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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND 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	5 Pool Name	6 Pool Code
30 - 025-46965	BOBCAT DRAW; UPPER WOLFCAMP	98094
7 Property Code	**8 Property Name**	**9 Well Number**
39180	VACA 24 FEDERAL COM	721H

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
O	24	25S	33E		618	SOUTH	2504	EAST	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
B	13	25S	33E		110	NORTH	1986	EAST	LEA

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date
	FLOWING				

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	22 Ready Date	23 TD	24 PBTD	25 Perforations	26 DHC, MC
01/08/2021	06/23/2021	22,014'	22,972	12,896-22,972'	

27 Hole Size	28 Casing & Tubing Size	29 Depth Set	30 Sacks Cement
12 1/4"	9 5/8"	1213'	525 SXS CL C/CIRC
8 3/4"	7 5/8"	11,876'	1560 SXS CL C TOC 72' ECHO
6 3/4"	5 1/2"	22,982'	990 SXS CL H TOC 8690' CBL

V. Well Test Data

31 Date New Oil	32 Gas Delivery Date	33 Test Date	34 Test Length	35 Tbg. Pressure	36 Csg. Pressure
06/23/2021	06/23/2021	06/28/2021	24 HRS		3485
37 Choke Size	**38 Oil**	**39 Water**	**40 Gas**		**41 Test Method**
34	2803	7865	5553		

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
Printed name: Kay Maddox	Title: NMOCD, SANTA FE
Title: SENIOR REGULATORY SPECIALIST	Approval Date: 08/20/2021
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	[2]Pool Code	[3]Pool Name
30-025- 46965	98094	BOBCAT DRAW; UPPER WOLFCAMP

[4]Property Code	[5]Property Name	[6]Well Number
39180	VACA 24 FED COM	721H

[7]OGRID No.	[8]Operator Name	[9]Elevation
7377	EOG RESOURCES, INC.	3332'

[10]Surface Location

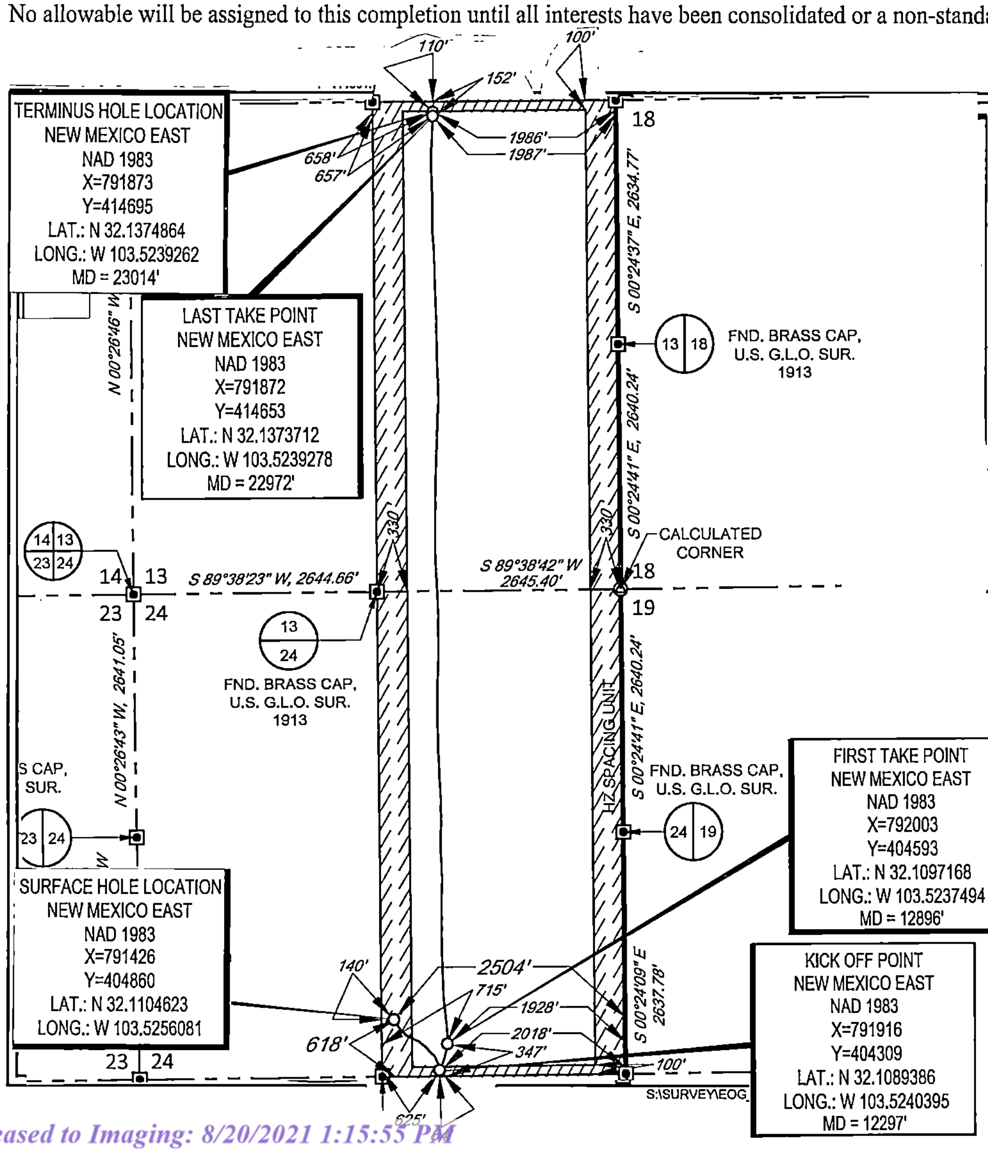
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	24	25-S	33-E	–	618'	SOUTH	2504'	EAST	LEA

[11]Bottom 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	13	25-S	33-E	–	110	NORTH	1986'	EAST	LEA

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
640			

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.



[17]OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Kay Maddox 06/29/2021
Signature Date

KAY MADDOX
Printed Name

KAY_MADDOX@EOGRESOURCES.COM
E-mail Address

[18]SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

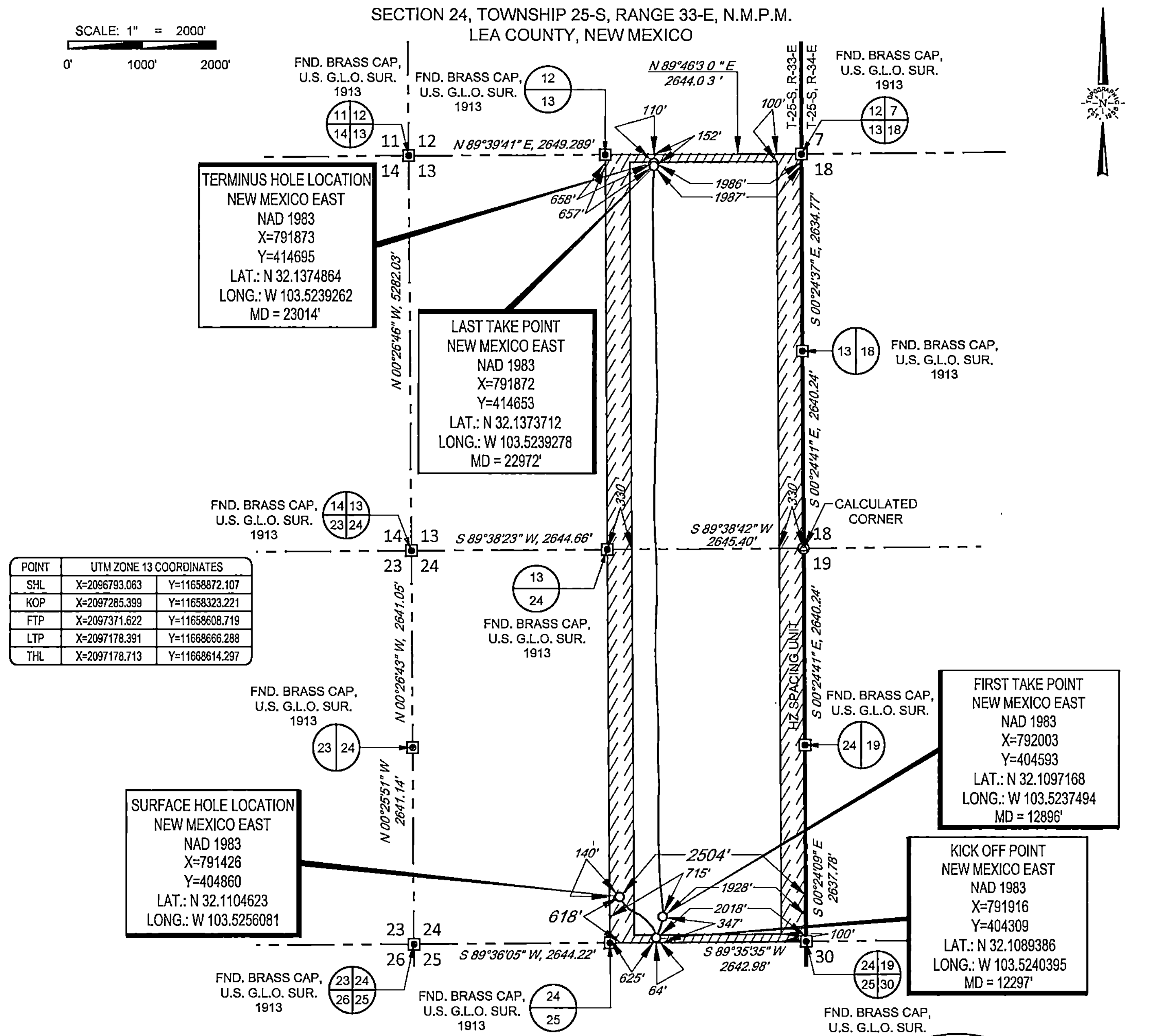
04/13/2019
Date of Survey
Signature and Seal of Professional Surveyor

RAMON A. DOMINGUEZ
NEW MEXICO
24508
PROFESSIONAL SURVEYOR

Certificate Number

LO_VACA_24_FED_COM_721H.DWG 12/15/2020 10:05:02 AM rdominguez

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



POINT	UTM ZONE 13 COORDINATES	
SHL	X=2096793.063	Y=11658872.107
KOP	X=2097285.399	Y=11658323.221
FTP	X=2097371.622	Y=11658608.719
LTP	X=2097178.391	Y=11668666.288
THL	X=2097178.713	Y=11668614.297

LEASE NAME & WELL NO.: VACA 24 FED COM 721H

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

COUNTY LEA STATE NM ELEVATION 3331'

DESCRIPTION 618' FSL & 2504' FEL

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

eog resources, inc.

RAMON A. DOMINGUEZ NEW MEXICO 24508 PROFESSIONAL SURVEYOR

Ramon A. Dominguez, P.S. No. 24508
MAY 19, 2021

VACA 24 FED COM 721H AS-COMPLETE	REVISION:	
DATE: 05/18/2021		
FILE: AD_VACA_24_FED_COM_721H		
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.

S:\SURVEY\EOG_MIDLAND\VACA_24\FINAL_PRODUCTS\AD_VACA_24_FED_COM_721H.DWG 5/20/2021 10:54:57 AM adisabella

EOG Resources - Midland

Lea County, NM (NAD 83 NME)
Vaca 24 Fed Com
#721H
OH

Design: OH

Midland PVA

08 February, 2021

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #721H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3358.0usft
Site:	Vaca 24 Fed Com	**MD Reference:**	KB = 26' @ 3358.0usft
Well:	#721H	**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	**Latitude:**	32° 6' 31.982 N
From:	Map	**Easting:**	789,366.00 usft	**Longitude:**	103° 31' 56.186 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.43 °

Well #721H

Well Position	**+N/-S**	0.0 usft	**Northing:**	404,860.00 usft	**Latitude:**	32° 6' 37.668 N
	+E/-W	0.0 usft	**Easting:**	791,426.00 usft	**Longitude:**	103° 31' 32.185 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	1/20/2021	6.56	59.82	47,473.52015953

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	2.64

Survey Program **Date** 2/8/2021

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
187.0	23,014.0	Driltech MWD (OH)	EOG MWD+IFR1	MWD + IFR1

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #721H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3358.0usft
Site:	Vaca 24 Fed Com	**MD Reference:**	KB = 26' @ 3358.0usft
Well:	#721H	**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)
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0
187.0	0.88	105.76	187.0	-0.4	1.4	0.47	0.47	0.00	-1.4	0.0
302.0	1.06	120.52	302.0	-1.2	3.1	0.27	0.16	12.83	-3.3	0.6
483.0	1.06	127.47	482.9	-3.0	5.9	0.07	0.00	3.84	-6.5	1.2
571.0	1.14	139.24	570.9	-4.2	7.1	0.27	0.09	13.37	-7.8	2.7
669.0	1.06	247.96	668.9	-5.3	6.9	1.82	-0.08	110.94	4.4	7.5
765.0	1.14	241.64	764.9	-6.1	5.3	0.15	0.08	-6.58	1.8	7.8
860.0	1.06	225.55	859.9	-7.1	3.8	0.33	-0.08	-16.94	-2.3	7.8
957.0	0.97	222.04	956.9	-8.4	2.6	0.11	-0.09	-3.62	-4.5	7.5
1,053.0	1.23	238.47	1,052.9	-9.5	1.2	0.42	0.27	17.11	-3.9	8.7
1,159.0	1.14	230.56	1,158.8	-10.8	-0.6	0.18	-0.08	-7.46	-7.3	7.9
1,244.0	1.41	233.09	1,243.8	-11.9	-2.1	0.32	0.32	2.98	-8.8	8.3
1,340.0	2.64	154.98	1,339.8	-14.7	-2.1	2.84	1.28	-81.36	-12.1	-8.2
1,436.0	5.36	137.40	1,435.5	-20.0	1.9	3.08	2.83	-18.31	-12.7	-12.1
1,532.0	5.89	136.87	1,531.1	-26.9	8.3	0.55	0.55	-0.55	-15.9	-12.3
1,628.0	5.89	139.16	1,626.6	-34.2	14.9	0.24	0.00	2.39	-16.8	-11.8
1,724.0	5.63	143.02	1,722.1	-41.7	20.9	0.49	-0.27	4.02	-15.3	-11.6
1,820.0	6.07	145.40	1,817.6	-49.6	26.6	0.52	0.46	2.48	-13.6	-12.5
1,916.0	5.89	147.59	1,913.0	-57.9	32.2	0.30	-0.19	2.28	-12.2	-14.0
2,012.0	5.80	149.70	2,008.5	-66.3	37.3	0.24	-0.09	2.20	-10.7	-16.0
2,108.0	5.54	149.62	2,104.1	-74.5	42.0	0.27	-0.27	-0.08	-8.4	-18.7
2,204.0	7.30	139.77	2,199.5	-83.1	48.3	2.16	1.83	-10.26	-3.7	-21.2
2,300.0	7.30	141.71	2,294.7	-92.6	56.0	0.26	0.00	2.02	-4.5	-21.9
2,396.0	7.30	141.62	2,389.9	-102.1	63.6	0.01	0.00	-0.09	-4.7	-22.8
2,492.0	7.56	140.47	2,485.1	-111.8	71.4	0.31	0.27	-1.20	-4.6	-23.8
2,588.0	7.74	137.66	2,580.3	-121.4	79.8	0.43	0.19	-2.93	-4.1	-24.4
2,684.0	7.83	136.26	2,675.4	-130.9	88.7	0.22	0.09	-1.46	-4.4	-24.5

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #721H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3358.0usft
Site:	Vaca 24 Fed Com	**MD Reference:**	KB = 26' @ 3358.0usft
Well:	#721H	**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)
2,780.0	8.09	133.80	2,770.4	-140.3	98.1	0.45	0.27	-2.56	-4.6	-24.3
2,876.0	8.35	130.46	2,865.5	-149.5	108.2	0.57	0.27	-3.48	-5.0	-23.6
2,972.0	8.18	128.17	2,960.5	-158.3	118.9	0.39	-0.18	-2.39	-5.9	-22.2
3,068.0	8.71	124.13	3,055.4	-166.6	130.3	0.83	0.55	-4.21	-6.7	-20.3
3,164.0	9.23	120.17	3,150.3	-174.5	143.0	0.84	0.54	-4.12	-8.7	-17.7
3,259.0	10.38	116.04	3,243.9	-182.1	157.3	1.42	1.21	-4.35	-12.4	-14.6
3,356.0	10.46	119.03	3,339.3	-190.2	172.8	0.56	0.08	3.08	-19.1	-9.7
3,452.0	9.15	125.01	3,433.9	-198.8	186.7	1.73	-1.36	6.23	-24.6	-4.3
3,548.0	9.32	123.07	3,528.6	-207.5	199.4	0.37	0.18	-2.02	-28.1	-2.4
3,641.0	8.27	118.24	3,620.5	-214.7	211.6	1.38	-1.13	-5.19	-31.0	-1.7
3,737.0	7.83	121.14	3,715.6	-221.4	223.3	0.62	-0.46	3.02	-32.8	3.5
3,833.0	7.03	124.04	3,810.8	-228.0	233.8	0.92	-0.83	3.02	-33.3	8.2
3,929.0	6.68	106.81	3,906.1	-233.0	244.0	2.16	-0.36	-17.95	-35.0	2.4
4,025.0	6.24	98.55	4,001.5	-235.3	254.5	1.07	-0.46	-8.60	-36.2	4.1
4,121.0	6.16	119.73	4,096.9	-238.7	264.1	2.37	-0.08	22.06	-30.8	22.3
4,217.0	5.63	121.75	4,192.4	-243.7	272.6	0.59	-0.55	2.10	-28.2	26.7
4,313.0	5.72	132.92	4,288.0	-249.4	280.1	1.15	0.09	11.64	-19.9	33.4
4,408.0	6.77	132.21	4,382.4	-256.4	287.7	1.11	1.11	-0.75	-18.7	34.1
4,504.0	8.53	122.90	4,477.5	-264.1	297.9	2.24	1.83	-9.70	-24.9	32.7
4,600.0	7.91	137.05	4,572.6	-272.8	308.4	2.20	-0.65	14.74	-17.7	39.5
4,696.0	8.09	130.28	4,667.6	-282.0	318.0	1.00	0.19	-7.05	-23.5	37.8
4,792.0	9.85	128.17	4,762.5	-291.4	329.7	1.86	1.83	-2.20	-27.9	38.5
4,888.0	11.52	129.66	4,856.8	-302.6	343.5	1.76	1.74	1.55	-32.7	41.0
4,984.0	9.94	136.08	4,951.1	-314.7	356.6	2.06	-1.65	6.69	-33.9	45.6
5,080.0	7.56	140.21	5,046.0	-325.5	366.4	2.56	-2.48	4.30	-33.1	47.8
5,176.0	6.33	138.45	5,141.3	-334.4	374.0	1.30	-1.28	-1.83	-34.1	46.3
5,271.0	5.54	135.20	5,235.8	-341.5	380.7	0.90	-0.83	-3.42	-34.5	44.4

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #721H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3358.0usft
Site:	Vaca 24 Fed Com	**MD Reference:**	KB = 26' @ 3358.0usft
Well:	#721H	**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)
5,368.0	6.07	137.84	5,332.3	-348.7	387.4	0.61	0.55	2.72	-30.0	45.9
5,464.0	6.95	138.54	5,427.7	-356.8	394.7	0.92	0.92	0.73	-28.3	46.0
5,560.0	6.60	138.28	5,523.0	-365.2	402.2	0.37	-0.36	-0.27	-27.7	45.6
5,656.0	6.68	135.55	5,618.3	-373.3	409.8	0.34	0.08	-2.84	-28.9	44.3
5,752.0	6.42	136.43	5,713.7	-381.2	417.4	0.29	-0.27	0.92	-27.0	44.9
5,848.0	6.51	134.59	5,809.1	-388.9	424.9	0.24	0.09	-1.92	-27.2	44.4
5,944.0	6.77	130.54	5,904.5	-396.4	433.1	0.56	0.27	-4.22	-29.3	43.3
6,039.0	7.03	138.01	5,998.8	-404.4	441.3	0.98	0.27	7.86	-22.9	47.3
6,135.0	6.68	159.63	6,094.1	-414.0	447.1	2.70	-0.36	22.52	-3.9	49.9
6,231.0	6.16	158.05	6,189.5	-424.0	451.0	0.57	-0.54	-1.65	-4.7	45.3
6,327.0	5.98	158.14	6,285.0	-433.4	454.8	0.19	-0.19	0.09	-3.5	40.9
6,423.0	5.80	158.32	6,380.5	-442.6	458.5	0.19	-0.19	0.19	-2.0	36.6
6,519.0	5.63	155.68	6,476.0	-451.4	462.2	0.33	-0.18	-2.75	-1.7	32.3
6,615.0	5.72	156.21	6,571.5	-460.0	466.1	0.11	0.09	0.55	0.5	28.4
6,710.0	5.80	153.92	6,666.0	-468.7	470.1	0.26	0.08	-2.41	1.3	24.8
6,806.0	5.89	153.13	6,761.5	-477.4	474.4	0.13	0.09	-0.82	2.8	21.3
6,902.0	6.07	153.22	6,857.0	-486.4	478.9	0.19	0.19	0.09	4.4	18.0
6,998.0	5.98	152.95	6,952.5	-495.3	483.5	0.10	-0.09	-0.28	5.9	14.7
7,094.0	5.80	151.90	7,048.0	-504.1	488.1	0.22	-0.19	-1.09	7.4	11.6
7,190.0	5.72	152.60	7,143.5	-512.6	492.6	0.11	-0.08	0.73	9.6	8.3
7,286.0	5.54	143.02	7,239.0	-520.6	497.5	1.00	-0.19	-9.98	10.8	7.7
7,382.0	5.72	135.73	7,334.6	-527.7	503.7	0.77	0.19	-7.59	12.4	8.7
7,478.0	5.19	139.50	7,430.1	-534.4	509.8	0.67	-0.55	3.93	15.7	7.6
7,574.0	4.66	133.26	7,525.8	-540.4	515.5	0.78	-0.55	-6.50	16.0	9.4
7,670.0	4.04	115.60	7,621.5	-544.5	521.4	1.53	-0.65	-18.40	11.0	14.9
7,766.0	2.37	113.40	7,717.3	-546.8	526.2	1.74	-1.74	-2.29	7.7	16.3
7,862.0	1.14	110.50	7,813.3	-547.9	529.0	1.28	-1.28	-3.02	4.2	16.7

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #721H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3358.0usft
Site:	Vaca 24 Fed Com	**MD Reference:**	KB = 26' @ 3358.0usft
Well:	#721H	**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)
7,958.0	0.79	118.15	7,909.3	-548.5	530.4	0.39	-0.36	7.97	4.7	16.1
8,054.0	1.14	129.40	8,005.3	-549.5	531.8	0.41	0.36	11.72	6.2	15.0
8,150.0	1.41	133.97	8,101.2	-550.9	533.4	0.30	0.28	4.76	5.2	14.6
8,246.0	1.41	137.66	8,197.2	-552.6	535.0	0.09	0.00	3.84	3.8	14.3
8,342.0	1.41	139.33	8,293.2	-554.3	536.6	0.04	0.00	1.74	1.9	14.2
8,438.0	1.58	156.29	8,389.2	-556.4	537.9	0.49	0.18	17.67	3.5	13.4
8,534.0	1.49	152.51	8,485.1	-558.8	539.0	0.14	-0.09	-3.94	0.0	13.5
8,630.0	1.67	151.99	8,581.1	-561.1	540.2	0.19	0.19	-0.54	-2.8	13.5
8,726.0	1.49	152.25	8,677.1	-563.4	541.4	0.19	-0.19	0.27	-5.4	13.5
8,822.0	1.23	160.07	8,773.0	-565.5	542.4	0.33	-0.27	8.15	-5.7	14.3
8,918.0	1.32	172.99	8,869.0	-567.6	542.9	0.31	0.09	13.46	-4.5	15.4
9,014.0	1.14	170.44	8,965.0	-569.6	543.2	0.20	-0.19	-2.66	-7.2	15.2
9,110.0	1.14	170.09	9,061.0	-571.5	543.5	0.01	0.00	-0.36	-9.2	15.1
9,206.0	1.06	178.62	9,156.9	-573.3	543.7	0.19	-0.08	8.89	-8.7	16.5
9,301.0	0.79	173.43	9,251.9	-574.9	543.8	0.30	-0.28	-5.46	-11.7	15.5
9,397.0	0.62	184.68	9,347.9	-576.0	543.8	0.23	-0.18	11.72	-9.6	17.6
9,494.0	0.62	206.74	9,444.9	-577.0	543.5	0.24	0.00	22.74	-3.3	20.2
9,589.0	0.97	281.18	9,539.9	-577.3	542.5	1.05	0.37	78.36	17.6	9.1
9,685.0	0.79	5.30	9,635.9	-576.5	541.8	1.24	-0.19	87.62	10.1	-15.8
9,780.0	0.79	26.04	9,730.9	-575.3	542.1	0.30	0.00	21.83	2.6	-18.1
9,876.0	0.35	49.68	9,826.9	-574.5	542.6	0.51	-0.46	24.62	-5.8	-17.3
9,971.0	0.18	56.45	9,921.9	-574.2	543.0	0.18	-0.18	7.13	-8.2	-16.5
10,067.0	0.09	13.91	10,017.9	-574.1	543.1	0.13	-0.09	-44.31	4.9	-17.8
10,259.0	1.32	22.52	10,209.9	-571.9	544.0	0.64	0.64	4.48	-0.2	-18.3
10,355.0	1.49	339.54	10,305.8	-569.7	544.0	1.08	0.18	-44.77	10.3	-14.3
10,451.0	1.06	345.70	10,401.8	-567.7	543.3	0.47	-0.45	6.42	6.6	-15.2
10,547.0	0.79	125.97	10,497.8	-567.2	543.6	1.81	-0.28	146.11	-14.8	8.0

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #721H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3358.0usft
Site:	Vaca 24 Fed Com	**MD Reference:**	KB = 26' @ 3358.0usft
Well:	#721H	**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)
10,643.0	1.32	143.11	10,593.8	-568.5	544.8	0.64	0.55	17.85	-13.5	12.2
10,739.0	1.14	156.82	10,689.8	-570.2	545.9	0.36	-0.19	14.28	-12.2	15.3
10,834.0	0.79	155.76	10,784.8	-571.7	546.5	0.37	-0.37	-1.12	-14.1	15.1
10,930.0	0.79	242.25	10,880.8	-572.6	546.2	1.13	0.00	90.09	13.5	15.7
11,026.0	0.70	249.37	10,976.7	-573.1	545.1	0.13	-0.09	7.42	14.1	14.0
11,122.0	1.06	246.03	11,072.7	-573.7	543.7	0.38	0.37	-3.48	11.7	14.7
11,217.0	2.20	253.15	11,167.7	-574.6	541.2	1.22	1.20	7.49	10.8	13.3
11,313.0	2.29	234.87	11,263.6	-576.2	537.8	0.75	0.09	-19.04	2.4	15.4
11,409.0	3.08	257.37	11,359.5	-577.9	533.7	1.36	0.82	23.44	3.8	14.0
11,505.0	3.52	289.36	11,455.4	-577.5	528.4	1.94	0.46	33.32	5.5	11.3
11,601.0	3.61	303.07	11,551.2	-574.8	523.1	0.89	0.09	14.28	2.1	10.4
11,697.0	3.34	304.48	11,647.0	-571.6	518.3	0.29	-0.28	1.47	-3.4	10.4
11,793.0	3.69	298.85	11,742.8	-568.5	513.3	0.51	0.36	-5.86	-10.3	9.7
11,827.0	3.61	297.53	11,776.8	-567.5	511.4	0.34	-0.24	-3.88	-12.7	9.5
11,956.0	3.69	308.17	11,905.5	-563.1	504.5	0.53	0.06	8.25	-18.9	12.4
12,052.0	3.52	308.87	12,001.3	-559.3	499.8	0.18	-0.18	0.73	-24.7	12.7
12,148.0	3.17	306.41	12,097.1	-555.9	495.4	0.39	-0.36	-2.56	-30.9	11.5
12,243.0	2.81	312.39	12,192.0	-552.8	491.5	0.50	-0.38	6.29	-34.5	14.9
12,297.0	2.88	328.73	12,245.9	-550.7	489.8	1.50	0.12	30.26	-31.5	24.4
KOP, MD:12297.0', TVD:12245.9',N/S:-550.7', E/W:489.8', INC:2.88										
12,339.0	3.08	340.25	12,287.9	-548.7	488.9	1.50	0.48	27.42	-26.6	30.9
12,435.0	10.38	22.26	12,383.2	-538.3	491.3	8.69	7.60	43.76	6.8	35.6
12,531.0	18.99	28.94	12,476.0	-516.6	502.2	9.13	8.97	6.96	18.5	17.9
12,536.7	20.10	28.85	12,481.4	-514.9	503.1	19.42	19.41	-1.53	18.9	16.7
FTP Crossing, MD:12536.7', TVD:12481.4',N/S:-514.9', E/W:503.1', INC:20.10										
12,579.0	28.31	28.41	12,519.9	-499.7	511.4	19.42	19.42	-1.05	20.9	6.9
12,628.0	35.35	25.51	12,561.5	-476.6	523.0	14.70	14.37	-5.92	21.7	-4.5

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #721H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3358.0usft
Site:	Vaca 24 Fed Com	**MD Reference:**	KB = 26' @ 3358.0usft
Well:	#721H	**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)
12,723.0	50.83	17.25	12,630.7	-416.3	546.0	17.32	16.29	-8.69	22.6	-24.6
12,819.0	64.19	12.42	12,682.2	-338.1	566.4	14.54	13.92	-5.03	19.6	-43.0
12,915.0	71.40	5.56	12,718.5	-250.4	580.1	10.00	7.51	-7.15	18.3	-56.0
13,011.0	83.19	354.49	12,739.6	-157.1	580.0	16.64	12.28	-11.53	19.3	-55.6
13,061.0	92.15	354.84	12,741.7	-107.4	575.3	17.93	17.92	0.70	16.0	-51.6
13,107.0	90.13	353.43	12,740.8	-61.7	570.6	5.35	-4.39	-3.07	15.0	-47.2
13,212.0	84.59	353.52	12,745.6	42.5	558.7	5.28	-5.28	0.09	20.5	-35.9
13,307.0	87.93	354.49	12,751.8	136.7	548.8	3.66	3.52	1.02	26.8	-26.7
13,403.0	90.75	356.77	12,752.9	232.4	541.5	3.78	2.94	2.37	28.3	-20.2
13,499.0	90.84	356.86	12,751.6	328.3	536.2	0.13	0.09	0.09	27.4	-15.5
13,595.0	91.80	357.65	12,749.4	424.2	531.6	1.29	1.00	0.82	25.5	-11.6
13,691.0	93.12	358.36	12,745.2	520.0	528.2	1.56	1.37	0.74	21.8	-9.0
13,787.0	93.21	357.48	12,739.9	615.8	524.7	0.92	0.09	-0.92	16.9	-6.2
13,883.0	93.47	357.30	12,734.3	711.5	520.4	0.33	0.27	-0.19	11.7	-2.5
13,979.0	90.75	359.85	12,730.8	807.4	518.0	3.88	-2.83	2.66	8.6	-0.8
14,076.0	90.92	359.32	12,729.4	904.4	517.3	0.57	0.18	-0.55	7.6	-0.7
14,171.0	91.80	0.29	12,727.1	999.4	517.0	1.38	0.93	1.02	5.8	-1.1
14,267.0	89.78	0.64	12,725.8	1,095.4	517.7	2.14	-2.10	0.36	4.8	-2.6
14,363.0	89.87	0.82	12,726.1	1,191.4	519.0	0.21	0.09	0.19	5.5	-4.5
14,459.0	89.60	0.03	12,726.5	1,287.3	519.7	0.87	-0.28	-0.82	6.4	-5.9
14,555.0	90.66	1.96	12,726.3	1,383.3	521.3	2.29	1.10	2.01	6.6	-8.2
14,651.0	90.84	1.61	12,725.1	1,479.3	524.3	0.41	0.19	-0.36	5.7	-11.9
14,748.0	91.01	1.17	12,723.5	1,576.2	526.7	0.49	0.18	-0.45	4.6	-14.9
14,844.0	89.43	354.31	12,723.1	1,672.1	522.9	7.33	-1.65	-7.15	4.6	-11.8
14,940.0	89.25	354.22	12,724.2	1,767.6	513.3	0.21	-0.19	-0.09	6.1	-2.9
15,035.0	88.20	358.09	12,726.4	1,862.3	506.9	4.22	-1.11	4.07	8.6	2.8
15,131.0	89.43	1.76	12,728.3	1,958.3	506.8	4.03	1.28	3.82	11.0	2.2

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #721H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3358.0usft
Site:	Vaca 24 Fed Com	**MD Reference:**	KB = 26' @ 3358.0usft
Well:	#721H	**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)
15,227.0	89.78	4.57	12,729.0	2,054.2	512.1	2.95	0.36	2.93	12.1	-3.7
15,323.0	89.08	0.80	12,730.0	2,150.0	516.6	3.99	-0.73	-3.93	13.4	-8.9
15,419.0	91.01	358.42	12,729.9	2,246.0	516.0	3.19	2.01	-2.48	13.8	-9.0
15,515.0	91.71	358.25	12,727.6	2,341.9	513.2	0.75	0.73	-0.18	11.7	-6.9
15,611.0	91.98	358.69	12,724.5	2,437.9	510.6	0.54	0.28	0.46	8.8	-5.0
15,707.0	89.69	357.02	12,723.1	2,533.8	507.0	2.95	-2.39	-1.74	7.5	-2.1
15,803.0	89.16	356.66	12,724.1	2,629.6	501.7	0.67	-0.55	-0.37	8.6	2.5
15,899.0	90.75	357.98	12,724.2	2,725.5	497.2	2.15	1.66	1.37	8.8	6.3
15,995.0	91.01	357.81	12,722.7	2,821.4	493.7	0.32	0.27	-0.18	7.5	9.2
16,092.0	90.31	357.02	12,721.6	2,918.3	489.3	1.09	-0.72	-0.81	6.5	12.9
16,188.0	90.22	358.60	12,721.1	3,014.3	485.7	1.65	-0.09	1.65	6.2	15.9
16,284.0	91.10	358.51	12,720.0	3,110.2	483.3	0.92	0.92	-0.09	5.2	17.6
16,380.0	90.66	358.60	12,718.5	3,206.2	480.8	0.47	-0.46	0.09	3.9	19.3
16,476.0	89.87	357.90	12,718.1	3,302.1	477.9	1.10	-0.82	-0.73	3.6	21.6
16,572.0	90.04	0.36	12,718.2	3,398.1	476.4	2.57	0.18	2.56	3.8	22.4
16,688.0	87.93	0.80	12,720.2	3,514.1	477.6	1.86	-1.82	0.38	6.0	20.4
16,784.0	88.29	1.24	12,723.4	3,610.0	479.3	0.59	0.37	0.46	9.3	18.0
16,880.0	90.40	2.47	12,724.5	3,705.9	482.4	2.54	2.20	1.28	10.6	14.2
16,976.0	88.46	3.17	12,725.4	3,801.8	487.2	2.15	-2.02	0.73	11.7	8.8
17,072.0	87.76	0.97	12,728.6	3,897.7	490.6	2.40	-0.73	-2.29	15.0	4.6
17,168.0	87.32	0.36	12,732.7	3,993.6	491.7	0.78	-0.46	-0.64	19.2	2.8
17,264.0	88.72	359.83	12,736.0	4,089.5	491.9	1.56	1.46	-0.55	22.7	2.0
17,360.0	92.59	0.71	12,735.0	4,185.5	492.3	4.13	4.03	0.92	21.7	0.9
17,456.0	90.84	359.57	12,732.1	4,281.5	492.6	2.18	-1.82	-1.19	19.0	-0.1
17,552.0	92.77	1.15	12,729.1	4,377.4	493.2	2.60	2.01	1.65	16.1	-1.4
17,648.0	90.57	358.25	12,726.3	4,473.3	492.7	3.79	-2.29	-3.02	13.4	-1.5
17,744.0	90.04	356.67	12,725.7	4,569.3	488.4	1.74	-0.55	-1.65	13.1	2.0

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #721H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3358.0usft
Site:	Vaca 24 Fed Com	**MD Reference:**	KB = 26' @ 3358.0usft
Well:	#721H	**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)
17,840.0	91.28	356.31	12,724.6	4,665.1	482.5	1.34	1.29	-0.37	12.1	7.2
18,032.0	89.60	357.02	12,723.2	4,856.7	471.4	0.95	-0.87	0.37	10.9	17.0
18,128.0	89.25	358.07	12,724.1	4,952.6	467.3	1.15	-0.36	1.09	12.0	20.5
18,225.0	87.76	357.28	12,726.7	5,049.5	463.3	1.74	-1.54	-0.81	14.6	23.7
18,321.0	88.46	358.34	12,729.8	5,145.4	459.7	1.32	0.73	1.10	17.9	26.7
18,417.0	92.51	0.36	12,729.0	5,241.4	458.6	4.71	4.22	2.10	17.3	27.1
18,513.0	92.59	1.06	12,724.7	5,337.3	459.8	0.73	0.08	0.73	13.1	25.2
18,608.0	91.54	0.88	12,721.3	5,432.2	461.4	1.12	-1.11	-0.19	9.9	23.0
18,704.0	91.98	0.36	12,718.4	5,528.1	462.4	0.71	0.46	-0.54	7.0	21.2
18,800.0	88.55	1.76	12,717.9	5,624.1	464.2	3.86	-3.57	1.46	6.8	18.8
18,896.0	88.46	1.24	12,720.4	5,720.0	466.7	0.55	-0.09	-0.54	9.4	15.6
18,992.0	87.76	0.09	12,723.6	5,816.0	467.8	1.40	-0.73	-1.20	12.7	13.8
19,088.0	89.52	1.59	12,725.9	5,911.9	469.2	2.41	1.83	1.56	15.1	11.7
19,183.0	89.87	2.55	12,726.4	6,006.9	472.7	1.08	0.37	1.01	15.8	7.6
19,279.0	89.08	1.85	12,727.3	6,102.8	476.3	1.10	-0.82	-0.73	16.8	3.2
19,375.0	90.04	2.11	12,728.0	6,198.7	479.7	1.04	1.00	0.27	17.6	-0.8
19,470.0	89.96	2.64	12,728.0	6,293.6	483.6	0.56	-0.08	0.56	17.8	-5.4
19,566.0	88.55	2.03	12,729.2	6,389.5	487.5	1.60	-1.47	-0.64	19.2	-10.0
19,662.0	89.25	2.38	12,731.1	6,485.5	491.2	0.82	0.73	0.36	21.1	-14.4
19,757.0	91.80	3.78	12,730.2	6,580.3	496.3	3.06	2.68	1.47	20.5	-20.1
19,854.0	91.36	1.06	12,727.5	6,677.2	500.4	2.84	-0.45	-2.80	17.9	-24.9
19,951.0	91.80	359.30	12,724.9	6,774.1	500.7	1.87	0.45	-1.81	15.3	-25.9
20,046.0	93.12	358.86	12,720.8	6,869.0	499.2	1.46	1.39	-0.46	11.4	-25.1
20,142.0	91.19	356.58	12,717.2	6,964.9	495.4	3.11	-2.01	-2.37	7.9	-21.9
20,238.0	89.43	357.81	12,716.7	7,060.7	490.7	2.24	-1.83	1.28	7.5	-17.9
20,333.0	90.13	358.69	12,717.0	7,155.7	487.8	1.18	0.74	0.93	8.0	-15.7
20,429.0	90.92	359.65	12,716.1	7,251.7	486.4	1.30	0.82	1.00	7.3	-15.0

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #721H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3358.0usft
Site:	Vaca 24 Fed Com	**MD Reference:**	KB = 26' @ 3358.0usft
Well:	#721H	**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)
20,525.0	90.75	357.63	12,714.7	7,347.6	484.1	2.11	-0.18	-2.10	6.0	-13.4
20,621.0	89.34	358.78	12,714.7	7,443.6	481.1	1.90	-1.47	1.20	6.1	-11.1
20,717.0	91.19	1.32	12,714.2	7,539.6	481.2	3.27	1.93	2.65	5.8	-11.8
20,812.0	88.72	357.90	12,714.3	7,634.6	480.5	4.44	-2.60	-3.60	6.0	-11.9
20,908.0	89.87	358.34	12,715.5	7,730.5	477.4	1.28	1.20	0.46	7.3	-9.4
21,004.0	91.71	357.98	12,714.2	7,826.4	474.3	1.95	1.92	-0.37	6.1	-7.0
21,100.0	88.72	356.67	12,713.8	7,922.3	469.8	3.40	-3.11	-1.36	5.9	-3.2
21,196.0	91.54	358.34	12,713.6	8,018.2	465.6	3.41	2.94	1.74	5.8	0.3
21,292.0	93.39	359.92	12,709.5	8,114.1	464.2	2.53	1.93	1.65	1.8	1.1
21,388.0	91.54	358.25	12,705.3	8,210.0	462.6	2.59	-1.93	-1.74	-2.1	1.9
21,484.0	89.25	357.90	12,704.7	8,305.9	459.4	2.41	-2.39	-0.36	-2.7	4.5
21,580.0	85.74	355.79	12,708.9	8,401.7	454.1	4.26	-3.66	-2.20	1.6	9.1
21,676.0	86.26	355.96	12,715.6	8,497.2	447.2	0.57	0.54	0.18	8.4	15.3
21,772.0	87.85	356.14	12,720.5	8,592.8	440.6	1.67	1.66	0.19	13.5	21.2
21,867.0	89.08	359.30	12,723.0	8,687.7	436.9	3.57	1.29	3.33	16.2	24.3
21,963.0	92.07	0.53	12,722.1	8,783.7	436.7	3.37	3.11	1.28	15.4	23.8
22,059.0	93.39	0.88	12,717.5	8,879.6	437.9	1.42	1.37	0.36	11.0	21.9
22,155.0	88.90	357.98	12,715.6	8,975.5	436.9	5.57	-4.68	-3.02	9.2	22.2
22,251.0	89.78	358.34	12,716.7	9,071.5	433.9	0.99	0.92	0.37	10.5	24.6
22,347.0	91.36	359.04	12,715.7	9,167.4	431.7	1.80	1.65	0.73	9.6	26.1
22,443.0	84.86	357.02	12,718.9	9,263.3	428.4	7.09	-6.77	-2.10	12.9	28.7
22,538.0	87.49	1.59	12,725.2	9,358.0	427.2	5.54	2.77	4.81	21.0	29.1
22,634.0	91.01	4.05	12,726.5	9,453.9	432.0	4.47	3.67	2.56	23.9	23.7
22,730.0	92.95	3.70	12,723.2	9,549.6	438.4	2.05	2.02	-0.36	22.2	16.6
22,826.0	93.65	2.82	12,717.6	9,645.3	443.9	1.17	0.73	-0.92	18.4	10.5
22,922.0	93.12	0.27	12,712.0	9,741.1	446.5	2.71	-0.55	-2.66	14.4	7.2

Last MWD Survey (MD=22922.0')

EOG Resources
Midland PVA

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #721H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3358.0usft
Site:	Vaca 24 Fed Com	**MD Reference:**	KB = 26' @ 3358.0usft
Well:	#721H	**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)
23,014.0	93.12	0.27	12,707.0	9,832.9	446.9	0.00	0.00	0.00	10.9	6.1
Projection to Bit (MD=23014.0')										

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
12,297.0	12,245.9	-550.7	489.8	KOP, MD:12297.0', TVD:12245.9',N/S:-550.7', E/W:489.8', INC:2.88
12,536.7	12,481.4	-514.9	503.1	FTP Crossing, MD:12536.7', TVD:12481.4',N/S:-514.9', E/W:503.1', INC:20.10
22,922.0	12,712.0	9,741.1	446.5	Last MWD Survey (MD=22922.0')
23,014.0	12,707.0	9,832.9	446.9	Projection to Bit (MD=23014.0')

Checked By: ____________________ Approved By: ____________________ Date: ____________________

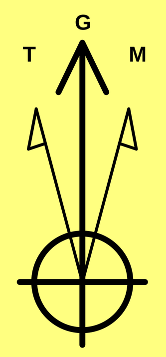
I CERTIFY THIS SURVEY TO BE TRUE AND CORRECT TO THE BEST OF MY BELIEF AND KNOWLEDGE.
KAY MADDOX 06/28/2021

eog resources

Lea County, NM (NAD 83 NME)

Vaca 24 Fed Com #721H

Plan #1



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

Magnetic Field
Strength: 47473.5nT
Dip Angle: 59.82°
Date: 1/20/2021
Model: IGRF2020

To convert a Magnetic Direction to a Grid Direction, Add 6.13°
To convert a Magnetic Direction to a True Direction, Add 6.56° East
To convert a True Direction to a Grid Direction, Subtract 0.43°

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: #721H

3332.0
KB = 26' @ 3358.0usft

Northing	Easting	Latittude	Longitude
404860.00	791426.00	32° 6' 37.668 N	103° 31' 32.185 W

SECTION DETAILS

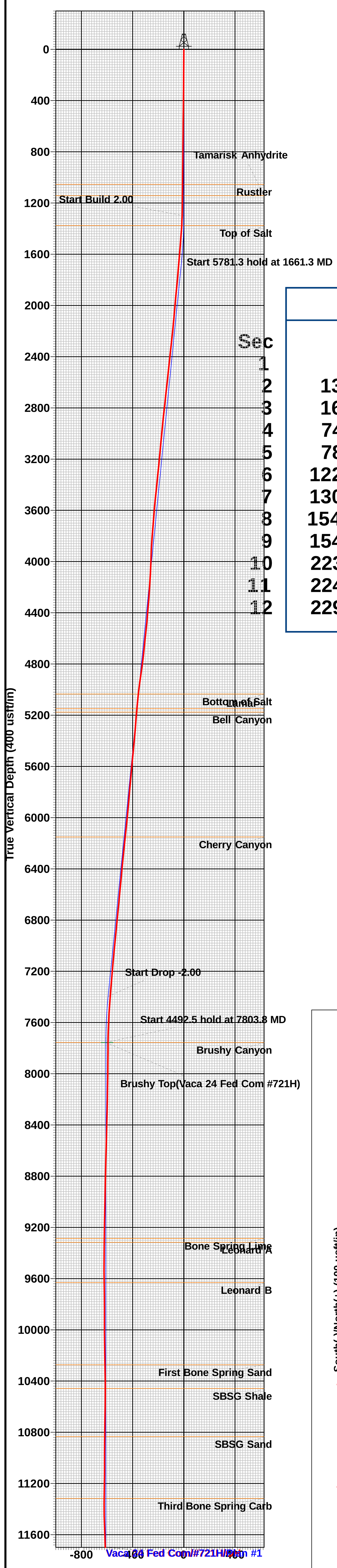
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1300.0	0.00	0.00	1300.0	0.0	0.0	0.00	0.00	0.0	
3	1661.3	7.23	136.99	1660.3	-16.6	15.5	2.00	136.99	-15.9	
4	7442.6	7.23	136.99	7395.7	-548.4	511.5	0.00	0.00	-524.2	
5	7803.8	0.00	0.00	7756.0	-565.0	527.0	2.00	180.00	-540.2	Brushy Top(Vaca 24 Fed Com #721H)
6	12296.3	0.00	0.00	12248.5	-565.0	527.0	0.00	0.00	-540.2	
7	13048.3	90.24	359.59	12726.0	-85.5	523.6	12.00	359.59	-61.3	
8	15407.1	90.24	359.59	12716.0	2273.1	506.8	0.00	0.00	2294.0	TGT#1(Vaca 24 Fed Com #721H)
9	15415.0	90.08	359.59	12716.0	2281.1	506.7	2.00	180.00	2302.0	
10	22368.8	90.08	359.59	12706.0	9234.7	457.3	0.00	0.00	9246.0	TGT#2(Vaca 24 Fed Com #721H)
11	22414.2	90.99	359.59	12705.6	9280.1	456.9	2.00	0.00	9291.3	
12	22968.2	90.99	359.59	12696.0	9834.0	453.0	0.00	0.00	9844.4	PBHL(Vaca 24 Fed Com #721H)

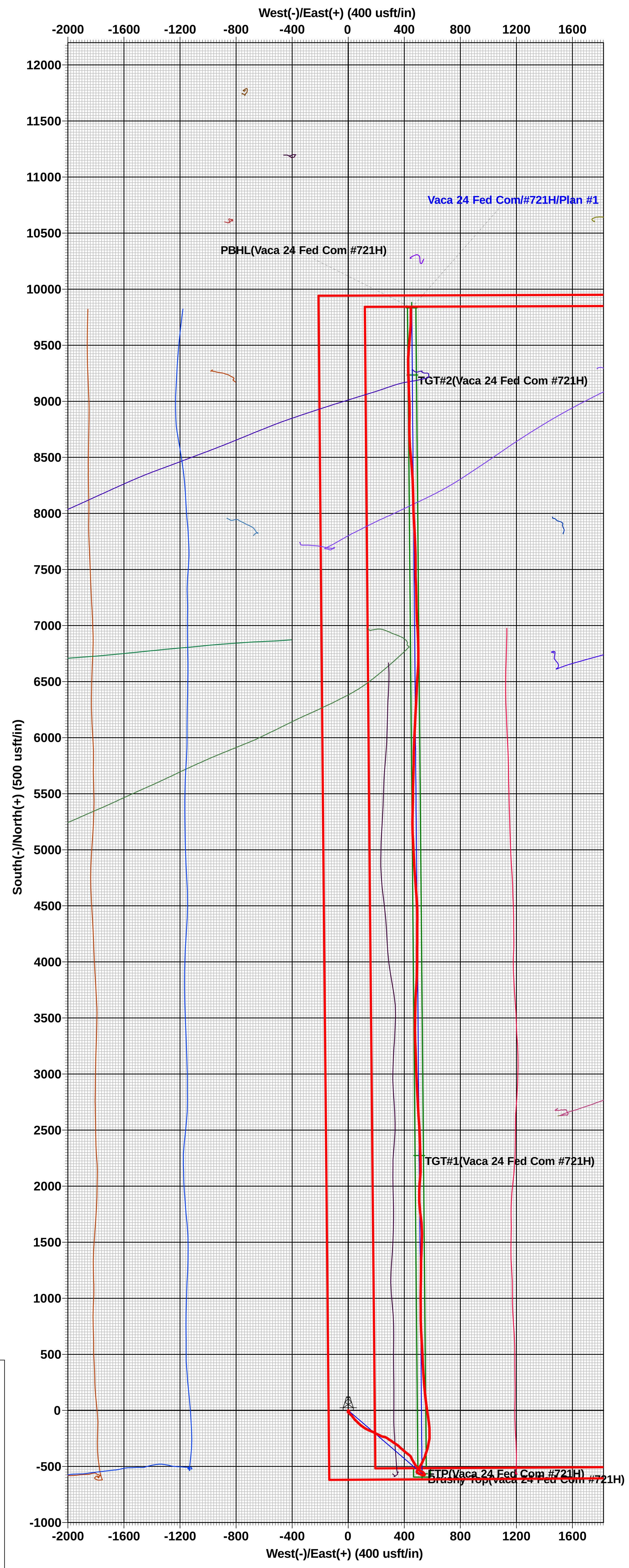
CASING DETAILS

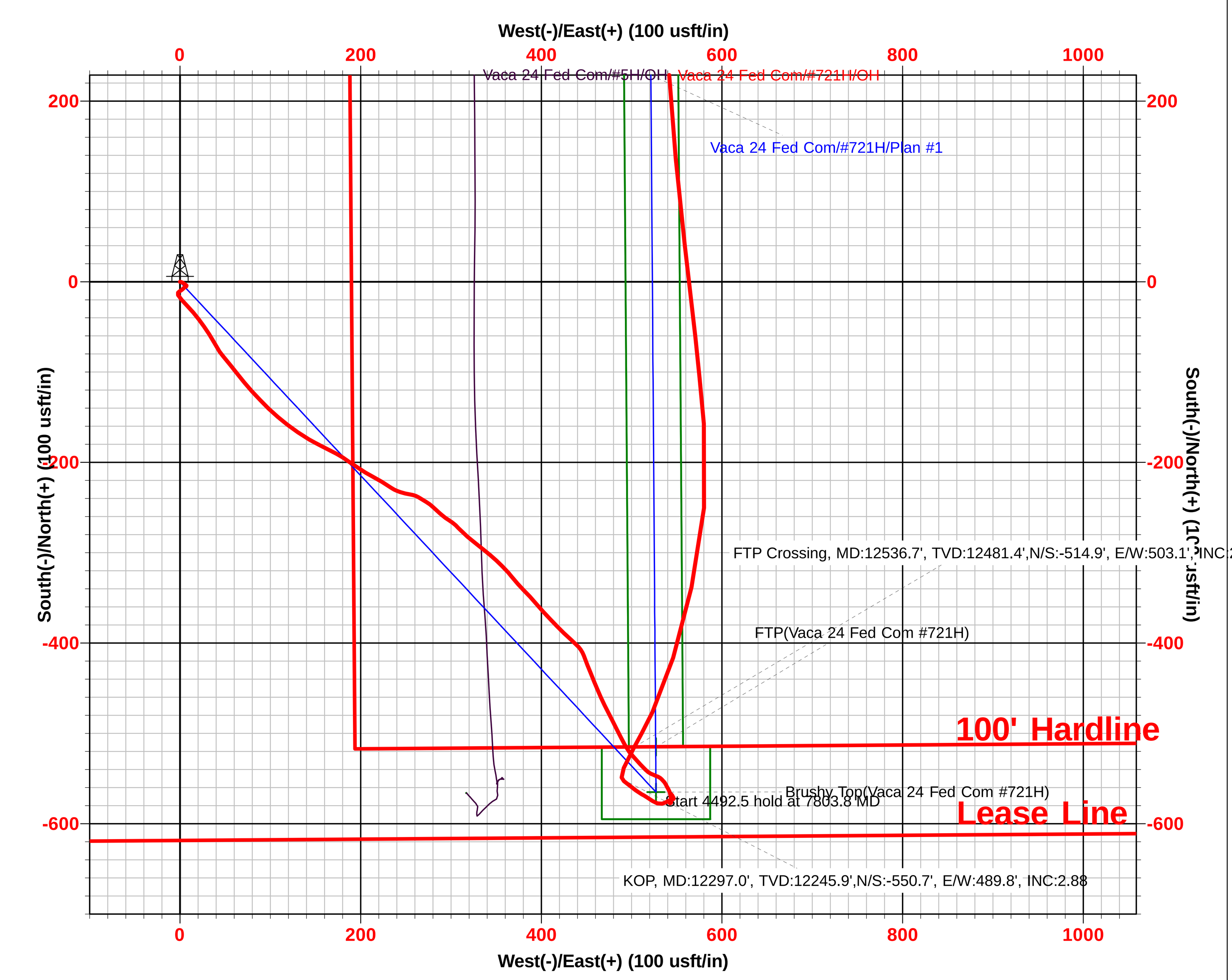
No casing data is available

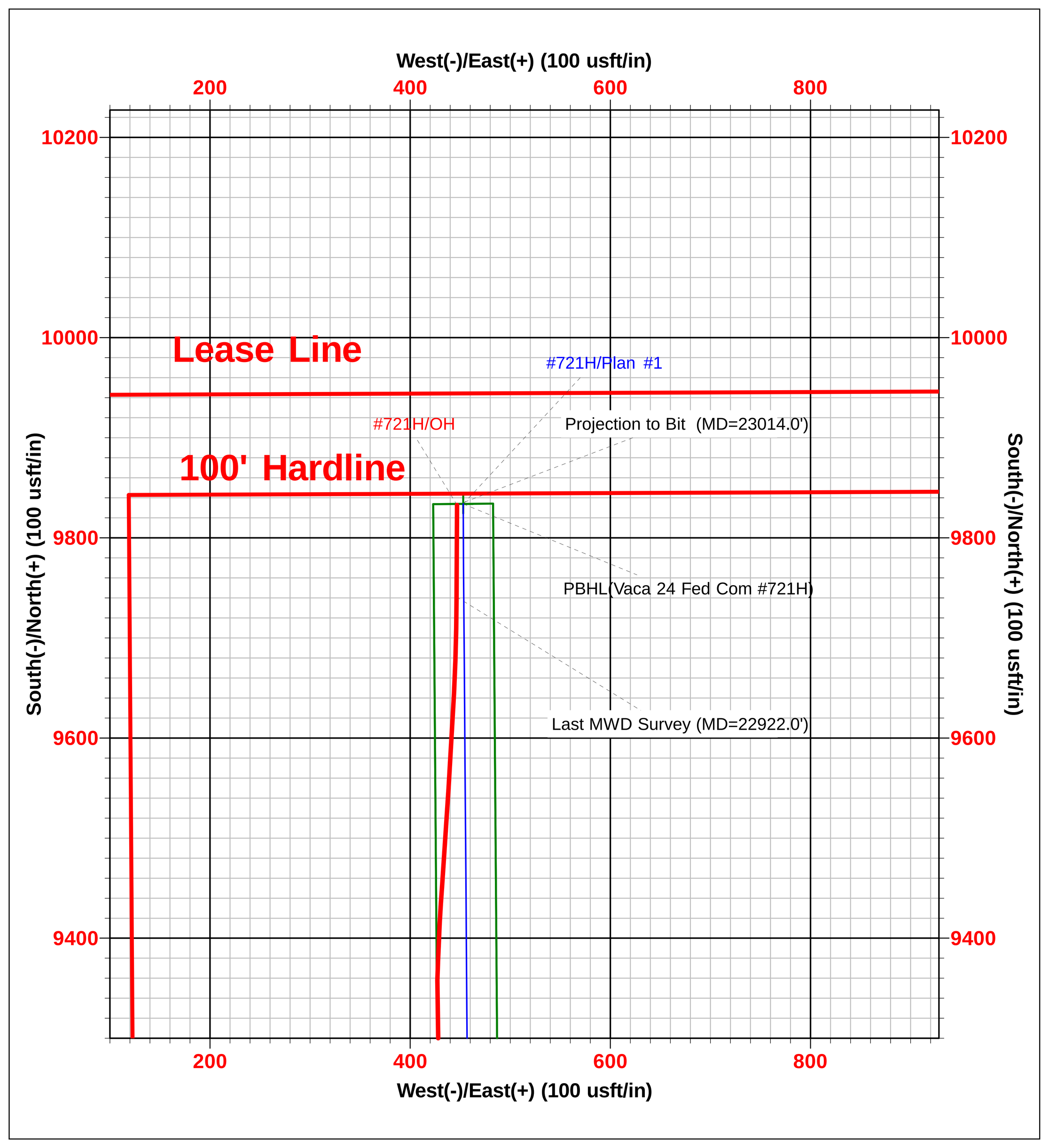
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

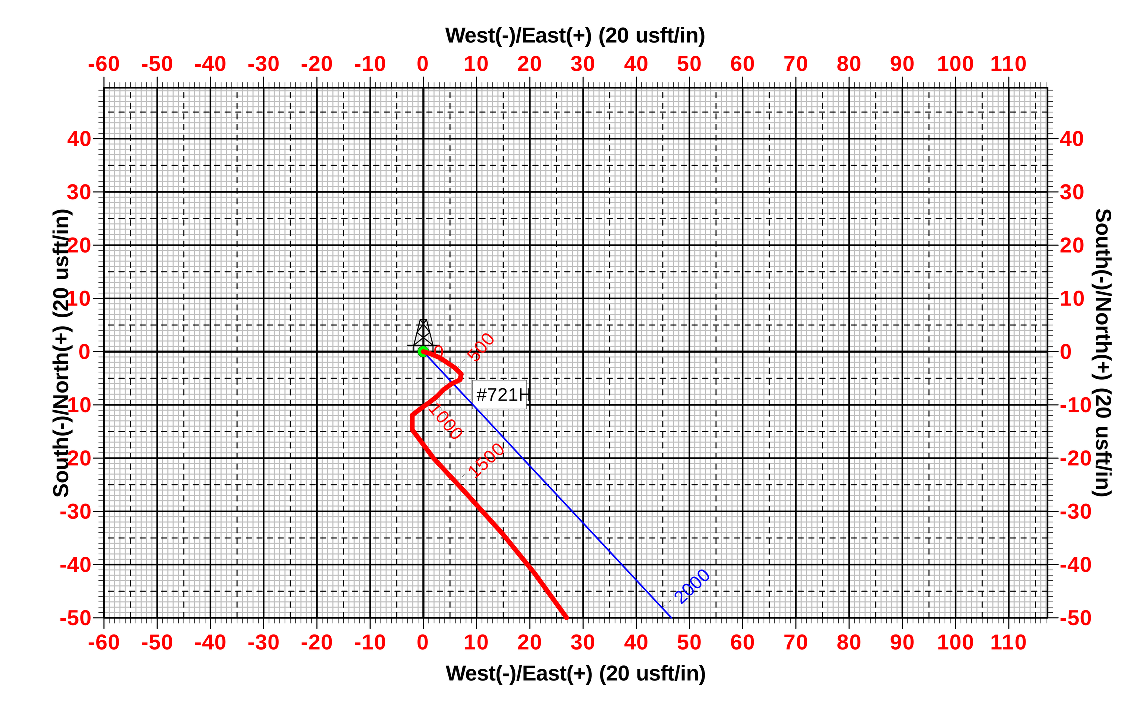
Name	TVD	+N/-S	+E/-W	Northing	Easting
Brushy Top(Vaca 24 Fed Com #721H)	7756.0	-565.0	527.0	404295.00	791953.00
FTP(Vaca 24 Fed Com #721H)	12431.2	-515.0	527.0	404345.00	791953.00
PBHL(Vaca 24 Fed Com #721H)	12696.0	9834.0	453.0	414694.00	791879.00
TGT#2(Vaca 24 Fed Com #721H)	12706.0	9234.7	457.3	414094.70	791883.26
TGT#1(Vaca 24 Fed Com #721H)	12716.0	2273.1	506.8	407133.10	791932.80

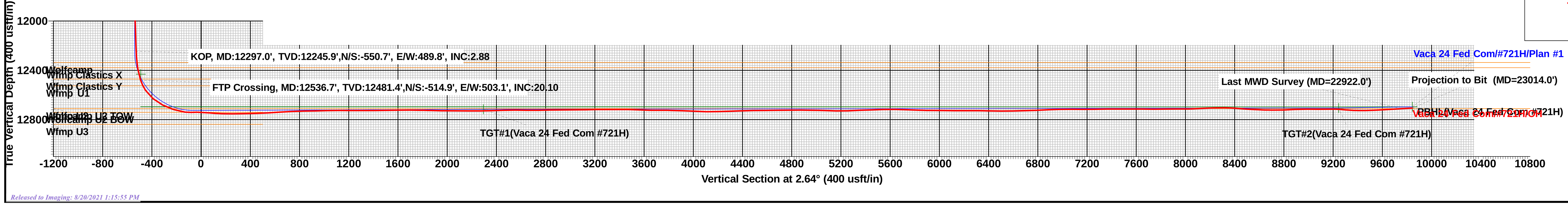


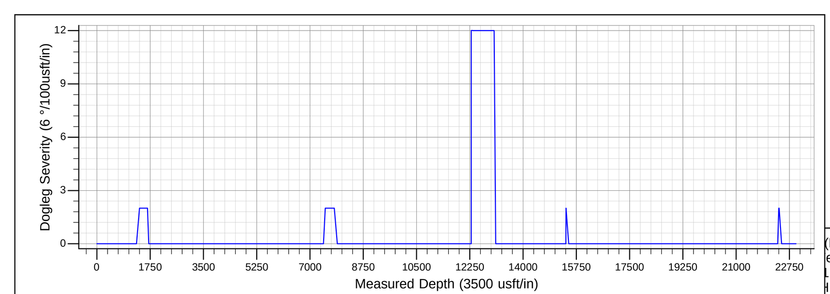












7:48, February 08 2021

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

AFMSS
U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

06/30/2021

Well Name: VACA 24 FED COM

Well Location: T25S / R33E / SEC 24 / SWSE / 32.1104623 / -103.5256081

County or Parish/State: LEA / NM

Well Number: 721H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM108504

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002546965

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: 2:04:06 PM

First Production Date: Jun 22, 2021

Wellbore Code	Completion Code
00	X1

US Well Number: 3002546965

First Production Remarks:
02/07/2021 RIG RELEASED
02/26/2021 MIRU TEST VOID TO 5000 PSI, SEALS AND FLANGES TO 8500 PSI
05/03/2021 BEGIN PERF AND FRAC
05/15/2021 FINISH 39 STAGES PERF & FRAC, 12,896 – 22,972' W/ 3 1/8" 2682 SHOTS,
FRAC 24,837,424 LBS PROPPANT + 481,846 BBLS LOAD FLUID
05/16/2021 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 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 and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-105 Revised August 1, 2011 1. WELL API NO. 30-025-46965 2. Type of Lease ☐ STATE ☐ FEE ☒ FED/INDIAN 3. State Oil & Gas Lease No.

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: 721H

7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER

8. Name of Operator: EOG RESOURCES INC

9. OGRID: 7377

10. Address of Operator: PO BOX 2267 MIDLAND, TEXAS 79702

11. Pool name or Wildcat: 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:	O	24	25S	33E		618'	SOUTH	2504'	EAST	LEA
BH:	B	13	25S	33E		110'	NORTH	1986'	EAST	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	02/06/2021	02/07/2021	06/23/2021	3331' 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 23,014' TVD 12,707'	MD 22,972' TVD 12,707'	YES	None

22. Producing Interval(s), of this completion - Top, Bottom, Name: WOLFCAMP 12,896 - 22,972'

23. **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	1213'	12 1/4"	525 CL C/CIRC	
7 5/8"	29.7# HCP 110	11,876'	8 3/4"	1560 CL C/ TOC 72' ECHO	
5 1/2"	20# ECP 110	22,982'	6 3/4"	990 CL H/TOC 8690' CBL	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number)

12,896 - 22,972' 3 1/8", 2682 holes

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
12,896 - 22,972	FRAC W/24,837,424 lbs proppant, 481,846 bbls load fld

28. **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		2803	5553	7865	1981

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (*Corr.*)
	3485					44

29. Disposition of Gas (*Sold, used for fuel, vented, etc.*): SOLD

30. Test Witnessed By

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 Kay Maddox Printed Name Kay Maddox Title Senior Regulatory Specialist Date 06/30/2021

E-mail Address kay_maddox@eogresources.com

INSTRUCTIONS

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.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy Rustler 1259'	T. Canyon Brushy 7961'	T. Ojo Alamo	T. Penn A"
T. Salt 1659'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 5138'	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 10,496'	T. Entrada	
T. Wolfcamp 12,543'	T. 2ND BONE SPRING SAND 11,078'	T. Wingate	
T. Penn	T. 3RD BONE SPRING SAND 12,103'	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from……………………….to…………………………. No. 3, from……………………….to…………………………

No. 2, from……………………….to…………………………. No. 4, from……………………….to…………………………

IMPORTANT WATER SANDS

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……………………………………

LITHOLOGY RECORD (Attach additional sheet if necessary)

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 34571

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 34571
	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
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Phone:(575) 748-1283 Fax:(575) 748-9720
District III
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District IV
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 34571

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	7377
	Action Number: 34571
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	8/20/2021