

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

Submit one copy to appropriate District Office

☐ 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 05/13/2022 NW
⁴ API Number 30 - 025-46825	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 748H

II. ¹⁰ Surface Location

UI or lot no. P	Section 28	Township 25S	Range 34E	Lot Idn	Feet from the 200	North/South Line SOUTH	Feet from the 1318	East/West line EAST	County LEA
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¹¹ Bottom Hole Location

UL or lot no. A	Section 21	Township 25S	Range 34E	Lot Idn	Feet from the 107	North/South line NORTH	Feet from the 1298	East/West line EAST	County 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 01/06/2022	²² Ready Date 05/13/2022	²³ TD 23,317'	²⁴ PBTD 23,290'	²⁵ Perforations 13,252 - 23,290'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
13 1/2		10 3/4"		970'	
9 7/8"		8 3/4"		11,968'	
7 7/8"		6"		23,297'	
				1700 SXS CL H TOC 5124' CBL	

V. Well Test Data

³¹ Date New Oil 05/13/2022	³² Gas Delivery Date 05/13/2022	³³ Test Date 05/24/2022	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 887
³⁷ Choke Size 56	³⁸ Oil 1665	³⁹ Water 9016	⁴⁰ Gas 3207		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: Title: Approval Date:		
Printed name: Kay Maddox					
Title: SENIOR REGULATORY SPECIALIST					
E-mail Address: kay_maddox@eogresources.com					
Date: 05/27/2022		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 30-025-46825	² Pool Code 98094	³ Pool Name BOBCAT DRAW; UPPER WOLFCAMP
⁴ Property Code 326767	⁵ Property Name LAKEWOOD 28 FED COM	⁶ Well Number 748H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3322'

¹⁰Surface Location

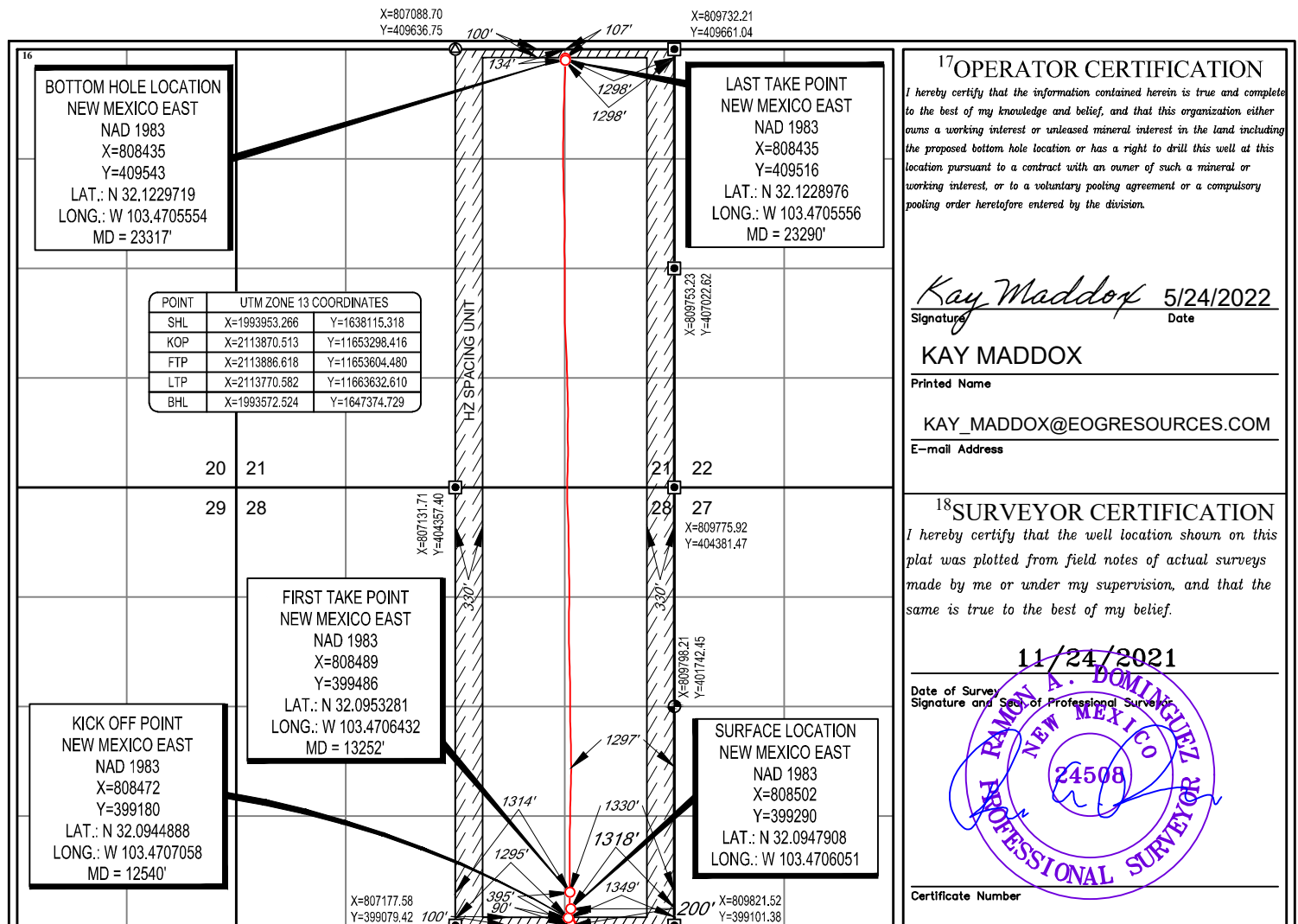
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	28	25-S	34-E	-	200'	SOUTH	1318'	EAST	LEA

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	-	107'	NORTH	1298'	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.



SCALE: 1" = 2000'

0' 1000' 2000'

SECTION 28, TOWNSHIP 25-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

FND. BRASS CAP,
U.S. G.L.O. SUR.

BOTTOM HOLE LOCATION
NEW MEXICO EAST
NAD 1983
X=808435
Y=409543
LAT.: N 32.1229719
LONG.: W 103.4705554
MD = 23317'

LAST TAKE POINT
NEW MEXICO EAST
NAD 1983
X=808435
Y=409516
LAT.: N 32.1228976
LONG.: W 103.4705556
MD = 23290'

FND. BRASS CAP,
U.S. G.L.O. SUR.
1913

POINT	UTM ZONE 13 COORDINATES	
SHL	X=1993953.266	Y=1638115.318
KOP	X=2113870.513	Y=11653298.416
FTP	X=2113886.618	Y=11653604.480
LTP	X=2113770.582	Y=11663632.610
BHL	X=1993572.524	Y=1647374.729

CALCULATED
CORNER

FND. BRASS CAP,
U.S. G.L.O. SUR.
1913

FIRST TAKE POINT
NEW MEXICO EAST
NAD 1983
X=808489
Y=399486
LAT.: N 32.0953281
LONG.: W 103.4706432
MD = 13252'

FND. BRASS CAP,
U.S. G.L.O. SUR.
1913

SURFACE LOCATION
NEW MEXICO EAST
NAD 1983
X=808502
Y=399290
LAT.: N 32.0947908
LONG.: W 103.4706051

KICK OFF POINT
NEW MEXICO EAST
NAD 1983
X=808472
Y=399180
LAT.: N 32.0944888
LONG.: W 103.4707058
MD = 12540'

FND. BRASS CAP,
U.S. G.L.O. SUR.
1913

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U.S. G.L.O. SUR.
1913

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U.S. G.L.O. SUR.
1913

FND. BRASS CAP,
U.S. G.L.O. SUR.
1913

LEASE NAME & WELL NO.: LAKEWOOD 28 FED COM 748H

SECTION 28 TWP 25-S RGE 34-E SURVEY N.M.P.M.

COUNTY LEA STATE NM ELEVATION 3322'

DESCRIPTION 200' FSL & 1318' FEL



1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
TEXAS FIRM REGISTRATION NO. 10042504
WWW.TOPOGRAPHIC.COM



Ramon A. Dominguez, P.S. No. 24508
April 29, 2022

EOG resources, Inc.

LAKEWOOD 28 FED COM
748H

AS-DRILLED

DATE: 04/29/2022

FILE:AD_LAKEWOOD_28_FED_COM_748H

DRAWN BY: IMU

SHEET: 2 OF 2

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.



Midland

Lea County, NM (NAD 83 NME)

Lakewood 28 Fed Com

#748H

OH

Design: OH

Final PVA

03 February, 2022



Final PVA

Company: Midland Project: Lea County, NM (NAD 83 NME) Site: Lakewood 28 Fed Com Well: #748H Wellbore: OH Design: OH	Local Co-ordinate Reference: Well #748H TVD Reference: kb = 26' @ 3348.0usft MD Reference: kb = 26' @ 3348.0usft North Reference: Grid Survey Calculation Method: Minimum Curvature Database: PEDM
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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
From: Map		Easting:	809,336.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 5' 41.246 N
		Longitude:	103° 28' 4.482 W
		Grid Convergence:	0.46 °

Well	#748H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft		Wellhead Elevation:
			usft
			Latitude:
			32° 5' 41.243 N
			Longitude:
			103° 28' 14.177 W
			Ground Level:
			3,322.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2020	1/13/2022	6.42
			Dip Angle (°)
			59.78
			Field Strength (nT)
			47,367.92195860

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)
	0.0	0.0	0.0
			Direction (°)
			359.58

Survey Program	Date	2/3/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
200.0	23,317.0	Gordon MWD (OH)	EOG MWD+IFR1	MWD + IFR1



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #748H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb = 26' @ 3348.0usft
Site:	Lakewood 28 Fed Com	MD Reference:	kb = 26' @ 3348.0usft
Well:	#748H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	PEDM

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
200.0	0.65	199.57	200.0	-1.1	-0.4	0.32	0.32	0.00	-1.1	0.0
297.0	0.88	146.23	297.0	-2.2	-0.2	0.74	0.24	-54.99	-1.8	-1.4
381.0	0.65	153.80	381.0	-3.2	0.4	0.30	-0.27	9.01	-3.0	-1.0
467.0	0.68	136.82	467.0	-4.0	1.0	0.23	0.03	-19.74	-3.6	-2.0
637.0	0.56	123.56	637.0	-5.2	2.4	0.11	-0.07	-7.80	-4.8	-3.0
735.0	0.59	121.89	735.0	-5.7	3.2	0.04	0.03	-1.70	-5.7	-3.2
830.0	0.54	130.96	830.0	-6.3	3.9	0.11	-0.05	9.55	-7.1	-2.1
918.0	0.37	157.66	918.0	-6.8	4.4	0.30	-0.19	30.34	-7.9	1.5
1,034.0	0.52	275.60	1,034.0	-7.1	4.0	0.66	0.13	101.67	4.7	6.7
1,129.0	2.15	200.76	1,128.9	-8.7	2.9	2.18	1.72	-78.78	-7.0	5.8
1,223.0	2.38	160.82	1,222.9	-12.2	2.9	1.66	0.24	-42.49	-10.0	-0.5
1,318.0	2.82	146.54	1,317.8	-16.0	4.9	0.82	0.46	-15.03	-10.8	-1.6
1,507.0	2.69	170.74	1,506.5	-24.3	8.2	0.61	-0.07	12.80	-12.2	5.7
1,601.0	2.79	166.45	1,600.4	-28.7	9.0	0.24	0.11	-4.56	-13.7	5.2
1,696.0	2.91	167.85	1,695.3	-33.3	10.1	0.15	0.13	1.47	-14.8	6.2
1,790.0	2.84	174.10	1,789.2	-37.9	10.8	0.34	-0.07	6.65	-15.2	8.2
1,979.0	2.93	162.31	1,978.0	-47.2	12.8	0.32	0.05	-6.24	-19.2	5.8
2,073.0	3.15	167.97	2,071.8	-52.0	14.1	0.40	0.23	6.02	-20.1	8.5
2,168.0	3.01	161.18	2,166.7	-56.9	15.4	0.41	-0.15	-7.15	-22.7	6.7
2,263.0	3.24	168.27	2,261.6	-61.9	16.8	0.47	0.24	7.46	-23.4	10.3
2,357.0	3.29	163.74	2,355.4	-67.1	18.0	0.28	0.05	-4.82	-26.1	9.0
2,546.0	2.98	154.63	2,544.1	-76.7	21.7	0.31	-0.16	-4.82	-31.0	6.6
2,641.0	3.13	170.18	2,639.0	-81.5	23.2	0.88	0.16	16.37	-29.5	15.8
2,830.0	3.34	155.56	2,827.7	-91.6	26.3	0.45	0.11	-7.74	-36.5	9.1
2,924.0	3.93	165.53	2,921.5	-97.2	28.3	0.92	0.63	10.61	-36.9	16.5
3,019.0	3.27	166.16	3,016.3	-103.0	29.7	0.70	-0.69	0.66	-39.2	17.6

Company:	Midland	Local Co-ordinate Reference:	Well #748H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb = 26' @ 3348.0usft
Site:	Lakewood 28 Fed Com	MD Reference:	kb = 26' @ 3348.0usft
Well:	#748H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	PEDM

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)
3,113.0	3.45	151.63	3,110.2	-108.1	31.7	0.92	0.19	-15.46	-44.7	8.1
3,207.0	3.66	165.00	3,204.0	-113.5	33.8	0.91	0.22	14.22	-44.0	19.6
3,302.0	3.73	153.86	3,298.8	-119.2	36.0	0.76	0.07	-11.73	-49.7	11.5
3,396.0	3.13	196.45	3,392.6	-124.4	36.6	2.71	-0.64	45.31	-30.4	43.1
3,490.0	2.93	178.27	3,486.5	-129.3	35.9	1.04	-0.21	-19.34	-43.6	30.6
3,679.0	2.58	149.54	3,675.3	-137.8	38.3	0.74	-0.19	-15.20	-55.3	6.8
3,868.0	4.00	154.55	3,864.0	-147.4	43.2	0.77	0.75	2.65	-58.8	14.7
3,962.0	4.76	150.92	3,957.7	-153.8	46.5	0.86	0.81	-3.86	-63.7	12.3
4,056.0	4.28	160.92	4,051.4	-160.5	49.6	0.98	-0.51	10.64	-64.6	24.8
4,150.0	4.77	150.89	4,145.1	-167.2	52.6	0.99	0.52	-10.67	-72.2	14.2
4,244.0	3.23	163.66	4,238.9	-173.2	55.3	1.88	-1.64	13.59	-70.3	31.4
4,338.0	2.65	160.94	4,332.8	-177.8	56.7	0.63	-0.62	-2.89	-73.2	28.9
4,432.0	1.97	164.12	4,426.7	-181.4	57.9	0.74	-0.72	3.38	-71.9	33.8
4,526.0	1.00	146.52	4,520.6	-183.6	58.8	1.13	-1.03	-18.72	-78.1	11.8
4,619.0	1.19	38.92	4,613.6	-183.5	59.8	1.90	0.20	-115.70	9.0	-76.5
4,714.0	2.27	51.72	4,708.6	-181.6	61.9	1.20	1.14	13.47	-13.1	-73.5
4,808.0	2.86	57.85	4,802.5	-179.2	65.4	0.69	0.63	6.52	-26.8	-68.5
4,902.0	2.86	64.00	4,896.4	-176.9	69.5	0.33	0.00	6.54	-40.0	-61.8
5,090.0	0.91	279.51	5,084.3	-174.6	72.2	1.94	-1.04	-76.86	69.3	17.6
5,279.0	0.88	279.13	5,273.3	-174.1	69.3	0.02	-0.02	-0.20	65.3	14.0
5,373.0	0.73	280.31	5,367.3	-173.9	68.0	0.16	-0.16	1.26	64.3	12.6
5,467.0	0.47	267.57	5,461.3	-173.8	67.0	0.31	-0.28	-13.55	59.0	26.4
5,561.0	1.42	316.48	5,555.3	-173.0	65.8	1.24	1.01	52.03	57.2	-26.8
5,655.0	2.60	328.06	5,649.2	-170.3	63.9	1.32	1.26	12.32	47.4	-37.6
5,750.0	2.82	329.13	5,744.1	-166.5	61.6	0.24	0.23	1.13	42.2	-38.4
5,844.0	2.54	317.56	5,838.0	-163.0	59.0	0.65	-0.30	-12.31	44.7	-29.6
5,938.0	2.62	325.13	5,931.9	-159.7	56.3	0.37	0.09	8.05	36.1	-35.0

Company:	Midland	Local Co-ordinate Reference:	Well #748H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb = 26' @ 3348.0usft
Site:	Lakewood 28 Fed Com	MD Reference:	kb = 26' @ 3348.0usft
Well:	#748H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	PEDM

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)
6,032.0	2.55	320.89	6,025.8	-156.3	53.8	0.22	-0.07	-4.51	34.4	-32.4
6,127.0	2.97	326.01	6,120.7	-152.6	51.1	0.51	0.44	5.39	26.8	-35.1
6,221.0	2.95	319.09	6,214.6	-148.8	48.1	0.38	-0.02	-7.36	26.0	-31.9
6,316.0	2.55	318.74	6,309.5	-145.3	45.2	0.42	-0.42	-0.37	21.6	-31.8
6,410.0	2.72	317.00	6,403.4	-142.1	42.3	0.20	0.18	-1.85	18.3	-31.2
6,505.0	2.55	324.50	6,498.3	-138.8	39.5	0.40	-0.18	7.89	9.7	-33.0
6,600.0	3.46	342.85	6,593.1	-134.3	37.4	1.38	0.96	19.32	-6.0	-33.7
6,694.0	3.71	348.38	6,687.0	-128.6	36.0	0.45	0.27	5.88	-15.1	-32.7
6,788.0	3.63	343.63	6,780.8	-122.8	34.5	0.33	-0.09	-5.05	-18.3	-34.1
6,977.0	1.15	329.01	6,969.6	-115.4	31.8	1.34	-1.31	-7.74	-16.8	-39.1
7,071.0	1.04	351.83	7,063.6	-113.8	31.2	0.47	-0.12	24.28	-32.4	-29.1
7,165.0	1.01	337.71	7,157.6	-112.2	30.8	0.27	-0.03	-15.02	-26.0	-36.4
7,259.0	0.66	350.80	7,251.5	-110.9	30.4	0.42	-0.37	13.93	-34.9	-29.4
7,354.0	0.53	325.32	7,346.5	-110.0	30.1	0.31	-0.14	-26.82	-19.8	-41.8
7,448.0	0.61	290.99	7,440.5	-109.4	29.4	0.37	0.09	-36.52	6.3	-45.9
7,543.0	0.60	301.01	7,535.5	-109.0	28.5	0.11	-0.01	10.55	-2.7	-46.2
7,637.0	0.45	263.52	7,629.5	-108.8	27.7	0.39	-0.16	-39.88	25.2	-38.6
7,731.0	0.75	264.01	7,723.5	-108.9	26.7	0.32	0.32	0.52	23.9	-38.9
7,825.0	0.88	289.08	7,817.5	-108.7	25.4	0.40	0.14	26.67	3.9	-45.0
7,920.0	0.92	273.86	7,912.5	-108.4	23.9	0.25	0.04	-16.02	14.1	-42.6
8,014.0	0.92	241.12	8,006.5	-108.7	22.5	0.55	0.00	-34.83	33.5	-28.6
8,108.0	1.41	226.47	8,100.5	-109.9	21.0	0.61	0.52	-15.59	37.8	-19.4
8,202.0	1.57	217.63	8,194.4	-111.7	19.4	0.30	0.17	-9.40	37.9	-13.6
8,297.0	1.29	219.23	8,289.4	-113.6	17.9	0.30	-0.29	1.68	35.1	-14.6
8,391.0	1.68	214.89	8,383.4	-115.5	16.5	0.43	0.41	-4.62	33.7	-12.0
8,486.0	1.71	200.82	8,478.3	-118.0	15.2	0.44	0.03	-14.81	32.8	-3.7
8,580.0	1.57	201.19	8,572.3	-120.5	14.2	0.15	-0.15	0.39	30.1	-3.9

Company:	Midland	Local Co-ordinate Reference:	Well #748H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb = 26' @ 3348.0usft
Site:	Lakewood 28 Fed Com	MD Reference:	kb = 26' @ 3348.0usft
Well:	#748H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	PEDM

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)
8,675.0	1.56	207.22	8,667.3	-122.9	13.2	0.17	-0.01	6.35	27.0	-6.9
8,769.0	1.43	194.42	8,761.2	-125.1	12.3	0.38	-0.14	-13.62	25.4	-1.1
8,863.0	1.34	204.64	8,855.2	-127.3	11.5	0.28	-0.10	10.87	22.6	-5.4
8,957.0	1.06	219.67	8,949.2	-128.9	10.5	0.45	-0.30	15.99	18.5	-10.7
9,052.0	1.02	225.86	9,044.2	-130.2	9.3	0.13	-0.04	6.52	15.5	-12.6
9,146.0	1.05	213.02	9,138.1	-131.5	8.3	0.25	0.03	-13.66	16.2	-9.0
9,240.0	0.73	217.32	9,232.1	-132.7	7.4	0.35	-0.34	4.57	14.0	-10.1
9,334.0	0.62	250.31	9,326.1	-133.3	6.6	0.42	-0.12	35.10	5.2	-15.8
9,429.0	0.59	276.63	9,421.1	-133.5	5.6	0.29	-0.03	27.71	-3.3	-16.3
9,523.0	0.81	281.39	9,515.1	-133.3	4.5	0.24	0.23	5.06	-5.8	-15.9
9,617.0	0.76	294.52	9,609.1	-132.9	3.3	0.20	-0.05	13.97	-10.5	-14.0
9,711.0	0.52	307.82	9,703.1	-132.4	2.4	0.30	-0.26	14.15	-14.5	-11.1
9,805.0	0.45	321.82	9,797.1	-131.8	1.8	0.15	-0.07	14.89	-17.5	-7.2
9,899.0	1.10	349.60	9,891.1	-130.6	1.4	0.78	0.69	29.55	-20.1	2.0
9,993.0	1.47	5.12	9,985.1	-128.5	1.4	0.54	0.39	16.51	-20.9	7.5
10,087.0	1.53	4.05	10,079.0	-126.1	1.6	0.07	0.06	-1.14	-23.5	7.1
10,182.0	1.50	351.62	10,174.0	-123.6	1.5	0.35	-0.03	-13.08	-26.9	1.6
10,276.0	1.20	341.24	10,268.0	-121.4	1.0	0.41	-0.32	-11.04	-29.0	-3.5
10,370.0	1.35	334.26	10,362.0	-119.5	0.2	0.23	0.16	-7.43	-30.4	-7.1
10,464.0	1.29	345.26	10,455.9	-117.5	-0.6	0.28	-0.06	11.70	-33.4	-0.9
10,558.0	1.25	332.57	10,549.9	-115.6	-1.3	0.30	-0.04	-13.50	-34.4	-8.5
10,653.0	0.93	329.00	10,644.9	-114.0	-2.2	0.34	-0.34	-3.76	-35.6	-10.7
10,747.0	2.52	293.69	10,738.8	-112.5	-4.5	1.96	1.69	-37.56	-25.6	-29.7
10,841.0	3.36	282.12	10,832.7	-111.1	-9.1	1.09	0.89	-12.31	-23.8	-34.7
10,935.0	0.96	308.79	10,926.6	-110.0	-12.4	2.70	-2.55	28.37	-40.1	-19.0
11,029.0	1.13	16.27	11,020.6	-108.6	-12.7	1.24	0.18	71.79	-34.2	30.5
11,123.0	0.67	0.02	11,114.6	-107.2	-12.5	0.55	-0.49	-17.29	-42.8	19.5

Company:	Midland	Local Co-ordinate Reference:	Well #748H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb = 26' @ 3348.0usft
Site:	Lakewood 28 Fed Com	MD Reference:	kb = 26' @ 3348.0usft
Well:	#748H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	PEDM

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)
11,218.0	0.47	352.36	11,209.6	-106.3	-12.5	0.22	-0.21	-8.06	-45.9	13.5
11,312.0	1.01	120.17	11,303.6	-106.3	-11.9	1.44	0.57	135.97	38.3	28.3
11,407.0	0.53	97.21	11,398.6	-106.8	-10.7	0.59	-0.51	-24.17	23.0	40.7
11,501.0	0.16	112.98	11,492.6	-106.9	-10.1	0.40	-0.39	16.78	32.6	33.0
11,595.0	1.27	255.27	11,586.6	-107.2	-11.0	1.49	1.18	151.37	-6.5	-46.0
11,689.0	1.45	295.04	11,680.6	-107.0	-13.1	1.00	0.19	42.31	-36.4	-30.5
11,784.0	1.88	295.56	11,775.5	-105.8	-15.6	0.45	0.45	0.55	-39.5	-30.2
11,878.0	1.63	290.75	11,869.5	-104.6	-18.2	0.31	-0.27	-5.12	-39.7	-33.5
11,917.0	1.36	282.71	11,908.5	-104.3	-19.2	0.88	-0.69	-20.62	-35.6	-38.8
12,112.0	1.19	256.85	12,103.4	-104.3	-23.4	0.30	-0.09	-13.26	-19.2	-51.4
12,206.0	1.13	234.85	12,197.4	-105.0	-25.2	0.48	-0.06	-23.40	-0.4	-55.3
12,300.0	1.19	214.59	12,291.4	-106.4	-26.5	0.44	0.06	-21.55	16.9	-52.3
12,395.0	0.96	214.69	12,386.4	-107.8	-27.5	0.24	-0.24	0.11	15.0	-52.3
12,489.0	1.60	217.45	12,480.3	-109.5	-28.7	0.68	0.68	2.94	10.4	-53.0
12,540.0	2.52	268.46	12,531.3	-110.1	-30.3	3.84	1.81	100.01	-36.2	-40.9
KOP, MD:12540.0', TVD:12531.3', N/S:-110.1', E/W:-30.3', INC:2.52										
12,583.0	3.94	283.90	12,574.3	-109.8	-32.7	3.84	3.30	35.92	-48.1	-29.5
12,677.0	6.16	18.40	12,668.0	-104.2	-34.2	8.05	2.36	100.53	-28.8	52.9
12,714.9	7.48	13.06	12,705.6	-99.9	-33.0	3.86	3.49	-14.09	-33.2	48.6
FTP Crossing, MD:12714.9', TVD:12705.6', N/S:-99.9', E/W:-33.0', INC:7.48										
12,772.0	9.55	7.86	12,762.1	-91.6	-31.5	3.86	3.62	-9.11	-32.0	43.2
12,866.0	14.13	11.96	12,854.1	-72.6	-28.1	4.95	4.87	4.36	-10.4	37.7
12,912.0	20.04	12.12	12,898.0	-59.4	-25.3	12.85	12.85	0.35	0.6	32.1
12,961.0	29.14	7.87	12,942.5	-39.3	-21.8	18.91	18.57	-8.67	8.6	27.1
13,055.0	47.26	3.45	13,016.1	18.3	-16.6	19.48	19.28	-4.70	19.2	21.4
13,147.0	64.72	359.88	13,067.4	94.2	-14.6	19.24	18.98	-3.88	19.5	19.6
13,176.0	70.68	0.64	13,078.4	121.0	-14.5	20.69	20.55	2.62	17.6	19.3

Company:	Midland	Local Co-ordinate Reference:	Well #748H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb = 26' @ 3348.0usft
Site:	Lakewood 28 Fed Com	MD Reference:	kb = 26' @ 3348.0usft
Well:	#748H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	PEDM

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)
13,252.0	78.56	1.12	13,098.5	194.2	-13.4	10.39	10.37	0.63	11.1	17.6
13,347.0	81.77	0.67	13,114.8	287.8	-11.9	3.41	3.38	-0.47	10.4	15.4
13,393.0	83.56	0.80	13,120.6	333.4	-11.3	3.90	3.89	0.28	14.7	14.5
13,441.0	87.88	358.16	13,124.2	381.3	-11.8	10.54	9.00	-5.50	18.8	14.5
13,488.0	92.03	0.04	13,124.2	428.3	-12.5	9.69	8.83	4.00	19.3	14.9
13,535.0	93.91	0.63	13,121.8	475.2	-12.2	4.19	4.00	1.26	17.3	14.3
13,578.0	94.45	0.72	13,118.7	518.1	-11.7	1.27	1.26	0.21	14.6	13.4
13,628.0	94.89	0.31	13,114.6	567.9	-11.3	1.20	0.88	-0.82	11.0	12.6
13,723.0	93.21	359.18	13,107.9	662.7	-11.7	2.13	-1.77	-1.19	5.3	12.2
13,817.0	93.10	358.96	13,102.7	756.5	-13.2	0.26	-0.12	-0.23	1.1	13.0
13,911.0	91.33	0.67	13,099.1	850.4	-13.5	2.62	-1.88	1.82	-1.6	12.5
14,006.0	89.87	1.54	13,098.1	945.4	-11.7	1.79	-1.54	0.92	-1.7	10.0
14,100.0	90.49	1.36	13,097.8	1,039.4	-9.3	0.69	0.66	-0.19	-1.0	6.8
14,194.0	91.70	1.68	13,096.0	1,133.3	-6.8	1.33	1.29	0.34	-1.9	3.6
14,289.0	90.24	0.76	13,094.4	1,228.3	-4.8	1.82	-1.54	-0.97	-2.5	0.8
14,383.0	89.37	1.30	13,094.7	1,322.3	-3.1	1.09	-0.93	0.57	-1.2	-1.6
14,477.0	91.89	0.60	13,093.7	1,416.2	-1.6	2.78	2.68	-0.74	-1.3	-3.9
14,572.0	92.84	2.09	13,089.8	1,511.1	0.7	1.86	1.00	1.57	-4.3	-6.9
14,666.0	91.69	1.47	13,086.0	1,605.0	3.6	1.39	-1.22	-0.66	-7.1	-10.6
14,760.0	90.94	0.77	13,083.9	1,699.0	5.4	1.09	-0.80	-0.74	-8.3	-13.2
14,854.0	90.38	358.84	13,082.8	1,793.0	5.1	2.14	-0.60	-2.05	-8.4	-13.6
14,948.0	90.69	358.92	13,081.9	1,886.9	3.3	0.34	0.33	0.09	-8.3	-12.5
15,043.0	90.66	359.05	13,080.8	1,981.9	1.6	0.14	-0.03	0.14	-8.5	-11.6
15,137.0	90.60	359.10	13,079.8	2,075.9	0.1	0.08	-0.06	0.05	-8.6	-10.8
15,231.0	89.40	358.08	13,079.8	2,169.9	-2.2	1.68	-1.28	-1.09	-7.6	-9.3
15,325.0	88.44	357.05	13,081.6	2,263.8	-6.2	1.50	-1.02	-1.10	-4.9	-6.0
15,420.0	92.23	0.02	13,081.0	2,358.7	-8.7	5.07	3.99	3.13	-4.5	-4.4

Company:	Midland	Local Co-ordinate Reference:	Well #748H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb = 26' @ 3348.0usft
Site:	Lakewood 28 Fed Com	MD Reference:	kb = 26' @ 3348.0usft
Well:	#748H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	PEDM

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)
15,514.0	93.71	0.66	13,076.1	2,452.6	-8.1	1.72	1.57	0.68	-8.4	-5.7
15,608.0	91.84	0.75	13,071.6	2,546.4	-6.9	1.99	-1.99	0.10	-12.1	-7.6
15,703.0	89.31	359.79	13,070.6	2,641.4	-6.5	2.85	-2.66	-1.01	-12.1	-8.8
15,797.0	87.88	358.74	13,072.9	2,735.4	-7.7	1.89	-1.52	-1.12	-8.8	-8.3
15,891.0	89.65	358.61	13,075.0	2,829.3	-9.9	1.89	1.88	-0.14	-5.8	-6.9
15,985.0	88.89	357.96	13,076.1	2,923.3	-12.7	1.06	-0.81	-0.69	-3.7	-4.8
16,080.0	92.48	358.49	13,075.0	3,018.2	-15.6	3.82	3.78	0.56	-3.9	-2.6
16,173.0	92.67	358.64	13,070.8	3,111.1	-18.0	0.26	0.20	0.16	-7.1	-1.1
16,267.0	91.00	359.06	13,067.8	3,205.0	-19.8	1.83	-1.78	0.45	-9.2	0.1
16,362.0	90.43	359.31	13,066.6	3,300.0	-21.2	0.66	-0.60	0.26	-9.4	0.7
16,456.0	90.49	359.88	13,065.9	3,394.0	-21.9	0.61	0.06	0.61	-9.2	0.6
16,551.0	90.57	0.12	13,065.0	3,489.0	-21.9	0.27	0.08	0.25	-9.1	-0.2
16,644.0	92.00	1.38	13,062.9	3,582.0	-20.6	2.05	1.54	1.35	-10.3	-2.1
16,738.0	90.24	0.49	13,061.1	3,675.9	-19.1	2.10	-1.87	-0.95	-11.2	-4.4
16,832.0	89.29	0.14	13,061.5	3,769.9	-18.6	1.08	-1.01	-0.37	-9.8	-5.7
16,927.0	91.44	0.03	13,060.9	3,864.9	-18.5	2.27	2.26	-0.12	-9.5	-6.6
17,021.0	92.00	359.02	13,058.0	3,958.9	-19.2	1.23	0.60	-1.07	-11.4	-6.6
17,115.0	90.63	359.67	13,055.9	4,052.8	-20.3	1.61	-1.46	0.69	-12.6	-6.2
17,209.0	88.78	359.13	13,056.4	4,146.8	-21.3	2.05	-1.97	-0.57	-11.1	-6.0
17,304.0	89.31	359.66	13,058.0	4,241.8	-22.3	0.79	0.56	0.56	-8.6	-5.8
17,398.0	88.87	358.82	13,059.4	4,335.8	-23.5	1.01	-0.47	-0.89	-6.2	-5.3
17,492.0	88.95	358.47	13,061.2	4,429.7	-25.8	0.38	0.09	-0.37	-3.4	-3.8
17,586.0	91.44	0.27	13,060.9	4,523.7	-26.8	3.27	2.65	1.91	-2.8	-3.5
17,680.0	92.96	358.99	13,057.3	4,617.6	-27.4	2.11	1.62	-1.36	-5.5	-3.6
17,774.0	87.33	355.62	13,057.1	4,711.5	-31.8	6.98	-5.99	-3.59	-4.7	0.0
17,868.0	92.42	358.20	13,057.3	4,805.3	-36.9	6.07	5.41	2.74	-3.6	4.3
17,963.0	88.42	356.71	13,056.6	4,900.2	-41.1	4.49	-4.21	-1.57	-3.3	7.8

Company:	Midland	Local Co-ordinate Reference:	Well #748H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb = 26' @ 3348.0usft
Site:	Lakewood 28 Fed Com	MD Reference:	kb = 26' @ 3348.0usft
Well:	#748H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	PEDM

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)
18,057.0	89.40	359.85	13,058.4	4,994.1	-43.9	3.50	1.04	3.34	-0.6	9.9
18,151.0	92.93	1.25	13,056.5	5,088.1	-43.0	4.04	3.76	1.49	-1.6	8.2
18,245.0	89.57	1.55	13,054.4	5,182.0	-40.7	3.59	-3.57	0.32	-2.7	5.2
18,340.0	90.41	2.29	13,054.4	5,277.0	-37.5	1.18	0.88	0.78	-1.7	1.2
18,434.0	93.89	1.02	13,050.9	5,370.8	-34.8	3.94	3.70	-1.35	-4.3	-2.2
18,529.0	95.43	0.24	13,043.2	5,465.5	-33.8	1.82	1.62	-0.82	-11.0	-4.0
18,623.0	92.14	359.70	13,037.0	5,559.3	-33.8	3.55	-3.50	-0.57	-16.3	-4.7
18,717.0	90.85	359.07	13,034.5	5,653.3	-34.8	1.53	-1.37	-0.67	-17.8	-4.5
18,812.0	89.99	359.84	13,033.8	5,748.3	-35.8	1.22	-0.91	0.81	-17.5	-4.3
18,906.0	89.96	0.53	13,033.9	5,842.3	-35.4	0.73	-0.03	0.73	-16.6	-5.4
19,000.0	89.96	0.52	13,033.9	5,936.2	-34.6	0.01	0.00	-0.01	-15.5	-7.0
19,094.0	90.24	359.56	13,033.8	6,030.2	-34.5	1.06	0.30	-1.02	-14.8	-7.8
19,189.0	90.21	359.54	13,033.4	6,125.2	-35.3	0.04	-0.03	-0.02	-14.2	-7.8
19,283.0	89.45	358.49	13,033.7	6,219.2	-36.9	1.38	-0.81	-1.12	-13.0	-6.9
19,377.0	89.68	358.08	13,034.4	6,313.2	-39.7	0.50	0.24	-0.44	-11.3	-4.9
19,472.0	90.27	358.28	13,034.4	6,408.1	-42.7	0.66	0.62	0.21	-10.3	-2.6
19,566.0	92.42	358.27	13,032.2	6,502.1	-45.5	2.29	2.29	-0.01	-11.6	-0.5
19,660.0	93.07	358.69	13,027.7	6,595.9	-48.0	0.82	0.69	0.45	-15.1	1.2
19,754.0	91.92	357.40	13,023.6	6,689.8	-51.2	1.84	-1.22	-1.37	-18.3	3.7
19,849.0	91.84	357.08	13,020.5	6,784.6	-55.8	0.35	-0.08	-0.34	-20.4	7.5
19,943.0	89.68	354.54	13,019.3	6,878.3	-62.7	3.55	-2.30	-2.70	-20.7	13.6
20,037.0	91.58	358.87	13,018.2	6,972.1	-68.1	5.03	2.02	4.61	-20.8	18.2
20,131.0	90.07	358.21	13,016.9	7,066.1	-70.5	1.75	-1.61	-0.70	-21.2	19.9
20,226.0	91.75	359.83	13,015.4	7,161.1	-72.1	2.46	1.77	1.71	-21.8	20.8
20,320.0	92.26	359.33	13,012.1	7,255.0	-72.8	0.76	0.54	-0.53	-24.1	20.7
20,414.0	92.03	0.13	13,008.6	7,348.9	-73.2	0.88	-0.24	0.85	-26.7	20.4
20,508.0	91.33	0.42	13,005.8	7,442.9	-72.8	0.81	-0.74	0.31	-28.5	19.2

Company:	Midland	Local Co-ordinate Reference:	Well #748H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb = 26' @ 3348.0usft
Site:	Lakewood 28 Fed Com	MD Reference:	kb = 26' @ 3348.0usft
Well:	#748H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	PEDM

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)
20,602.0	90.29	359.69	13,004.5	7,536.9	-72.7	1.35	-1.11	-0.78	-28.9	18.3
20,697.0	89.54	0.05	13,004.6	7,631.9	-72.9	0.88	-0.79	0.38	-27.8	17.8
20,791.0	88.75	359.52	13,006.0	7,725.9	-73.3	1.01	-0.84	-0.56	-25.4	17.4
20,885.0	88.16	358.90	13,008.6	7,819.8	-74.5	0.91	-0.63	-0.66	-21.9	18.0
20,980.0	87.21	0.31	13,012.4	7,914.7	-75.2	1.79	-1.00	1.48	-17.1	17.9
21,074.0	89.65	0.35	13,015.0	8,008.7	-74.7	2.60	2.60	0.04	-13.6	16.6
21,169.0	91.72	0.27	13,013.8	8,103.7	-74.1	2.18	2.18	-0.08	-13.8	15.3
21,263.0	92.28	0.39	13,010.5	8,197.6	-73.6	0.61	0.60	0.13	-16.1	14.0
21,357.0	91.53	359.37	13,007.4	8,291.6	-73.8	1.35	-0.80	-1.09	-18.3	13.4
21,452.0	92.48	358.91	13,004.1	8,386.5	-75.2	1.11	1.00	-0.48	-20.7	14.1
21,546.0	92.20	358.20	13,000.3	8,480.4	-77.6	0.81	-0.30	-0.76	-23.6	15.7
21,640.0	88.53	357.05	12,999.7	8,574.3	-81.5	4.09	-3.90	-1.22	-23.2	18.9
21,734.0	88.67	358.28	13,002.0	8,668.2	-85.3	1.32	0.15	1.31	-20.0	22.0
21,828.0	90.27	358.97	13,002.8	8,762.2	-87.6	1.85	1.70	0.73	-18.2	23.5
21,922.0	89.96	359.03	13,002.6	8,856.1	-89.2	0.34	-0.33	0.06	-17.4	24.3
22,016.0	89.20	358.31	13,003.3	8,950.1	-91.4	1.11	-0.81	-0.77	-15.8	25.8
22,111.0	89.99	0.33	13,004.0	9,045.1	-92.5	2.28	0.83	2.13	-14.1	26.1
22,205.0	91.11	1.26	13,003.1	9,139.1	-91.2	1.55	1.19	0.99	-14.1	24.1
22,299.0	90.41	0.53	13,001.9	9,233.1	-89.8	1.08	-0.74	-0.78	-14.4	21.9
22,393.0	91.05	0.51	13,000.7	9,327.0	-88.9	0.68	0.68	-0.02	-14.7	20.3
22,488.0	90.29	0.33	12,999.5	9,422.0	-88.2	0.82	-0.80	-0.19	-14.8	18.8
22,582.0	89.79	0.76	12,999.5	9,516.0	-87.3	0.70	-0.53	0.46	-13.9	17.2
22,676.0	91.39	2.23	12,998.5	9,610.0	-84.9	2.31	1.70	1.56	-14.0	14.0
22,770.0	91.13	2.07	12,996.4	9,703.9	-81.3	0.32	-0.28	-0.17	-15.1	9.7
22,864.0	91.05	1.46	12,994.7	9,797.8	-78.4	0.65	-0.09	-0.65	-15.9	6.0
22,958.0	91.19	2.06	12,992.8	9,891.8	-75.6	0.66	0.15	0.64	-16.8	2.4
23,053.0	91.86	2.08	12,990.3	9,986.7	-72.1	0.71	0.71	0.02	-18.4	-1.8

Company: Midland
Project: Lea County, NM (NAD 83 NME)
Site: Lakewood 28 Fed Com
Well: #748H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #748H
TVD Reference: kb = 26' @ 3348.0usft
MD Reference: kb = 26' @ 3348.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: PEDM

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)
23,147.0	92.76	2.75	12,986.5	10,080.5	-68.2	1.19	0.96	0.71	-21.2	-6.5
23,241.0	90.27	359.65	12,984.0	10,174.4	-66.2	4.23	-2.65	-3.30	-22.8	-9.2
Last MWD Survey (MD=23241.0')										
23,317.0	90.27	359.65	12,983.7	10,250.4	-66.7	0.00	0.00	0.00	-22.3	-9.3
Projection to Bit (MD=23317.0')										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,540.0	12,531.3	-110.1	-30.3	KOP, MD:12540.0', TVD:12531.3', N/S:-110.1', E/W:-30.3', INC:2.52
12,714.9	12,705.6	-99.9	-33.0	FTP Crossing, MD:12714.9', TVD:12705.6', N/S:-99.9', E/W:-33.0', INC:7.48
23,241.0	12,984.0	10,174.4	-66.2	Last MWD Survey (MD=23241.0')
23,317.0	12,983.7	10,250.4	-66.7	Projection to Bit (MD=23317.0')

Checked By: _____ Approved By: _____ Date: _____

I CERTIFY THIS SURVEY TO BE TRUE AND CORRECT TO THE BEST OF MY BELIEF AND KNOWLEDGE
 KAY MADDOX 5/24/2022

Lea County, NM (NAD 83 NME)

Lakewood 28 Fed Com #748H

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: #748H

3322.0
kb = 26' @ 3348.0usft
Northing 399290.00 Easting 808502.00 Latitude 32° 5' 41.243 N Longitude 103° 28' 14.177 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	1100.0	0.00	0.00	1100.0	0.0	0.0	0.00	0.00	0.0	
3	1206.3	2.13	177.33	1206.3	-2.0	0.1	2.00	177.33	-2.0	
4	5146.4	2.13	177.33	5143.7	-148.0	6.9	0.00	0.00	-148.1	
5	5252.8	0.00	0.00	5250.0	-150.0	7.0	2.00	180.00	-150.0	
6	12631.3	0.00	0.00	12628.5	-150.0	7.0	0.00	0.00	-150.0	
7	13386.1	90.58	359.54	13105.9	332.3	3.2	12.00	359.54	332.2	
8	23305.6	90.58	359.54	13006.0	10251.0	-76.0	0.00	0.00	10251.3	PBHL(Lakewood 28 Fed Com #748H)

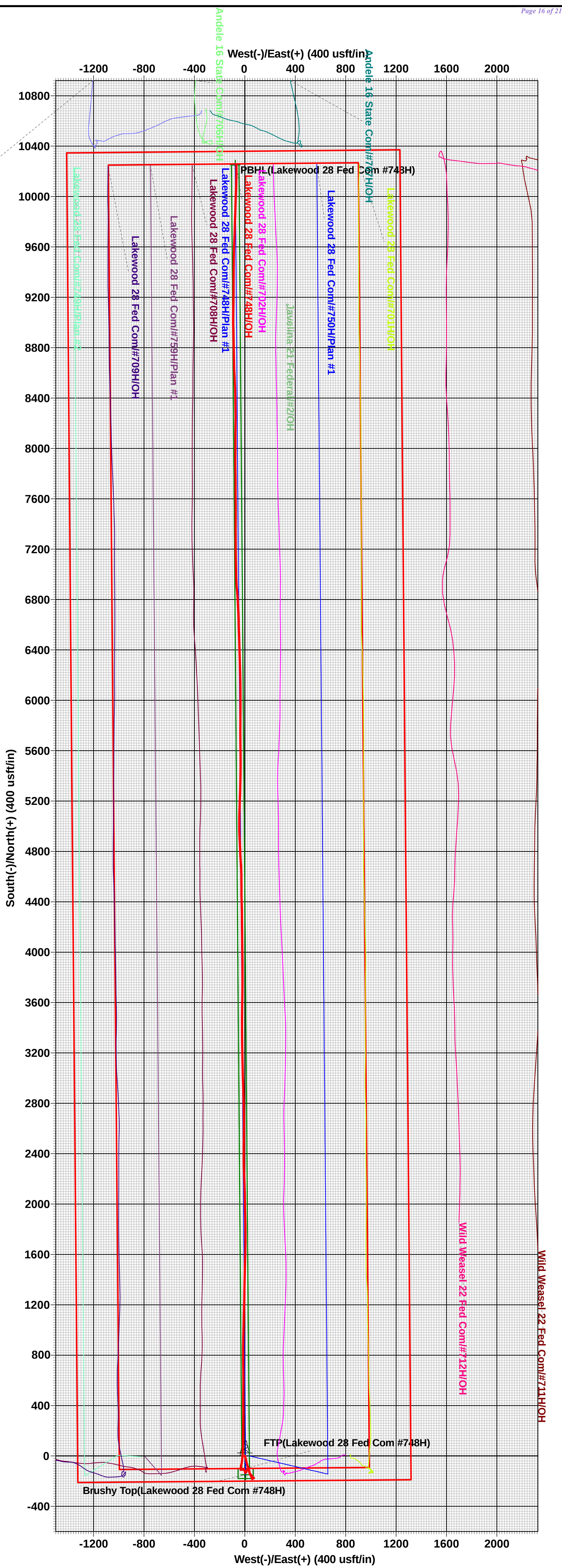
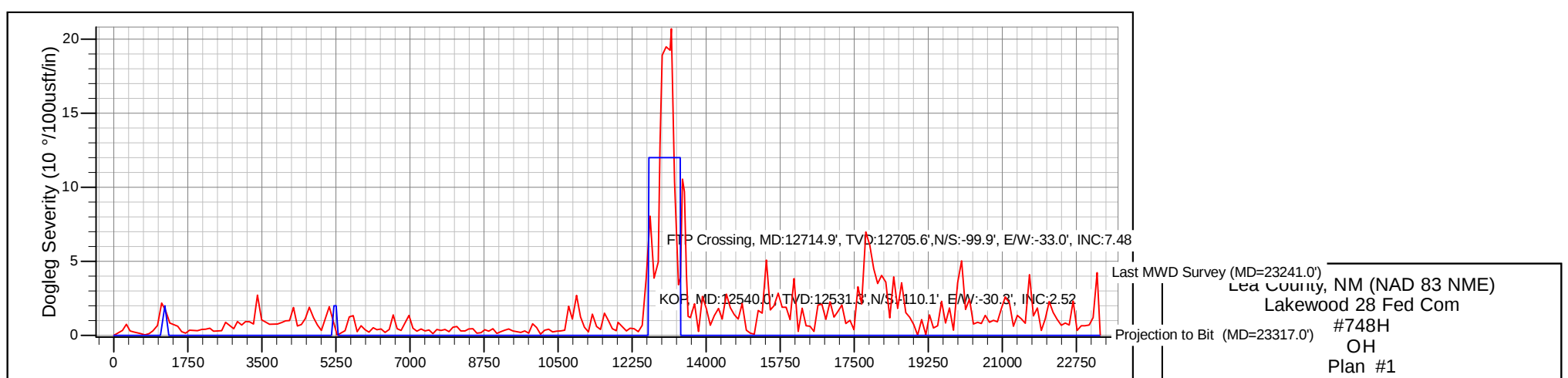
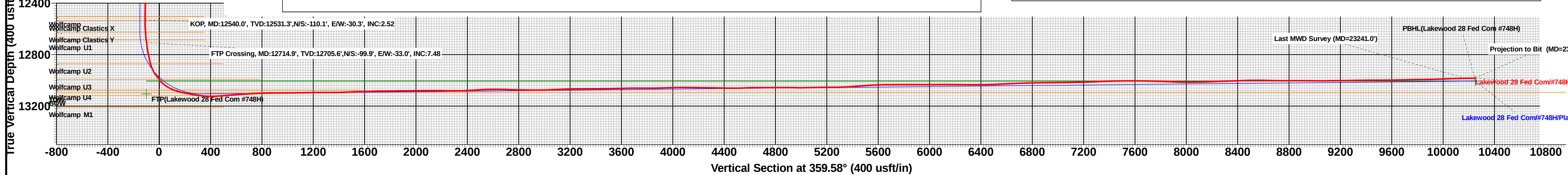
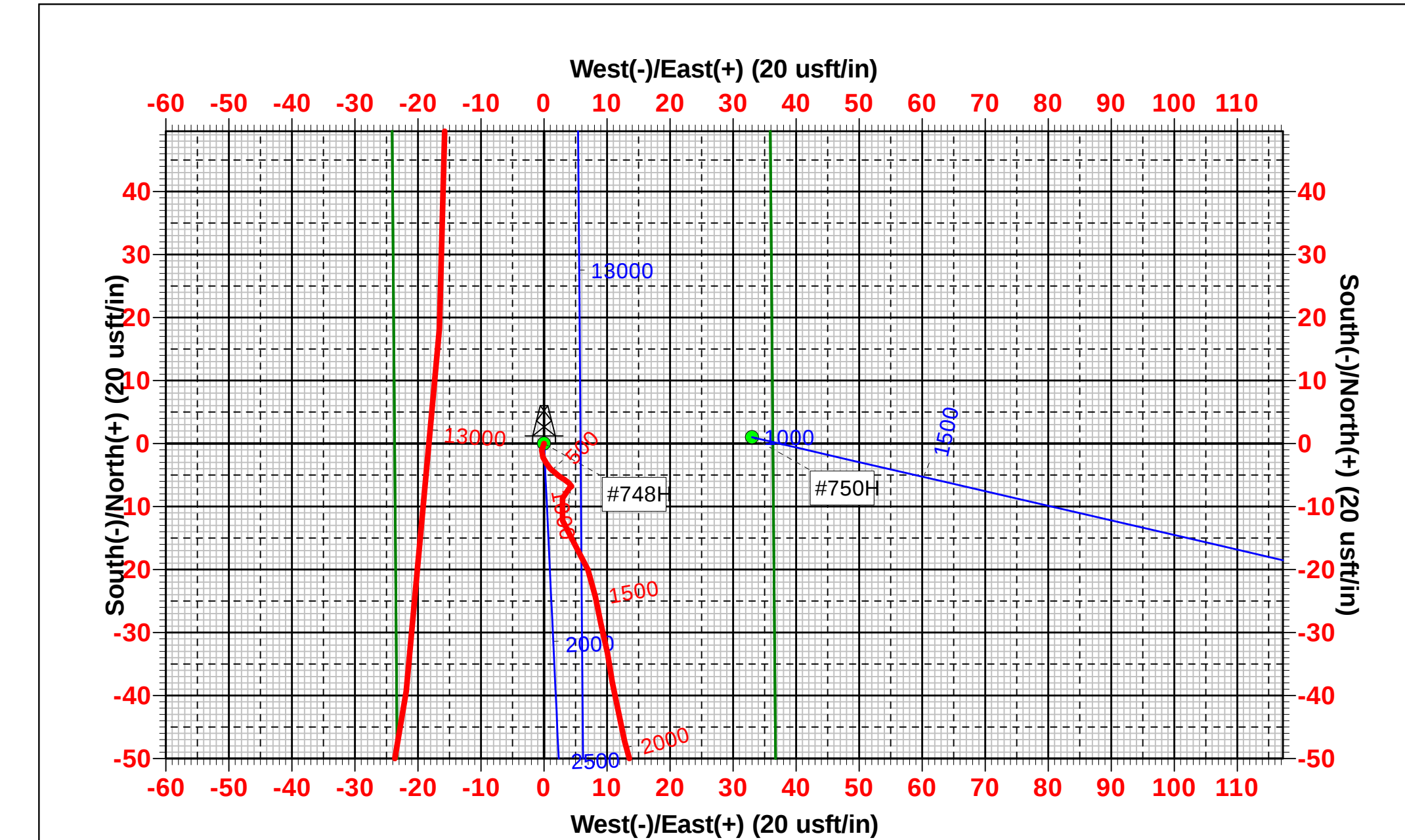
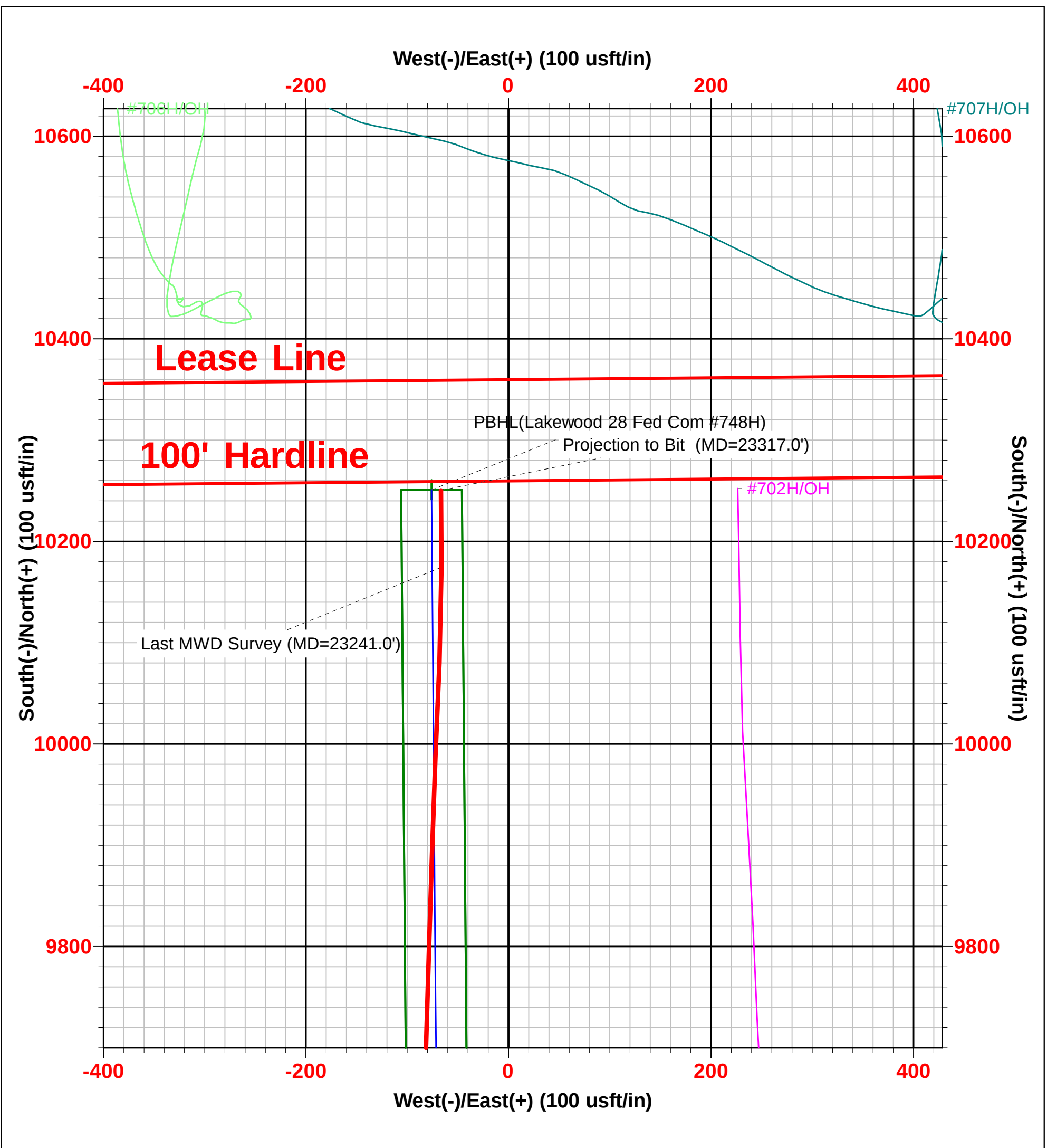
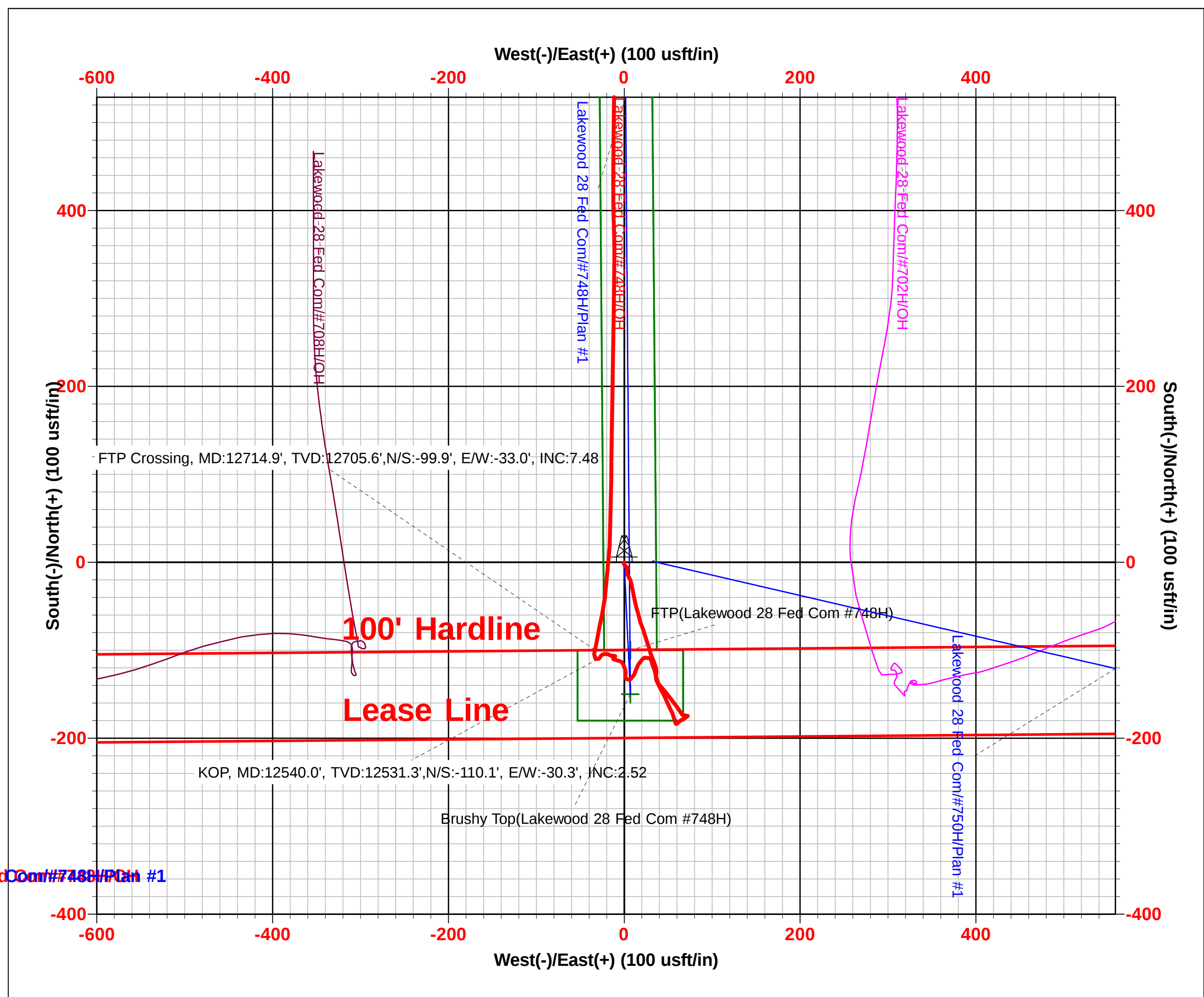
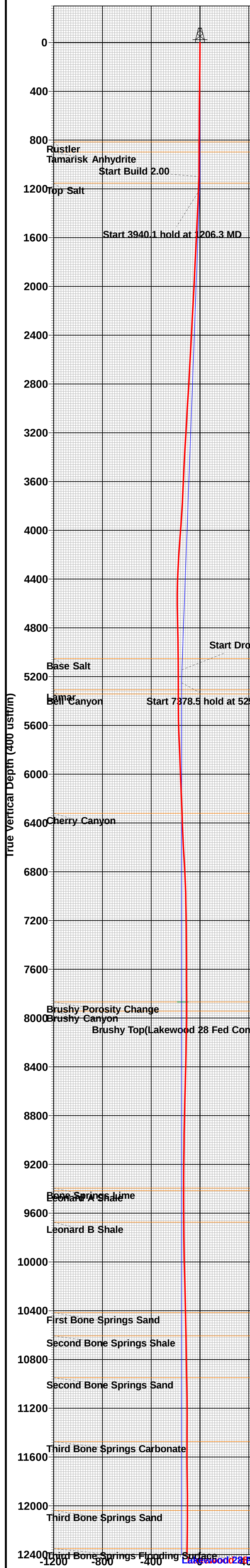
To convert a Magnetic Direction to a Grid Direction, Add 5.96°
To convert a Magnetic Direction to a True Direction, Add 6.42° East
To convert a True Direction to a Grid Direction, Subtract 0.46°

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
Brushy Top(Lakewood 28 Fed Com #748H)	7868.0	-150.0	7.0	399140.00	808509.00
PBHL(Lakewood 28 Fed Com #748H)	13006.0	10251.0	-76.0	409541.00	808426.00
FTP(Lakewood 28 Fed Com #748H)	13106.0	-100.0	7.0	399190.00	808509.00



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

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: 748H		
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	1318	EAST	LEA
BH:	A	21	25S	34E		107	NORTH	1298	EAST	LEA
13. Date Spudded 01/06/2022	14. Date T.D. Reached 02/01/2022		15. Date Rig Released 02/02/2022			16. Date Completed (Ready to Produce) 05/13/2022		17. Elevations (DF and RKB, RT, GR, etc.) 3322'GR		
18. Total Measured Depth of Well MD 23,317' TVD 12,983'			19. Plug Back Measured Depth MD 23,290' TVD 12,983'			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 13,252 - 23,290'										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
10 3/4"		40.5# J-55		970'		13 1/2"		505 CL C/CIRC		
8 3/4"		38.5# ECP 110		11,968'		9 7/8"		1800 CL C & H/ CIRC		
6"		24.5# HCP 110		23,297'		7 7/8"		1700 CL H TOC 5124'		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) 13,252 - 23,290 3 1/8", 2625 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						13,252 - 23,290'		FRAC W 25,281,067 lbs proppant, 467,720 bbls load fld		
28. PRODUCTION										
Date First Production 05/13/2022		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 05/24/2022	Hours Tested 24	Choke Size 56	Prod'n For Test Period	Oil - Bbl 1665	Gas - MCF 3207	Water - Bbl. 9016	Gas - Oil Ratio 1926			
Flow Tubing Press.	Casing Pressure 887	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (<i>Corr.</i>) 44				
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 05/27/2022	
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 814'	T. Canyon Brushy 7942'	T. Ojo Alamo	T. Penn A "
T. Salt 1152'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 5052'	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 10,415'	T. Entrada	
T. Wolfcamp 12,504'	T. 2nd BS Sand 10,948'	T. Wingate	
T. Penn	T. 3rd BS Sand 12,037'	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

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

ACKNOWLEDGMENTS

Action 111284

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 111284
	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.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
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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 111284

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 111284
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	None	8/13/2025