

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 02/15/2022	
⁴ API Number 30 - 025-48882	⁵ Pool Name WC025 G09 S253309P; UPPER WOLFCAMP		⁶ Pool Code 98180
⁷ Property Code 328894	⁸ Property Name MERCILESS 13 FED COM		⁹ Well Number 702H

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
D	13	25S	32E		200'	NORTH	704'	WEST	LEA

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	24	25S	32E		2532'	NORTH	849'	WEST	LEA
¹² Lse Code	¹³ Producing Method Code FLOWING	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date		

III. Oil and Gas Transporters

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

IV. Well Completion Data

²¹ Spud Date 08/31/2021	²² Ready Date 02/15/2022	²³ TD 19,844	²⁴ PBDT 19,814	²⁵ Perforations 12,400 - 19,814'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
12 1/4"		9 5/8"	996'		445 SXS CL C/CIRC
9 7/8"		7 5/8"	11,615'		1437 SXS CL C&H/CIRC
7 7/8"		5 1/2"	19,822'		755 SXS CL H TOC 10,600' CBL

V. Well Test Data

³¹ Date New Oil 02/15/2022	³² Gas Delivery Date 02/15/2022	³³ Test Date 03/02/2022	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 1266
³⁷ Choke Size 60	³⁸ Oil 3441	³⁹ Water 6443	⁴⁰ Gas 8287		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: 03/23/2022	Phone: 432-638-8475	OIL CONSERVATION DIVISION	
	Approved by: PATRICIA MARTINEZ		
	Title: PETROLEUM SPECIALIST		
	Approval Date: 11/15/2024		

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 30-025-48882	² Pool Code 98180	³ Pool Name WC025 G09 S253309P; UPPER WOLFCAMP
⁴ Property Code 328894	⁵ Property Name MERCILESS 13 FED COM	⁶ Well Number 702H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3480'

¹⁰Surface Location

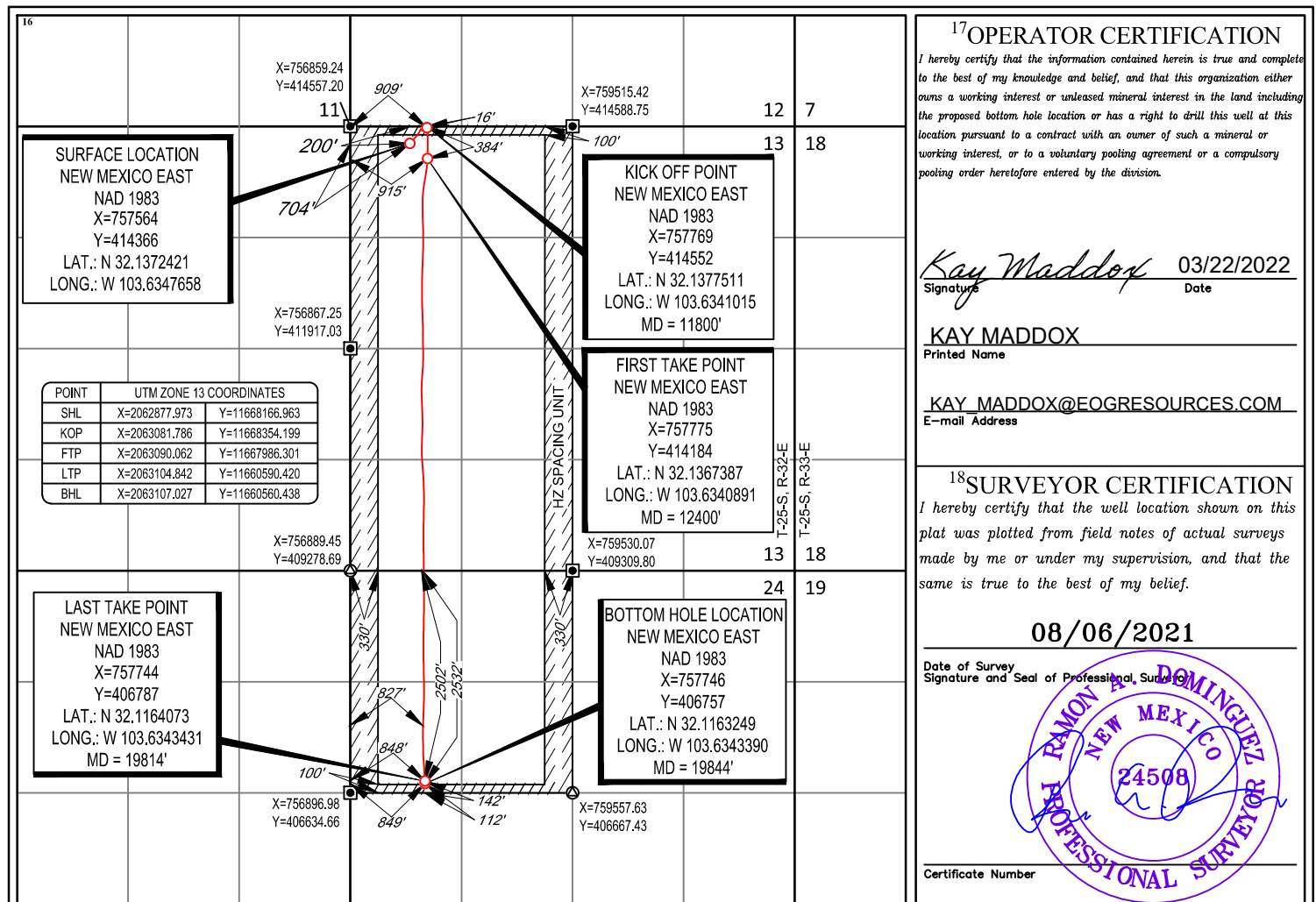
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	13	25-S	32-E	-	200'	NORTH	704'	WEST	LEA

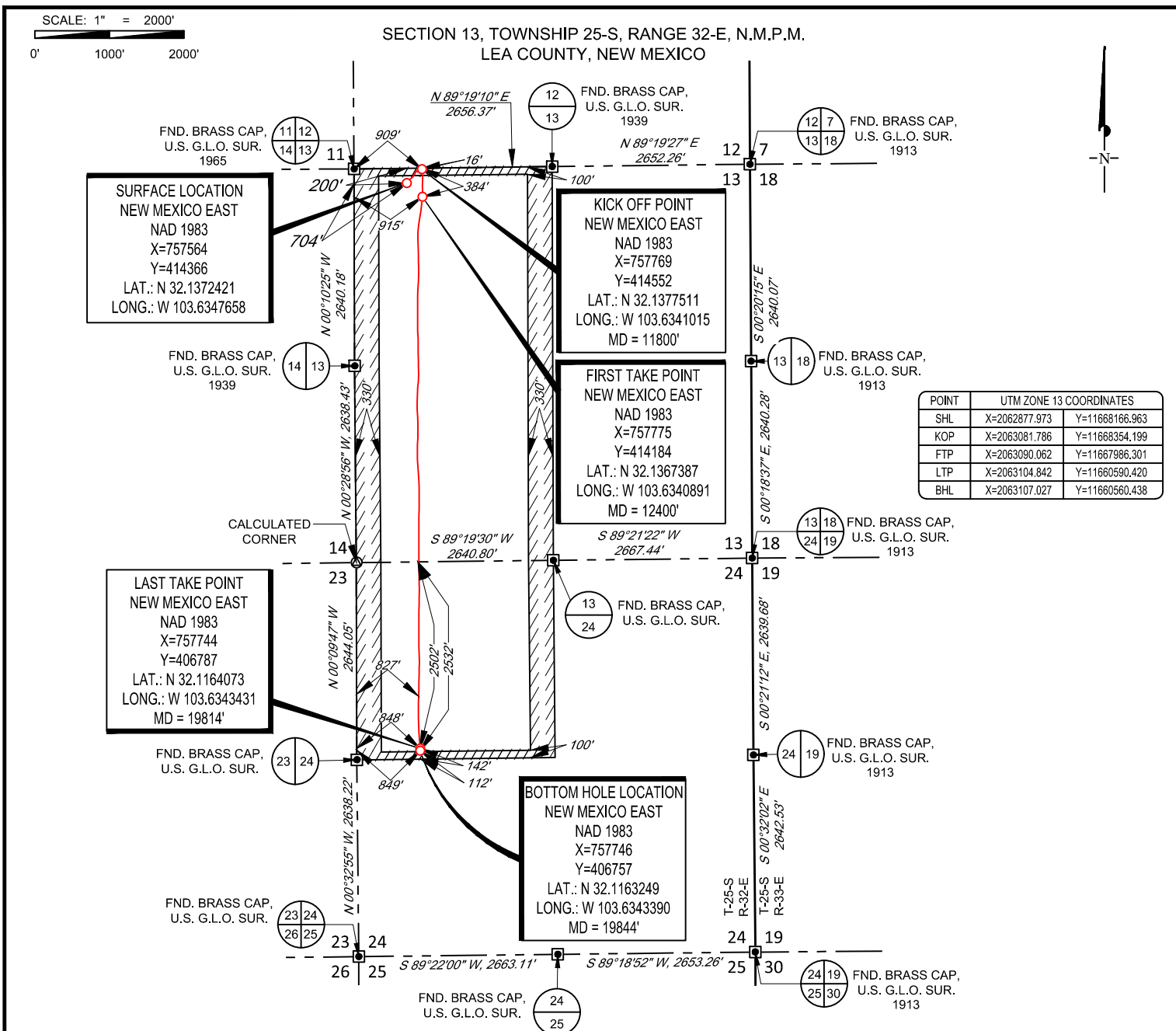
¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	24	25-S	32-E	-	2532'	NORTH	849'	WEST	LEA

¹² Dedicated Acres 480.00	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.





LEASE NAME & WELL NO.: MERCILESS 13 FED COM 702H

SECTION 13 TWP 25-S RGE 32-E SURVEY N.M.P.M.

COUNTY LEA STATE NM ELEVATION 3480'

DESCRIPTION 200' FNL & 704' FWL



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

eog resources, inc.



Ramon A. Dominguez, P.S. No. 24508
January 05, 2022

MERCILESS 13 FED COM
702H
AS-DRILLED

REVISION:

SME 01/04/2022

DATE: 12/27/2021

FILE: AD_MERCILESS_13_FED_COM_702H_REV1

DRAWN BY: GJU

SHEET: 2 OF 2

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)

Merciless 13 Fed Com

#702H

OH

Design: OH

Midland PVA

15 October, 2021



EOG Resources
Midland PVA

Company:	Midland	Local Co-ordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3506.0usft
Site:	Merciless 13 Fed Com	MD Reference:	KB = 26' @ 3506.0usft
Well:	#702H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	PEDM

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	Merciless 13 Fed Com		
Site Position:		Northing:	414,304.00 usft
From:	Map	Easting:	757,406.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 8' 13.472 N
		Longitude:	103° 38' 7.002 W
		Grid Convergence:	0.37 °

Well	#702H					
Well Position	+N/-S	0.0 usft	Northing:	414,366.00 usft	Latitude:	32° 8' 14.076 N
	+E/-W	0.0 usft	Easting:	757,564.00 usft	Longitude:	103° 38' 5.160 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,480.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	10/3/2021	6.53	59.80	47,404.51992312

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	178.66

Survey Program	Date	10/14/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
195.0	19,844.0	Gordon MWD (OH)	EOG MWD+IFR1	MWD + IFR1



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Site:	Merciless 13 Fed Com	MD Reference:	KB = 26' @ 3506.0usft
Well:	#702H	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	
195.0	0.43	194.55	195.0	-0.7	-0.2	0.22	0.22	0.00	-0.7	0.0	
395.0	0.62	212.05	395.0	-2.4	-0.9	0.12	0.09	8.75	-2.5	0.4	
493.0	0.51	229.37	493.0	-3.1	-1.6	0.21	-0.11	17.67	-3.2	1.3	
680.0	0.59	257.78	680.0	-3.8	-3.1	0.15	0.04	15.19	-3.9	3.1	
778.0	0.92	257.60	778.0	-4.1	-4.4	0.34	0.34	-0.18	-5.2	3.1	
939.0	1.08	265.30	938.9	-4.5	-7.2	0.13	0.10	4.78	-7.5	3.9	
1,060.0	0.70	274.22	1,059.9	-4.5	-9.0	0.33	-0.31	7.37	-8.7	5.2	
1,251.0	3.17	37.42	1,250.8	-0.3	-7.0	1.89	1.29	64.50	6.2	5.6	
1,442.0	5.84	41.38	1,441.2	11.2	2.6	1.41	1.40	2.07	3.9	5.8	
1,634.0	6.43	46.81	1,632.1	25.9	16.9	0.43	0.31	2.83	-1.1	5.4	
1,824.0	6.97	49.03	1,820.8	40.7	33.4	0.32	0.28	1.17	-8.2	4.3	
2,015.0	6.58	49.62	2,010.5	55.4	50.5	0.21	-0.20	0.31	-15.8	2.8	
2,204.0	7.31	52.41	2,198.1	69.8	68.3	0.43	0.39	1.48	-23.9	1.6	
2,393.0	7.21	36.16	2,385.6	86.7	84.8	1.08	-0.05	-8.60	-32.2	-6.7	
2,582.0	8.23	32.25	2,572.9	107.7	99.0	0.61	0.54	-2.07	-42.5	-6.9	
2,771.0	4.94	26.99	2,760.6	126.4	109.9	1.77	-1.74	-2.78	-49.1	-7.9	
2,961.0	5.86	25.63	2,949.8	142.4	117.8	0.49	0.48	-0.72	-52.5	-4.8	
3,056.0	6.32	25.43	3,044.3	151.5	122.2	0.48	0.48	-0.21	-55.5	-2.7	
3,246.0	5.33	31.81	3,233.3	168.5	131.3	0.62	-0.52	3.36	-60.1	7.5	
3,435.0	2.69	163.49	3,422.0	171.7	137.2	3.91	-1.40	69.67	39.3	33.8	
3,625.0	3.69	155.47	3,611.7	161.9	141.0	0.58	0.53	-4.22	18.0	24.6	
3,814.0	3.81	134.20	3,800.3	152.0	148.0	0.73	0.06	-11.25	-4.3	12.5	
4,004.0	3.20	127.43	3,990.0	144.3	156.8	0.39	-0.32	-3.56	-16.6	4.3	
4,194.0	3.74	122.74	4,179.6	137.8	166.2	0.32	0.28	-2.47	-28.4	2.5	
4,383.0	2.90	99.27	4,368.3	133.6	176.1	0.84	-0.44	-12.42	-37.4	-11.5	
4,478.0	3.31	80.53	4,463.2	133.7	181.2	1.15	0.43	-19.73	-36.8	-23.7	



EOG Resources

Midland PVA

Company:	Midland	Local Co-ordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3506.0usft
Site:	Merciless 13 Fed Com	MD Reference:	KB = 26' @ 3506.0usft
Well:	#702H	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)
4,667.0	3.28	120.71	4,651.9	131.8	191.2	1.20	-0.02	21.26	-53.0	9.2
4,762.0	2.28	70.57	4,746.8	131.1	195.3	2.66	-1.05	-52.78	-44.6	-36.9
4,952.0	2.57	28.39	4,936.6	136.1	200.9	0.93	0.15	-22.20	-15.4	-59.8
5,142.0	2.31	28.09	5,126.5	143.2	204.8	0.14	-0.14	-0.16	-23.1	-59.9
5,332.0	1.97	28.38	5,316.3	149.5	208.1	0.18	-0.18	0.15	-30.5	-59.8
5,522.0	2.27	23.33	5,506.2	155.8	211.2	0.19	0.16	-2.66	-32.2	-62.5
5,713.0	2.27	20.47	5,697.0	162.8	214.0	0.06	0.00	-1.50	-36.6	-64.2
5,902.0	2.19	22.56	5,885.9	169.7	216.7	0.06	-0.04	1.11	-46.2	-62.7
6,092.0	2.17	18.52	6,075.8	176.4	219.2	0.08	-0.01	-2.13	-48.9	-66.1
6,282.0	1.71	6.75	6,265.7	182.6	220.7	0.32	-0.24	-6.19	-40.8	-75.4
6,471.0	1.10	72.37	6,454.6	186.0	222.7	0.85	-0.32	34.72	-88.5	8.6
6,661.0	0.56	154.60	6,644.6	185.7	224.9	0.61	-0.28	43.28	-4.6	90.7
6,851.0	0.95	180.11	6,834.6	183.3	225.3	0.27	0.21	13.43	32.5	84.2
7,042.0	1.03	196.97	7,025.6	180.1	224.8	0.16	0.04	8.83	52.3	71.6
7,232.0	0.92	198.30	7,215.5	177.0	223.8	0.06	-0.06	0.70	50.7	70.4
7,423.0	0.93	133.92	7,406.5	174.5	224.4	0.52	0.01	-33.71	-43.8	74.8
7,612.0	0.84	184.86	7,595.5	172.0	225.4	0.41	-0.05	26.95	28.1	82.3
7,802.0	0.85	169.39	7,785.5	169.2	225.6	0.12	0.01	-8.14	2.4	86.5
7,992.0	1.18	186.04	7,975.4	165.9	225.6	0.23	0.17	8.76	23.7	82.6
8,182.0	1.08	182.39	8,165.4	162.2	225.3	0.06	-0.05	-1.92	14.7	83.8
8,371.0	1.12	206.27	8,354.4	158.7	224.4	0.24	0.02	12.63	43.9	71.4
8,562.0	1.27	205.96	8,545.3	155.2	222.7	0.08	0.08	-0.16	39.5	71.6
8,752.0	1.52	214.73	8,735.3	151.2	220.3	0.17	0.13	4.62	45.3	65.1
8,943.0	1.70	216.11	8,926.2	146.8	217.2	0.10	0.09	0.72	41.5	64.0
9,133.0	1.04	227.67	9,116.1	143.4	214.3	0.37	-0.35	6.08	49.0	55.0
9,323.0	1.06	247.51	9,306.1	141.6	211.4	0.19	0.01	10.44	61.4	35.6
9,513.0	1.96	264.34	9,496.0	140.6	206.5	0.52	0.47	8.86	64.2	16.9



EOG Resources

Midland PVA

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Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3506.0usft
Site:	Merciless 13 Fed Com	MD Reference:	KB = 26' @ 3506.0usft
Well:	#702H	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)
9,703.0	2.65	300.50	9,685.9	142.5	199.5	0.83	0.36	19.03	54.7	-22.4
9,798.0	2.56	298.20	9,780.8	144.6	195.7	0.15	-0.09	-2.42	51.3	-20.2
9,987.0	1.57	277.47	9,969.7	146.9	189.5	0.65	-0.52	-10.97	48.6	-2.3
10,176.0	1.26	312.89	10,158.6	148.7	185.4	0.48	-0.16	18.74	34.1	-28.5
10,366.0	0.83	350.18	10,348.6	151.5	183.6	0.41	-0.23	19.63	6.8	-42.0
10,555.0	1.46	55.08	10,537.6	154.2	185.3	0.71	0.33	34.34	-38.2	-22.8
10,745.0	1.66	15.11	10,727.5	158.2	188.0	0.57	0.11	-21.04	-19.2	-43.5
10,935.0	1.01	333.30	10,917.4	162.4	188.0	0.59	-0.34	-22.01	11.0	-47.1
11,125.0	1.64	55.65	11,107.4	165.4	189.5	0.95	0.33	43.34	-48.2	-15.5
11,315.0	2.54	26.76	11,297.3	170.7	193.6	0.72	0.47	-15.21	-41.3	-38.1
11,506.0	2.39	18.82	11,488.1	178.2	196.8	0.20	-0.08	-4.16	-43.8	-44.1
11,573.0	2.52	29.41	11,555.0	180.9	198.0	0.70	0.19	15.81	-54.0	-35.0
11,655.0	2.54	42.39	11,637.0	183.8	200.1	0.70	0.02	15.83	-64.0	-21.6
11,750.0	2.87	34.41	11,731.9	187.3	202.9	0.53	0.35	-8.40	-64.9	-30.6
11,800.0	4.47	154.14	11,781.8	186.6	204.4	12.79	3.19	239.45	4.3	72.6
KOP, MD:11800.0', TVD:11781.8', N/S:186.6', E/W:204.4', INC:4.47										
11,845.0	10.02	167.14	11,826.4	181.2	206.1	12.79	12.34	28.90	15.7	70.3
11,939.0	31.46	174.34	11,913.8	148.4	210.4	22.93	22.81	7.66	4.8	70.0
12,022.9	35.76	177.48	11,983.7	102.1	213.6	5.52	5.12	3.75	-13.0	72.0
FTP Crossing, MD:12022.9', TVD:11983.7', N/S:102.1', E/W:213.6', INC:35.76										
12,034.0	36.33	177.85	11,992.7	95.6	213.9	5.52	5.17	3.30	-14.9	72.3
12,130.0	41.76	182.58	12,067.2	35.2	213.5	6.45	5.66	4.93	-24.4	72.9
12,226.0	50.27	179.28	12,133.8	-33.8	212.5	9.20	8.86	-3.44	-33.0	70.5
12,320.0	58.21	179.01	12,188.7	-110.0	213.7	8.45	8.45	-0.29	-31.8	71.2
12,415.0	66.22	185.52	12,233.0	-193.9	210.2	10.38	8.43	6.85	-20.5	68.4
12,510.0	73.86	183.85	12,265.4	-282.8	202.9	8.21	8.04	-1.76	-7.2	60.0
12,605.0	91.96	190.36	12,277.1	-375.9	191.2	20.22	19.05	6.85	1.1	47.7



EOG Resources

Midland PVA

Company:	Midland	Local Co-ordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3506.0usft
Site:	Merciless 13 Fed Com	MD Reference:	KB = 26' @ 3506.0usft
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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)
12,701.0	89.89	190.29	12,275.6	-470.3	174.0	2.16	-2.16	-0.07	0.3	30.0
12,795.0	88.74	187.13	12,276.7	-563.2	159.8	3.58	-1.22	-3.36	1.9	15.4
12,890.0	89.05	181.24	12,278.5	-657.9	152.8	6.21	0.33	-6.20	4.2	8.0
12,985.0	86.05	179.51	12,282.6	-752.8	152.2	3.64	-3.16	-1.82	8.7	6.9
13,080.0	89.05	177.70	12,286.6	-847.7	154.5	3.69	3.16	-1.91	13.2	8.8
13,174.0	89.83	178.78	12,287.6	-941.6	157.4	1.42	0.83	1.15	14.6	11.2
13,269.0	93.19	179.17	12,285.1	-1,036.6	159.1	3.56	3.54	0.41	12.6	12.5
13,364.0	92.47	179.41	12,280.4	-1,131.4	160.3	0.80	-0.76	0.25	8.3	13.2
13,460.0	92.16	181.28	12,276.5	-1,227.4	159.7	1.97	-0.32	1.95	4.9	12.1
13,555.0	88.65	182.06	12,275.8	-1,322.3	156.9	3.78	-3.69	0.82	4.7	8.9
13,650.0	88.63	182.84	12,278.1	-1,417.2	152.9	0.82	-0.02	0.82	7.4	4.4
13,745.0	86.86	181.58	12,281.8	-1,512.0	149.2	2.29	-1.86	-1.33	11.6	0.3
13,840.0	91.68	180.44	12,283.0	-1,607.0	147.5	5.21	5.07	-1.20	13.3	-1.8
13,935.0	90.79	180.05	12,281.0	-1,702.0	147.1	1.02	-0.94	-0.41	11.7	-2.7
14,030.0	90.22	179.94	12,280.1	-1,797.0	147.1	0.61	-0.60	-0.12	11.4	-3.1
14,126.0	91.46	180.52	12,278.7	-1,892.9	146.8	1.43	1.29	0.60	10.4	-4.0
14,221.0	87.20	176.60	12,279.8	-1,987.9	149.1	6.09	-4.48	-4.13	12.0	-2.1
14,316.0	87.51	177.67	12,284.2	-2,082.6	153.9	1.17	0.33	1.13	16.8	2.2
14,410.0	91.01	179.97	12,285.4	-2,176.6	155.8	4.46	3.72	2.45	18.5	3.7
14,505.0	91.60	179.61	12,283.3	-2,271.6	156.2	0.73	0.62	-0.38	16.8	3.6
14,600.0	91.99	178.80	12,280.3	-2,366.5	157.5	0.95	0.41	-0.85	14.3	4.5
14,695.0	91.40	179.03	12,277.5	-2,461.5	159.3	0.67	-0.62	0.24	12.0	5.8
14,791.0	92.19	180.19	12,274.5	-2,557.4	159.9	1.46	0.82	1.21	9.4	6.0
14,885.0	88.94	184.00	12,273.6	-2,651.3	156.5	5.33	-3.46	4.05	9.0	2.1
14,980.0	91.54	184.80	12,273.2	-2,746.0	149.2	2.86	2.74	0.84	9.0	-5.6
15,075.0	88.46	181.53	12,273.2	-2,840.8	144.0	4.73	-3.24	-3.44	9.5	-11.3
15,170.0	85.45	181.19	12,278.2	-2,935.7	141.7	3.19	-3.17	-0.36	15.0	-14.0



EOG Resources

Midland PVA

Company:	Midland	Local Co-ordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3506.0usft
Site:	Merciless 13 Fed Com	MD Reference:	KB = 26' @ 3506.0usft
Well:	#702H	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)
15,266.0	87.64	177.68	12,284.0	-3,031.5	142.7	4.30	2.28	-3.66	21.3	-13.5
15,361.0	94.46	177.62	12,282.2	-3,126.3	146.6	7.18	7.18	-0.06	20.0	-10.1
15,456.0	91.82	177.57	12,277.0	-3,221.1	150.5	2.78	-2.78	-0.05	15.2	-6.5
15,552.0	93.56	180.14	12,272.5	-3,317.0	152.5	3.23	1.81	2.68	11.2	-5.1
15,648.0	89.27	182.65	12,270.2	-3,412.9	150.1	5.18	-4.47	2.61	9.3	-7.9
15,744.0	88.37	182.36	12,272.1	-3,508.8	145.9	0.98	-0.94	-0.30	11.8	-12.5
15,840.0	86.30	180.52	12,276.6	-3,604.6	143.5	2.88	-2.16	-1.92	16.7	-15.4
15,936.0	87.23	177.48	12,282.0	-3,700.4	145.2	3.31	0.97	-3.17	22.6	-14.2
16,031.0	90.78	176.23	12,283.7	-3,795.3	150.4	3.96	3.74	-1.32	24.7	-9.4
16,127.0	91.26	175.73	12,282.0	-3,891.0	157.1	0.72	0.50	-0.52	23.5	-3.1
16,223.0	92.07	177.05	12,279.2	-3,986.8	163.2	1.61	0.84	1.37	21.1	2.4
16,318.0	91.96	178.39	12,275.8	-4,081.6	167.0	1.41	-0.12	1.41	18.3	5.8
16,414.0	91.71	179.23	12,272.8	-4,177.6	168.9	0.91	-0.26	0.87	15.6	7.3
16,510.0	90.48	180.80	12,270.9	-4,273.5	168.9	2.08	-1.28	1.64	14.3	6.8
16,605.0	89.86	181.11	12,270.6	-4,368.5	167.3	0.73	-0.65	0.33	14.5	4.8
16,701.0	89.08	180.55	12,271.5	-4,464.5	165.9	1.00	-0.81	-0.58	15.8	2.9
16,796.0	89.22	180.41	12,272.9	-4,559.5	165.1	0.21	0.15	-0.15	17.7	1.7
16,892.0	90.42	180.68	12,273.2	-4,655.5	164.2	1.28	1.25	0.28	18.5	0.3
16,987.0	89.19	179.38	12,273.6	-4,750.5	164.2	1.88	-1.29	-1.37	19.3	-0.2
17,082.0	90.31	179.31	12,274.0	-4,845.5	165.3	1.18	1.18	-0.07	20.1	0.4
17,112.0	90.77	179.08	12,273.7	-4,875.5	165.7	1.71	1.53	-0.77	20.0	0.7
17,207.0	89.23	180.36	12,273.7	-4,970.5	166.2	2.11	-1.62	1.35	20.5	0.7
17,303.0	89.90	179.60	12,274.4	-5,066.5	166.2	1.06	0.70	-0.79	21.7	0.3
17,399.0	91.08	179.46	12,273.6	-5,162.5	167.0	1.24	1.23	-0.15	21.3	0.6
17,495.0	89.93	179.41	12,272.8	-5,258.4	167.9	1.20	-1.20	-0.05	20.9	1.1
17,591.0	90.55	179.05	12,272.4	-5,354.4	169.2	0.75	0.65	-0.37	21.0	2.0
17,687.0	90.07	180.26	12,271.8	-5,450.4	169.8	1.36	-0.50	1.26	21.0	2.1



EOG Resources

Midland PVA

Company:	Midland	Local Co-ordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3506.0usft
Site:	Merciless 13 Fed Com	MD Reference:	KB = 26' @ 3506.0usft
Well:	#702H	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)
17,783.0	88.98	180.51	12,272.6	-5,546.4	169.1	1.16	-1.14	0.26	22.2	1.0
17,878.0	89.79	180.95	12,273.7	-5,641.4	167.9	0.97	0.85	0.46	23.7	-0.7
17,973.0	89.82	181.37	12,274.0	-5,736.4	166.0	0.44	0.03	0.44	24.5	-3.1
18,069.0	90.13	180.57	12,274.0	-5,832.4	164.4	0.89	0.32	-0.83	25.0	-5.1
18,165.0	89.71	179.58	12,274.2	-5,928.4	164.3	1.12	-0.44	-1.03	25.6	-5.7
18,261.0	90.83	180.14	12,273.7	-6,024.4	164.5	1.30	1.17	0.58	25.6	-5.9
18,356.0	88.53	179.41	12,274.2	-6,119.4	164.9	2.54	-2.42	-0.77	26.6	-6.0
18,451.0	89.34	179.19	12,276.0	-6,214.3	166.0	0.88	0.85	-0.23	28.9	-5.3
18,546.0	88.92	177.87	12,277.4	-6,309.3	168.5	1.46	-0.44	-1.39	30.8	-3.3
18,641.0	90.77	180.19	12,277.7	-6,404.3	170.1	3.12	1.95	2.44	31.5	-2.2
18,736.0	87.10	180.41	12,279.5	-6,499.2	169.6	3.87	-3.86	0.23	33.5	-3.1
18,831.0	88.89	180.74	12,282.8	-6,594.2	168.6	1.92	1.88	0.35	36.8	-4.5
18,926.0	90.69	182.08	12,283.1	-6,689.1	166.3	2.36	1.89	1.41	37.2	-7.3
19,021.0	89.45	181.74	12,283.0	-6,784.1	163.1	1.35	-1.31	-0.36	37.0	-10.9
19,115.0	91.19	181.84	12,282.5	-6,878.0	160.2	1.85	1.85	0.11	36.5	-14.3
19,210.0	91.22	181.01	12,280.5	-6,973.0	157.8	0.87	0.03	-0.87	34.5	-17.1
19,305.0	89.29	179.27	12,280.1	-7,068.0	157.6	2.74	-2.03	-1.83	34.1	-17.8
19,400.0	91.28	178.95	12,279.6	-7,162.9	159.1	2.12	2.09	-0.34	33.6	-16.8
19,495.0	92.03	178.48	12,276.9	-7,257.9	161.2	0.93	0.79	-0.49	30.9	-15.1
19,590.0	93.16	176.27	12,272.6	-7,352.7	165.5	2.61	1.19	-2.33	26.6	-11.2
19,685.0	88.67	175.60	12,271.0	-7,447.4	172.3	4.78	-4.73	-0.71	25.0	-4.9
19,780.0	90.85	177.19	12,271.4	-7,542.2	178.2	2.84	2.29	1.67	25.4	0.6
Last MWD Survey (MD=19780.0')										
19,844.0	90.85	177.19	12,270.5	-7,606.1	181.4	0.00	0.00	0.00	24.5	3.4
Projection to Bit (MD=19844.0')										



EOG Resources

Midland PVA

Company: Midland
Project: Lea County, NM (NAD 83 NME)
Site: Merciless 13 Fed Com
Well: #702H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #702H
TVD Reference: KB = 26' @ 3506.0usft
MD Reference: KB = 26' @ 3506.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: PEDM

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,800.0	11,781.8	186.6	204.4	KOP, MD:11800.0', TVD:11781.8',N/S:186.6', E/W:204.4', INC:4.47
12,022.9	11,983.7	102.1	213.6	FTP Crossing, MD:12022.9', TVD:11983.7',N/S:102.1', E/W:213.6', INC:35.76
19,780.0	12,271.4	-7,542.2	178.2	Last MWD Survey (MD=19780.0')
19,844.0	12,270.5	-7,606.1	181.4	Projection to Bit (MD=19844.0')

Checked By: _____ Approved By: _____ Date: _____

I CERTIFY THIS SURVEY TO BE TRUE AND CORRECT TO THE BEST OF MY BELIEF AND KNOWLEDGE
 KAY MADDOX 03/10/2022



Lea County, NM (NAD 83 NME)

Merciless 13 Fed Com #720H

ST 01

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

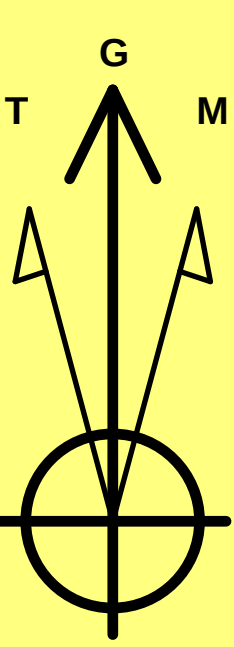
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #720H

KB = 26' @ 3506.0usft 3480.0
Northing 414366.00 Easting 757597.00 Latitude 32° 8' 14.074 N Longitude 103° 38' 4.776 W

Azimuths to Grid North
True North: -0.37°
Magnetic North: 6.15°

Magnetic Field
Strength: 47398.8nT
Dip Angle: 59.80°
Date: 10/23/2021
Model: IGRF2020



To convert a Magnetic Direction to a Grid Direction, Add 6.15°
To convert a Magnetic Direction to a True Direction, Add 6.53° East
To convert a True Direction to a Grid Direction, Subtract 0.37°

SECTION DETAILS

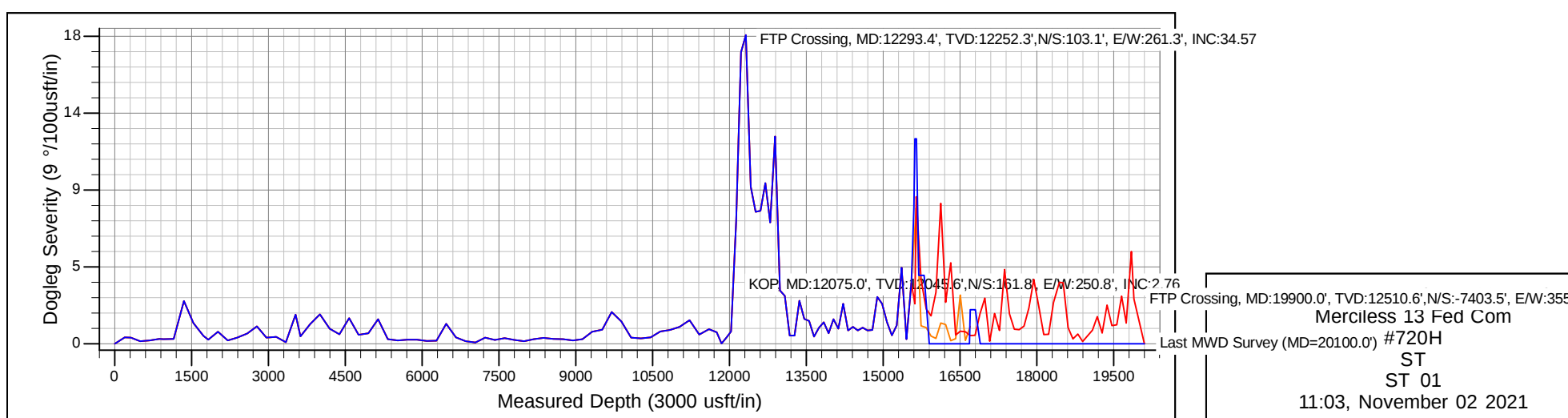
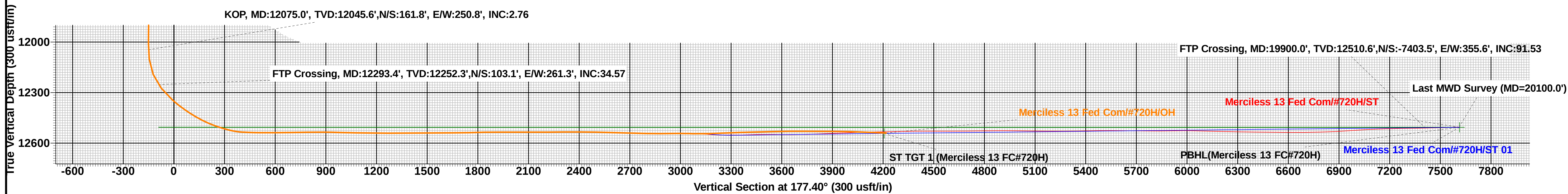
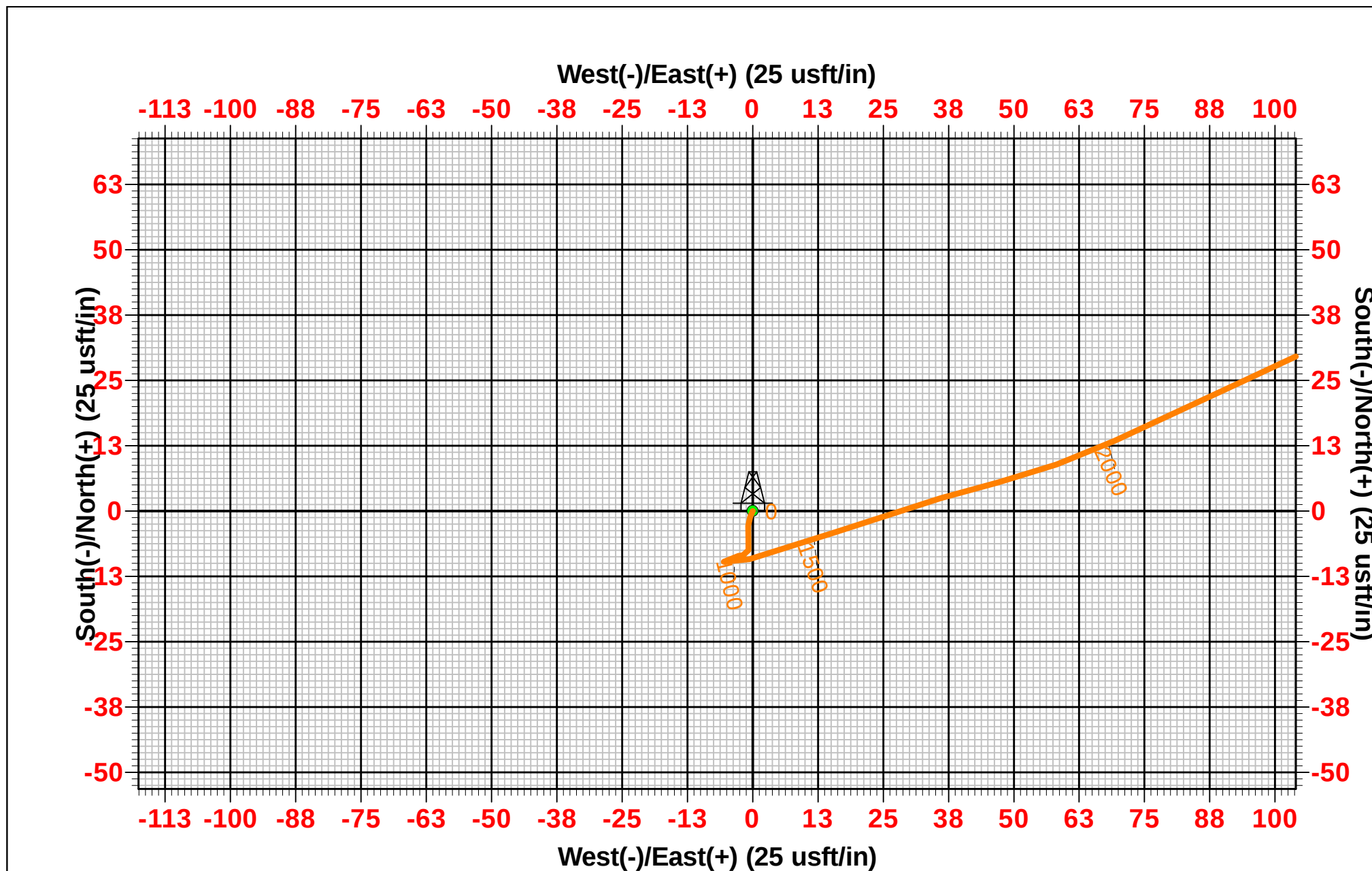
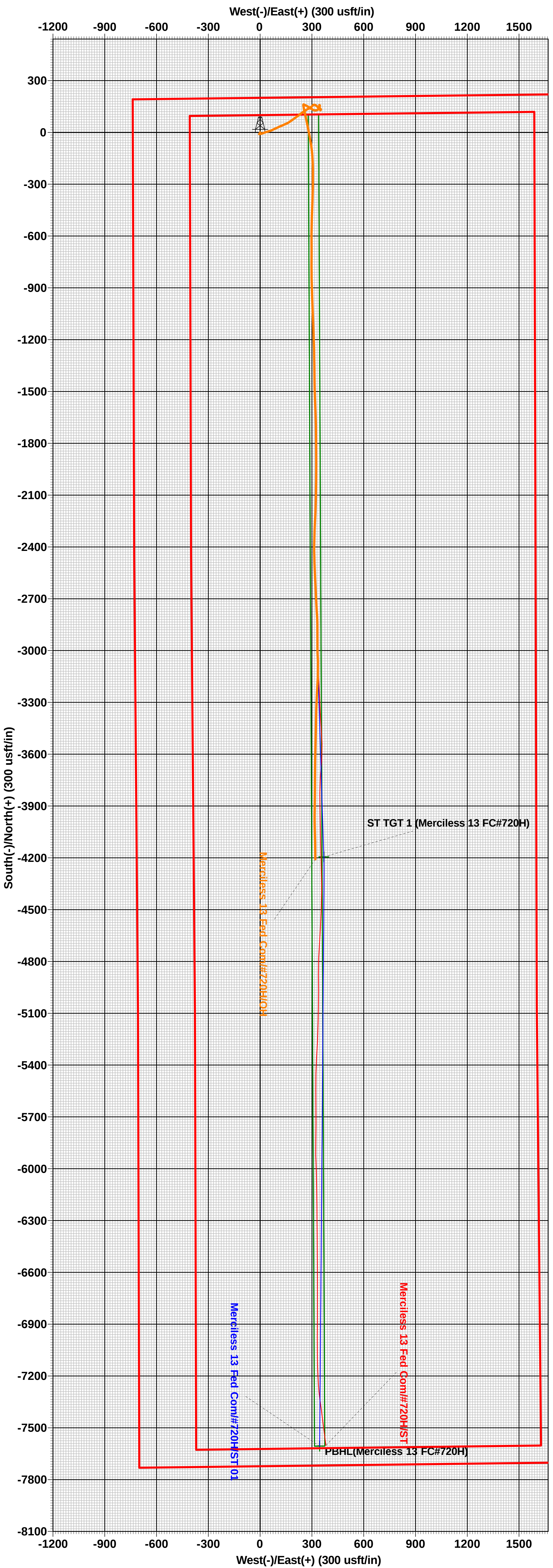
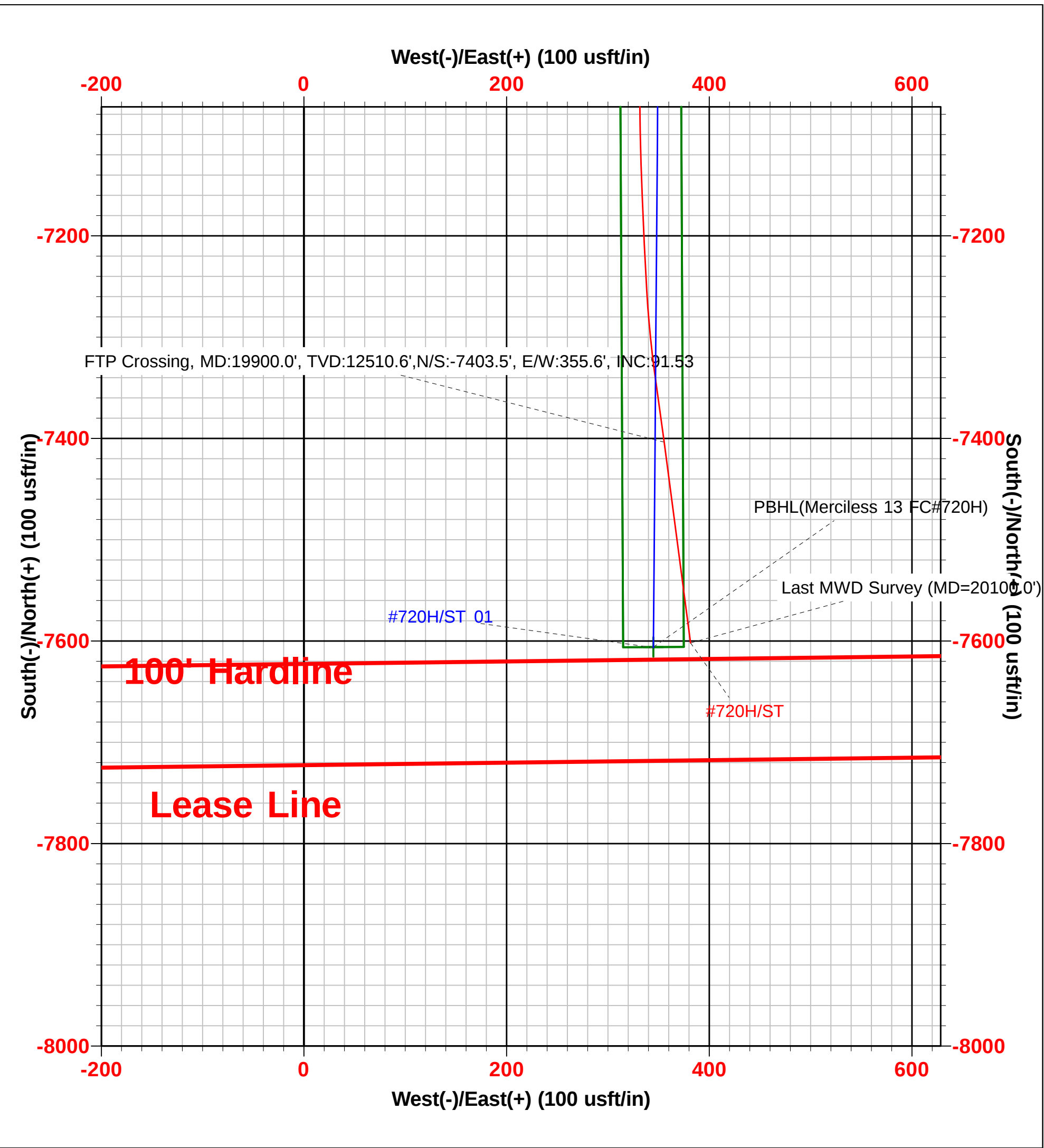
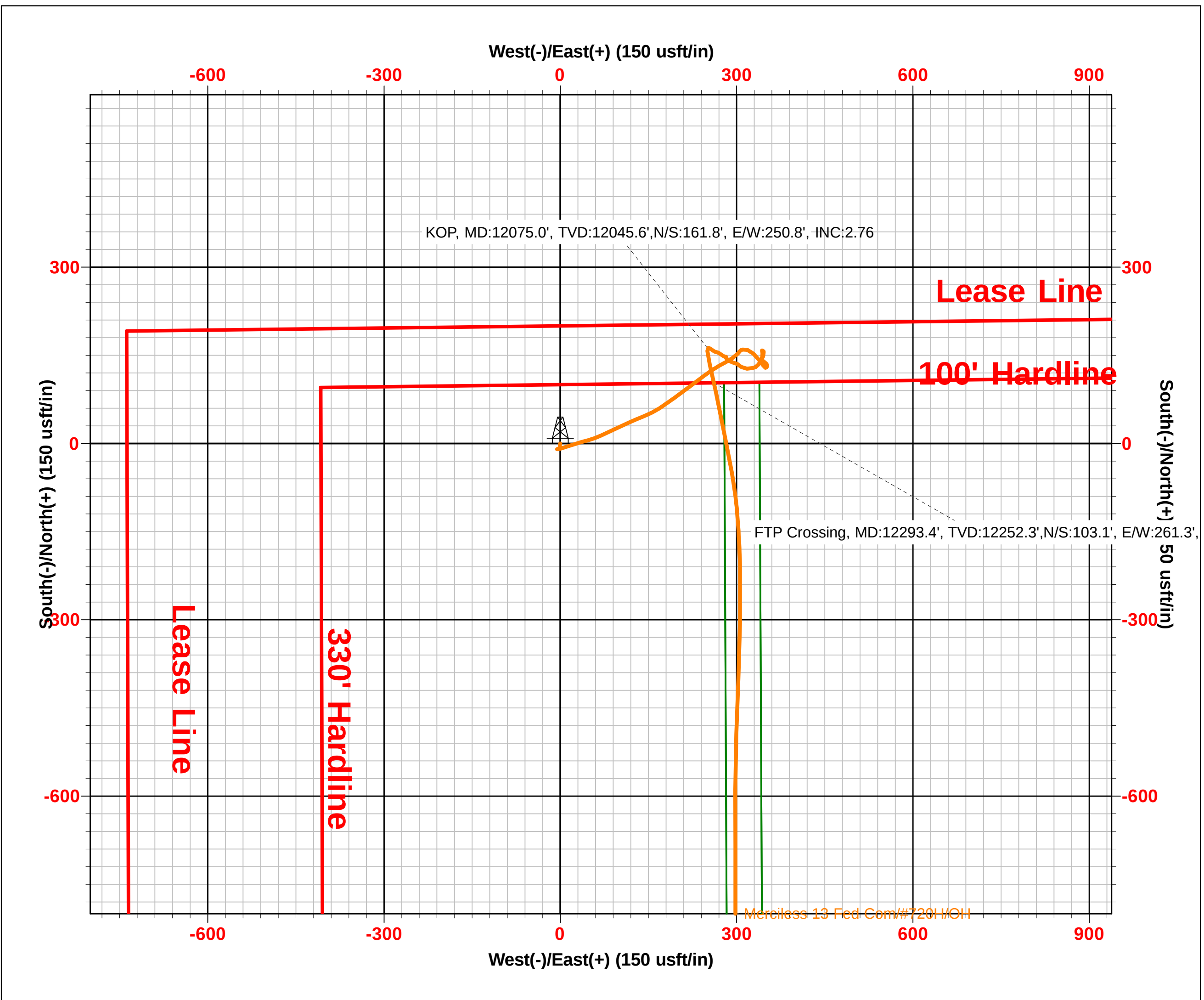
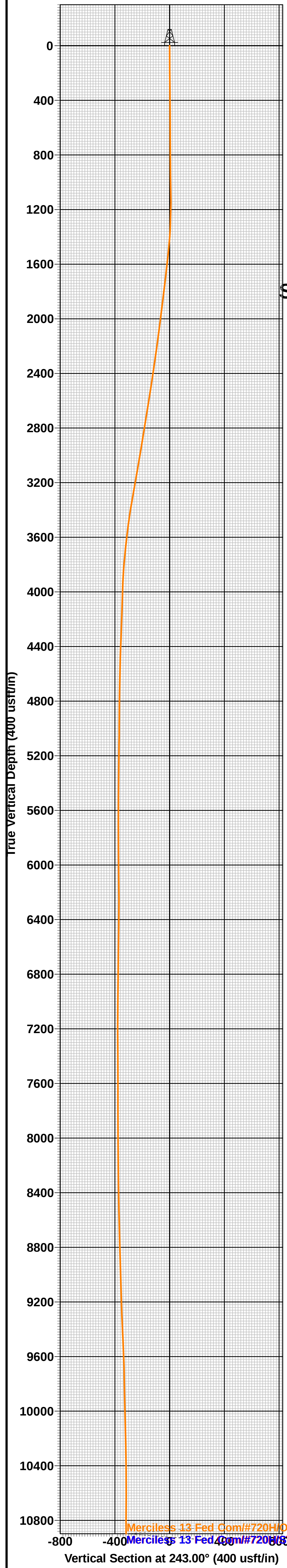
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	15553.0	88.22	177.13	12544.0	-3061.2	334.6	0.00	0.00	3073.3	
2	15600.0	90.23	180.28	12544.7	-3108.2	335.6	7.95	57.49	3120.2	
3	15650.0	84.59	178.22	12546.9	-3158.1	336.3	12.00	-160.00	3170.1	
4	15802.5	90.69	178.19	12553.2	-3310.4	341.1	4.00	-0.31	3322.4	
5	16686.6	90.69	178.19	12542.5	-4194.0	369.0	0.00	0.00	4206.4	ST TGT 1 (Merciless 13 FC#720H)
6	16799.3	90.61	180.44	12541.2	-4306.6	370.3	2.00	92.04	4319.0	
7	20098.9	90.61	180.44	12506.0	-7606.0	345.0	0.00	0.00	7613.8	PBHL(Merciless 13 FC#720H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
PBHL(Merciless 13 FC#720H)	12506.0	-7606.0	345.0	406760.00	757942.00
ST TGT 1 (Merciless 13 FC#720H)	12542.5	-4194.0	369.0	410172.00	757966.00



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 MERCILESS 13 FED COM		
								6. Well Number: 702H		
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 WC025 G09 S253309P; UPPER WOLFCAMP				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	D	13	25S	32E		200	NORTH	704	WEST	LEA
BH:	E	24	25S	32E		2532	NORTH	849	WEST	LEA
13. Date Spudded 08/31/2021	14. Date T.D. Reached 10/14/2021		15. Date Rig Released 10/15/2021			16. Date Completed (Ready to Produce) 02/15/2022		17. Elevations (DF and RKB, RT, GR, etc.) 3480' GL		
18. Total Measured Depth of Well MD 19,844' TVD 12,270'			19. Plug Back Measured Depth MD 19,814' 12,270'			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 12,400 - 19,814'										
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		996'		12 1/4"		445 CL C/CIRC		
7 5/8"		29.7# ECP 110		11,615'		9 7/8"		1437 CL C & H/CIRC		
5 1/2"		20# ECP 110		19,822'		7 7/8"		755 CL H TOC 10,600' 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) 12,400 - 19,814' 3 1/8", 1557 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						12,400 - 19,814'		FRAC W/18,028,338 lbs proppant, 257,405 bbls load fld		
28. PRODUCTION										
Date First Production 02/15/2022		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 03/02/2022	Hours Tested 24	Choke Size 60	Prod'n For Test Period	Oil - Bbl 3441	Gas - MCF 8287	Water - Bbl. 6443	Gas - Oil Ratio 2409			
Flow Tubing Press.	Casing Pressure 1266	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (<i>Corr.</i>) 48				
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										
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 03/23/2022	
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	876'	T. Canyon	Brushy	7369'	T. Ojo Alamo	T. Penn A "
T. Salt		1203'	T. Strawn			T. Kirtland	T. Penn. "B"
B. Salt		4651'	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	10,015'		T. Entrada	
T. Wolfcamp	12,153'		T. 2nd BS Sand	10,513'		T. Wingate	
T. Penn			T. 3rd BS Sand	11,690'		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/ocd/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 92968

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 92968
	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

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

CONDITIONS

Action 92968

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 92968
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report within 10 days of BLM approval.	11/15/2024