

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 02/20/2021	
⁴ API Number 30 - 025-46847	⁵ Pool Name BOBCAT DRAW; UPPER WOLFCAMP		⁶ Pool Code 98094
⁷ Property Code 326767	⁸ Property Name LAKEWOOD 28 FEDERAL COM		⁹ Well Number 701H

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
P	28	25S	34E		200	SOUTH	484	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
A	21	25S	34E		108	NORTH	322	EAST	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 03/07/2020	²² Ready Date 02/20/2021	²³ TD 22741'	²⁴ PBTD 22702'	²⁵ Perforations 12689-22702'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12 1/4	9 5/8"	1007'	540 SXS CL C/CIRC		
8 3/4"	7 5/8"	11,977'	1537 SXS CL C&H/CIRC TOC 79'		
6 3/4"	5 1/2"	22,718'	1095 SXS CL H TOC 8978' CBL		

V. Well Test Data

³¹ Date New Oil 02/20/2021	³² Gas Delivery Date 02/20/2021	³³ Test Date 03/04/2021	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 1169
³⁷ Choke Size 60	³⁸ Oil 3044	³⁹ Water 6844	⁴⁰ Gas 4584		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 Printed name: Kay Maddox Title: SENIOR REGULATORY SPECIALIST E-mail Address: kay_maddox@eogresources.com Date: 03/16/2021	OIL CONSERVATION DIVISION Approved by: KURT SIMMONS Title: NMOCD, SANTA FE Approval Date: 06/14/2021	
		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 30-025-46847	² Pool Code 98094	³ Pool Name BOBCAT DRAW; UPPER WOLFCAMP
⁴ Property Code 326767	⁵ Property Name LAKEWOOD 28 FED COM	
⁷ GRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁶ Well Number #701H ⁹ Elevation 3323'

¹⁰Surface Location

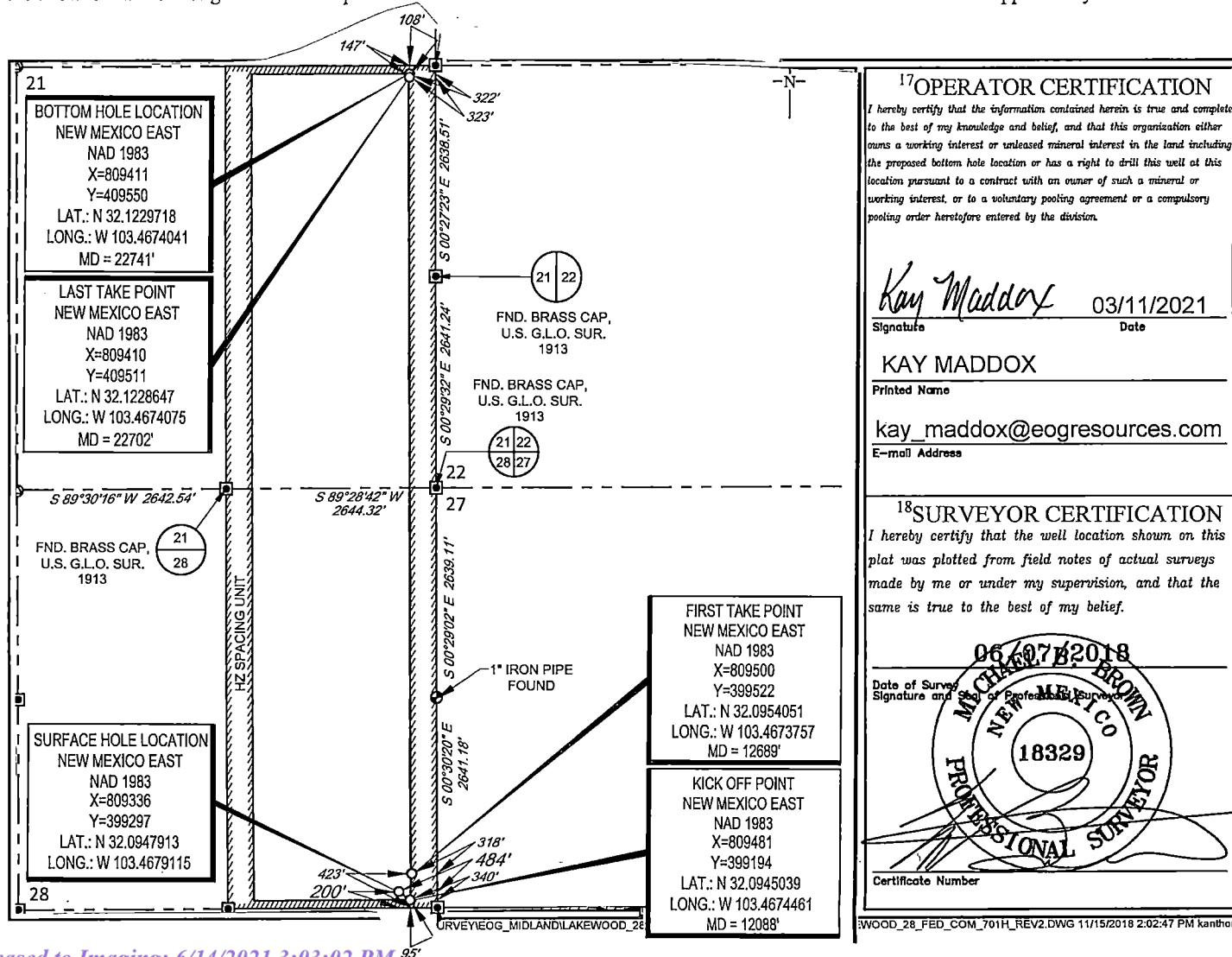
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	28	25-S	34-E	-	200'	SOUTH	484'	EAST	LEA

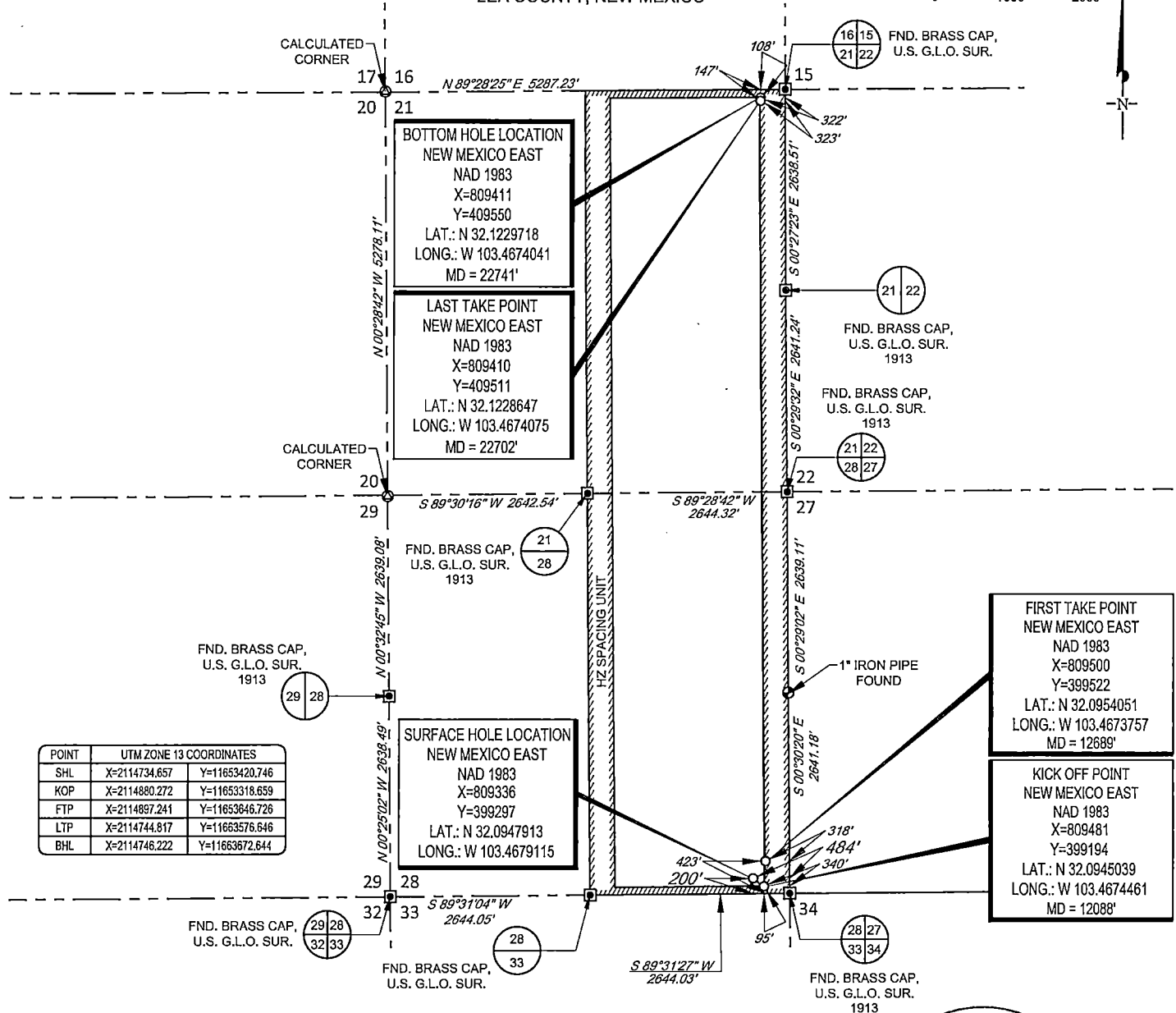
¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	21	25-S	34-E	-	108'	NORTH	322'	EAST	LEA

¹² Dedicated Acres 640.00	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.



SECTION 28, TOWNSHIP 25-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICOSCALE: 1" = 2000'
0' 1000' 2000'

POINT	UTM ZONE 13 COORDINATES
SHL	X=2114734.657 Y=11653420.746
KOP	X=2114880.272 Y=11653318.659
FTP	X=2114897.241 Y=11653646.726
LTP	X=2114744.817 Y=11663576.646
BHL	X=2114746.222 Y=11663672.644

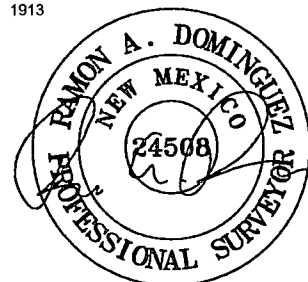
LEASE NAME & WELL NO.: LAKEWOOD FED COM 701H
 SECTION 28 TWP 25-S RGE 34-E SURVEY N.M.P.M.
 COUNTY LEA STATE NM ELEVATION 3323'
 DESCRIPTION 200' FSL & 484' FEL



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

eoog resources, inc.



Ramon A. Dominguez, P.S. No. 24508
 FEBRUARY 16, 2021

LAKEWOOD FED COM 701H AS-COMPLETED DATE: 02/16/2021 FILE: AD_LAKEWOOD_28_FED_COM_701H_REV1 DRAWN BY: A.V.F. SHEET: 1 OF 1	REVISION:	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.

Z:\SURVEY\EOG_MIDLAND\LAKEWOOD_28_FED_COM\FINAL_PRODUCTS\AD_LAKEWOOD_28_FED_COM_701H_REV1.DWG 3/11/2021 1:30:54 PM eochoc



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Lakewood 28 Fed Com

#701H

OH

Design: OH

Final PVA

26 December, 2020



EOG Resources

Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3348.0usft
Site:	Lakewood 28 Fed Com	MD Reference:	KB = 25 @ 3348.0usft
Well:	#701H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

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		Lakewood 28 Fed Com								
Site Position:		Northing:		399,297.00	usft	Latitude:	32° 5' 41.246 N			
From:	Map	Easting:		809,336.00	usft	Longitude:	103° 28' 4.482 W			
Position Uncertainty:		0.0	usft	Slot Radius:		13-3/16	"	Grid Convergence:	0.46	°

Well		#701H				
Well Position	+N/-S	0.0 usft	Northing:	399,297.00 usft	Latitude:	32° 5' 41.246 N
	+E/-W	0.0 usft	Easting:	809,336.00 usft	Longitude:	103° 28' 4.482 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,323.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/31/2018	6.73	59.94	47,714.73630320

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	0.37

Survey Program		Date	12/26/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
184.0	22,741.0	Scientific MWD #1 (OH)	EOG MWD+IFR1	MWD + IFR1	



EOG Resources

Final PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Lakewood 28 Fed Com
Well: #701H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #701H
TVD Reference: KB = 25 @ 3348.0usft
MD Reference: KB = 25 @ 3348.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14

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	
184.0	0.72	61.09	184.0	0.6	1.0	0.39	0.39	0.00	-1.2	0.0	
277.0	0.64	55.72	277.0	1.1	2.0	0.11	-0.09	-5.77	-2.3	-0.2	
370.0	0.41	71.48	370.0	1.5	2.7	0.29	-0.25	16.95	-3.0	0.6	
462.0	0.56	84.05	462.0	1.7	3.5	0.20	0.16	13.66	-3.6	1.3	
555.0	0.54	83.37	555.0	1.8	4.3	0.02	-0.02	-0.73	-4.5	1.3	
648.0	0.59	88.25	648.0	1.8	5.3	0.07	0.05	5.25	-5.3	1.7	
821.0	0.50	97.22	821.0	1.8	6.9	0.07	-0.05	5.18	-6.6	2.6	
947.0	0.26	102.06	947.0	1.6	7.7	0.19	-0.19	3.84	-7.2	3.2	
1,055.0	0.24	234.42	1,055.0	1.5	7.8	0.42	-0.02	122.56	7.2	3.3	
1,150.0	0.38	245.35	1,150.0	1.2	7.3	0.16	0.15	11.51	7.2	1.9	
1,244.0	0.67	196.70	1,244.0	0.6	6.9	0.54	0.31	-51.76	2.5	6.4	
1,339.0	0.83	222.24	1,338.9	-0.5	6.3	0.39	0.17	26.88	3.9	5.0	
1,434.0	0.71	195.60	1,433.9	-1.6	5.6	0.39	-0.13	-28.04	0.0	5.9	
1,529.0	0.60	183.90	1,528.9	-2.6	5.5	0.18	-0.12	-12.32	-2.2	5.6	
1,624.0	0.69	196.17	1,623.9	-3.7	5.3	0.17	0.09	12.92	-2.1	6.1	
1,719.0	1.17	199.31	1,718.9	-5.1	4.8	0.51	0.51	3.31	-3.3	6.2	
1,813.0	1.11	195.01	1,812.9	-6.9	4.2	0.11	-0.06	-4.57	-5.6	5.9	
1,908.0	1.07	194.11	1,907.9	-8.7	3.8	0.05	-0.04	-0.95	-7.5	5.8	
2,003.0	0.90	196.98	2,002.9	-10.2	3.3	0.19	-0.18	3.02	-8.8	6.2	
2,098.0	1.23	179.18	2,097.8	-12.0	3.1	0.49	0.35	-18.74	-12.0	3.0	
2,192.0	1.04	170.01	2,191.8	-13.8	3.3	0.28	-0.20	-9.76	-14.2	0.9	
2,287.0	1.40	168.66	2,286.8	-15.8	3.7	0.38	0.38	-1.42	-16.2	0.5	
2,382.0	1.52	149.49	2,381.8	-18.0	4.5	0.53	0.13	-20.18	-17.8	-5.2	
2,476.0	1.72	138.50	2,475.7	-20.2	6.1	0.39	0.21	-11.69	-19.1	-8.8	
2,571.0	1.85	124.28	2,570.7	-22.1	8.3	0.48	0.14	-14.97	-19.3	-13.6	
2,666.0	1.90	109.88	2,665.6	-23.5	11.1	0.50	0.05	-15.16	-18.4	-18.3	



EOG Resources

Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3348.0usft
Site:	Lakewood 28 Fed Com	MD Reference:	KB = 25 @ 3348.0usft
Well:	#701H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

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)
2,761.0	2.25	100.64	2,760.6	-24.4	14.4	0.51	0.37	-9.73	-18.6	-21.3
2,856.0	2.56	89.76	2,855.5	-24.7	18.3	0.58	0.33	-11.45	-18.2	-24.8
2,951.0	2.72	80.90	2,950.4	-24.3	22.7	0.46	0.17	-9.33	-18.5	-27.6
3,046.0	2.94	114.41	3,045.3	-25.0	27.1	1.73	0.23	35.27	-34.7	-11.4
3,140.0	3.58	111.84	3,139.1	-27.1	32.1	0.70	0.68	-2.73	-36.6	-11.9
3,235.0	4.33	116.17	3,233.9	-29.8	38.0	0.85	0.79	4.56	-38.0	-7.1
3,330.0	6.35	121.78	3,328.5	-34.1	45.7	2.19	2.13	5.91	-38.2	-1.1
3,425.0	8.28	119.39	3,422.7	-40.2	56.1	2.06	2.03	-2.52	-40.6	-0.6
3,520.0	7.34	128.46	3,516.8	-47.4	66.8	1.63	-0.99	9.55	-43.2	7.7
3,615.0	7.67	137.43	3,611.0	-55.8	75.9	1.28	0.35	9.44	-43.9	14.5
3,710.0	8.09	143.66	3,705.1	-65.9	84.1	1.00	0.44	6.56	-45.3	18.1
3,804.0	8.07	138.30	3,798.2	-76.1	92.4	0.80	-0.02	-5.70	-50.2	12.3
3,899.0	7.40	116.32	3,892.4	-83.8	102.4	3.17	-0.71	-23.14	-54.0	-6.9
3,993.0	5.68	101.37	3,985.7	-87.4	112.4	2.56	-1.83	-15.90	-52.6	-16.9
4,088.0	4.00	99.26	4,080.4	-88.9	120.2	1.78	-1.77	-2.22	-51.7	-13.5
4,183.0	3.48	155.77	4,175.2	-92.0	124.7	3.76	-0.55	59.48	-35.5	34.5
4,278.0	2.04	157.20	4,270.1	-96.2	126.5	1.52	-1.52	1.51	-30.1	31.4
4,373.0	3.55	130.53	4,365.0	-99.7	129.4	2.06	1.59	-28.07	-35.5	14.3
4,467.0	5.53	106.88	4,458.7	-102.9	136.0	2.86	2.11	-25.16	-36.6	2.1
4,562.0	5.22	110.56	4,553.3	-105.8	144.4	0.49	-0.33	3.87	-36.1	8.6
4,657.0	4.70	106.07	4,647.9	-108.3	152.2	0.68	-0.55	-4.73	-36.1	9.9
4,751.0	1.93	107.07	4,741.8	-109.9	157.4	2.95	-2.95	1.06	-32.5	15.0
4,846.0	4.24	147.12	4,836.6	-113.3	160.8	3.19	2.43	42.16	-10.4	31.0
4,941.0	6.49	130.49	4,931.2	-119.7	166.8	2.86	2.37	-17.51	-17.6	26.2
5,036.0	8.98	132.39	5,025.4	-128.2	176.4	2.63	2.62	2.00	-19.6	27.1
5,131.0	4.28	147.38	5,119.7	-136.2	183.8	5.23	-4.95	15.78	-14.5	31.0
5,226.0	2.23	273.35	5,214.6	-139.1	183.8	6.18	-2.16	132.60	29.8	-7.1



EOG Resources

Final PVA

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Site:	Lakewood 28 Fed Com	MD Reference:	KB = 25 @ 3348.0usft
Well:	#701H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

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)
5,320.0	2.57	273.11	5,308.5	-138.9	179.9	0.36	0.36	-0.26	24.1	-8.4
5,415.0	2.11	272.10	5,403.5	-138.7	176.0	0.49	-0.48	-1.06	20.4	-8.1
5,510.0	1.83	261.47	5,498.4	-138.8	172.8	0.48	-0.29	-11.19	18.3	-4.5
5,605.0	1.67	266.27	5,593.3	-139.2	169.9	0.23	-0.17	5.05	14.9	-5.9
5,700.0	1.59	259.43	5,688.3	-139.5	167.2	0.22	-0.08	-7.20	12.8	-4.2
5,794.0	1.80	251.53	5,782.3	-140.2	164.5	0.33	0.22	-8.40	10.5	-2.6
5,890.0	1.65	242.83	5,878.2	-141.3	161.9	0.31	-0.16	-9.06	7.9	-1.2
5,984.0	1.56	254.19	5,972.2	-142.3	159.5	0.35	-0.10	12.09	4.9	-2.5
6,079.0	1.60	255.91	6,067.2	-143.0	156.9	0.07	0.04	1.81	2.2	-2.6
6,174.0	1.50	251.93	6,162.1	-143.7	154.5	0.15	-0.11	-4.19	-0.2	-2.5
6,269.0	1.32	250.23	6,257.1	-144.4	152.2	0.19	-0.19	-1.79	-2.4	-2.6
6,364.0	1.37	237.59	6,352.1	-145.4	150.3	0.32	0.05	-13.31	-4.0	-3.3
6,458.0	1.26	232.96	6,446.0	-146.6	148.5	0.16	-0.12	-4.93	-5.9	-3.7
6,553.0	0.68	357.26	6,541.0	-146.7	147.6	1.83	-0.61	130.84	0.3	7.8
6,648.0	1.34	32.13	6,636.0	-145.2	148.2	0.92	0.69	36.71	3.1	6.5
6,743.0	1.98	36.77	6,731.0	-142.9	149.8	0.69	0.67	4.88	0.9	6.4
6,838.0	1.76	44.31	6,825.9	-140.6	151.8	0.35	-0.23	7.94	-1.3	6.4
6,933.0	1.62	44.19	6,920.9	-138.6	153.7	0.15	-0.15	-0.13	-4.2	6.4
7,028.0	1.83	43.63	7,015.8	-136.5	155.7	0.22	0.22	-0.59	-7.1	6.3
7,122.0	1.54	44.94	7,109.8	-134.5	157.6	0.31	-0.31	1.39	-9.7	6.5
7,217.0	1.61	47.16	7,204.8	-132.7	159.5	0.10	0.07	2.34	-12.0	7.0
7,312.0	1.40	47.55	7,299.7	-131.0	161.3	0.22	-0.22	0.41	-14.5	7.0
7,407.0	1.47	56.73	7,394.7	-129.6	163.2	0.25	0.07	9.66	-15.5	9.5
7,502.0	1.33	48.98	7,489.7	-128.2	165.1	0.25	-0.15	-8.16	-19.0	7.1
7,597.0	1.04	61.63	7,584.7	-127.0	166.7	0.41	-0.31	13.32	-18.9	11.3
7,691.0	0.99	61.61	7,678.6	-126.3	168.1	0.05	-0.05	-0.02	-20.6	11.3
7,786.0	0.81	25.59	7,773.6	-125.3	169.1	0.61	-0.19	-37.92	-24.6	-3.4



EOG Resources

Final PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Lakewood 28 Fed Com
Well: #701H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #701H
TVD Reference: KB = 25 @ 3348.0usft
MD Reference: KB = 25 @ 3348.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14

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)	
7,881.0	1.20	4.83	7,868.6	-123.7	169.5	0.56	0.41	-21.85	-23.4	-12.2	
7,976.0	0.67	354.81	7,963.6	-122.1	169.5	0.58	-0.56	-10.55	-22.5	-16.2	
8,071.0	0.22	36.16	8,058.6	-121.4	169.6	0.55	-0.47	43.53	-28.2	3.0	
8,166.0	0.51	211.81	8,153.6	-121.6	169.5	0.77	0.31	184.89	28.1	-0.9	
8,260.0	0.59	229.90	8,247.6	-122.3	168.9	0.20	0.09	19.24	25.6	-9.4	
8,355.0	1.07	195.26	8,342.6	-123.5	168.3	0.71	0.51	-36.46	25.1	6.5	
8,450.0	1.33	177.61	8,437.6	-125.4	168.1	0.47	0.27	-18.58	20.0	13.5	
8,544.0	1.35	174.52	8,531.5	-127.6	168.2	0.08	0.02	-3.29	17.1	14.5	
8,639.0	1.48	173.01	8,626.5	-129.9	168.5	0.14	0.14	-1.59	14.3	15.0	
8,734.0	1.11	173.48	8,721.5	-132.1	168.8	0.39	-0.39	0.49	12.3	14.9	
8,829.0	1.66	178.84	8,816.5	-134.4	168.9	0.59	0.58	5.64	11.4	13.7	
8,924.0	0.94	181.03	8,911.4	-136.5	168.9	0.76	-0.76	2.31	9.7	13.3	
9,019.0	0.71	204.23	9,006.4	-137.8	168.6	0.42	-0.24	24.42	12.9	8.7	
9,114.0	0.44	212.45	9,101.4	-138.7	168.2	0.30	-0.28	8.65	13.0	6.9	
9,208.0	0.65	221.98	9,195.4	-139.4	167.7	0.24	0.22	10.14	13.1	4.7	
9,303.0	0.24	138.74	9,290.4	-139.9	167.4	0.70	-0.43	-87.62	-3.4	13.0	
9,398.0	0.13	5.96	9,385.4	-140.0	167.6	0.36	-0.12	-139.77	-7.3	-11.5	
9,493.0	0.11	237.97	9,480.4	-139.9	167.5	0.23	-0.02	-134.73	13.5	1.3	
9,588.0	0.70	166.91	9,575.4	-140.5	167.6	0.71	0.62	-74.80	2.6	13.1	
9,682.0	0.70	97.41	9,669.4	-141.2	168.3	0.85	0.00	-73.94	-12.1	6.5	
9,778.0	1.42	78.49	9,765.4	-141.0	170.0	0.82	0.75	-19.71	-15.3	2.0	
9,873.0	2.02	68.21	9,860.3	-140.1	172.7	0.71	0.63	-10.82	-18.3	-1.0	
9,968.0	1.92	53.81	9,955.3	-138.6	175.6	0.53	-0.11	-15.16	-20.6	-5.9	
10,063.0	2.34	50.58	10,050.2	-136.4	178.3	0.46	0.44	-3.40	-23.8	-7.2	
10,157.0	2.16	39.81	10,144.1	-133.8	181.0	0.49	-0.19	-11.46	-25.7	-11.8	
10,251.0	1.75	41.41	10,238.1	-131.4	183.0	0.44	-0.44	1.70	-29.2	-11.1	
10,347.0	0.85	320.96	10,334.1	-129.7	183.6	1.89	-0.94	-83.80	5.1	-32.1	



EOG Resources

Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3348.0usft
Site:	Lakewood 28 Fed Com	MD Reference:	KB = 25 @ 3348.0usft
Well:	#701H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

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)
10,441.0	0.58	312.68	10,428.1	-128.9	182.8	0.31	-0.29	-8.81	8.5	-31.1
10,536.0	1.63	301.91	10,523.0	-127.8	181.3	1.12	1.11	-11.34	12.4	-29.1
10,631.0	1.85	297.08	10,618.0	-126.4	178.8	0.28	0.23	-5.08	11.9	-28.1
10,726.0	2.58	329.94	10,712.9	-123.9	176.3	1.51	0.77	34.59	-8.7	-29.2
10,821.0	2.99	324.24	10,807.8	-120.0	173.8	0.52	0.43	-6.00	-10.3	-30.1
10,915.0	2.50	316.97	10,901.7	-116.5	171.0	0.64	-0.52	-7.73	-10.9	-31.5
11,010.0	1.52	304.70	10,996.7	-114.3	168.5	1.12	-1.03	-12.92	-7.3	-33.5
11,104.0	1.31	296.70	11,090.6	-113.1	166.5	0.31	-0.22	-8.51	-4.8	-34.4
11,199.0	2.45	260.64	11,185.6	-112.9	163.6	1.67	1.20	-37.96	13.4	-31.3
11,294.0	2.29	330.46	11,280.5	-111.6	160.6	2.86	-0.17	73.49	-27.3	-21.5
11,388.0	2.75	352.63	11,374.4	-107.8	159.4	1.14	0.49	23.59	-37.4	-8.9
11,483.0	1.31	13.25	11,469.4	-104.4	159.4	1.68	-1.52	21.71	-41.4	5.7
11,578.0	0.93	345.39	11,564.3	-102.6	159.4	0.69	-0.40	-29.33	-40.9	-14.8
11,673.0	1.10	284.86	11,659.3	-101.7	158.3	1.09	0.18	-63.72	-8.5	-43.6
11,768.0	2.62	246.58	11,754.3	-102.3	155.5	1.98	1.60	-40.29	17.4	-40.1
11,863.0	2.27	257.47	11,849.2	-103.6	151.6	0.61	-0.37	11.46	5.5	-42.3
11,921.0	1.80	268.82	11,907.2	-103.8	149.6	1.06	-0.81	19.57	-4.9	-42.3
12,036.0	1.64	274.07	12,022.1	-103.7	146.2	0.20	-0.14	4.57	-12.2	-41.5
12,080.0	1.20	290.12	12,066.1	-103.5	145.1	1.34	-1.00	36.48	-24.3	-36.3
12,088.0	1.46	321.62	12,074.1	-103.4	145.0	9.57	3.28	393.73	-39.9	-18.2
KOP (MD=12088.0') - KOP (LW 28 FC #701H)										
12,158.1	7.64	7.64	12,144.0	-98.1	145.0	9.57	8.81	65.65	-41.8	16.0
HL Crossing, MD:12158.1', TVD:12144.0', N/S:-98.1', E/W:145.0', INC:7.64										
12,175.0	9.24	9.22	12,160.7	-95.7	145.4	9.57	9.47	9.37	-41.4	16.7
12,270.0	22.41	5.40	12,251.9	-70.0	148.3	13.90	13.86	-4.02	-45.1	10.8
12,364.0	37.24	2.67	12,333.2	-23.5	151.4	15.84	15.78	-2.90	-54.1	5.6
12,459.0	43.91	5.85	12,405.3	38.1	156.1	7.35	7.02	3.35	-63.4	3.1



EOG Resources

Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3348.0usft
Site:	Lakewood 28 Fed Com	MD Reference:	KB = 25 @ 3348.0usft
Well:	#701H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

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)	
12,517.3	49.98	5.38	12,445.1	80.5	160.2	10.42	10.40	-0.81	-67.0	-2.0	
FTP (LW 28 FC #701H)											
12,554.0	53.79	5.12	12,467.8	109.2	162.9	10.42	10.40	-0.70	-69.0	-5.4	
12,648.0	60.41	358.79	12,518.8	188.0	165.4	9.03	7.04	-6.73	-69.7	-13.2	
12,743.0	61.43	357.25	12,565.0	271.0	162.5	1.78	1.07	-1.62	-59.6	-11.6	
12,837.0	67.80	358.56	12,605.3	355.8	159.4	6.89	6.78	1.39	-38.9	-8.6	
12,932.0	79.72	357.84	12,631.8	446.8	156.5	12.57	12.55	-0.76	-17.1	-6.3	
13,027.0	83.96	357.05	12,645.3	540.7	152.4	4.54	4.46	-0.83	-3.0	-2.8	
13,121.0	92.25	0.14	12,648.4	634.5	150.1	9.41	8.82	3.29	0.8	-1.3	
13,216.0	90.60	359.30	12,646.0	729.5	149.6	1.95	-1.74	-0.88	-0.9	-1.6	
13,311.0	91.54	357.45	12,644.2	824.4	146.9	2.18	0.99	-1.95	-2.0	0.3	
13,406.0	90.74	358.80	12,642.4	919.4	143.8	1.65	-0.84	1.42	-3.2	2.6	
13,500.0	87.95	358.45	12,643.4	1,013.3	141.5	2.99	-2.97	-0.37	-1.4	4.0	
13,595.0	89.03	0.02	12,645.9	1,108.3	140.3	2.01	1.14	1.65	1.8	4.5	
13,690.0	91.24	359.96	12,645.7	1,203.3	140.3	2.33	2.33	-0.06	2.2	3.7	
13,785.0	91.24	357.59	12,643.7	1,298.2	138.2	2.49	0.00	-2.49	0.8	4.9	
13,899.0	89.66	355.89	12,642.8	1,412.0	131.7	2.04	-1.39	-1.49	0.8	10.4	
13,993.0	90.80	359.47	12,642.4	1,505.9	127.9	4.00	1.21	3.81	1.1	13.4	
14,088.0	90.84	0.13	12,641.0	1,600.9	127.6	0.70	0.04	0.69	0.4	13.0	
14,183.0	91.44	0.23	12,639.1	1,695.9	127.9	0.64	0.63	0.11	-0.8	11.9	
14,277.0	88.59	0.61	12,639.1	1,789.9	128.6	3.06	-3.03	0.40	-0.2	10.4	
14,315.3	88.55	0.46	12,640.1	1,828.1	129.0	0.41	-0.11	-0.40	1.1	9.7	
TGT 1 (LW 28 FC #701H)											
14,372.0	88.49	0.23	12,641.5	1,884.8	129.3	0.41	-0.11	-0.40	3.0	8.9	
14,467.0	88.32	0.09	12,644.2	1,979.8	129.6	0.23	-0.18	-0.15	6.3	7.8	
14,562.0	89.00	0.12	12,646.4	2,074.8	129.7	0.72	0.72	0.03	9.3	6.8	
14,657.0	92.25	359.11	12,645.4	2,169.8	129.1	3.58	3.42	-1.06	9.0	6.6	



EOG Resources

Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3348.0usft
Site:	Lakewood 28 Fed Com	MD Reference:	KB = 25 @ 3348.0usft
Well:	#701H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

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)
14,752.0	93.45	359.23	12,640.6	2,264.6	127.7	1.27	1.26	0.13	5.0	7.2
14,846.0	91.65	359.64	12,636.5	2,358.5	126.8	1.96	-1.91	0.44	1.5	7.3
14,941.0	90.00	0.12	12,635.1	2,453.5	126.6	1.81	-1.74	0.51	0.9	6.7
15,036.0	90.70	359.97	12,634.5	2,548.5	126.7	0.75	0.74	-0.16	1.1	5.9
15,131.0	91.48	0.41	12,632.7	2,643.5	127.0	0.94	0.82	0.46	0.0	4.7
15,226.0	90.57	358.18	12,631.0	2,738.5	125.8	2.53	-0.96	-2.35	-1.0	5.1
15,320.0	91.11	357.96	12,629.6	2,832.4	122.6	0.62	0.57	-0.23	-1.6	7.5
15,415.0	90.40	359.40	12,628.4	2,927.4	120.5	1.69	-0.75	1.52	-2.2	8.8
15,510.0	89.56	0.58	12,628.4	3,022.4	120.4	1.52	-0.88	1.24	-1.4	8.1
15,604.0	90.07	0.80	12,628.7	3,116.4	121.6	0.59	0.54	0.23	-0.4	6.1
15,612.9	90.01	0.70	12,628.7	3,125.2	121.7	1.25	-0.64	-1.07	-0.3	5.9
TGT 2 (LW 28 FC #701H)										
15,699.0	89.46	359.78	12,629.1	3,211.4	122.1	1.25	-0.64	-1.07	0.5	4.8
15,794.0	90.00	359.67	12,629.5	3,306.3	121.6	0.58	0.57	-0.12	1.5	4.5
15,888.0	90.27	0.45	12,629.3	3,400.3	121.7	0.88	0.29	0.83	1.7	3.6
15,983.0	90.87	0.58	12,628.4	3,495.3	122.6	0.65	0.63	0.14	1.3	1.9
16,078.0	89.46	359.58	12,628.1	3,590.3	122.7	1.82	-1.48	-1.05	1.5	1.0
16,173.0	90.27	0.43	12,628.3	3,685.3	122.7	1.24	0.85	0.89	2.2	0.2
16,267.0	90.50	0.63	12,627.7	3,779.3	123.6	0.32	0.24	0.21	2.0	-1.5
16,362.0	91.14	1.41	12,626.3	3,874.3	125.3	1.06	0.67	0.82	1.1	-4.0
16,457.0	90.54	358.59	12,624.9	3,969.3	125.3	3.03	-0.63	-2.97	0.2	-4.8
16,551.0	91.61	358.97	12,623.2	4,063.2	123.3	1.21	1.14	0.40	-1.1	-3.6
16,657.0	89.13	358.50	12,622.5	4,169.2	120.9	2.38	-2.34	-0.44	-1.2	-2.2
16,751.0	90.10	358.08	12,623.1	4,263.2	118.1	1.12	1.03	-0.45	-0.1	-0.2
16,846.0	89.43	358.84	12,623.5	4,358.1	115.6	1.07	-0.71	0.80	0.8	1.6
16,941.0	90.40	358.05	12,623.7	4,453.1	113.0	1.32	1.02	-0.83	1.4	3.4
17,036.0	89.93	359.18	12,623.4	4,548.1	110.7	1.29	-0.49	1.19	1.6	4.9



EOG Resources

Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3348.0usft
Site:	Lakewood 28 Fed Com	MD Reference:	KB = 25 @ 3348.0usft
Well:	#701H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

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)
17,130.0	90.87	358.40	12,622.7	4,642.0	108.7	1.30	1.00	-0.83	1.4	6.0
17,225.0	89.63	0.39	12,622.3	4,737.0	107.7	2.47	-1.31	2.09	1.5	6.2
17,320.0	89.97	0.16	12,622.6	4,832.0	108.1	0.43	0.36	-0.24	2.3	5.0
17,415.0	90.90	0.37	12,621.9	4,927.0	108.6	1.00	0.98	0.22	2.1	3.7
17,509.0	88.99	0.33	12,622.0	5,021.0	109.2	2.03	-2.03	-0.04	2.6	2.4
17,586.3	89.49	359.13	12,623.0	5,098.3	108.8	1.68	0.64	-1.55	4.0	2.1
TGT 3 (LW 28 FC #701H)										
17,604.0	89.60	358.86	12,623.2	5,116.0	108.5	1.68	0.64	-1.55	4.3	2.2
17,699.0	89.90	0.18	12,623.6	5,211.0	107.7	1.42	0.32	1.39	5.9	2.2
17,793.0	91.11	359.37	12,622.8	5,305.0	107.3	1.55	1.29	-0.86	6.3	1.8
17,888.0	90.34	0.95	12,621.6	5,400.0	107.6	1.85	-0.81	1.66	6.2	0.7
17,983.0	90.94	0.65	12,620.5	5,495.0	108.9	0.71	0.63	-0.32	6.4	-1.4
18,077.0	90.47	0.55	12,619.3	5,588.9	109.9	0.51	-0.50	-0.11	6.4	-3.2
18,172.0	89.26	359.47	12,619.6	5,683.9	109.9	1.71	-1.27	-1.14	7.8	-4.0
18,266.0	89.93	359.59	12,620.2	5,777.9	109.1	0.72	0.71	0.13	9.6	-4.1
18,361.0	90.97	359.71	12,619.5	5,872.9	108.6	1.10	1.09	0.13	10.0	-4.3
18,456.0	90.50	359.21	12,618.3	5,967.9	107.7	0.72	-0.49	-0.53	10.0	-4.2
18,551.0	91.04	358.49	12,617.0	6,062.9	105.8	0.95	0.57	-0.76	9.9	-3.1
18,646.0	91.64	358.57	12,614.8	6,157.8	103.3	0.64	0.63	0.08	8.9	-1.5
18,742.0	92.55	359.27	12,611.3	6,253.7	101.5	1.20	0.95	0.73	6.6	-0.5
18,837.0	90.74	357.90	12,608.5	6,348.7	99.2	2.39	-1.91	-1.44	5.0	1.1
18,933.0	89.77	356.07	12,608.1	6,444.5	94.1	2.16	-1.01	-1.91	5.8	5.3
19,029.0	91.47	359.73	12,607.1	6,540.4	90.6	4.20	1.77	3.81	5.9	8.0
19,125.0	90.37	359.88	12,605.5	6,636.4	90.3	1.16	-1.15	0.16	5.6	7.5
19,201.2	91.38	0.01	12,604.4	6,712.6	90.2	1.33	1.32	0.17	5.4	7.0
TGT 4 (LW 28 FC #701H)										
19,221.0	91.64	0.04	12,603.8	6,732.4	90.2	1.33	1.32	0.17	5.0	6.8



EOG Resources

Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3348.0usft
Site:	Lakewood 28 Fed Com	MD Reference:	KB = 25 @ 3348.0usft
Well:	#701H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

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)	
19,316.0	89.16	359.95	12,603.2	6,827.4	90.2	2.61	-2.61	-0.09	4.6	6.0	
19,410.0	89.83	0.29	12,604.0	6,921.4	90.4	0.80	0.71	0.36	5.7	5.0	
19,505.0	89.56	0.05	12,604.5	7,016.4	90.7	0.38	-0.28	-0.25	6.5	3.9	
19,601.0	90.00	0.02	12,604.9	7,112.4	90.7	0.46	0.46	-0.03	7.1	3.0	
19,696.0	91.04	359.92	12,604.0	7,207.4	90.7	1.10	1.09	-0.11	6.5	2.3	
19,792.0	90.67	359.95	12,602.6	7,303.4	90.6	0.39	-0.39	0.03	5.4	1.6	
19,887.0	92.11	359.87	12,600.3	7,398.3	90.4	1.52	1.52	-0.08	3.3	0.9	
19,982.0	88.69	359.81	12,599.6	7,493.3	90.2	3.60	-3.60	-0.06	2.9	0.4	
20,078.0	89.26	359.41	12,601.3	7,589.3	89.5	0.73	0.59	-0.42	4.9	0.2	
20,172.0	89.09	359.39	12,602.7	7,683.3	88.5	0.18	-0.18	-0.02	6.5	0.4	
20,267.0	90.10	359.22	12,603.4	7,778.3	87.4	1.08	1.06	-0.18	7.5	0.7	
20,363.0	91.41	0.23	12,602.1	7,874.3	86.9	1.72	1.36	1.05	6.5	0.4	
20,458.0	90.87	359.85	12,600.2	7,969.3	87.0	0.70	-0.57	-0.40	4.8	-0.5	
20,554.0	91.44	0.03	12,598.3	8,065.2	86.9	0.62	0.59	0.19	3.2	-1.2	
20,650.0	92.14	359.23	12,595.3	8,161.2	86.3	1.11	0.73	-0.83	0.4	-1.4	
20,745.0	89.73	359.35	12,593.7	8,256.2	85.1	2.54	-2.54	0.13	-0.8	-1.0	
20,841.0	91.21	359.05	12,592.9	8,352.1	83.7	1.57	1.54	-0.31	-1.4	-0.5	
20,935.0	89.03	358.88	12,592.7	8,446.1	82.1	2.33	-2.32	-0.18	-1.3	0.4	
21,030.0	89.83	359.06	12,593.7	8,541.1	80.3	0.86	0.84	0.19	-0.1	1.3	
21,124.0	90.54	358.69	12,593.4	8,635.1	78.5	0.85	0.76	-0.39	-0.1	2.3	
21,219.0	91.84	359.62	12,591.4	8,730.0	77.1	1.68	1.37	0.98	-1.8	2.9	
21,314.0	90.40	358.01	12,589.6	8,825.0	75.1	2.27	-1.52	-1.69	-3.4	4.1	
21,408.0	92.18	358.71	12,587.4	8,918.9	72.4	2.03	1.89	0.74	-5.3	6.0	
21,503.0	91.21	0.14	12,584.6	9,013.9	71.5	1.82	-1.02	1.51	-7.8	6.1	
21,598.0	87.39	0.28	12,585.8	9,108.9	71.8	4.02	-4.02	0.15	-6.4	5.0	
21,693.0	89.26	359.09	12,588.6	9,203.8	71.3	2.33	1.97	-1.25	-3.4	4.7	
21,788.0	88.39	359.76	12,590.5	9,298.8	70.4	1.16	-0.92	0.71	-1.1	4.8	



EOG Resources

Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3348.0usft
Site:	Lakewood 28 Fed Com	MD Reference:	KB = 25 @ 3348.0usft
Well:	#701H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

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)
21,882.0	89.23	359.96	12,592.5	9,392.8	70.1	0.92	0.89	0.21	1.1	4.3
21,977.0	90.20	359.89	12,592.9	9,487.8	70.0	1.02	1.02	-0.07	1.8	3.6
22,071.0	91.38	359.43	12,591.6	9,581.7	69.5	1.35	1.26	-0.49	0.8	3.3
22,166.0	92.08	359.80	12,588.8	9,676.7	68.8	0.83	0.74	0.39	-1.8	3.2
22,261.0	90.10	359.99	12,587.0	9,771.7	68.6	2.09	-2.08	0.20	-3.4	2.5
22,356.0	89.70	359.97	12,587.1	9,866.7	68.6	0.42	-0.42	-0.02	-2.9	1.8
22,451.0	90.23	0.59	12,587.2	9,961.7	69.1	0.86	0.56	0.65	-2.6	0.5
22,545.0	91.34	1.23	12,585.9	10,055.7	70.6	1.36	1.18	0.68	-3.6	-1.8
22,640.0	91.67	1.36	12,583.4	10,150.6	72.7	0.37	0.35	0.14	-5.9	-4.8
22,686.0	92.01	1.09	12,581.9	10,196.6	73.7	0.94	0.74	-0.59	-7.2	-6.1
Final MWD Survey (MD=22686.0')										
22,741.0	92.01	1.09	12,580.0	10,251.5	74.7	0.00	0.00	0.00	-9.0	-7.6
Final Projection to Bit (MD=22741.0') - PBHL (LW 28 FC #701H)										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,088.0	12,074.1	-103.4	145.0	KOP (MD=12088.0')
12,158.1	12,144.0	-98.1	145.0	HL Crossing, MD:12158.1', TVD:12144.0', N/S:-98.1', E/W:145.0', INC:7.64
22,686.0	12,581.9	10,196.6	73.7	Final MWD Survey (MD=22686.0')
22,741.0	12,580.0	10,251.5	74.7	Final Projection to Bit (MD=22741.0')

Checked By: _____ Approved By: _____ Date: _____

I certify this survey to be true and correct to the best of my belief and knowledge.

Kay Maddox 3/11/2021



Lea County, NM (NAD 83 NME)

Lakewood 28 Fed Com #701H

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: #701H

KB = 25 @ 3348.0usft
Northing 399297.00 Easting 809336.00 Latitude 32° 5' 41.246 N Longitude 103° 28' 4.482 W

SECTION DETAILS

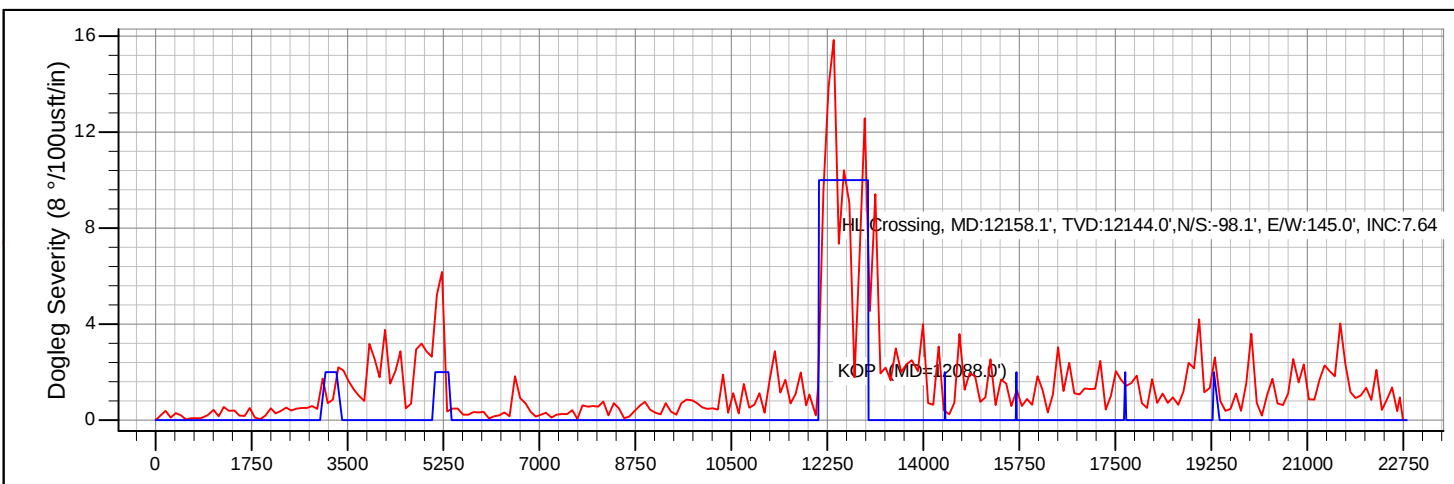
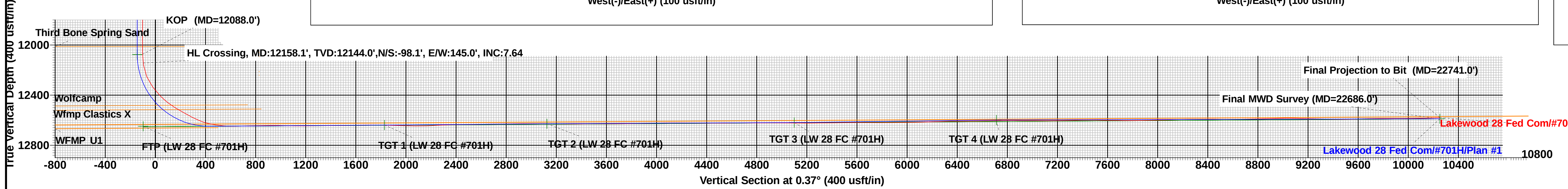
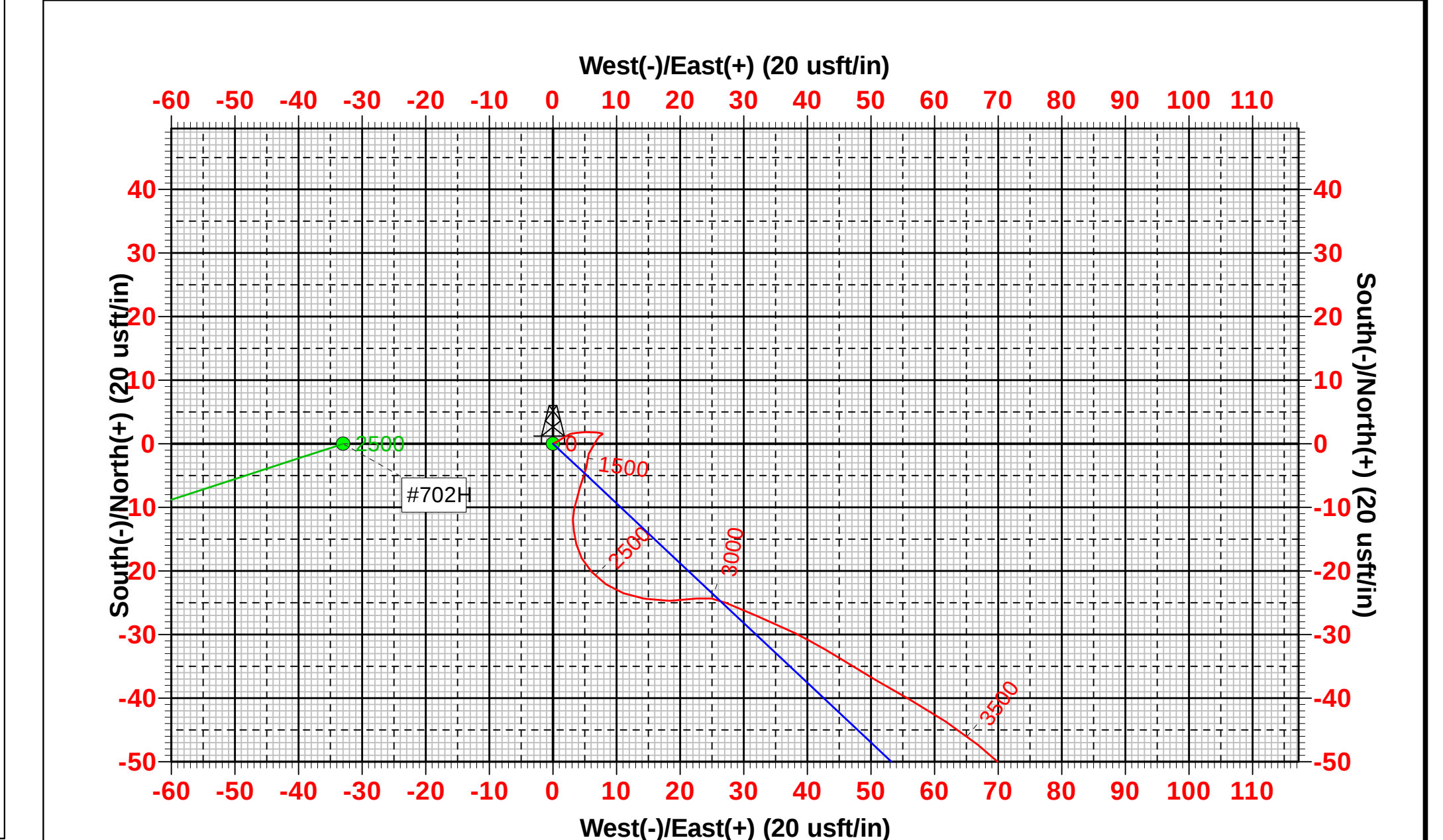
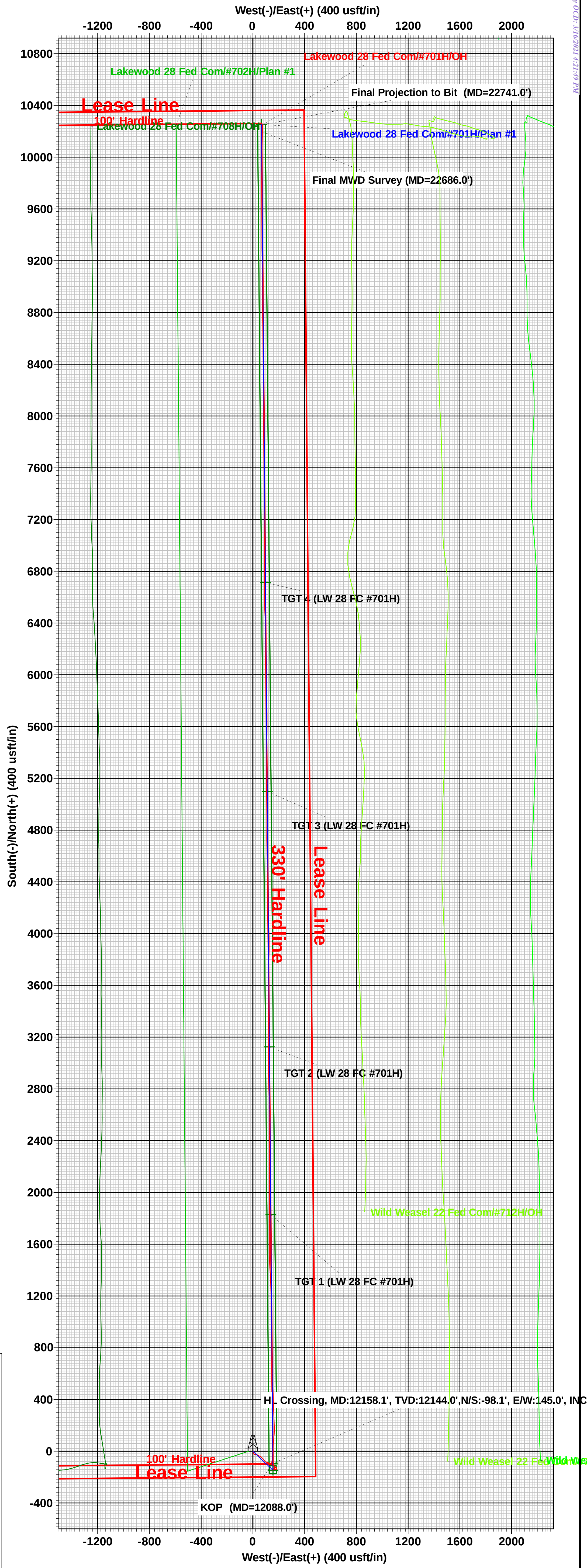
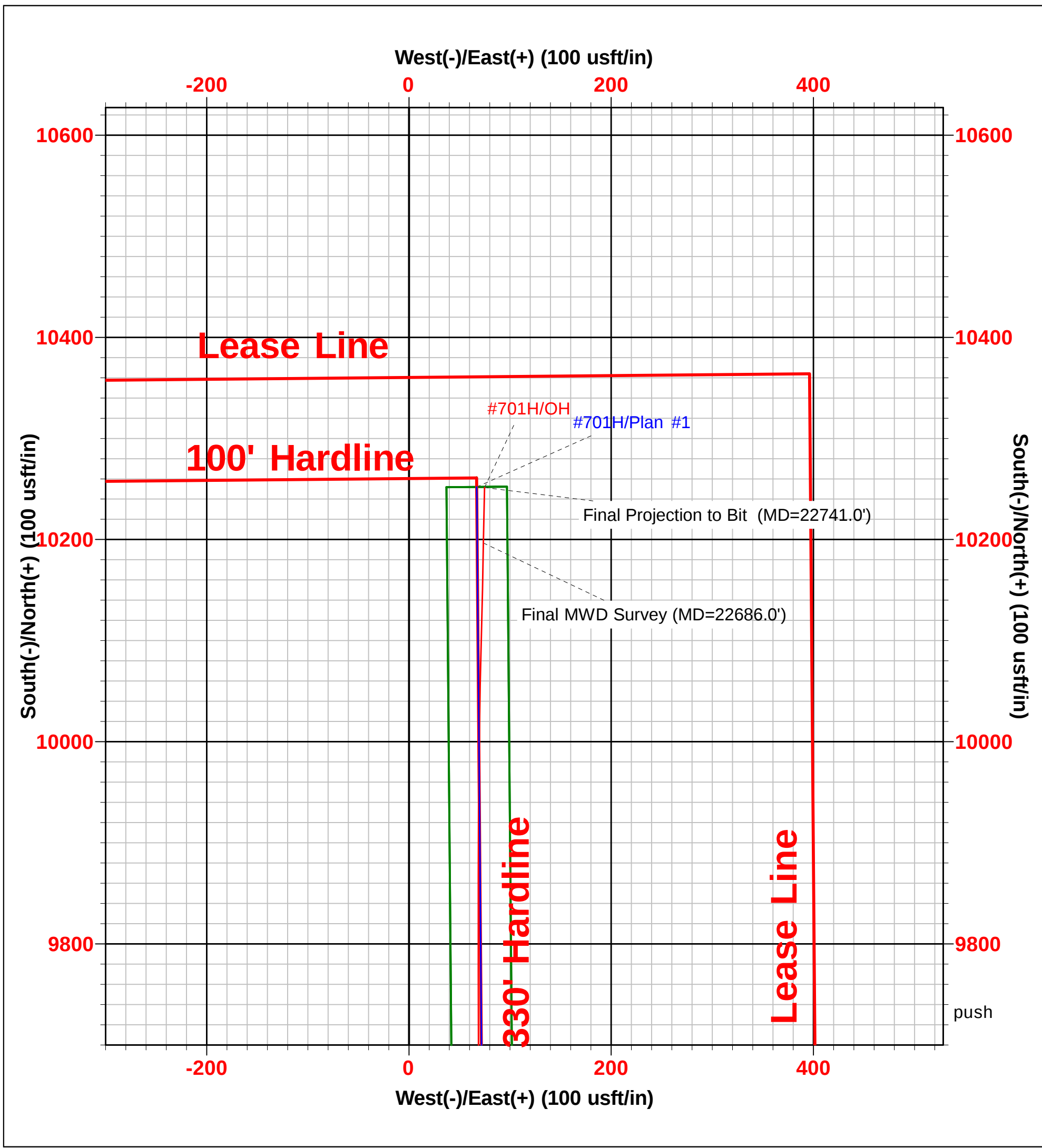
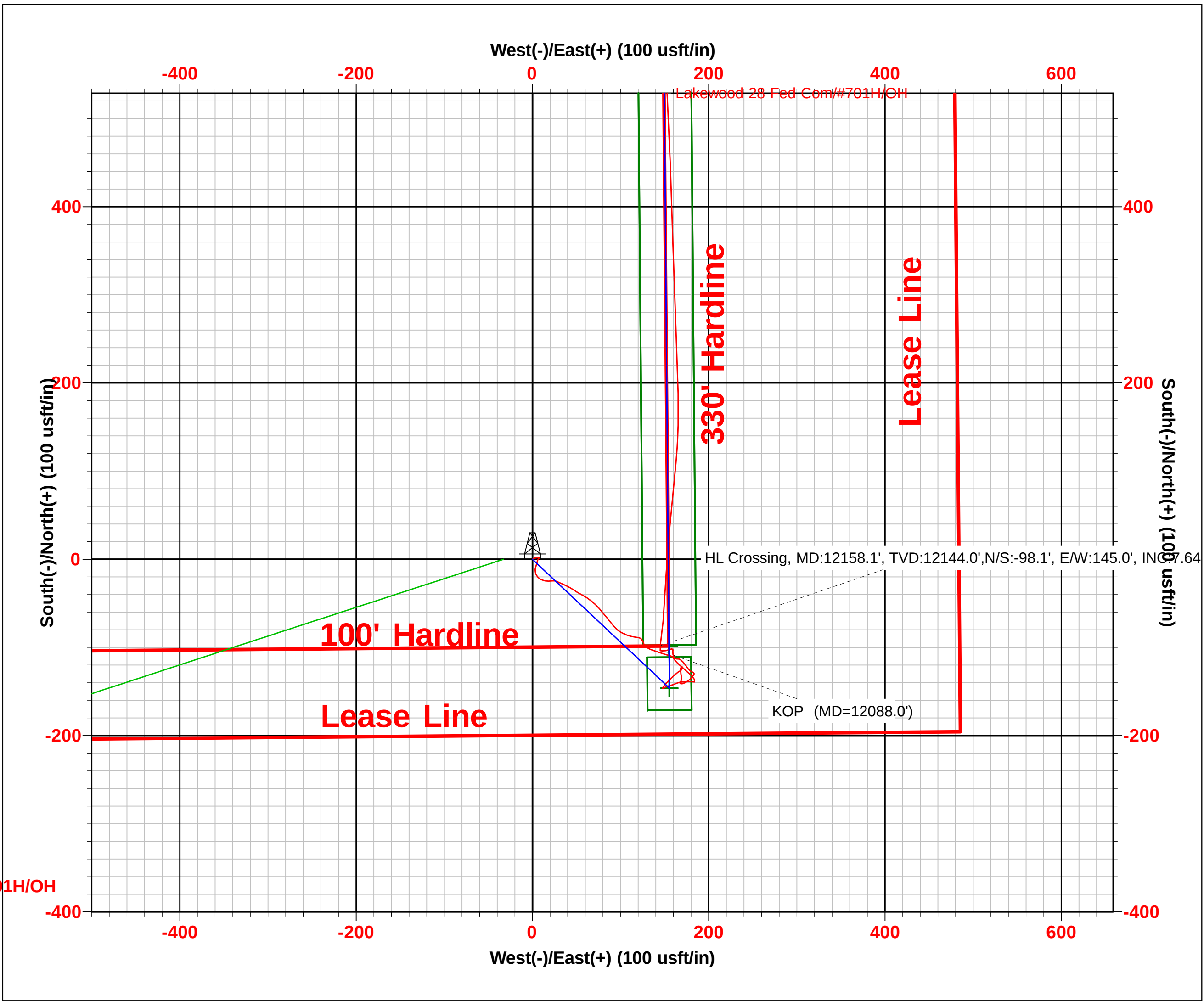
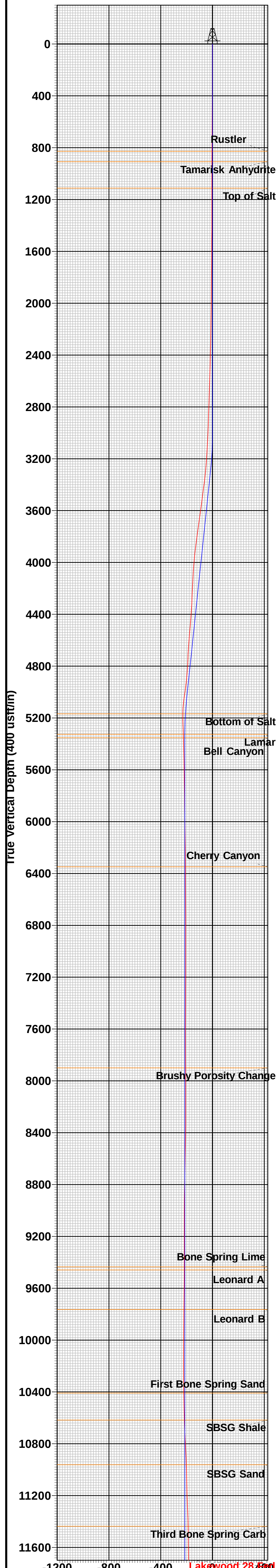
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0	
3	3299.8	6.00	133.21	3299.3	-10.7	11.4	2.00	133.21	-10.7	
4	5040.8	6.00	133.21	5030.7	-135.3	144.0	0.00	0.00	-134.3	
5	5340.6	0.00	0.00	5330.0	-146.0	155.4	2.00	180.00	-145.0	
6	12086.7	0.00	0.00	12076.1	-146.0	155.4	0.00	0.00	-145.0	KOP (LW 28 FC #701H)
7	12990.8	90.41	359.51	12649.0	431.1	150.5	10.00	359.51	432.0	
8	14388.0	90.41	359.51	12639.0	1828.1	138.6	0.00	0.00	1829.0	TGT 1 (LW 28 FC #701H)
9	14389.5	90.44	359.51	12639.0	1829.6	138.6	2.00	0.00	1830.5	
10	15685.2	90.44	359.51	12629.0	3125.2	127.6	0.00	0.00	3126.0	TGT 2 (LW 28 FC #701H)
11	15692.7	90.29	359.51	12629.0	3132.8	127.6	2.00	-180.00	3133.5	
12	17658.5	90.29	359.51	12619.0	5098.4	110.9	0.00	0.00	5099.0	TGT 3 (LW 28 FC #701H)
13	17679.6	90.71	359.51	12618.8	5119.5	110.7	2.00	0.00	5120.1	
14	19272.7	90.71	359.51	12599.0	6712.5	97.2	0.00	0.00	6713.0	TGT 4 (LW 28 FC #701H)
15	19300.4	90.16	359.51	12598.8	6740.1	96.9	2.00	180.00	6740.6	
16	22812.4	90.16	359.51	12589.0	10252.0	67.1	0.00	0.00	10252.2	PBHL (LW 28 FC #701H)

To convert a Magnetic Direction to a Grid Direction, Add 6.27°
To convert a Magnetic Direction to a True Direction, Add 6.73° East
To convert a True Direction to a Grid Direction, Subtract 0.46°

CASING DETAILS
No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP (LW 28 FC #701H)	12076.1	-146.0	155.4	399151.00	809491.40
PBHL (LW 28 FC #701H)	12589.0	10252.0	67.1	409549.00	809403.10
TGT 4 (LW 28 FC #701H)	12599.0	6712.5	97.2	406009.50	809433.16
TGT 3 (LW 28 FC #701H)	12619.0	5098.4	110.9	404395.40	809446.86
TGT 2 (LW 28 FC #701H)	12629.0	3125.2	127.6	402422.20	809463.62
TGT 1 (LW 28 FC #701H)	12639.0	1828.1	138.6	401125.10	809474.64
FTP (LW 28 FC #701H)	12649.0	-98.0	155.0	399199.00	809491.00



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

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

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

Submit Original
to Appropriate
District Office

GAS CAPTURE PLAN

Date: 03/16/2021

☐ Original Operator & OGRID No.: EOG Resources Inc 7377
☒ Amended - Reason for Amendment: NEWLY COMPLETED WELL

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomple to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
LAKEWOOD 28 FED COM #701H	30-025-46847	28-25S-34E	200' FSL & 484' FEL	4384	313 mcf total flared	New Well

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to ENTERPRISE and will be connected to EOG Resources Inc low/high pressure gathering system located in LEA County, New Mexico. It will require N/A' of pipeline to connect the facility to low/high pressure gathering system. EOG Resources Inc provides (periodically) to ENTERPRISE a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, EOG Resources Inc and ENTERPRISE have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at ENTERPRISE Processing Plant located in LEA County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on ENTERPRISE system at that time. Based on current information, it is EOG Resources Inc belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
 - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
 - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
 - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

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 LAKESWOOD 28 FEDERAL COM		
								6. Well Number: 701H		
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:	P	28	25S	34E		200	SOUTH	484	EAST	LEA
BH:	A	21	25S	34E		108	NORTH	322	EAST	LEA
13. Date Spudded 03/07/2020	14. Date T.D. Reached 12/19/2020		15. Date Rig Released 12/22/2020			16. Date Completed (Ready to Produce) 02/20/2021		17. Elevations (DF and RKB, RT, GR, etc.) 3323' GR		
18. Total Measured Depth of Well MD 22,741' TVD 12,580			19. Plug Back Measured Depth MD 22,702 TVD 12580			20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run None		
22. Producing Interval(s), of this completion - Top, Bottom, Name WOLFCAMP 12,689 - 22,702										
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		1,007'		12 1/4"		540 CL C/CIRC		
7 5/8"		29.7# ECP 110		11,977'		8 3/4"		1537 CL C & H/ TOC		79'
5 1/2"		20# HCP 110		22,718'		6 3/4"		1095 CL H TOC		8978' 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) 12,689 - 22,702' 3 1/8", 2097 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						12,689 - 22,702'		FRAC W/25,182,370 lbs proppant, 401,256 bbls load fld		
28. PRODUCTION										
Date First Production 02/20/2021		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Flowing				Well Status (<i>Prod. or Shut-in</i>) Producing				
Date of Test 03/04/2021	Hours Tested 24	Choke Size 60	Prod'n For Test Period	Oil - Bbl 3044	Gas - MCF 4584	Water - Bbl. 6844	Gas - Oil Ratio 1506			
Flow Tubing Press.	Casing Pressure 1169	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (<i>Corr.</i>) 43				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) SOLD								30. Test Witnessed By		
31. List Attachments C-102, C-104, C-103, Directional Survey, H spacing, Gas capture										
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			Name Kay Maddox			Title Senior Regulatory Specialist			Date 03/16/2021	
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	828'	T. Canyon	Brushy	7900'	T. Ojo Alamo	T. Penn A"
T. Salt		1112'	T. Strawn			T. Kirtland	T. Penn. "B"
B. Salt		5168'	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 BS Sand	10,409"		T. Entrada	
T. Wolfcamp		12,482'	T. 2nd BS Sand	10,962'		T. Wingate	
T. Penn			T. 3rd BS Sand	12,012'		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 20992

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 20992
	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.

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CONDITIONS

Action 20992

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 20992
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	6/14/2021