490.7	-344.9	0.00	0.00	0.00
4,800.0	12.91	227.50	4,724.9	-464.8	-507.2	-356.5	0.00	0.00	0.00
4,900.0	12.91	227.50	4,822.4	-479.9	-523.7	-368.0	0.00	0.00	0.00
5,000.0	12.91	227.50	4,919.8	-495.0	-540.2	-379.6	0.00	0.00	0.00
5,100.0	12.91	227.50	5,017.3	-510.1	-556.7	-391.2	0.00	0.00	0.00
5,200.0	12.91	227.50	5,114.8	-525.2	-573.1	-402.8	0.00	0.00	0.00

EOG Resources

Planning Report



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Wellbore:	OH		
Design:	Plan #0.1		

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	12.91	227.50	5,212.2	-540.3	-589.6	-414.4	0.00	0.00	0.00	
5,400.0	12.91	227.50	5,309.7	-555.4	-606.1	-425.9	0.00	0.00	0.00	
5,500.0	12.91	227.50	5,407.2	-570.5	-622.6	-437.5	0.00	0.00	0.00	
5,600.0	12.91	227.50	5,504.7	-585.6	-639.0	-449.1	0.00	0.00	0.00	
5,700.0	12.91	227.50	5,602.1	-600.7	-655.5	-460.7	0.00	0.00	0.00	
5,800.0	12.91	227.50	5,699.6	-615.8	-672.0	-472.2	0.00	0.00	0.00	
5,900.0	12.91	227.50	5,797.1	-630.9	-688.5	-483.8	0.00	0.00	0.00	
6,000.0	12.91	227.50	5,894.5	-646.0	-704.9	-495.4	0.00	0.00	0.00	
6,100.0	12.91	227.50	5,992.0	-661.1	-721.4	-507.0	0.00	0.00	0.00	
6,200.0	12.91	227.50	6,089.5	-676.2	-737.9	-518.6	0.00	0.00	0.00	
6,300.0	12.91	227.50	6,187.0	-691.3	-754.4	-530.1	0.00	0.00	0.00	
6,400.0	12.91	227.50	6,284.4	-706.4	-770.8	-541.7	0.00	0.00	0.00	
6,477.3	12.91	227.50	6,359.8	-718.1	-783.6	-550.7	0.00	0.00	0.00	
6,500.0	12.46	227.50	6,381.9	-721.4	-787.3	-553.3	2.00	-2.00	0.00	
6,600.0	10.46	227.50	6,479.9	-734.8	-801.9	-563.5	2.00	-2.00	0.00	
6,700.0	8.46	227.50	6,578.6	-745.9	-814.0	-572.1	2.00	-2.00	0.00	
6,800.0	6.46	227.50	6,677.7	-754.7	-823.6	-578.8	2.00	-2.00	0.00	
6,900.0	4.46	227.50	6,777.2	-761.1	-830.6	-583.7	2.00	-2.00	0.00	
7,000.0	2.46	227.50	6,877.1	-765.2	-835.1	-586.8	2.00	-2.00	0.00	
7,100.0	0.46	227.50	6,977.0	-766.9	-836.9	-588.2	2.00	-2.00	0.00	
7,123.0	0.00	0.00	7,000.0	-767.0	-837.0	-588.2	2.00	-2.00	0.00	
7,200.0	0.00	0.00	7,077.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,177.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,277.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,377.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,477.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,577.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,677.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,777.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,877.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
8,100.0	0.00	0.00	7,977.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,077.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,177.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,277.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,377.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,477.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,577.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,677.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,777.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,877.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
9,100.0	0.00	0.00	8,977.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,077.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,177.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,277.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,377.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,477.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,577.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,677.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,777.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
10,000.0	0.00	0.00	9,877.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
10,100.0	0.00	0.00	9,977.0	-767.0	-837.0	-588.2	0.00	0.00	0.00	
10,183.5	0.00	0.00	10,060.5	-767.0	-837.0	-588.2	0.00	0.00	0.00	
KOP (Streetcar 15 Fed #406H)										

EOG Resources

Planning Report



Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #406H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3380.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3380.0usft
Site:	Streetcar 15 Fed	North Reference:	Grid
Well:	#406H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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)
10,200.0	1.98	359.62	10,077.0	-766.7	-837.0	-587.9	12.00	12.00	0.00
10,225.0	4.98	359.62	10,102.0	-765.2	-837.0	-586.4	12.00	12.00	0.00
10,250.0	7.98	359.62	10,126.8	-762.4	-837.0	-583.7	12.00	12.00	0.00
10,275.0	10.98	359.62	10,151.5	-758.3	-837.1	-579.6	12.00	12.00	0.00
10,300.0	13.98	359.62	10,175.9	-752.9	-837.1	-574.3	12.00	12.00	0.00
10,325.0	16.98	359.62	10,200.0	-746.2	-837.1	-567.8	12.00	12.00	0.00
10,350.0	19.98	359.62	10,223.7	-738.3	-837.2	-560.0	12.00	12.00	0.00
10,375.0	22.98	359.62	10,246.9	-729.1	-837.3	-551.0	12.00	12.00	0.00
10,400.0	25.98	359.62	10,269.7	-718.7	-837.3	-540.8	12.00	12.00	0.00
10,425.0	28.98	359.62	10,291.8	-707.2	-837.4	-529.5	12.00	12.00	0.00
10,450.0	31.98	359.62	10,313.4	-694.5	-837.5	-517.1	12.00	12.00	0.00
10,475.0	34.98	359.62	10,334.2	-680.7	-837.6	-503.5	12.00	12.00	0.00
10,500.0	37.98	359.62	10,354.3	-665.9	-837.7	-488.9	12.00	12.00	0.00
10,525.0	40.98	359.62	10,373.6	-650.0	-837.8	-473.3	12.00	12.00	0.00
10,550.0	43.98	359.62	10,392.1	-633.1	-837.9	-456.7	12.00	12.00	0.00
10,575.0	46.98	359.62	10,409.6	-615.3	-838.0	-439.2	12.00	12.00	0.00
10,584.0	48.06	359.62	10,415.6	-608.7	-838.0	-432.8	12.00	12.00	0.00
FTP (Streetcar 15 Fed #406H)									
10,600.0	49.98	359.62	10,426.2	-596.6	-838.1	-420.9	12.00	12.00	0.00
10,625.0	52.98	359.62	10,441.7	-577.0	-838.3	-401.7	12.00	12.00	0.00
10,650.0	55.98	359.62	10,456.3	-556.7	-838.4	-381.7	12.00	12.00	0.00
10,675.0	58.98	359.62	10,469.7	-535.6	-838.5	-361.0	12.00	12.00	0.00
10,700.0	61.98	359.62	10,482.0	-513.8	-838.7	-339.6	12.00	12.00	0.00
10,725.0	64.98	359.62	10,493.2	-491.5	-838.8	-317.7	12.00	12.00	0.00
10,750.0	67.98	359.62	10,503.1	-468.5	-839.0	-295.1	12.00	12.00	0.00
10,775.0	70.98	359.62	10,511.9	-445.1	-839.1	-272.2	12.00	12.00	0.00
10,800.0	73.98	359.62	10,519.4	-421.3	-839.3	-248.8	12.00	12.00	0.00
10,825.0	76.98	359.62	10,525.7	-397.1	-839.5	-225.0	12.00	12.00	0.00
10,850.0	79.98	359.62	10,530.7	-372.6	-839.6	-200.9	12.00	12.00	0.00
10,875.0	82.98	359.62	10,534.4	-347.9	-839.8	-176.7	12.00	12.00	0.00
10,900.0	85.98	359.62	10,536.8	-323.0	-839.9	-152.2	12.00	12.00	0.00
10,925.0	88.98	359.62	10,537.9	-298.0	-840.1	-127.7	12.00	12.00	0.00
10,933.5	90.00	359.62	10,538.0	-289.5	-840.2	-119.4	12.00	12.00	0.00
11,000.0	90.00	359.62	10,538.0	-223.0	-840.6	-54.1	0.00	0.00	0.00
11,100.0	90.00	359.62	10,538.0	-123.0	-841.3	44.1	0.00	0.00	0.00
11,200.0	90.00	359.62	10,538.0	-23.0	-841.9	142.3	0.00	0.00	0.00
11,300.0	90.00	359.62	10,538.0	77.0	-842.6	240.5	0.00	0.00	0.00
11,400.0	90.00	359.62	10,538.0	177.0	-843.3	338.7	0.00	0.00	0.00
11,500.0	90.00	359.62	10,538.0	277.0	-843.9	436.9	0.00	0.00	0.00
11,600.0	90.00	359.62	10,538.0	377.0	-844.6	535.1	0.00	0.00	0.00
11,700.0	90.00	359.62	10,538.0	477.0	-845.2	633.3	0.00	0.00	0.00
11,800.0	90.00	359.62	10,538.0	577.0	-845.9	731.5	0.00	0.00	0.00
11,900.0	90.00	359.62	10,538.0	676.9	-846.6	829.6	0.00	0.00	0.00
12,000.0	90.00	359.62	10,538.0	776.9	-847.2	927.8	0.00	0.00	0.00
12,100.0	90.00	359.62	10,538.0	876.9	-847.9	1,026.0	0.00	0.00	0.00
12,200.0	90.00	359.62	10,538.0	976.9	-848.6	1,124.2	0.00	0.00	0.00
12,300.0	90.00	359.62	10,538.0	1,076.9	-849.2	1,222.4	0.00	0.00	0.00
12,400.0	90.00	359.62	10,538.0	1,176.9	-849.9	1,320.6	0.00	0.00	0.00
12,500.0	90.00	359.62	10,538.0	1,276.9	-850.6	1,418.8	0.00	0.00	0.00
12,600.0	90.00	359.62	10,538.0	1,376.9	-851.2	1,517.0	0.00	0.00	0.00
12,700.0	90.00	359.62	10,538.0	1,476.9	-851.9	1,615.2	0.00	0.00	0.00
12,800.0	90.00	359.62	10,538.0	1,576.9	-852.5	1,713.4	0.00	0.00	0.00
12,900.0	90.00	359.62	10,538.0	1,676.9	-853.2	1,811.6	0.00	0.00	0.00
13,000.0	90.00	359.62	10,538.0	1,776.9	-853.9	1,909.7	0.00	0.00	0.00



EOG Resources

Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #406H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3380.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3380.0usft
Site:	Streetcar 15 Fed	North Reference:	Grid
Well:	#406H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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)	
13,100.0	90.00	359.62	10,538.0	1,876.9	-854.5	2,007.9	0.00	0.00	0.00	
13,200.0	90.00	359.62	10,538.0	1,976.9	-855.2	2,106.1	0.00	0.00	0.00	
13,300.0	90.00	359.62	10,538.0	2,076.9	-855.9	2,204.3	0.00	0.00	0.00	
13,400.0	90.00	359.62	10,538.0	2,176.9	-856.5	2,302.5	0.00	0.00	0.00	
13,500.0	90.00	359.62	10,538.0	2,276.9	-857.2	2,400.7	0.00	0.00	0.00	
13,600.0	90.00	359.62	10,538.0	2,376.9	-857.8	2,498.9	0.00	0.00	0.00	
13,700.0	90.00	359.62	10,538.0	2,476.9	-858.5	2,597.1	0.00	0.00	0.00	
13,800.0	90.00	359.62	10,538.0	2,576.9	-859.2	2,695.3	0.00	0.00	0.00	
13,900.0	90.00	359.62	10,538.0	2,676.9	-859.8	2,793.5	0.00	0.00	0.00	
14,000.0	90.00	359.62	10,538.0	2,776.9	-860.5	2,891.7	0.00	0.00	0.00	
14,100.0	90.00	359.62	10,538.0	2,876.9	-861.2	2,989.8	0.00	0.00	0.00	
14,200.0	90.00	359.62	10,538.0	2,976.9	-861.8	3,088.0	0.00	0.00	0.00	
14,300.0	90.00	359.62	10,538.0	3,076.9	-862.5	3,186.2	0.00	0.00	0.00	
14,400.0	90.00	359.62	10,538.0	3,176.9	-863.1	3,284.4	0.00	0.00	0.00	
14,500.0	90.00	359.62	10,538.0	3,276.9	-863.8	3,382.6	0.00	0.00	0.00	
14,600.0	90.00	359.62	10,538.0	3,376.9	-864.5	3,480.8	0.00	0.00	0.00	
14,700.0	90.00	359.62	10,538.0	3,476.9	-865.1	3,579.0	0.00	0.00	0.00	
14,800.0	90.00	359.62	10,538.0	3,576.9	-865.8	3,677.2	0.00	0.00	0.00	
14,900.0	90.00	359.62	10,538.0	3,676.9	-866.5	3,775.4	0.00	0.00	0.00	
15,000.0	90.00	359.62	10,538.0	3,776.9	-867.1	3,873.6	0.00	0.00	0.00	
15,100.0	90.00	359.62	10,538.0	3,876.9	-867.8	3,971.8	0.00	0.00	0.00	
15,200.0	90.00	359.62	10,538.0	3,976.9	-868.5	4,069.9	0.00	0.00	0.00	
15,300.0	90.00	359.62	10,538.0	4,076.9	-869.1	4,168.1	0.00	0.00	0.00	
15,400.0	90.00	359.62	10,538.0	4,176.9	-869.8	4,266.3	0.00	0.00	0.00	
15,500.0	90.00	359.62	10,538.0	4,276.9	-870.4	4,364.5	0.00	0.00	0.00	
15,584.1	90.00	359.62	10,538.0	4,361.0	-871.0	4,447.1	0.00	0.00	0.00	
PBHL (Streetcar 15 Fed #406H)										

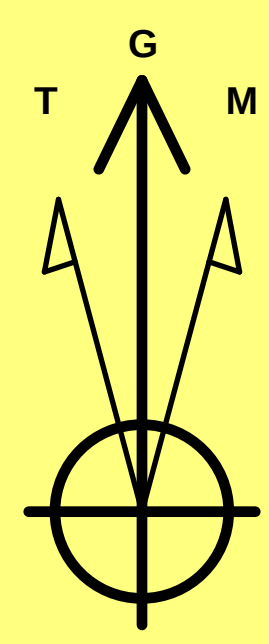
Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
KOP (Streetcar 15 Fed # - hit/miss target - Shape - Point	0.00	0.00	10,060.5	-767.0	-837.0	409,503.00	781,124.00	32.1234335°N	103.5587696°W	
PBHL (Streetcar 15 Fed - plan hits target center - Point	0.00	0.00	10,538.0	4,361.0	-871.0	414,631.00	781,090.00	32.1375295°N	103.5587603°W	
FTP (Streetcar 15 Fed # - plan misses target center by 163.4usft at 10584.0usft MD (10415.6 TVD, -608.7 N, -838.0 E) - Point	0.00	0.00	10,538.0	-717.0	-837.0	409,553.00	781,124.00	32.1235709°N	103.5587684°W	



Lea County, NM (NAD 83 NME)

Streetcar 15 Fed #406H

Plan #0.1



Azimuths to Grid North
True North: -0.41°
Magnetic North: 6.15°

Magnetic Field
Strength: 47469.5nT
Dip Angle: 59.82°
Date: 2/23/2021
Model: IGRF2020

To convert a Magnetic Direction to a Grid Direction, Add 6.15°
To convert a Magnetic Direction to a True Direction, Add 6.57° East
To convert a True Direction to a Grid Direction, Subtract 0.41°

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #406H

KB = 25' @ 3380.0usft 3355.0
Northing 410270.00 Easting 781961.00 Latitude 32.1255251°N Longitude 103.5560482°W

SECTION DETAILS

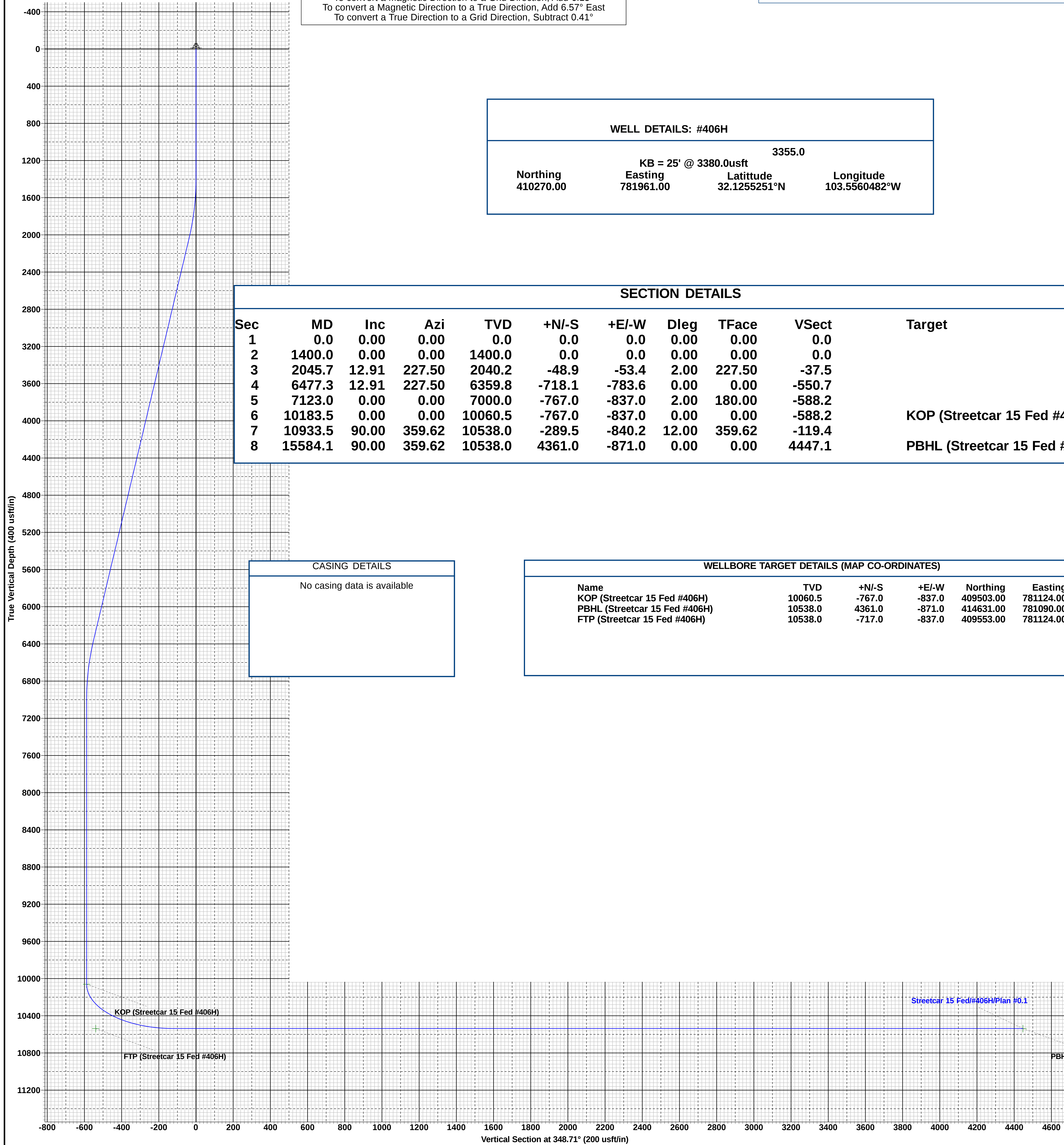
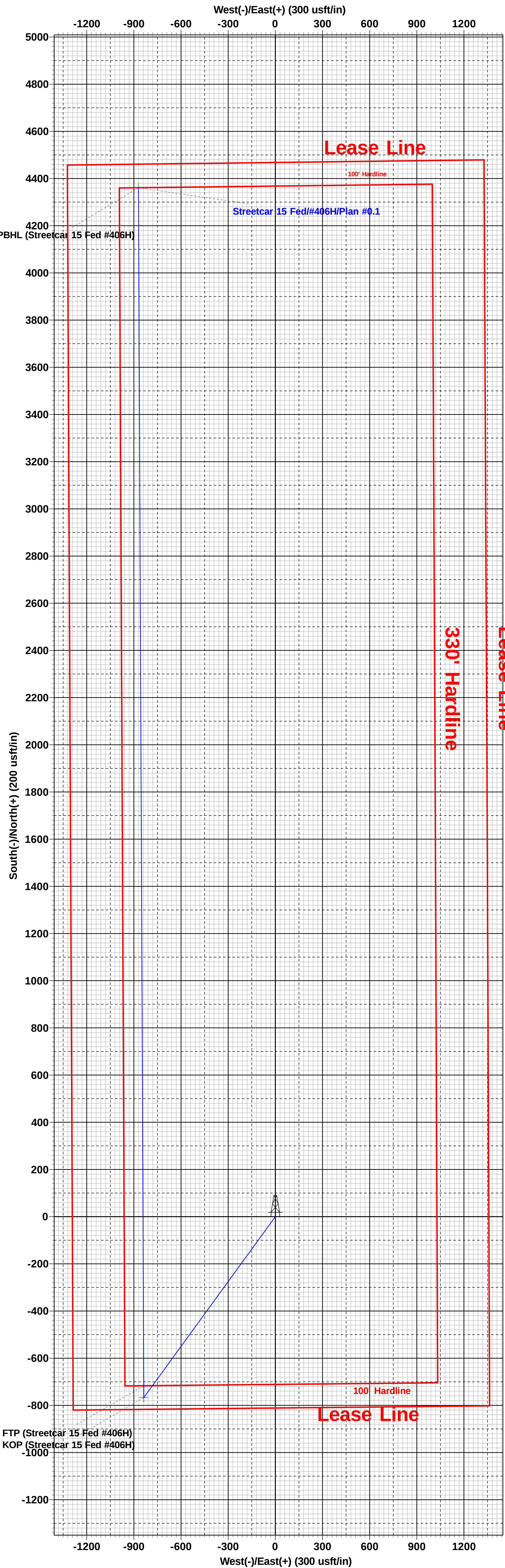
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1400.0	0.00	0.00	1400.0	0.0	0.0	0.00	0.00	0.0	
3	2045.7	12.91	227.50	2040.2	-48.9	-53.4	2.00	227.50	-37.5	
4	6477.3	12.91	227.50	6359.8	-718.1	-783.6	0.00	0.00	-550.7	
5	7123.0	0.00	0.00	7000.0	-767.0	-837.0	2.00	180.00	-588.2	
6	10183.5	0.00	0.00	10060.5	-767.0	-837.0	0.00	0.00	-588.2	KOP (Streetcar 15 Fed #406H)
7	10933.5	90.00	359.62	10538.0	-289.5	-840.2	12.00	359.62	-119.4	
8	15584.1	90.00	359.62	10538.0	4361.0	-871.0	0.00	0.00	4447.1	PBHL (Streetcar 15 Fed #406H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP (Streetcar 15 Fed #406H)	10060.5	-767.0	-837.0	409503.00	781124.00
PBHL (Streetcar 15 Fed #406H)	10538.0	4361.0	-871.0	414631.00	781090.00
FTP (Streetcar 15 Fed #406H)	10538.0	-717.0	-837.0	409553.00	781124.00



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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 23190

CONDITIONS OF APPROVAL

Operator:	EOG RESOURCES INC	P.O. Box 2267	Midland, TX79702	OGRID:	7377	Action Number:	23190	Action Type:	C-103A
OCD Reviewer									Condition
pkautz									None