

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural
Resources

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

Oil Conservation Division
1220 South St. Francis Dr.

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE MINERAL AUTHORIZATION TO TRANSPORT

¹ Operator name and Address EOG RESOURCES INC PO BOX 2267 MIDLAND, TEXAS 79702		² OGRID Number 7377	
		³ Reason for Filing Code/ Effective Date NW 06/23/2021	
⁴ API Number 30 - 025-46963	⁵ Pool Name BOBCAT DRAW; UPPER WOLFCAMP		⁶ Pool Code 98094
⁷ Property Code 39180	⁸ Property Name VACA 24 FEDERAL COM		⁹ Well Number 704H

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
N	24	25S	33E		679	SOUTH	2110	WEST	LEA

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	13	25S	33E		108	NORTH	2300	WEST	LEA
¹² Lse Code	¹³ Producing Method Code FLOWING	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date		

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
372812	EOGRM	OIL
151618	ENTERPRISE FIELD SERVICES	GAS
298751	REGENCY FIELD SERVICES	GAS
36785	DCP MIDSTREAM	GAS

IV. Well Completion Data

²¹ Spud Date 01/08/2021	²² Ready Date 06/23/2021	²³ TD 22,724'	²⁴ PBTd 22,697'	²⁵ Perforations 12,535 - 22,697'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
12 1/4"		9 5/8"	1175'		530 SXS CL C/CIRC
8 3/4"		7 5/8"	11,772'		1523 SXS CL C/81' ECHO
6 3/4"		5 1/2"	22,707'		925 SXS CL H 11,243' CBL

V. Well Test Data

³¹ Date New Oil 06/23/2021	³² Gas Delivery Date 06/23/2021	³³ Test Date 06/28/2021	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 3945
³⁷ Choke Size 34	³⁸ Oil 4282	³⁹ Water 6178	⁴⁰ Gas 6791		⁴¹ Test Method
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: Kay Maddox			OIL CONSERVATION DIVISION Approved by: KURT SIMMONS Title: NMOCD, SANTA FE Approval Date: 08/19/2021		
Printed name: Kay Maddox					
Title: SENIOR REGULATORY SPECIALIST					
E-mail Address: kay_maddox@eogresources.com					
Date: 06/30/2021		Phone: 432-638-8475			

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 30-025-46963	² Pool Code 98094	³ Pool Name BOBCAT DRAW; UPPER WOLFCAMP
⁴ Property Code 39180	⁵ Property Name VACA 24 FED COM	⁶ Well Number 704H
⁷ GRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3332'

¹⁰Surface Location

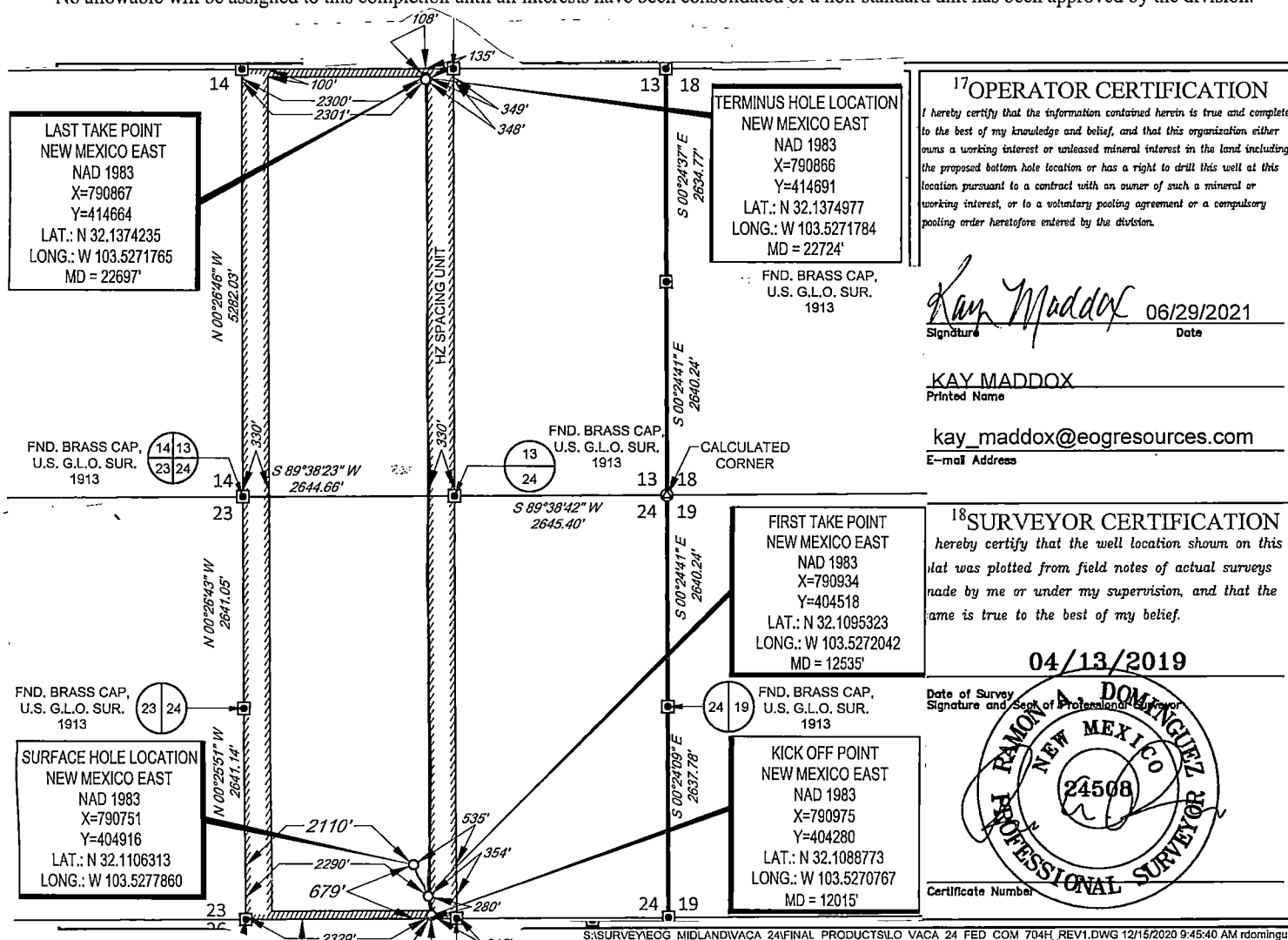
UL or lot no. N	Section 24	Township 25-S	Range 33-E	Lot Idn -	Feet from the 679'	North/South line SOUTH	Feet from the 2110'	East/West line WEST	County LEA
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¹¹Bottom Hole Location If Different From Surface

UL or lot no. C	Section 13	Township 25-S	Range 33-E	Lot Idn -	Feet from the 108'	North/South line NORTH	Feet from the 2300'	East/West line WEST	County LEA
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¹² Dedicated Acres 640	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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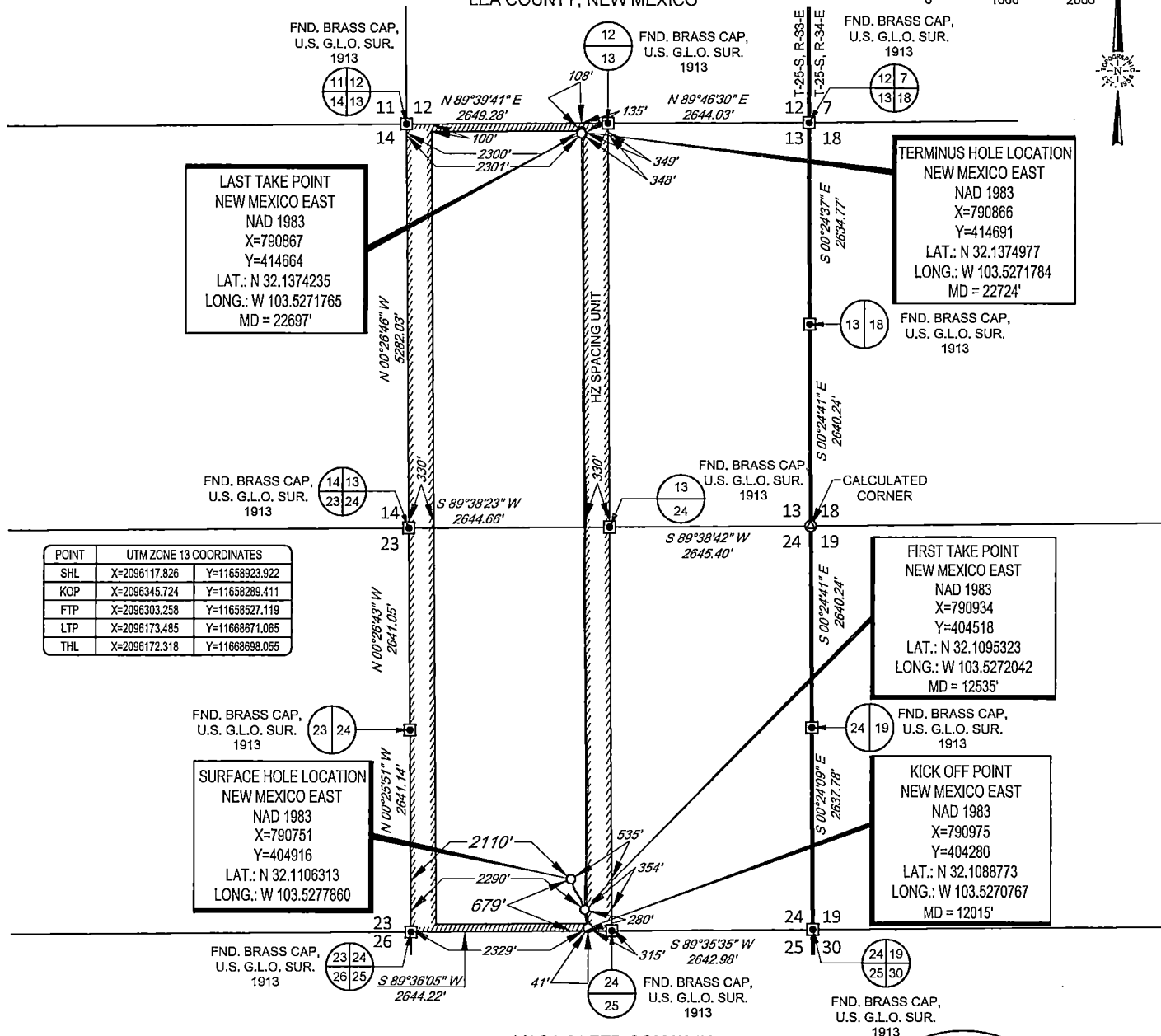
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



SECTION 24, TOWNSHIP 25-S, RANGE 33-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SCALE: 1" = 2000'

0' 1000' 2000'



LEASE NAME & WELL NO.: VACA 24 FED COM 704H

SECTION 24 TWP 25-S RGE 33-E SURVEY N.M.P.M.

COUNTY LEA STATE NM ELEVATION 3332'

DESCRIPTION 679' FSL & 2110' FWL

**TOPOGRAPHIC**
LOYALTY INNOVATION LEGACY

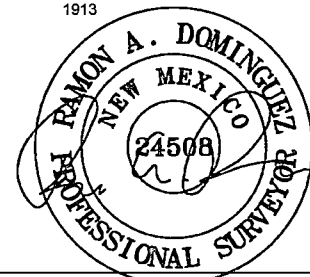
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140

TELEPHONE: (817) 744-7512 • FAX (817) 744-7554

2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705

TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743

WWW.TOPOGRAPHIC.COM



Ramon A. Dominguez, P.S. No. 24508

MAY 19, 2021

Geog resources, Inc.VACA 24 FED COM 704H
AS-COMplete

REVISION:

DATE: 05/18/2021

FILE: AD_VACA_24_FED_COM_704H

DRAWN BY: A.V.F.

SHEET: 1 OF 1

NOTES:

1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.
3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.
4. ADJOINER INFORMATION SHOWN FOR INFORMATIONAL PURPOSES ONLY.



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Vaca 24 Fed Com

#704H

OH

Design: OH

Midland PVA

09 February, 2021



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #704H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3357.0usft
Site:	Vaca 24 Fed Com	MD Reference:	KB = 25 @ 3357.0usft
Well:	#704H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

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	Vaca 24 Fed Com		
Site Position:		Northing:	404,270.00 usft
From:	Map	Easting:	789,366.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 6' 31.982 N
		Longitude:	103° 31' 56.186 W
		Grid Convergence:	0.43 °

Well		#704H				
Well Position	+N/-S	0.0 usft	Northing:	404,916.00 usft	Latitude:	32° 6' 38.272 N
	+E/-W	0.0 usft	Easting:	790,751.00 usft	Longitude:	103° 31' 40.028 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,332.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	2/18/2021	6.55	59.81	47,465.10326528

Design	OH			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	0.73

Survey Program	Date	2/9/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
186.0	22,724.0	Driltech MWD (OH)	EOG MWD+IFR1	MWD + IFR1



EOG Resources

Midland PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Vaca 24 Fed Com
Well: #704H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #704H
TVD Reference: KB = 25 @ 3357.0usft
MD Reference: KB = 25 @ 3357.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	
186.0	1.14	165.26	186.0	-1.8	0.5	0.61	0.61	0.00	-1.9	0.0	
303.0	1.32	164.21	303.0	-4.2	1.1	0.16	0.15	-0.90	-4.4	-0.1	
391.0	1.14	164.38	390.9	-6.0	1.6	0.20	-0.20	0.19	-6.3	0.0	
565.0	0.88	163.94	564.9	-9.0	2.5	0.15	-0.15	-0.25	-9.3	-0.1	
665.0	0.88	162.97	664.9	-10.5	2.9	0.01	0.00	-0.97	-10.8	-0.3	
760.0	1.06	159.28	759.9	-12.0	3.4	0.20	0.19	-3.88	-12.4	-1.0	
856.0	1.06	163.24	855.9	-13.7	4.0	0.08	0.00	4.12	-14.2	-0.1	
951.0	0.79	170.71	950.9	-15.1	4.4	0.31	-0.28	7.86	-15.6	1.9	
1,110.0	0.53	177.04	1,109.8	-17.0	4.6	0.17	-0.16	3.98	-17.2	3.7	
1,236.0	0.97	221.42	1,235.8	-18.3	3.9	0.55	0.35	35.22	-11.2	15.1	
1,331.0	3.52	182.49	1,330.8	-21.9	3.3	2.98	2.68	-40.98	-21.5	4.1	
1,427.0	5.63	166.31	1,426.5	-29.4	4.2	2.56	2.20	-16.85	-26.7	-3.1	
1,522.0	6.77	152.52	1,520.9	-38.9	7.9	1.97	1.20	-14.52	-29.6	-9.5	
1,618.0	6.95	153.13	1,616.2	-49.1	13.2	0.20	0.19	0.64	-32.3	-7.7	
1,713.0	7.03	154.54	1,710.5	-59.5	18.3	0.20	0.08	1.48	-33.9	-5.5	
1,808.0	7.47	157.17	1,804.7	-70.4	23.2	0.58	0.46	2.77	-35.9	-2.8	
1,904.0	7.65	157.79	1,899.9	-82.1	28.0	0.21	0.19	0.65	-38.3	-1.6	
2,000.0	7.47	160.16	1,995.1	-93.8	32.5	0.37	-0.19	2.47	-40.6	0.6	
2,096.0	7.56	162.54	2,090.3	-105.7	36.5	0.34	0.09	2.48	-42.8	2.4	
2,191.0	7.47	163.15	2,184.4	-117.6	40.2	0.13	-0.09	0.64	-45.0	2.7	
2,287.0	7.56	151.02	2,279.6	-129.1	45.1	1.65	0.09	-12.64	-46.8	-6.1	
2,382.0	7.56	149.26	2,373.8	-139.9	51.3	0.24	0.00	-1.85	-49.2	-5.5	
2,478.0	7.56	148.65	2,469.0	-150.8	57.8	0.08	0.00	-0.64	-51.7	-3.7	
2,574.0	7.65	146.36	2,564.1	-161.5	64.6	0.33	0.09	-2.39	-54.3	-3.3	
2,669.0	7.91	144.08	2,658.2	-172.0	72.0	0.42	0.27	-2.40	-57.2	-2.5	
2,765.0	7.39	149.44	2,753.4	-182.7	79.0	0.92	-0.54	5.58	-59.9	5.6	



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #704H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3357.0usft
Site:	Vaca 24 Fed Com	MD Reference:	KB = 25 @ 3357.0usft
Well:	#704H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
2,861.0	7.12	150.93	2,848.6	-193.2	85.0	0.34	-0.28	1.55	-61.7	9.3
2,957.0	7.21	148.03	2,943.9	-203.5	91.1	0.39	0.09	-3.02	-64.1	8.4
3,052.0	7.21	145.66	3,038.1	-213.5	97.6	0.31	0.00	-2.49	-66.5	8.4
3,148.0	7.39	141.35	3,133.3	-223.3	104.9	0.60	0.19	-4.49	-69.4	6.5
3,243.0	7.39	145.75	3,227.6	-233.1	112.1	0.60	0.00	4.63	-71.1	15.1
3,339.0	7.03	148.21	3,322.8	-243.2	118.7	0.49	-0.37	2.56	-72.4	20.9
3,435.0	6.68	154.71	3,418.1	-253.3	124.2	0.89	-0.36	6.77	-70.8	30.9
3,531.0	6.68	154.19	3,513.5	-263.3	129.0	0.06	0.00	-0.54	-72.0	31.6
3,626.0	6.68	162.10	3,607.8	-273.6	133.1	0.97	0.00	8.33	-67.8	41.8
3,722.0	7.21	166.23	3,703.1	-284.7	136.2	0.76	0.55	4.30	-65.9	46.2
3,818.0	7.12	167.46	3,798.4	-296.4	139.0	0.19	-0.09	1.28	-66.6	46.7
3,913.0	6.24	159.46	3,892.7	-307.0	142.1	1.35	-0.93	-8.42	-73.2	36.7
4,009.0	5.63	150.76	3,988.2	-316.0	146.2	1.13	-0.64	-9.06	-77.7	26.5
4,105.0	5.80	165.35	4,083.7	-324.8	149.7	1.52	0.18	15.20	-67.6	45.6
4,199.0	5.63	171.50	4,177.3	-333.9	151.6	0.68	-0.18	6.54	-61.8	51.4
4,295.0	5.72	156.73	4,272.8	-343.0	154.2	1.52	0.09	-15.39	-71.8	33.8
4,390.0	7.03	147.59	4,367.2	-352.2	159.2	1.74	1.38	-9.62	-76.8	23.8
4,486.0	8.00	142.06	4,462.4	-362.5	166.4	1.26	1.01	-5.76	-81.6	19.3
4,582.0	8.00	138.28	4,557.5	-372.7	175.0	0.55	0.00	-3.94	-86.6	17.6
4,678.0	6.60	153.48	4,652.7	-382.6	181.9	2.47	-1.46	15.83	-80.8	42.8
4,773.0	7.74	151.29	4,746.9	-393.1	187.4	1.23	1.20	-2.31	-84.1	41.4
4,869.0	7.83	162.62	4,842.1	-405.1	192.5	1.60	0.09	11.80	-77.0	58.2
4,965.0	7.91	161.13	4,937.2	-417.5	196.6	0.23	0.08	-1.55	-81.3	56.2
5,061.0	6.68	162.62	5,032.4	-429.1	200.4	1.30	-1.28	1.55	-81.7	58.3
5,157.0	5.45	164.91	5,127.8	-438.9	203.2	1.31	-1.28	2.39	-79.2	61.2
5,253.0	4.75	165.61	5,223.5	-447.1	205.4	0.73	-0.73	0.73	-76.6	61.5
5,348.0	5.28	168.42	5,318.1	-455.2	207.2	0.61	0.56	2.96	-71.7	64.2



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #704H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3357.0usft
Site:	Vaca 24 Fed Com	MD Reference:	KB = 25 @ 3357.0usft
Well:	#704H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
5,444.0	5.36	167.98	5,413.7	-463.9	209.1	0.09	0.08	-0.46	-70.8	62.6
5,540.0	5.01	168.34	5,509.3	-472.4	210.8	0.37	-0.36	0.37	-68.8	61.9
5,635.0	6.16	173.43	5,603.8	-481.5	212.3	1.32	1.21	5.36	-62.3	66.0
5,731.0	6.42	175.10	5,699.3	-492.0	213.3	0.33	0.27	1.74	-60.8	65.6
5,827.0	7.03	165.17	5,794.6	-503.0	215.3	1.37	0.64	-10.34	-72.0	52.7
5,922.0	7.56	159.99	5,888.8	-514.5	218.9	0.89	0.56	-5.45	-78.3	45.8
6,018.0	7.39	160.43	5,984.0	-526.3	223.1	0.19	-0.18	0.46	-80.1	46.8
6,113.0	6.95	160.34	6,078.3	-537.4	227.1	0.46	-0.46	-0.09	-81.8	46.9
6,209.0	6.51	158.76	6,173.6	-548.0	231.0	0.50	-0.46	-1.65	-84.0	45.0
6,305.0	6.42	157.44	6,269.0	-558.0	235.1	0.18	-0.09	-1.37	-85.5	43.8
6,401.0	6.42	157.70	6,364.4	-567.9	239.2	0.03	0.00	0.27	-85.8	45.0
6,497.0	6.07	157.00	6,459.8	-577.6	243.2	0.37	-0.36	-0.73	-86.5	44.7
6,592.0	5.54	163.77	6,554.3	-586.6	246.4	0.91	-0.56	7.13	-80.0	54.8
6,687.0	4.92	165.96	6,648.9	-594.9	248.7	0.69	-0.65	2.31	-76.3	57.3
6,783.0	4.04	162.54	6,744.7	-602.2	250.7	0.96	-0.92	-3.56	-76.7	52.3
6,879.0	4.57	158.67	6,840.4	-609.0	253.1	0.63	0.55	-4.03	-76.9	47.4
6,975.0	3.34	162.36	6,936.2	-615.2	255.4	1.31	-1.28	3.84	-70.0	52.4
7,070.0	2.02	167.54	7,031.0	-619.5	256.6	1.41	-1.39	5.45	-59.1	57.8
7,166.0	1.93	164.02	7,127.0	-622.7	257.4	0.16	-0.09	-3.67	-55.5	53.6
7,262.0	0.70	186.78	7,223.0	-624.8	257.7	1.37	-1.28	23.71	-23.1	67.2
7,358.0	0.18	294.89	7,319.0	-625.3	257.5	0.81	-0.54	112.61	64.0	-5.9
7,454.0	0.18	284.96	7,415.0	-625.2	257.2	0.03	0.00	-10.34	58.1	-3.4
7,550.0	0.18	254.55	7,511.0	-625.2	257.0	0.10	0.00	-31.68	51.2	18.2
7,645.0	0.26	272.30	7,606.0	-625.2	256.6	0.11	0.08	18.68	52.1	-3.0
7,741.0	0.26	242.07	7,702.0	-625.3	256.2	0.14	0.00	-31.49	46.5	21.7
7,836.0	0.53	226.42	7,797.0	-625.7	255.7	0.30	0.28	-16.47	38.3	33.3
7,932.0	0.62	226.69	7,893.0	-626.4	255.0	0.09	0.09	0.28	37.5	33.1



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #704H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3357.0usft
Site:	Vaca 24 Fed Com	MD Reference:	KB = 25 @ 3357.0usft
Well:	#704H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
8,028.0	0.35	225.46	7,988.9	-627.0	254.4	0.28	-0.28	-1.28	35.9	33.9
8,123.0	0.44	210.78	8,083.9	-627.5	254.0	0.14	0.09	-15.45	25.5	41.8
8,219.0	0.35	172.63	8,179.9	-628.1	253.8	0.28	-0.09	-39.74	-6.4	48.4
8,315.0	0.44	180.98	8,275.9	-628.8	253.9	0.11	0.09	8.70	0.1	48.9
8,411.0	0.35	152.95	8,371.9	-629.4	254.0	0.22	-0.09	-29.20	-23.5	43.0
8,507.0	0.62	179.49	8,467.9	-630.2	254.1	0.36	0.28	27.65	-2.6	49.1
8,602.0	0.79	177.47	8,562.9	-631.3	254.2	0.18	0.18	-2.13	-5.5	49.0
8,698.0	0.88	172.19	8,658.9	-632.7	254.3	0.12	0.09	-5.50	-11.4	48.2
8,794.0	1.06	159.89	8,754.9	-634.3	254.7	0.29	0.19	-12.81	-23.0	44.5
8,889.0	1.23	161.12	8,849.9	-636.1	255.3	0.18	0.18	1.29	-23.9	45.0
8,985.0	0.88	165.43	8,945.9	-637.8	255.9	0.37	-0.36	4.49	-22.2	46.8
9,081.0	0.88	174.13	9,041.9	-639.2	256.1	0.14	0.00	9.06	-16.4	49.7
9,177.0	1.06	171.23	9,137.8	-640.8	256.3	0.19	0.19	-3.02	-20.5	48.8
9,273.0	0.97	176.24	9,233.8	-642.5	256.5	0.13	-0.09	5.22	-17.9	50.5
9,369.0	0.79	149.96	9,329.8	-643.9	256.9	0.46	-0.19	-27.37	-39.7	37.0
9,464.0	1.58	143.10	9,424.8	-645.5	258.0	0.84	0.83	-7.22	-45.8	31.9
9,560.0	1.67	133.26	9,520.8	-647.5	259.8	0.30	0.09	-10.25	-53.3	23.4
9,656.0	1.32	144.86	9,616.7	-649.4	261.5	0.48	-0.36	12.08	-50.0	33.9
9,751.0	0.53	181.33	9,711.7	-650.7	262.1	1.00	-0.83	38.39	-21.4	57.6
9,847.0	0.88	71.29	9,807.7	-650.9	262.8	1.22	0.36	-114.62	-47.4	-40.3
9,943.0	1.85	68.92	9,903.7	-650.1	264.9	1.01	1.01	-2.47	-48.0	-42.2
10,039.0	0.79	328.02	9,999.7	-649.0	266.0	2.23	-1.10	-105.10	50.2	-40.6
10,134.0	1.58	312.73	10,094.6	-647.6	264.7	0.89	0.83	-16.09	57.2	-26.2
10,230.0	2.46	313.79	10,190.6	-645.3	262.3	0.92	0.92	1.10	53.3	-27.2
10,326.0	2.64	314.14	10,286.5	-642.3	259.2	0.19	0.19	0.36	48.8	-27.5
10,422.0	1.93	319.41	10,382.4	-639.5	256.6	0.77	-0.74	5.49	42.3	-31.7
10,517.0	0.88	308.95	10,477.4	-637.8	255.0	1.13	-1.11	-11.01	45.0	-23.7



EOG Resources

Midland PVA

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Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3357.0usft
Site:	Vaca 24 Fed Com	MD Reference:	KB = 25 @ 3357.0usft
Well:	#704H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
10,613.0	0.88	280.30	10,573.4	-637.3	253.7	0.45	0.00	-29.84	49.5	0.4
10,709.0	0.79	245.58	10,669.4	-637.4	252.3	0.53	-0.09	-36.17	39.2	28.1
10,805.0	0.88	291.55	10,765.3	-637.4	251.0	0.68	0.09	47.89	46.3	-8.2
10,900.0	1.23	208.32	10,860.3	-638.0	249.9	1.50	0.37	-87.61	12.5	44.3
10,996.0	1.32	263.69	10,956.3	-639.1	248.3	1.24	0.09	57.68	41.8	15.7
11,092.0	1.14	306.58	11,052.3	-638.6	246.4	0.95	-0.19	44.68	39.6	-16.2
11,188.0	1.85	298.23	11,148.3	-637.3	244.3	0.77	0.74	-8.70	39.0	-10.4
11,283.0	1.58	301.83	11,243.2	-635.9	241.8	0.31	-0.28	3.79	35.4	-12.7
11,379.0	1.06	307.81	11,339.2	-634.6	240.0	0.56	-0.54	6.23	31.7	-16.2
11,474.0	1.06	304.82	11,434.2	-633.6	238.6	0.06	0.00	-3.15	30.8	-14.6
11,570.0	1.06	269.31	11,530.2	-633.1	237.0	0.67	0.00	-36.99	31.9	5.5
11,666.0	2.11	255.69	11,626.1	-633.6	234.4	1.15	1.09	-14.19	27.1	12.6
11,729.0	1.76	256.92	11,689.1	-634.1	232.3	0.56	-0.56	1.95	25.2	12.1
11,837.0	1.76	245.41	11,797.0	-635.1	229.2	0.33	0.00	-10.66	19.0	16.5
11,932.0	1.58	251.29	11,892.0	-636.2	226.6	0.26	-0.19	6.19	17.8	14.7
12,015.0	1.56	273.40	11,975.0	-636.5	224.4	0.73	-0.02	26.64	19.9	7.3
KOP, MD:12015.0', TVD:11975.0',N/S:-636.5', E/W:224.4', INC:1.56										
12,028.0	1.58	276.78	11,988.0	-636.4	224.0	0.73	0.14	26.00	19.9	6.1
12,124.0	2.64	290.76	12,083.9	-635.5	220.7	1.22	1.10	14.56	19.2	6.2
12,220.0	16.80	349.64	12,178.4	-621.0	216.1	16.25	14.75	61.33	23.0	-7.5
12,315.0	37.72	352.98	12,262.4	-578.1	210.0	22.07	22.02	3.52	18.3	-3.6
12,315.7	37.85	352.94	12,262.9	-577.7	209.9	19.09	18.71	-6.23	18.2	-3.5
FTP Crossing, MD:12315.7', TVD:12262.9',N/S:-577.7', E/W:209.9', INC:37.85										
12,409.0	55.40	348.68	12,326.8	-511.1	198.8	19.09	18.81	-4.56	0.2	5.4
12,505.0	67.36	352.19	12,372.7	-428.2	185.0	12.86	12.46	3.66	-23.8	17.2
12,601.0	75.71	0.63	12,403.1	-337.4	179.4	12.04	8.70	8.79	-44.2	24.0
12,697.0	77.91	1.77	12,425.0	-244.0	181.4	2.57	2.29	1.19	-54.4	21.1



EOG Resources

Midland PVA

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Site:	Vaca 24 Fed Com	MD Reference:	KB = 25 @ 3357.0usft
Well:	#704H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
12,792.0	82.39	2.74	12,441.3	-150.5	185.1	4.82	4.72	1.02	-48.7	16.4
12,888.0	84.42	2.92	12,452.3	-55.3	189.8	2.12	2.11	0.19	-37.7	10.9
12,984.0	85.12	2.92	12,461.0	40.2	194.7	0.73	0.73	0.00	-28.9	5.2
13,080.0	88.20	1.69	12,466.6	136.0	198.5	3.45	3.21	-1.28	-23.3	0.6
13,176.0	88.90	2.04	12,469.0	231.9	201.6	0.82	0.73	0.36	-20.9	-3.2
13,271.0	87.14	1.60	12,472.3	326.8	204.6	1.91	-1.85	-0.46	-17.6	-7.0
13,367.0	87.67	1.60	12,476.7	422.6	207.3	0.55	0.55	0.00	-13.3	-10.4
13,463.0	87.58	0.19	12,480.7	518.5	208.8	1.47	-0.09	-1.47	-9.3	-12.6
13,559.0	88.37	358.87	12,484.0	614.5	208.0	1.60	0.82	-1.37	-5.9	-12.6
13,655.0	90.04	1.33	12,485.4	710.4	208.2	3.10	1.74	2.56	-4.6	-13.5
13,751.0	87.67	0.72	12,487.3	806.4	209.9	2.55	-2.47	-0.64	-2.7	-15.9
13,846.0	89.52	1.95	12,489.6	901.3	212.1	2.34	1.95	1.29	-0.3	-18.9
13,942.0	88.20	2.30	12,491.5	997.3	215.7	1.42	-1.37	0.36	1.5	-23.2
14,037.0	88.37	0.72	12,494.4	1,092.2	218.2	1.67	0.18	-1.66	4.4	-26.4
14,133.0	90.04	358.26	12,495.7	1,188.2	217.3	3.10	1.74	-2.56	5.7	-26.3
14,229.0	90.04	1.07	12,495.6	1,284.1	216.8	2.93	0.00	2.93	5.7	-26.5
14,324.0	89.08	357.64	12,496.4	1,379.1	215.7	3.75	-1.01	-3.61	6.4	-26.1
14,420.0	90.48	356.68	12,496.7	1,475.0	210.9	1.77	1.46	-1.00	6.8	-22.1
14,516.0	92.51	358.79	12,494.2	1,570.9	207.2	3.05	2.11	2.20	4.3	-19.1
14,612.0	88.99	357.99	12,493.0	1,666.8	204.5	3.76	-3.67	-0.83	3.0	-17.1
14,707.0	90.66	357.64	12,493.3	1,761.7	200.8	1.80	1.76	-0.37	3.3	-14.2
14,803.0	89.16	357.03	12,493.4	1,857.6	196.4	1.69	-1.56	-0.64	3.5	-10.5
14,899.0	90.22	357.82	12,493.9	1,953.5	192.1	1.38	1.10	0.82	4.0	-6.9
14,995.0	89.52	0.02	12,494.2	2,049.5	190.3	2.40	-0.73	2.29	4.2	-5.8
15,090.0	90.31	359.49	12,494.3	2,144.5	189.8	1.00	0.83	-0.56	4.3	-6.1
15,186.0	93.39	359.93	12,491.2	2,240.4	189.4	3.24	3.21	0.46	1.2	-6.4
15,282.0	92.95	0.54	12,485.9	2,336.3	189.8	0.78	-0.46	0.64	-4.1	-7.5



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #704H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3357.0usft
Site:	Vaca 24 Fed Com	MD Reference:	KB = 25 @ 3357.0usft
Well:	#704H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
15,378.0	90.57	2.48	12,482.9	2,432.2	192.3	3.20	-2.48	2.02	-7.0	-10.8	
15,473.0	89.16	1.33	12,483.2	2,527.2	195.4	1.92	-1.48	-1.21	-6.8	-14.7	
15,569.0	88.81	359.75	12,484.9	2,623.1	196.3	1.69	-0.36	-1.65	-5.1	-16.3	
15,665.0	87.32	358.17	12,488.1	2,719.1	194.6	2.26	-1.55	-1.65	-1.9	-15.3	
15,761.0	87.32	357.73	12,492.6	2,814.9	191.2	0.46	0.00	-0.46	2.6	-12.6	
15,857.0	88.72	358.79	12,495.9	2,910.8	188.3	1.83	1.46	1.10	5.9	-10.4	
15,952.0	88.64	356.93	12,498.1	3,005.7	184.7	1.96	-0.08	-1.96	8.1	-7.6	
16,048.0	89.96	357.02	12,499.3	3,101.5	179.6	1.38	1.37	0.09	9.3	-3.3	
16,144.0	91.89	358.34	12,497.7	3,197.4	175.8	2.44	2.01	1.37	7.7	-0.2	
16,239.0	88.99	357.11	12,497.0	3,292.4	172.0	3.32	-3.05	-1.29	7.0	2.9	
16,335.0	90.13	358.25	12,497.7	3,388.3	168.1	1.68	1.19	1.19	7.8	6.0	
16,431.0	91.28	357.11	12,496.6	3,484.2	164.2	1.69	1.20	-1.19	6.6	9.2	
16,527.0	91.01	358.25	12,494.6	3,580.1	160.3	1.22	-0.28	1.19	4.7	12.3	
16,622.0	91.98	2.55	12,492.2	3,675.0	161.0	4.64	1.02	4.53	2.2	10.9	
16,718.0	88.90	0.88	12,491.4	3,771.0	163.9	3.65	-3.21	-1.74	1.4	7.3	
16,814.0	89.34	359.92	12,492.9	3,866.9	164.5	1.10	0.46	-1.00	2.9	5.9	
16,910.0	92.68	0.01	12,491.2	3,962.9	164.5	3.48	3.48	0.09	1.2	5.2	
17,005.0	88.55	358.86	12,490.2	4,057.9	163.5	4.51	-4.35	-1.21	0.2	5.5	
17,101.0	90.13	2.29	12,491.3	4,153.9	164.5	3.93	1.65	3.57	1.3	3.8	
17,197.0	91.19	3.78	12,490.2	4,249.7	169.6	1.90	1.10	1.55	0.2	-2.1	
17,293.0	90.75	3.43	12,488.6	4,345.5	175.6	0.59	-0.46	-0.36	-1.4	-8.8	
17,389.0	89.69	2.38	12,488.2	4,441.4	180.5	1.55	-1.10	-1.09	-1.8	-14.4	
17,484.0	88.11	1.06	12,490.0	4,536.3	183.3	2.17	-1.66	-1.39	0.0	-18.0	
17,580.0	91.54	2.29	12,490.3	4,632.3	186.1	3.80	3.57	1.28	0.3	-21.6	
17,676.0	89.87	3.26	12,489.1	4,728.1	190.8	2.01	-1.74	1.01	-0.9	-26.9	
17,772.0	88.64	2.38	12,490.4	4,824.0	195.5	1.58	-1.28	-0.92	0.3	-32.4	
17,867.0	87.85	357.28	12,493.3	4,918.9	195.2	5.43	-0.83	-5.37	3.3	-32.8	



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #704H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3357.0usft
Site:	Vaca 24 Fed Com	MD Reference:	KB = 25 @ 3357.0usft
Well:	#704H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
17,963.0	87.93	357.11	12,496.8	5,014.8	190.5	0.20	0.08	-0.18	6.9	-28.9
18,059.0	90.13	357.72	12,498.4	5,110.6	186.2	2.38	2.29	0.64	8.7	-25.3
18,155.0	87.67	354.91	12,500.3	5,206.4	180.0	3.89	-2.56	-2.93	10.8	-19.8
18,279.0	89.34	356.93	12,503.5	5,330.0	171.2	2.11	1.35	1.63	14.2	-12.0
18,375.0	92.15	357.63	12,502.3	5,425.9	166.7	3.02	2.93	0.73	13.2	-8.2
18,470.0	93.21	358.07	12,497.8	5,520.7	163.1	1.21	1.12	0.46	8.9	-5.4
18,566.0	92.77	358.51	12,492.8	5,616.6	160.3	0.65	-0.46	0.46	4.1	-3.2
18,662.0	92.33	358.16	12,488.6	5,712.4	157.5	0.59	-0.46	-0.36	0.0	-1.2
18,758.0	92.24	358.34	12,484.7	5,808.3	154.5	0.21	-0.09	0.19	-3.6	1.0
18,854.0	88.72	358.78	12,483.9	5,904.3	152.1	3.70	-3.67	0.46	-4.2	2.7
18,950.0	89.08	358.51	12,485.8	6,000.2	149.9	0.47	0.37	-0.28	-2.1	4.2
19,046.0	87.49	359.30	12,488.6	6,096.1	148.0	1.85	-1.66	0.82	0.9	5.3
19,142.0	88.02	359.30	12,492.4	6,192.1	146.8	0.55	0.55	0.00	4.9	5.7
19,238.0	88.46	359.92	12,495.3	6,288.0	146.2	0.79	0.46	0.65	8.0	5.6
19,333.0	88.90	0.27	12,497.5	6,383.0	146.4	0.59	0.46	0.37	10.4	4.8
19,429.0	89.52	0.80	12,498.9	6,479.0	147.2	0.85	0.65	0.55	12.0	3.1
19,525.0	89.78	0.71	12,499.4	6,575.0	148.5	0.29	0.27	-0.09	12.7	1.1
19,621.0	90.31	0.80	12,499.4	6,671.0	149.8	0.56	0.55	0.09	12.9	-0.9
19,716.0	91.10	0.80	12,498.2	6,765.9	151.1	0.83	0.83	0.00	11.9	-2.9
19,812.0	91.71	0.88	12,495.9	6,861.9	152.5	0.64	0.64	0.08	9.7	-5.1
19,908.0	89.34	359.92	12,495.0	6,957.9	153.2	2.66	-2.47	-1.00	9.1	-6.5
20,004.0	89.52	359.83	12,495.9	7,053.9	153.0	0.21	0.19	-0.09	10.2	-7.0
20,099.0	89.08	359.74	12,497.1	7,148.9	152.6	0.47	-0.46	-0.09	11.6	-7.4
20,195.0	89.78	0.01	12,498.0	7,244.9	152.4	0.78	0.73	0.28	12.7	-7.9
20,291.0	90.75	0.45	12,497.6	7,340.9	152.8	1.11	1.01	0.46	12.5	-9.1
20,387.0	91.19	0.88	12,496.0	7,436.8	153.9	0.64	0.46	0.45	11.1	-10.9
20,483.0	90.13	358.34	12,494.9	7,532.8	153.3	2.87	-1.10	-2.65	10.2	-11.0



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #704H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3357.0usft
Site:	Vaca 24 Fed Com	MD Reference:	KB = 25 @ 3357.0usft
Well:	#704H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
20,578.0	90.66	358.78	12,494.2	7,627.8	150.9	0.73	0.56	0.46	9.7	-9.3	
20,674.0	90.13	359.21	12,493.5	7,723.8	149.2	0.71	-0.55	0.45	9.3	-8.4	
20,770.0	90.57	359.13	12,493.0	7,819.8	147.8	0.47	0.46	-0.08	8.9	-7.7	
20,865.0	91.54	359.92	12,491.2	7,914.7	147.0	1.32	1.02	0.83	7.3	-7.7	
20,961.0	89.87	359.21	12,490.0	8,010.7	146.3	1.89	-1.74	-0.74	6.3	-7.7	
21,057.0	89.08	358.07	12,490.9	8,106.7	144.0	1.44	-0.82	-1.19	7.4	-6.2	
21,152.0	88.99	358.25	12,492.5	8,201.6	140.9	0.21	-0.09	0.19	9.2	-3.8	
21,248.0	89.43	358.16	12,493.8	8,297.6	137.9	0.47	0.46	-0.09	10.7	-1.6	
21,344.0	90.31	359.21	12,494.1	8,393.5	135.7	1.43	0.92	1.09	11.2	-0.1	
21,439.0	89.25	358.78	12,494.4	8,488.5	134.1	1.20	-1.12	-0.45	11.7	0.8	
21,535.0	89.52	359.13	12,495.4	8,584.5	132.3	0.46	0.28	0.36	13.0	1.8	
21,631.0	90.04	359.04	12,495.8	8,680.5	130.8	0.55	0.54	-0.09	13.5	2.6	
21,727.0	89.96	359.39	12,495.8	8,776.5	129.5	0.37	-0.08	0.36	13.7	3.2	
21,822.0	91.28	359.92	12,494.8	8,871.5	128.9	1.50	1.39	0.56	12.9	3.1	
21,918.0	92.15	0.09	12,491.9	8,967.4	128.9	0.92	0.91	0.18	10.2	2.3	
22,014.0	91.98	359.57	12,488.5	9,063.4	128.6	0.57	-0.18	-0.54	7.0	1.8	
22,110.0	88.90	359.39	12,487.7	9,159.4	127.8	3.21	-3.21	-0.19	6.4	2.0	
22,205.0	89.25	359.30	12,489.3	9,254.3	126.7	0.38	0.37	-0.09	8.2	2.3	
22,300.0	89.34	358.95	12,490.4	9,349.3	125.2	0.38	0.09	-0.37	9.5	3.1	
22,396.0	88.90	358.86	12,491.9	9,445.3	123.4	0.47	-0.46	-0.09	11.2	4.2	
22,492.0	89.43	358.78	12,493.3	9,541.3	121.4	0.56	0.55	-0.08	12.8	5.4	
22,587.0	88.11	358.34	12,495.3	9,636.2	119.0	1.46	-1.39	-0.46	15.0	7.0	
22,665.0	88.11	358.34	12,497.9	9,714.1	116.8	0.00	0.00	0.00	17.8	8.7	
Last MWD Survey (MD=22665.0')											
22,724.0	88.11	358.34	12,499.9	9,773.1	115.1	0.00	0.00	0.00	19.8	10.0	
Projection to Bit (MD=22724.0')											



EOG Resources

Midland PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Vaca 24 Fed Com
Well: #704H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #704H
TVD Reference: KB = 25 @ 3357.0usft
MD Reference: KB = 25 @ 3357.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,015.0	11,975.0	-636.5	224.4	KOP, MD:12015.0', TVD:11975.0', N/S:-636.5', E/W:224.4', INC:1.56
12,315.7	12,262.9	-577.7	209.9	FTP Crossing, MD:12315.7', TVD:12262.9', N/S:-577.7', E/W:209.9', INC:37.85
22,665.0	12,497.9	9,714.1	116.8	Last MWD Survey (MD=22665.0')
22,724.0	12,499.9	9,773.1	115.1	Projection to Bit (MD=22724.0')

Checked By: _____ Approved By: _____ Date: _____

I CERTIFY THIS SURVEY TO BE TRUE AND CORRECT TO THE BEST OF MY BELIEF AND KNOWLEDGE.
 KAY MADDOX 06/28/2021



Lea County, NM (NAD 83 NME)

Vaca 24 Fed Com #704H

Plan #1

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

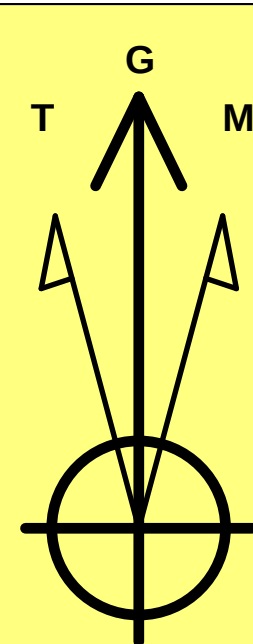
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #704H

KB = 25 @ 3357.0usft 3332.0
Northing 404916.00 Easting 790751.00 Latitude 32° 6' 38.272 N Longitude 103° 31' 40.028 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	1300.0	0.00	0.00	1300.0	0.0	0.0	0.00	0.00	0.0	
3	1608.9	6.18	161.92	1608.3	-15.8	5.2	2.00	161.92	-15.7	
4	7439.2	6.18	161.92	7404.7	-612.2	199.8	0.00	0.00	-609.6	
5	7748.0	0.00	0.00	7713.0	-628.0	205.0	2.00	180.00	-625.3	Brushy Top(Vaca 24 Fed Com #704H)
6	12047.5	0.00	0.00	12012.5	-628.0	205.0	0.00	0.00	-625.3	
7	12797.5	90.00	359.56	12490.0	-150.6	201.3	12.00	359.56	-148.0	
8	17946.5	90.00	359.56	12490.0	4998.3	161.8	0.00	0.00	5000.0	TGT#1(Vaca 24 Fed Com #704H)
9	17952.6	90.12	359.56	12490.0	5004.3	161.7	2.00	-0.44	5006.0	
10	22722.4	90.12	359.56	12480.0	9774.0	125.0	0.00	0.00	9774.8	PBHL(Vaca 24 Fed Com #704H)



Azimuths to Grid North
True North: -0.43°
Magnetic North: 6.13°

Magnetic Field
Strength: 47465.1nT
Dip Angle: 59.81°
Date: 2/18/2021
Model: IGRF2020

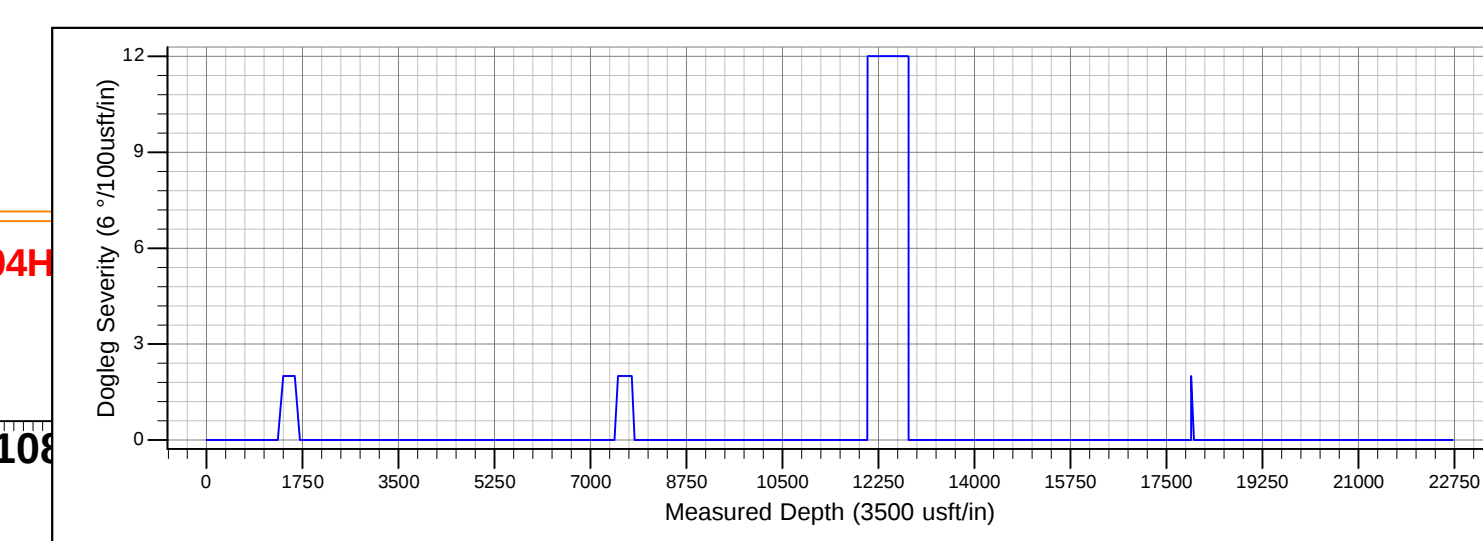
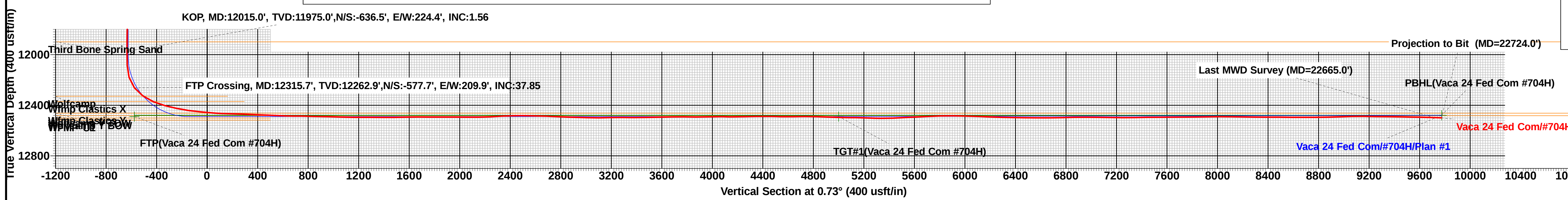
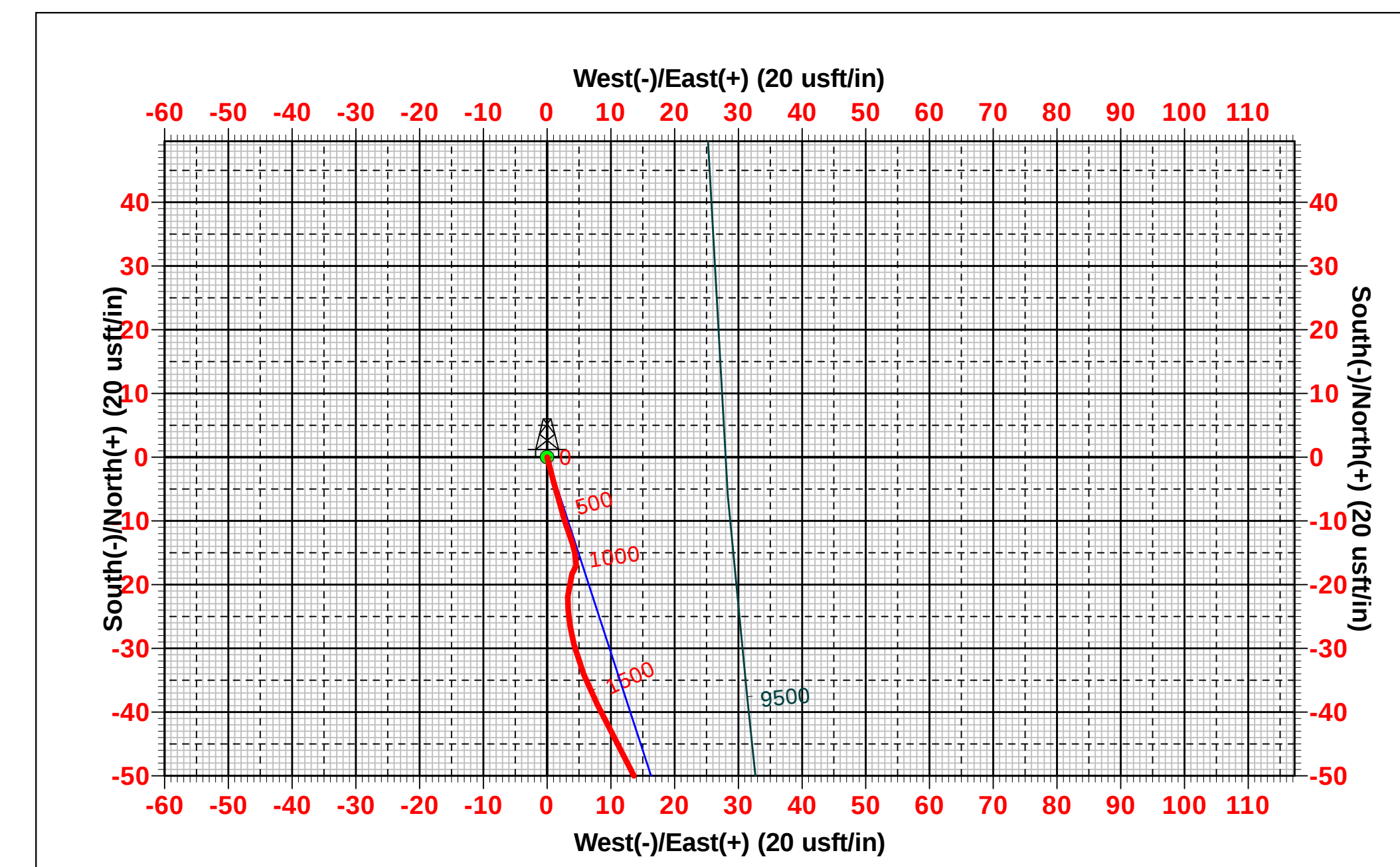
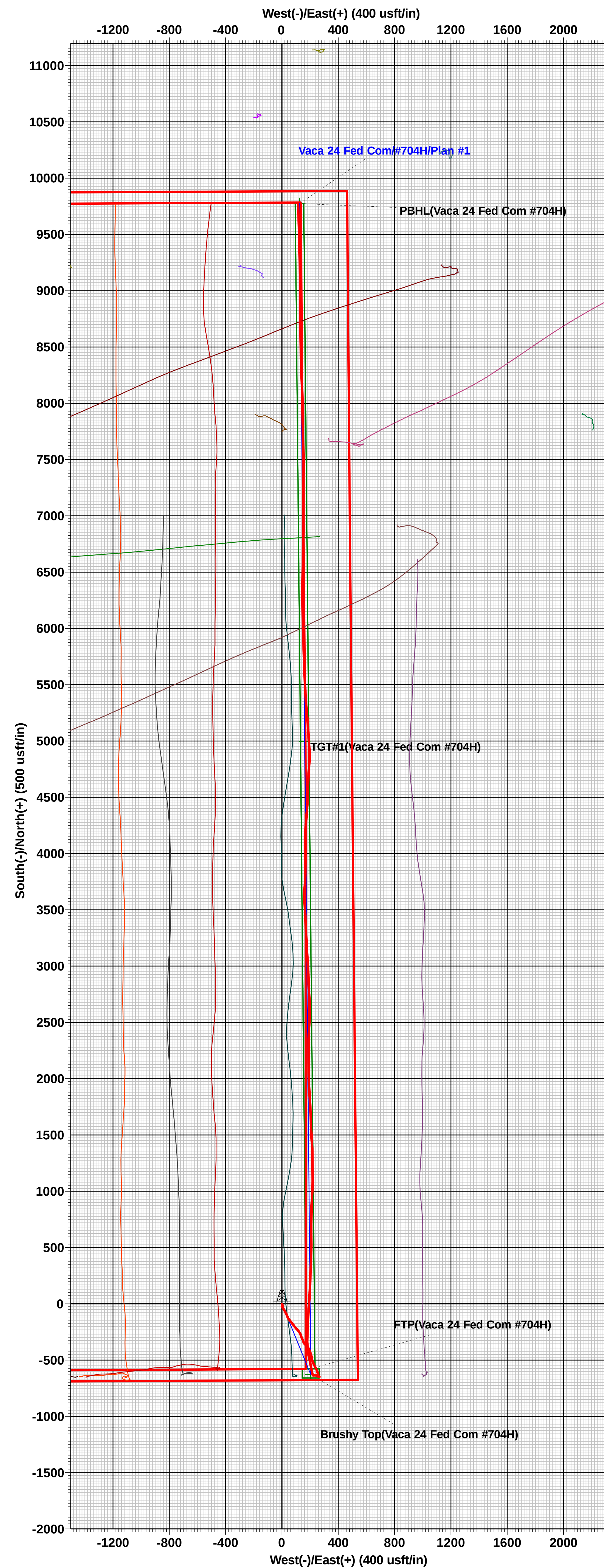
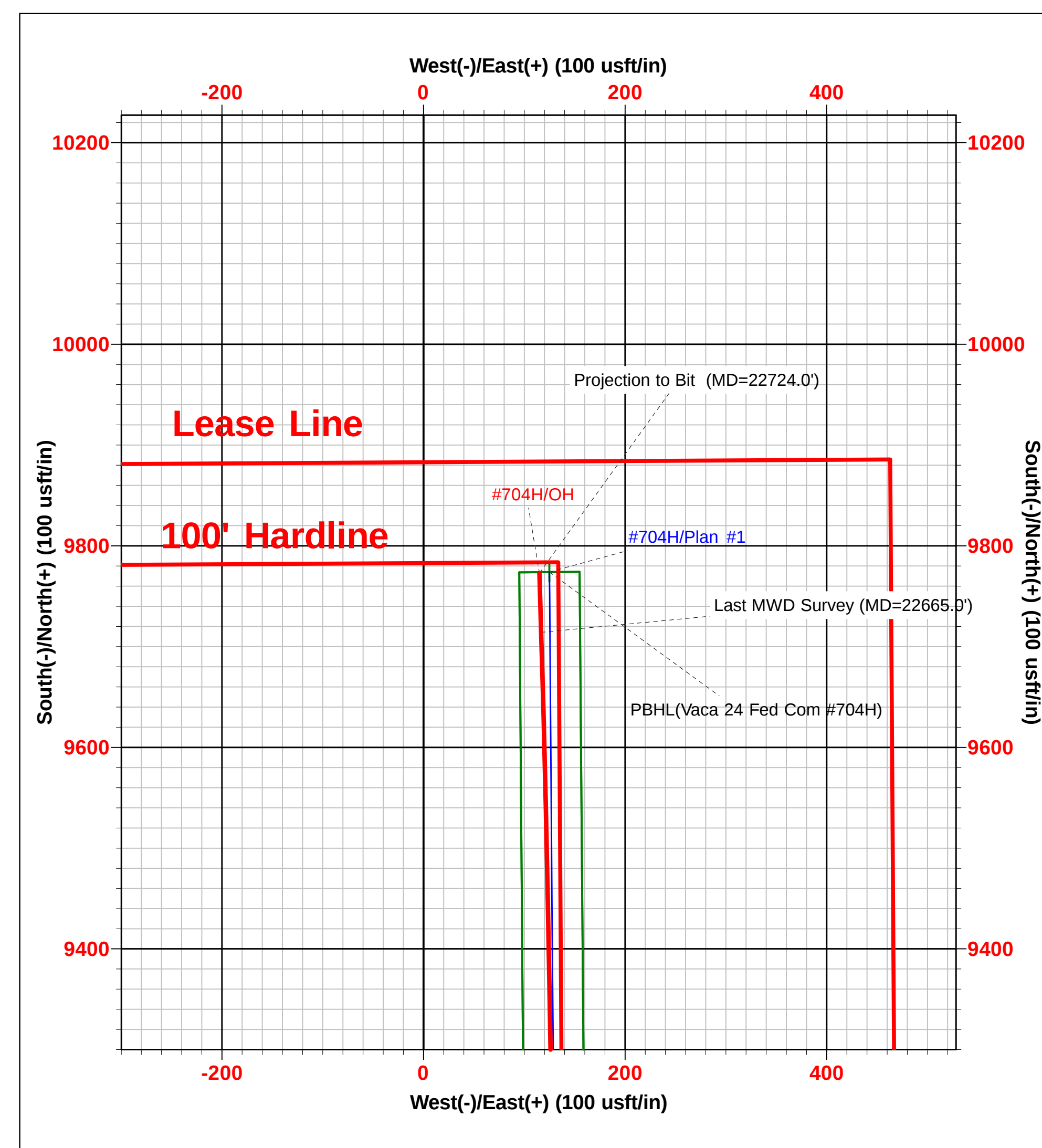
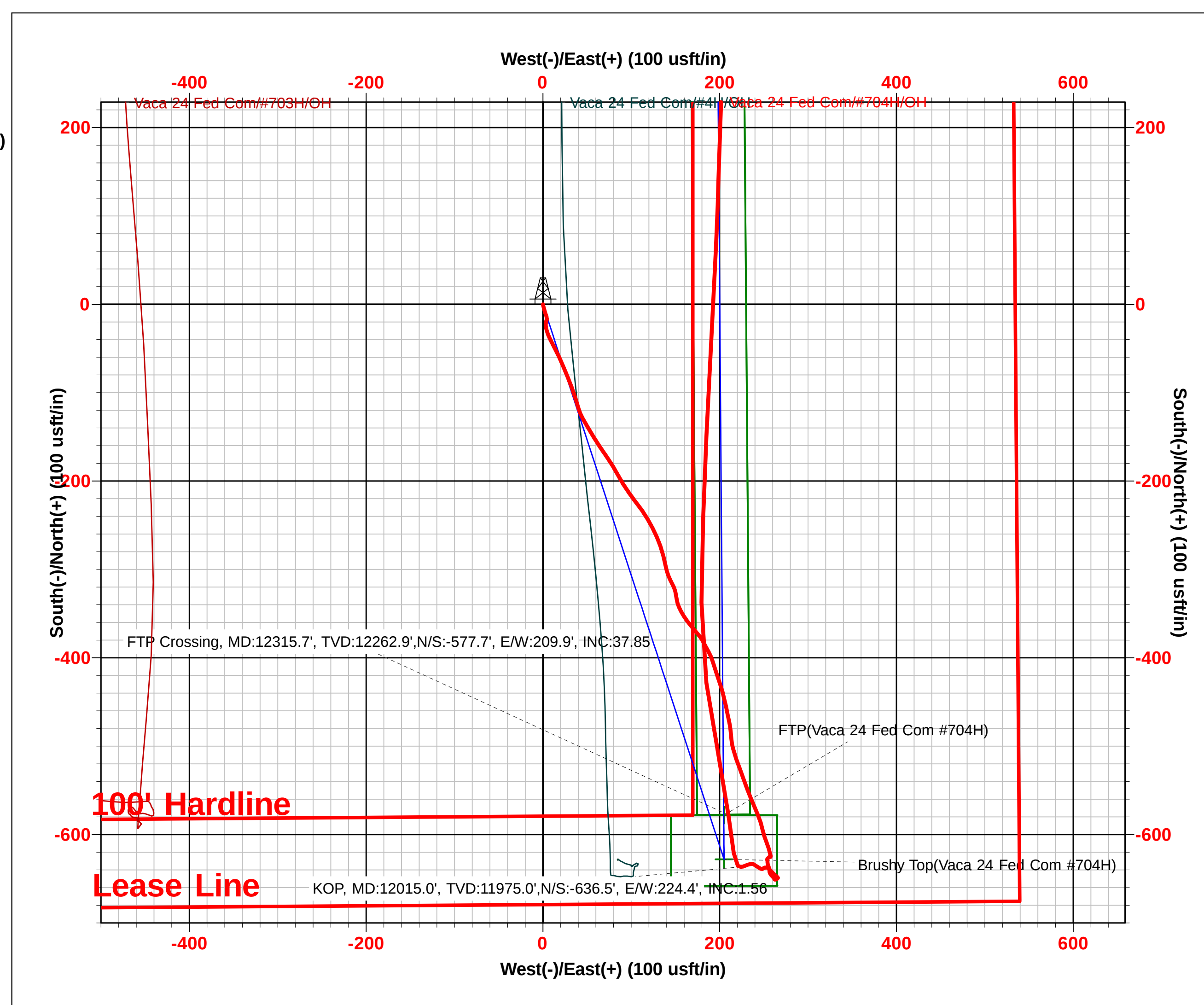
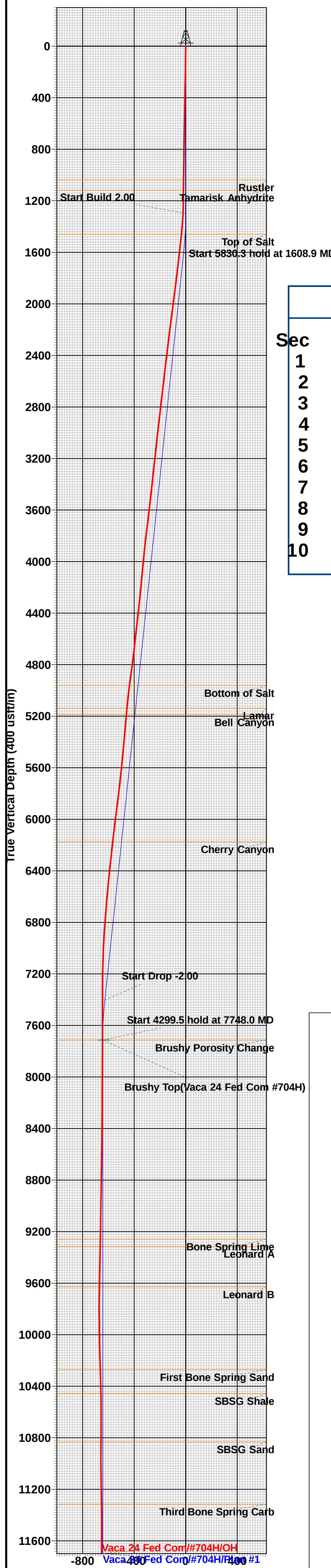
To convert a Magnetic Direction to a Grid Direction, Add 6.13°
To convert a Magnetic Direction to a True Direction, Add 6.55° East
To convert a True Direction to a Grid Direction, Subtract 0.43°

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
Brushy Top(Vaca 24 Fed Com #704H)	7713.0	-628.0	205.0	404288.00	790956.00
PBHL(Vaca 24 Fed Com #704H)	12480.0	9774.0	125.0	414690.00	790876.00
FTP(Vaca 24 Fed Com #704H)	12490.0	-578.0	205.0	404338.00	790956.00
TGT#1(Vaca 24 Fed Com #704H)	12490.0	4998.3	161.8	409914.30	790912.77



Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude			NAD	

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude			NAD	

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude			NAD	

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

Well Name: VACA 24 FED COM	Well Location: T25S / R33E / SEC 24 / SESW / 32.1106313 / -103.527786	County or Parish/State: LEA / NM
Well Number: 704H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM108504	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002546963	Well Status: Drilling Well	Operator: EOG RESOURCES INCORPORATED

Notification

Type of Submission:	Notification	Type of Action:	First Production				
Date Sundry Submitted:	Jun 29, 2021	Time Sundry Submitted:	1:53:48 PM				
First Production Date:	Jun 22, 2021	<table><tr><th>Wellbore Code</th><th>Completion Code</th></tr><tr><td>00</td><td>X1</td></tr></table>		Wellbore Code	Completion Code	00	X1
Wellbore Code	Completion Code						
00	X1						
US Well Number:	3002546963						
First Production Remarks:	02/10/2021 RIG RELEASED 03/03/2021 MIRU TEST VOID TO 5000 PSI, SEALS AND FLANGES TO 8500 PSI 05/03/2021 BEGIN PERF AND FRAC 05/15/2021 FINISH 36 STAGES PERF & FRAC, 12,535 – 22,697’ W/ 3 1/8” 2154 SHOTS, FRAC 24,681,689 LBS PROPPANT + 370,640 BBLS LOAD FLUID 05/18/2021 DRILLED OUT PLUGS AND CLEAN OUT WELLBORE 06/23/2021 OPENED WELL TO FLOWBACK – DATE OF FIRST PRODUCTION						
Disposition:	Accepted						
Accepted Date:	06/30/2021						

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised August 1, 2011					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								5. Lease Name or Unit Agreement Name		
								VACA 24 FEDERAL COM 6. Well Number: 704H		
7. Type of Completion:										
☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____										
8. Name of Operator						9. OGRID				
EOG RESOURCES INC						7377				
10. Address of Operator						11. Pool name or Wildcat				
PO BOX 2267 MIDLAND, TEXAS 79702						BOBCAT DRAW; UPPER WOLFCAMP				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	N	24	25S	33E		679'	SOUTH	2110'	WEST	LEA
BH:	C	13	25S	33E		108'	NORTH	2300'	WEST	LEA
13. Date Spudded	14. Date T.D. Reached		15. Date Rig Released			16. Date Completed (Ready to Produce)		17. Elevations (DF and RKB, RT, GR, etc.)		
01/08/2021	02/09/2021		02/10/2021			06/23/2021		3332' GL		
18. Total Measured Depth of Well			19. Plug Back Measured Depth			20. Was Directional Survey Made?		21. Type Electric and Other Logs Run		
MD 22,724' TVD 12,499'			MD 22,697' TVD 22,697'			YES		None		
22. Producing Interval(s), of this completion - Top, Bottom, Name										
WOLFCAMP 12,535 - 22,697'										
CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
9 5/8"		40# J-55		1175'		12 1/4"		530 CL C/CIRC		
7 5/8"		29.7# HCP 110		11,772'		8 3/4"		1523 CL C/ 81' ECHO		
5 1/2"		20# ECP 110		22,707'		6 3/4"		925 CL H/TOC 11,243' CBL		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
26. Perforation record (interval, size, and number)						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
12,535 - 22,697' 3 1/8", 2154 holes						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						12,535 - 22,697		FRAC W/24,681,689 lbs proppant, 370,640 bbls load fld		
PRODUCTION										
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)				
06/23/2021		Flowing				Producing				
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio			
06/28/2021	24	34		4282	6791	6178	1586			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)				
	3945					44				
29. Disposition of Gas (Sold, used for fuel, vented, etc.)								30. Test Witnessed By		
SOLD										
31. List Attachments										
C-102, C-104, C-103, Directional Survey, H spacing										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.										
33. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude _____				Longitude _____				NAD 1927 1983		
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature			Name			Title			Date	
Kay Maddox			Kay Maddox			Senior Regulatory Specialist			06/30/2021	
E-mail Address kay_maddox@eogresources.com										

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

Southeastern New Mexico			Northwestern New Mexico				
T. Anhy	Rustler	1038'	T. Canyon	Brushy	7713'	T. Ojo Alamo	T. Penn A "
T. Salt		1459'	T. Strawn			T. Kirtland	T. Penn. "B"
B. Salt		4961'	T. Atoka			T. Fruitland	T. Penn. "C"
T. Yates			T. Miss			T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers			T. Devonian			T. Cliff House	T. Leadville
T. Queen			T. Silurian			T. Menefee	T. Madison
T. Grayburg			T. Montoya			T. Point Lookout	T. Elbert
T. San Andres			T. Simpson			T. Mancos	T. McCracken
T. Glorieta			T. McKee			T. Gallup	T. Ignacio Otzte
T. Paddock			T. Ellenburger			Base Greenhorn	T. Granite
T. Blinebry			T. Gr. Wash			T. Dakota	
T. Tubb			T. Delaware Sand			T. Morrison	
T. Drinkard			T. Bone Springs			T. Todilto	
T. Abo			T. 1ST BONE SPRING SAND	10,271'		T. Entrada	
T. Wolfcamp	12,329'		T. 2ND BONE SPRING SAND	10,832'		T. Wingate	
T. Penn			T. 3RD BONE SPRING SAND	11,899		T. Chinle	
T. Cisco (Bough C)			T.			T. Permian	

No. 1, from.....to.....
 No. 2, from.....to.....
 No. 3, from.....to.....
 No. 4, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

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

ACKNOWLEDGMENTS

Action 34554

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 34554
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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 34554

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 34554
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	8/19/2021