

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 01/18/2022
⁴ API Number 30 - 025-47749	⁵ Pool Name WC025 G08 S253235G; LOWER BONE SPRING	⁶ Pool Code 97903
⁷ Property Code 329701	⁸ Property Name RUTHLESS 11 FEDERAL COM	⁹ Well Number 502H

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
C	11	25S	32E		622'	NORTH	1425'	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
M	14	25S	32E		110'	SOUTH	806'	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 05/07/2021	²² Ready Date 01/18/2022	²³ TD 21,075'	²⁴ PBTD 21,058'	²⁵ Perforations 10,970 - 21,058'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	1007'	1071 SXS CL C/CIRC		
12 1/4"	9 5/8"	4780'	1365 SXS CL C/CIRC		
8 1/2"	5 1/2"	21,066'	3585 SXS CL H TOC 4368' CBL		

V. Well Test Data

³¹ Date New Oil 01/18/2022	³² Gas Delivery Date 01/18/2022	³³ Test Date 01/29/2022	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 829
³⁷ Choke Size 128	³⁸ Oil 4885	³⁹ Water 6770	⁴⁰ Gas 8081		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: <i>PATRICIA MARTINEZ</i>
Printed name: Kay Maddox	Title: <i>PETROLEUM SPECIALIST</i>
Title: SENIOR REGULATORY SPECIALIST	Approval Date: <i>7/24/2024</i>
E-mail Address: kay_maddox@eogresources.com	
Date: 02/22/2022	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- 47749	² Pool Code 97903	³ Pool Name WC025 G08 S253235G; LOWER BONE SPRING
⁴ Property Code 329701	⁵ Property Name RUTHLESS 11 FED COM	⁶ Well Number 502H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3498'

¹⁰Surface Location

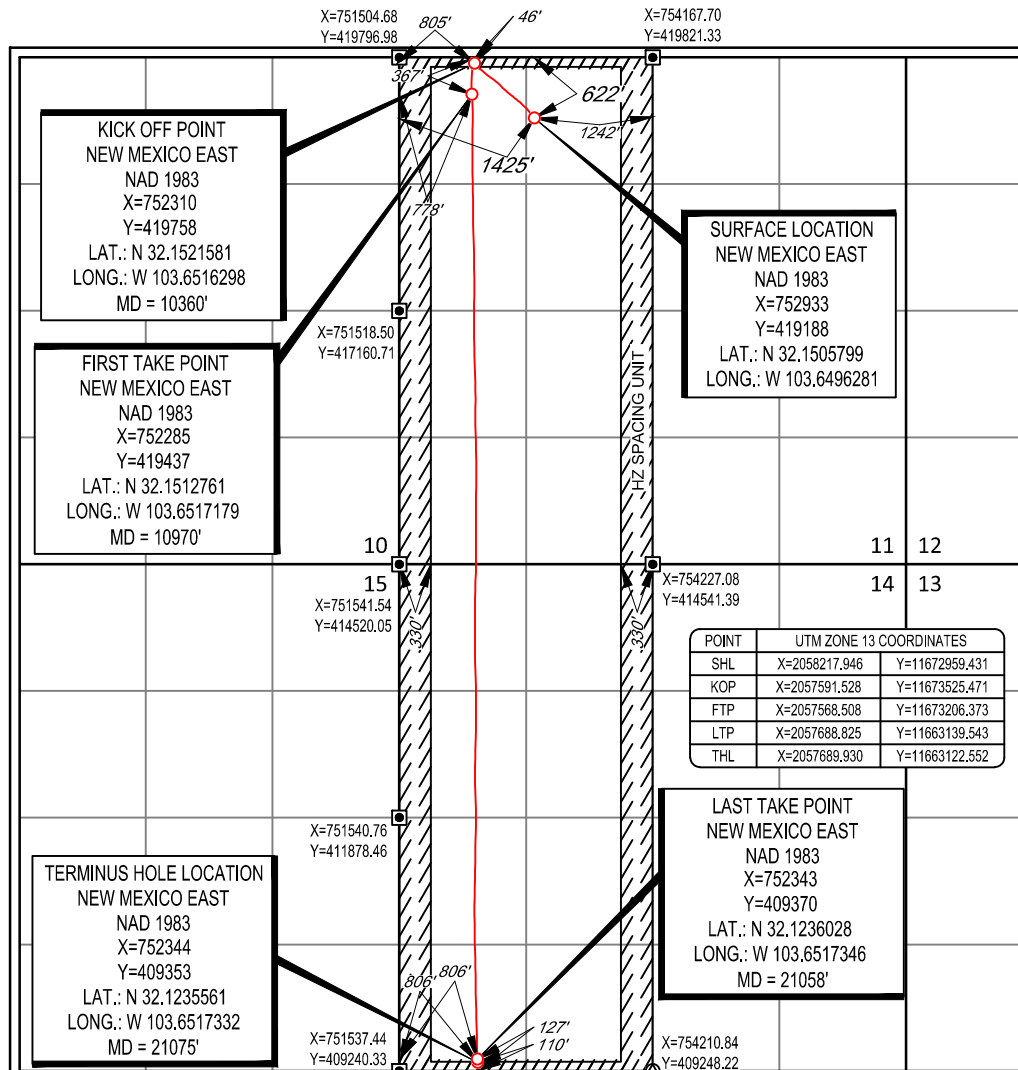
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	11	25-S	32-E	-	622'	NORTH	1425'	WEST	LEA

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
M	14	25-S	32-E	-	110'	SOUTH	806'	WEST	LEA

¹² Dedicated Acres 640.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--	-------------------------------	----------------------------------	-------------------------

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.

¹⁷OPERATOR CERTIFICATION

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

Kay Maddox 02/22/2022
Signature Date

KAY MADDOX
Printed Name

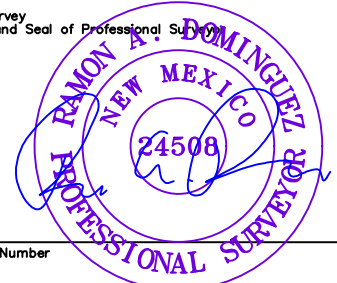
KAY.MADDOX@EOGRESOURCES.COM
E-mail Address

¹⁸SURVEYOR CERTIFICATION

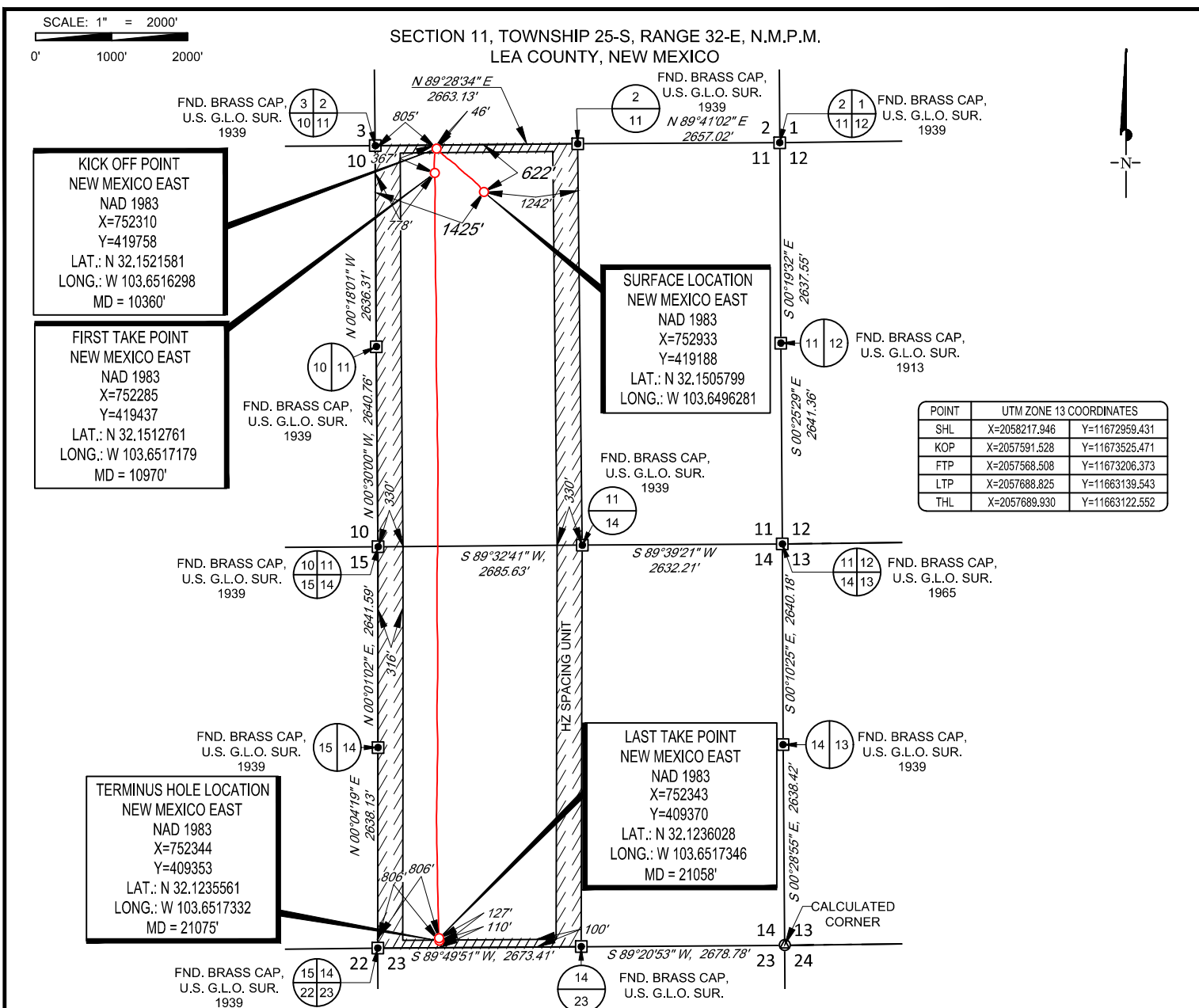
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

05/06/2021

Date of Survey
Signature and Seal of Professional Surveyor



Certificate Number



LEASE NAME & WELL NO.: RUTHLESS 11 FED COM 502H

SECTION 11 TWP 25-S RGE 32-E SURVEY N.M.P.M.

COUNTY LEA STATE NM ELEVATION 3498'

DESCRIPTION 622' FNL & 1425' FWL



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



Ramon A. Dominguez, P.S. No. 24508
FEBRUARY 16, 2022

RUTHLESS 11 FED COM
502H
AS-COMPLETED

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.

DATE: 02/16/22

FILE: AD_RUTHLESS_11_FED_COM_502H

DRAWN BY: EAH

SHEET: 2 OF 2



Lea County, NM (NAD 83 NME)

Ruthless 11 Fed Com #502H

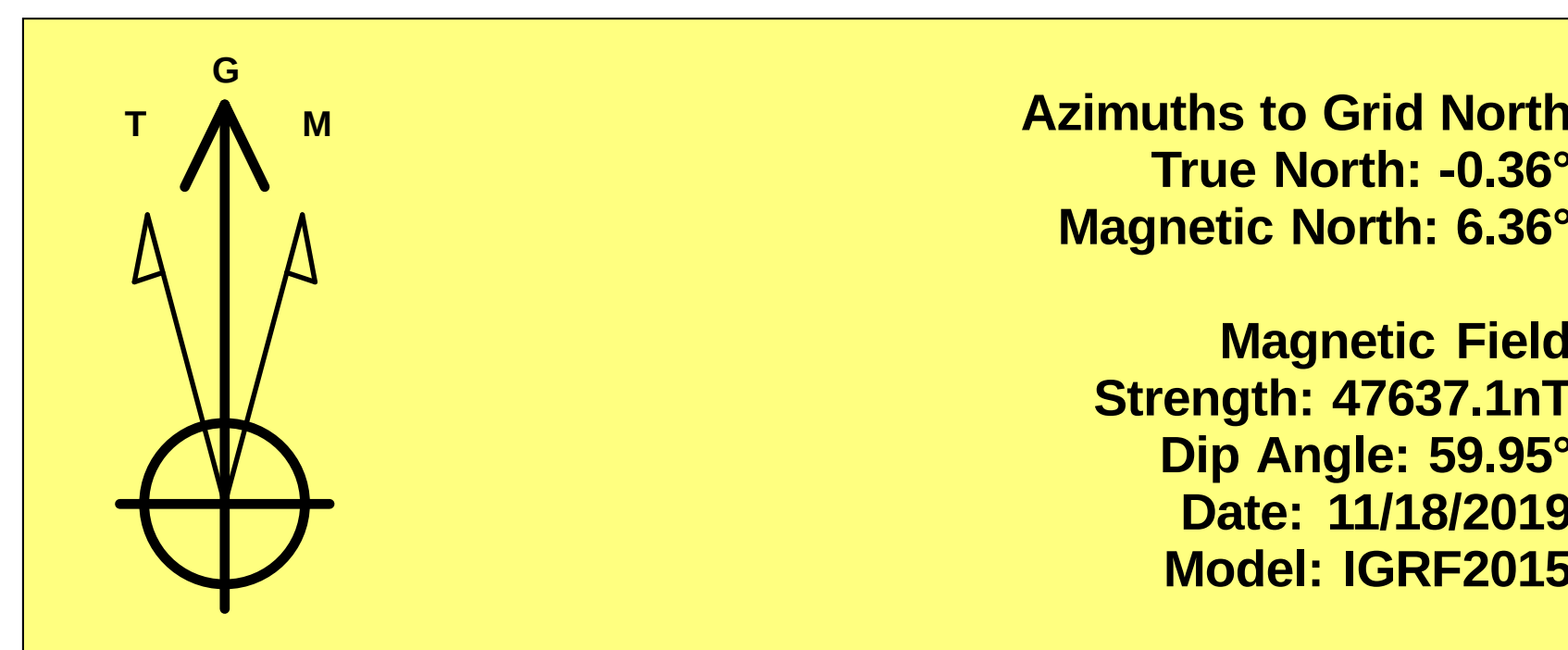
OH

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: #502H

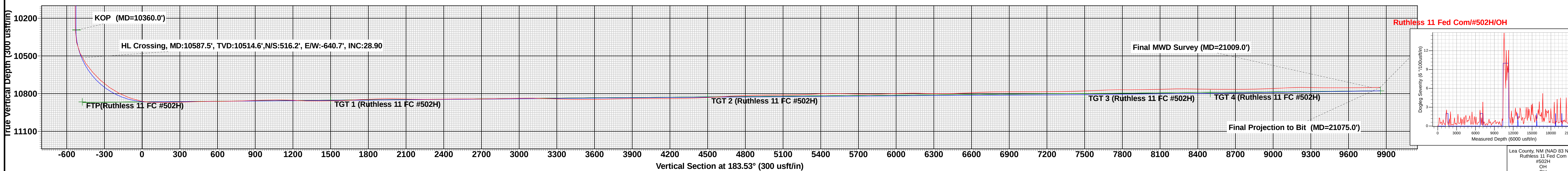
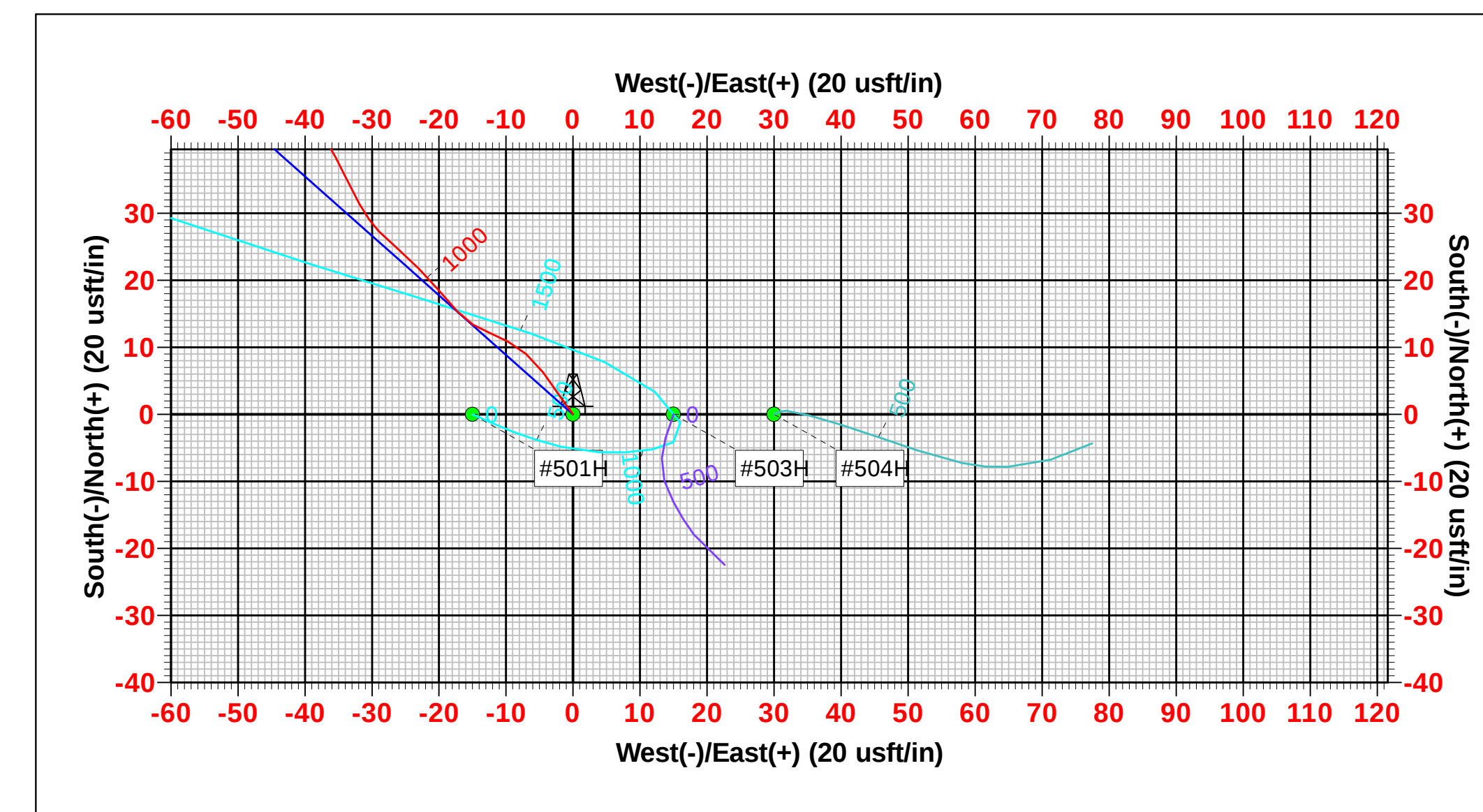
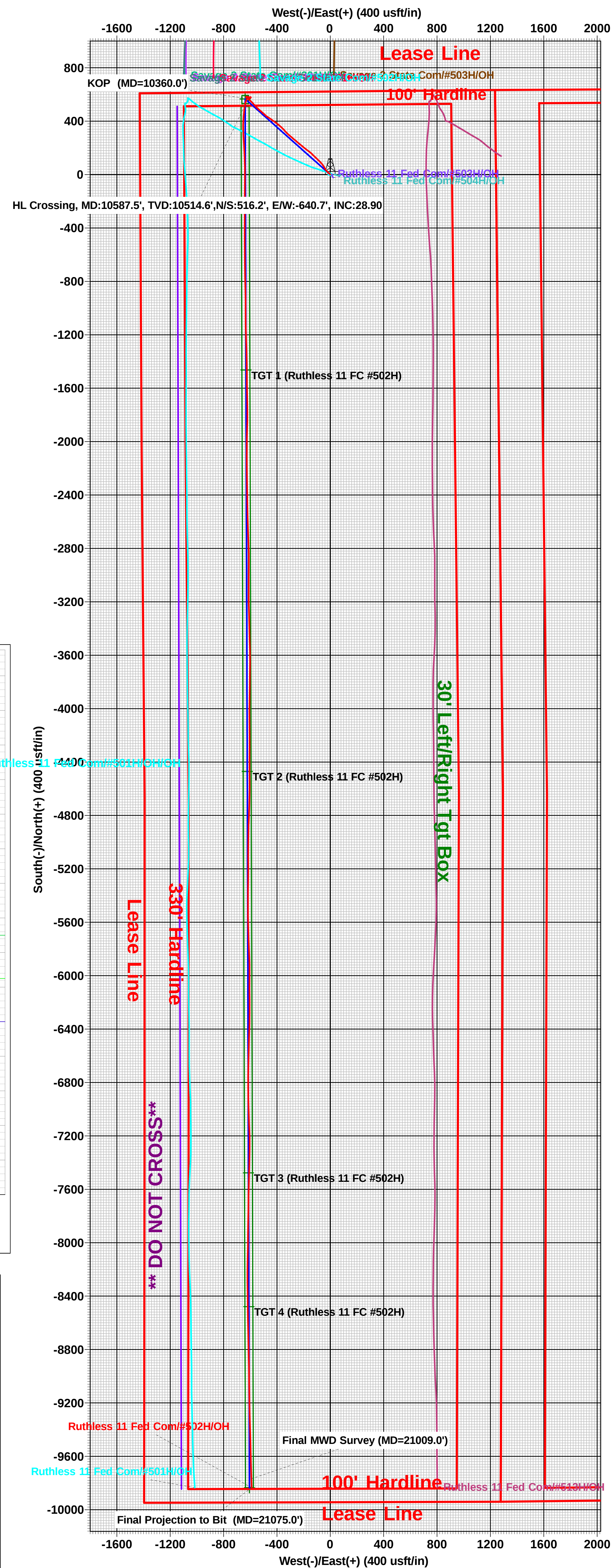
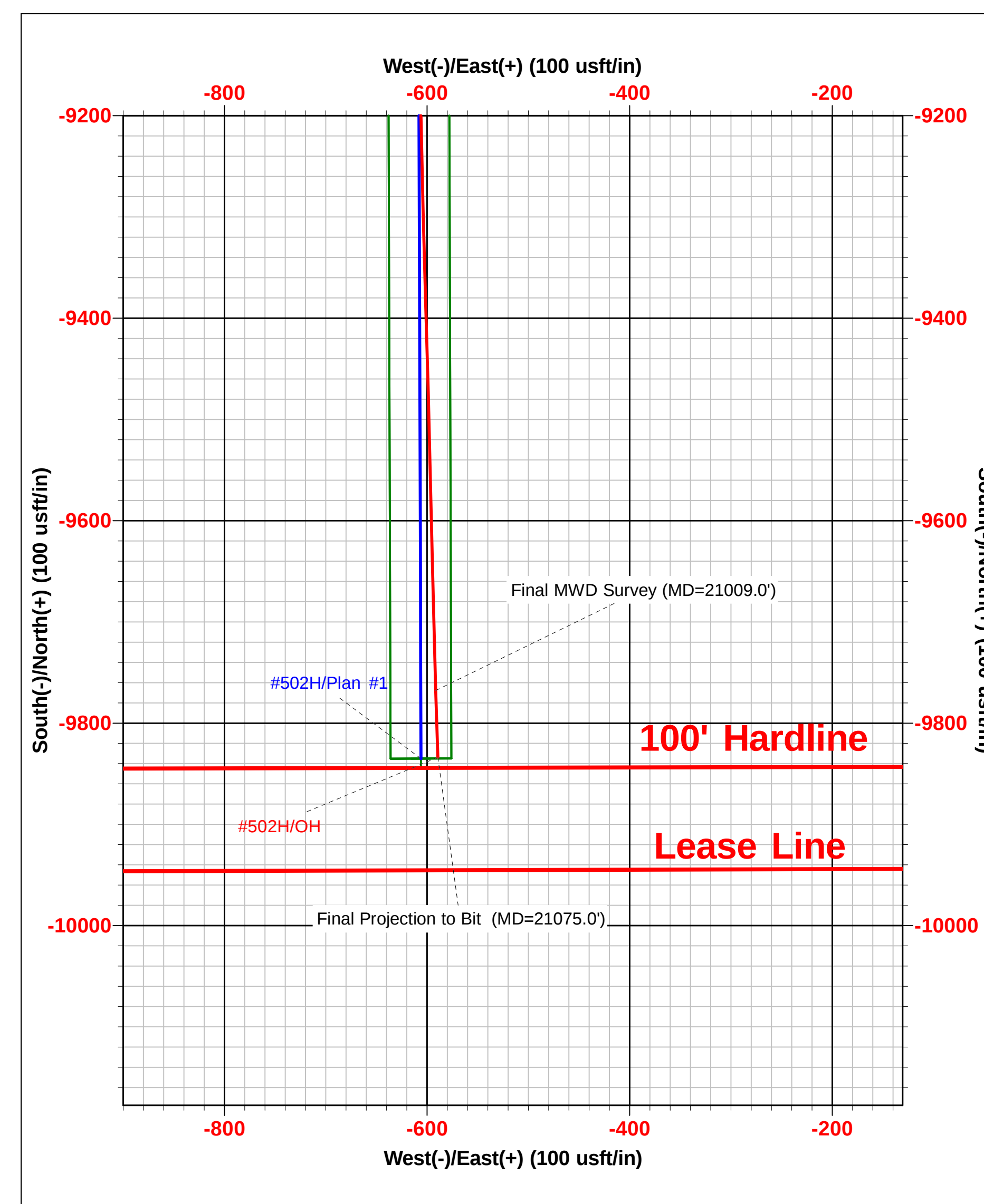
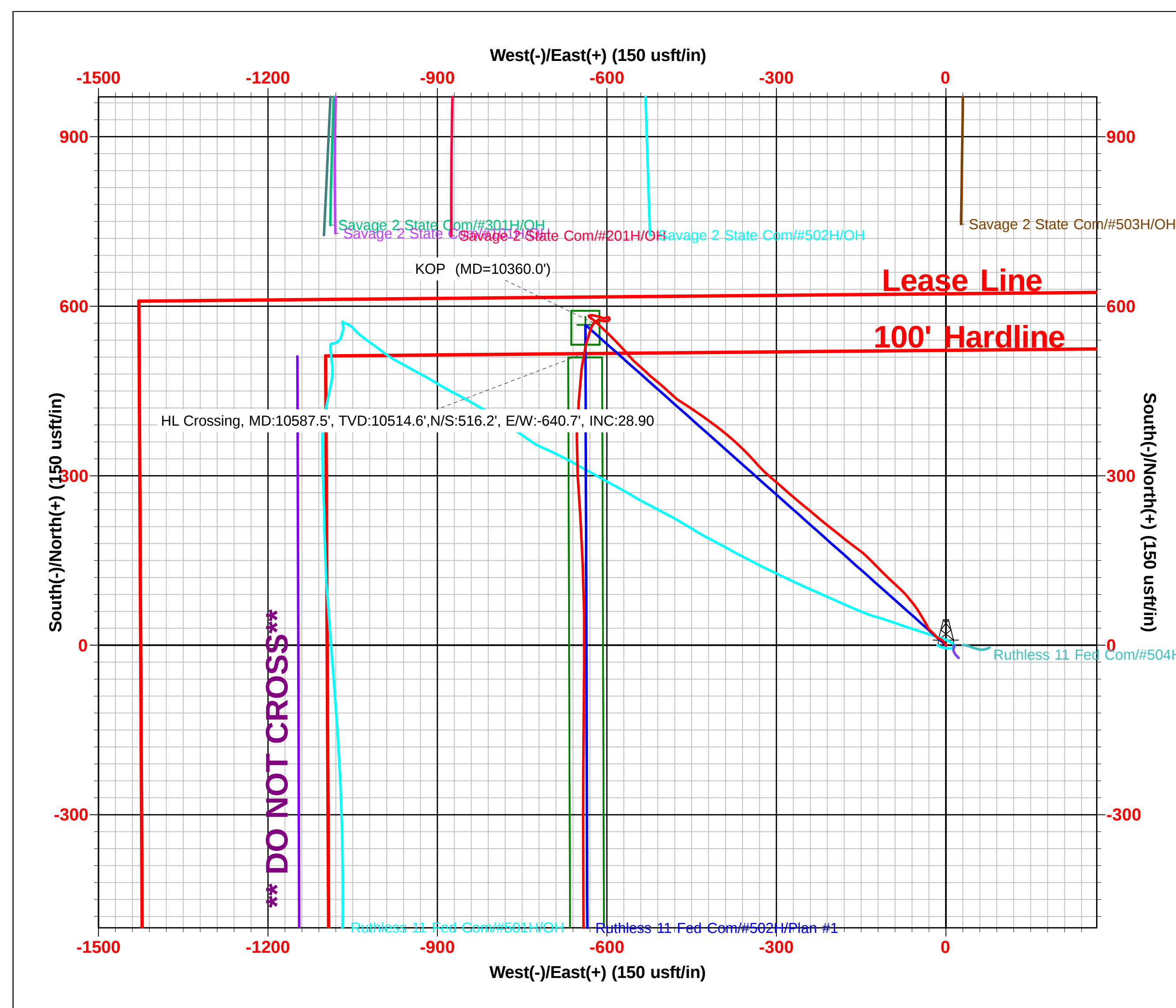
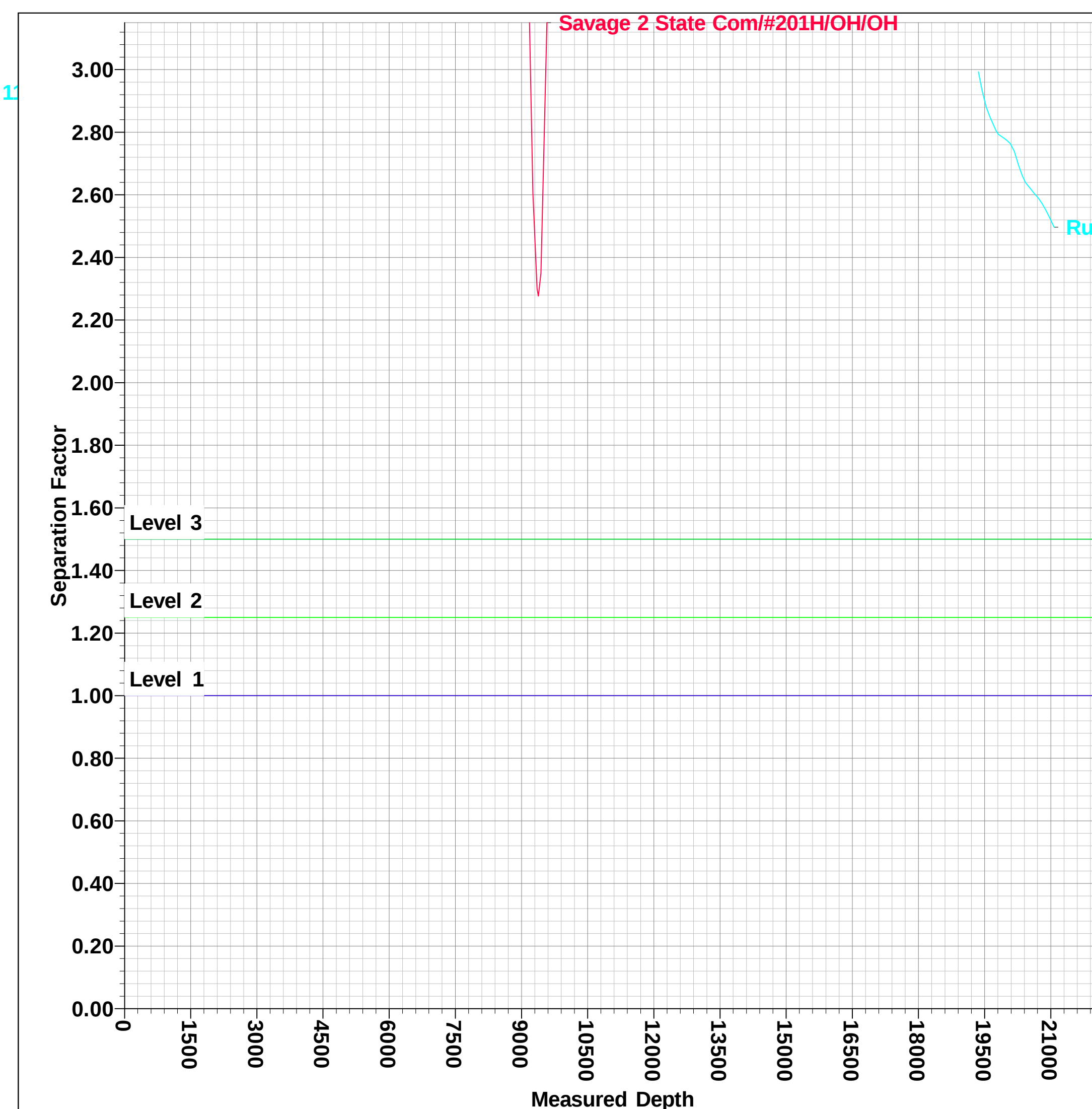
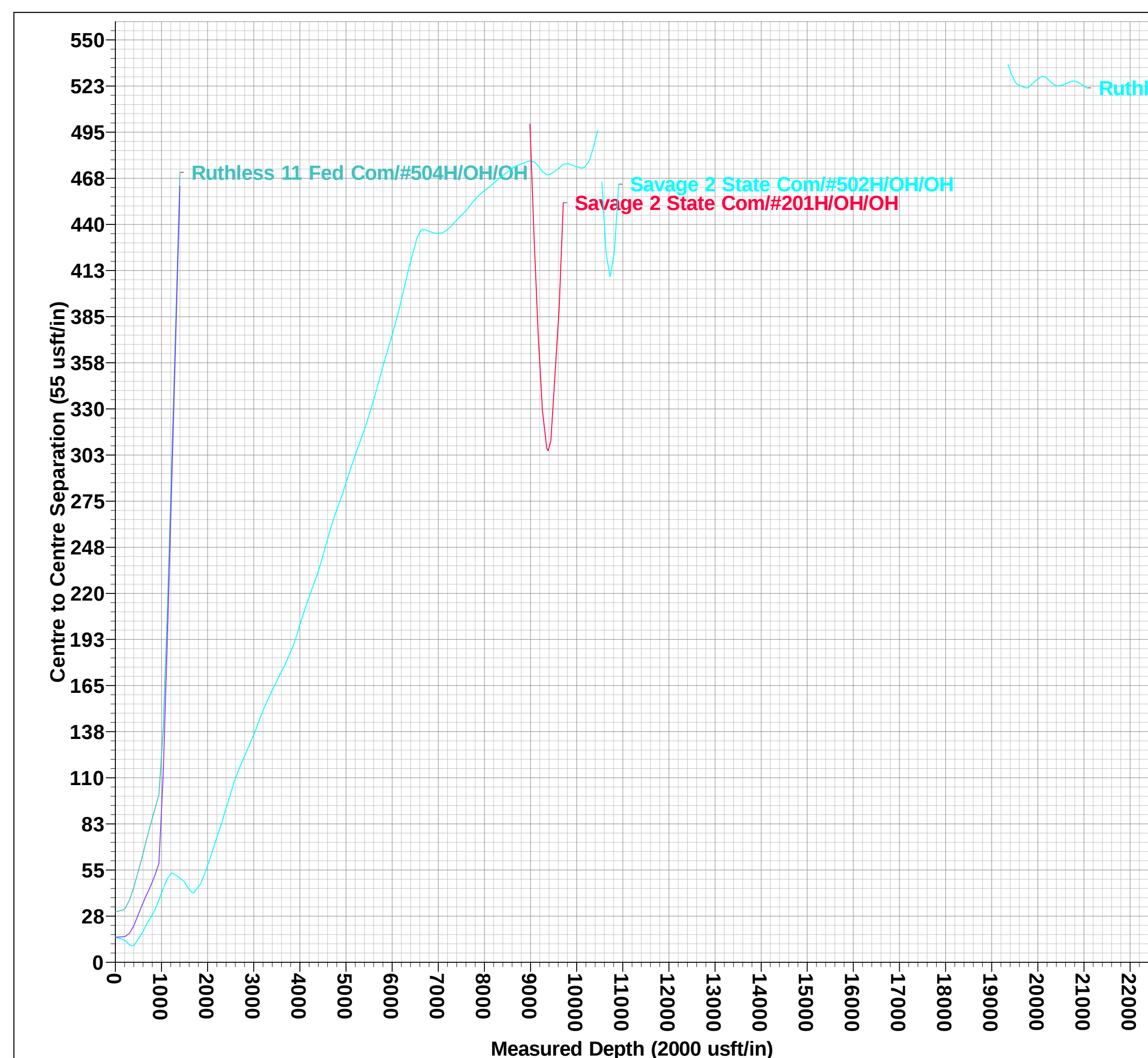
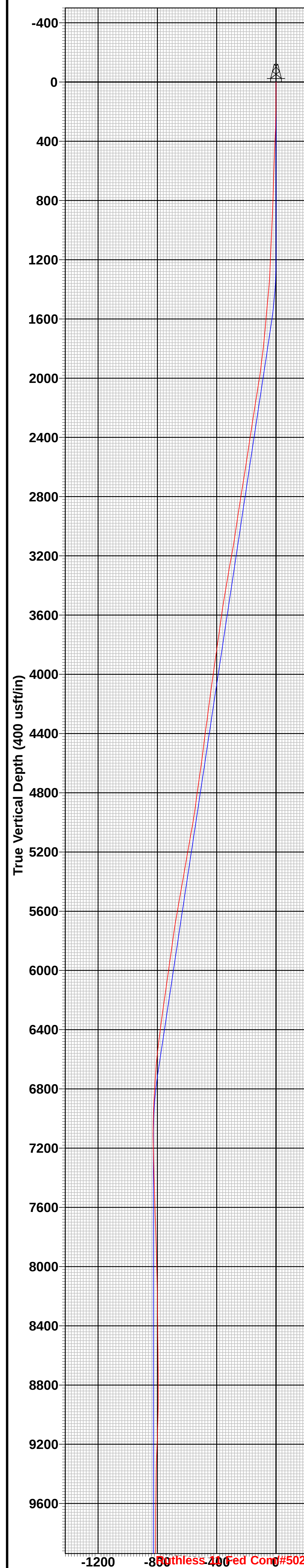
3498.0
kb @ 3523.0usft
Northing 419188.00 Easting 752933.00 Latitude 32° 9' 2.086 N Longitude 103° 38' 58.662 W



Azimuths to Grid North
True North: -0.36°
Magnetic North: 6.36°

Magnetic Field
Strength: 47637.1nT
Dip Angle: 59.95°
Date: 11/18/2019
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.36°
To convert a Magnetic Direction to a True Direction, Add 6.72° East
To convert a True Direction to a Grid Direction, Subtract 0.36°





Midland

**Lea County, NM (NAD 83 NME)
Ruthless 11 Fed Com
#502H
OH**

Design: OH

Final PVA

17 June, 2021



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #502H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb @ 3523.0usft
Site:	Ruthless 11 Fed Com	MD Reference:	kb @ 3523.0usft
Well:	#502H	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	Ruthless 11 Fed Com		
Site Position:		Northing:	419,142.00 usft
From:	Map	Easting:	752,042.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 9' 1.687 N
		Longitude:	103° 39' 9.029 W
		Grid Convergence:	0.36 °

Well		#502H				
Well Position	+N-S	0.0 usft	Northing:	419,188.00 usft	Latitude:	32° 9' 2.086 N
	+E-W	0.0 usft	Easting:	752,933.00 usft	Longitude:	103° 38' 58.662 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,498.0usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/18/2019	6.72	59.95	47,637.09423779

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	183.53

Survey Program	Date 6/17/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
175.0	21,075.0	SDI MWD #1 (OH)	EOG MWD+IFR1	MWD + IFR1

Company:	Midland	Local Co-ordinate Reference:	Well #502H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb @ 3523.0usft
Site:	Ruthless 11 Fed Com	MD Reference:	kb @ 3523.0usft
Well:	#502H	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
175.0	0.48	326.09	175.0	0.6	-0.4	0.27	0.27	0.00	-0.7	0.0
221.0	1.08	321.49	221.0	1.1	-0.8	1.31	1.30	-10.00	-1.4	-0.1
312.0	2.21	326.10	312.0	3.2	-2.3	1.25	1.24	5.07	-4.0	0.1
402.0	2.54	323.12	401.9	6.3	-4.5	0.39	0.37	-3.31	-7.7	-0.2
584.0	2.00	296.06	583.7	10.9	-9.7	0.65	-0.30	-14.87	-13.5	-5.5
674.0	1.84	293.96	673.7	12.2	-12.5	0.19	-0.18	-2.33	-16.3	-6.1
764.0	1.63	299.09	763.6	13.4	-14.9	0.29	-0.23	5.70	-19.5	-4.4
855.0	2.31	317.67	854.6	15.4	-17.3	1.02	0.75	20.42	-23.0	2.4
945.0	2.83	320.02	944.5	18.4	-19.9	0.59	0.58	2.61	-26.9	3.4
1,037.0	2.80	314.98	1,036.4	21.7	-23.0	0.27	-0.03	-5.48	-31.6	0.9
1,128.0	2.53	310.97	1,127.3	24.6	-26.1	0.36	-0.30	-4.41	-35.8	-1.5
1,220.0	2.45	314.46	1,219.2	27.3	-29.0	0.19	-0.09	3.79	-39.8	0.8
1,311.0	3.81	331.65	1,310.1	31.4	-31.8	1.80	1.49	18.89	-40.7	12.4
1,401.0	6.13	333.37	1,399.7	38.3	-35.4	2.58	2.58	1.91	-43.5	11.8
1,491.0	6.38	327.92	1,489.2	46.8	-40.2	0.72	0.28	-6.06	-46.7	5.0
1,582.0	5.88	328.30	1,579.7	55.1	-45.3	0.55	-0.55	0.42	-46.1	2.2
1,673.0	5.74	327.84	1,670.2	62.9	-50.2	0.16	-0.15	-0.51	-42.3	-2.0
1,854.0	7.61	319.84	1,850.0	79.7	-62.8	1.15	1.03	-4.42	-34.9	-13.1
1,944.0	7.63	319.83	1,939.2	88.8	-70.5	0.02	0.02	-0.01	-33.1	-15.1
2,034.0	9.45	313.33	2,028.2	98.5	-79.7	2.29	2.02	-7.22	-30.7	-19.8
2,125.0	9.31	312.72	2,118.0	108.6	-90.5	0.19	-0.15	-0.67	-31.3	-20.4
2,215.0	9.26	313.56	2,206.8	118.5	-101.1	0.16	-0.06	0.93	-32.3	-20.3
2,306.0	9.26	315.29	2,296.6	128.8	-111.6	0.31	0.00	1.90	-33.6	-20.0
2,487.0	9.00	315.34	2,475.3	149.2	-131.8	0.14	-0.14	0.03	-34.5	-21.8
2,577.0	8.96	312.78	2,564.2	158.9	-141.9	0.45	-0.04	-2.84	-33.7	-23.9
2,668.0	9.48	305.95	2,654.0	168.2	-153.1	1.33	0.57	-7.51	-31.2	-27.1



Final PVA

Company: Midland
Project: Lea County, NM (NAD 83 NME)
Site: Ruthless 11 Fed Com
Well: #502H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #502H
TVD Reference: kb @ 3523.0usft
MD Reference: kb @ 3523.0usft
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)	
2,758.0	9.30	306.89	2,742.8	176.9	-165.0	0.26	-0.20	1.04	-32.5	-25.4	
2,848.0	9.02	308.55	2,831.7	185.6	-176.3	0.43	-0.31	1.84	-33.7	-23.5	
2,939.0	8.68	308.86	2,921.6	194.4	-187.2	0.38	-0.37	0.34	-33.9	-22.6	
3,029.0	8.52	308.49	3,010.6	202.8	-197.7	0.19	-0.18	-0.41	-33.3	-22.1	
3,120.0	9.06	308.97	3,100.5	211.5	-208.6	0.60	0.59	0.53	-33.4	-21.1	
3,210.0	10.76	309.29	3,189.2	221.3	-220.6	1.89	1.89	0.36	-35.2	-20.3	
3,301.0	10.35	309.60	3,278.6	231.9	-233.5	0.45	-0.45	0.34	-38.0	-19.6	
3,391.0	10.03	310.14	3,367.2	242.1	-245.7	0.37	-0.36	0.60	-40.3	-18.8	
3,482.0	9.63	309.70	3,456.9	252.0	-257.6	0.45	-0.44	-0.48	-41.7	-18.7	
3,573.0	9.17	309.66	3,546.6	261.5	-269.0	0.51	-0.51	-0.04	-42.5	-18.2	
3,663.0	7.98	311.33	3,635.6	270.2	-279.2	1.35	-1.32	1.86	-42.6	-16.7	
3,754.0	7.91	312.13	3,725.8	278.6	-288.6	0.14	-0.08	0.88	-41.4	-16.2	
3,844.0	8.85	310.44	3,814.8	287.3	-298.5	1.08	1.04	-1.88	-40.1	-17.3	
3,935.0	7.96	310.68	3,904.8	295.9	-308.6	0.98	-0.98	0.26	-39.5	-16.8	
4,025.0	8.11	312.10	3,993.9	304.2	-318.0	0.28	0.17	1.58	-38.6	-15.8	
4,116.0	8.94	316.10	4,083.9	313.6	-327.7	1.12	0.91	4.40	-39.1	-13.8	
4,206.0	7.68	318.82	4,173.0	323.2	-336.5	1.47	-1.40	3.02	-38.9	-13.3	
4,297.0	7.64	317.61	4,263.2	332.2	-344.6	0.18	-0.04	-1.33	-36.8	-15.7	
4,387.0	8.64	314.51	4,352.3	341.4	-353.4	1.21	1.11	-3.44	-34.8	-18.7	
4,478.0	7.07	313.95	4,442.4	350.1	-362.3	1.73	-1.73	-0.62	-33.0	-19.7	
4,659.0	8.18	311.57	4,621.8	366.3	-380.0	0.64	0.61	-1.31	-28.3	-21.4	
4,729.0	8.76	309.86	4,691.0	373.1	-387.8	0.90	0.83	-2.44	-27.2	-22.1	
4,913.0	7.38	306.09	4,873.2	389.0	-408.1	0.80	-0.75	-2.05	-23.2	-22.0	
5,093.0	10.35	305.41	5,051.1	405.2	-430.6	1.65	1.65	-0.38	-23.2	-19.4	
5,274.0	10.03	303.68	5,229.2	423.4	-457.0	0.24	-0.18	-0.96	-27.0	-16.7	
5,365.0	9.76	301.64	5,318.8	431.8	-470.2	0.49	-0.30	-2.24	-28.3	-15.5	
5,455.0	10.13	313.13	5,407.5	441.2	-482.5	2.24	0.41	12.77	-32.3	-8.5	

Company:	Midland	Local Co-ordinate Reference:	Well #502H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb @ 3523.0usft
Site:	Ruthless 11 Fed Com	MD Reference:	kb @ 3523.0usft
Well:	#502H	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)	
5,545.0	10.30	311.62	5,496.1	452.0	-494.2	0.35	0.19	-1.68	-34.2	-9.5	
5,636.0	10.20	310.44	5,585.6	462.6	-506.5	0.26	-0.11	-1.30	-36.2	-10.1	
5,726.0	9.62	309.77	5,674.3	472.6	-518.3	0.66	-0.64	-0.74	-37.8	-10.1	
5,816.0	8.39	313.81	5,763.2	481.9	-528.8	1.54	-1.37	4.49	-38.6	-7.5	
5,997.0	8.30	310.67	5,942.3	499.6	-548.3	0.26	-0.05	-1.73	-36.5	-9.8	
6,088.0	8.61	319.45	6,032.3	509.0	-557.7	1.46	0.34	9.65	-37.0	-5.1	
6,179.0	8.43	317.82	6,122.3	519.2	-566.6	0.33	-0.20	-1.79	-36.4	-7.9	
6,269.0	8.61	317.04	6,211.3	529.0	-575.6	0.24	0.20	-0.87	-35.8	-9.7	
6,359.0	8.27	315.49	6,300.3	538.5	-584.7	0.45	-0.38	-1.72	-34.9	-11.8	
6,450.0	7.79	313.59	6,390.4	547.4	-593.8	0.60	-0.53	-2.09	-33.2	-13.6	
6,540.0	7.28	313.67	6,479.6	555.6	-602.3	0.57	-0.57	0.09	-31.1	-14.1	
6,631.0	6.56	313.43	6,570.0	563.1	-610.3	0.79	-0.79	-0.26	-28.0	-14.7	
6,721.0	4.33	319.02	6,659.5	569.2	-616.2	2.54	-2.48	6.21	-24.0	-13.2	
6,811.0	3.58	305.39	6,749.3	573.4	-620.8	1.33	-0.83	-15.14	-13.5	-17.8	
6,902.0	3.36	306.12	6,840.2	576.7	-625.2	0.25	-0.24	0.80	-9.0	-16.6	
6,992.0	2.18	306.43	6,930.1	579.2	-628.7	1.31	-1.31	0.34	-6.1	-15.9	
7,083.0	2.30	305.62	7,021.0	581.3	-631.6	0.14	0.13	-0.89	-4.8	-15.5	
7,173.0	1.65	65.67	7,111.0	582.9	-631.9	3.82	-0.72	133.39	-12.1	12.0	
7,264.0	1.56	72.33	7,201.9	583.8	-629.5	0.23	-0.10	7.32	-13.2	13.5	
7,354.0	1.92	89.31	7,291.9	584.2	-626.8	0.69	0.40	18.87	-11.4	17.1	
7,444.0	1.73	104.07	7,381.8	583.9	-624.0	0.56	-0.21	16.40	-9.5	19.8	
7,535.0	1.67	101.65	7,472.8	583.3	-621.4	0.10	-0.07	-2.66	-13.0	19.3	
7,626.0	1.82	106.91	7,563.8	582.6	-618.7	0.24	0.16	5.78	-13.9	20.5	
7,717.0	2.11	102.30	7,654.7	581.8	-615.7	0.36	0.32	-5.07	-18.6	19.2	
7,807.0	1.83	108.39	7,744.7	581.0	-612.7	0.39	-0.31	6.77	-19.6	21.3	
7,898.0	1.83	112.08	7,835.6	580.0	-610.0	0.13	0.00	4.05	-21.1	22.6	
7,988.0	1.61	115.28	7,925.6	578.9	-607.5	0.27	-0.24	3.56	-22.5	23.8	

Company:	Midland	Local Co-ordinate Reference:	Well #502H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb @ 3523.0usft
Site:	Ruthless 11 Fed Com	MD Reference:	kb @ 3523.0usft
Well:	#502H	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)
8,078.0	1.28	92.06	8,015.5	578.4	-605.4	0.74	-0.37	-25.80	-32.2	12.5
8,169.0	1.78	58.18	8,106.5	579.1	-603.1	1.11	0.55	-37.23	-36.0	-8.1
8,259.0	1.43	65.53	8,196.5	580.3	-600.9	0.45	-0.39	8.17	-39.2	-3.3
8,350.0	0.93	84.25	8,287.5	580.8	-599.2	0.69	-0.55	20.57	-40.0	9.9
8,441.0	0.68	111.33	8,378.4	580.7	-597.9	0.49	-0.27	29.76	-32.3	27.3
8,532.0	0.75	119.92	8,469.4	580.2	-596.9	0.14	0.08	9.44	-29.0	31.9
8,623.0	0.64	142.82	8,560.4	579.5	-596.1	0.33	-0.12	25.16	-15.4	41.0
8,714.0	0.87	175.92	8,651.4	578.4	-595.7	0.53	0.25	36.37	8.4	43.0
8,805.0	1.25	176.60	8,742.4	576.7	-595.6	0.42	0.42	0.75	7.2	42.9
8,986.0	1.03	248.31	8,923.4	574.2	-597.0	0.74	-0.12	39.62	40.7	8.5
9,077.0	1.68	259.68	9,014.4	573.6	-599.1	0.77	0.71	12.49	39.5	0.5
9,168.0	2.37	273.51	9,105.3	573.5	-602.3	0.92	0.76	15.20	35.3	-8.7
9,259.0	2.34	280.78	9,196.2	573.9	-606.0	0.33	-0.03	7.99	30.2	-12.8
9,350.0	1.87	278.95	9,287.2	574.5	-609.3	0.52	-0.52	-2.01	27.2	-11.9
9,440.0	1.28	281.85	9,377.1	575.0	-611.7	0.66	-0.66	3.22	24.1	-13.2
9,621.0	0.39	319.65	9,558.1	575.8	-614.1	0.55	-0.49	20.88	8.7	-24.0
9,712.0	0.39	282.64	9,649.1	576.2	-614.6	0.27	0.00	-40.67	20.8	-14.1
9,802.0	0.84	235.26	9,739.1	575.8	-615.4	0.71	0.50	-52.64	23.6	5.6
9,893.0	1.16	215.71	9,830.1	574.7	-616.5	0.51	0.35	-21.48	18.8	12.9
9,983.0	0.98	221.85	9,920.1	573.4	-617.6	0.24	-0.20	6.82	18.4	11.0
10,074.0	0.92	217.42	10,011.1	572.2	-618.5	0.10	-0.07	-4.87	16.0	12.3
10,164.0	0.94	212.28	10,101.0	571.0	-619.4	0.10	0.02	-5.71	13.4	13.6
10,255.0	1.07	276.27	10,192.0	570.5	-620.6	1.18	0.14	70.32	16.9	-5.4
10,294.0	1.39	269.83	10,231.0	570.5	-621.4	0.89	0.82	-16.51	16.6	-3.5
10,360.0	1.68	249.63	10,297.0	570.2	-623.1	0.93	0.45	-30.60	15.0	2.2
KOP (MD=10360.0')										
10,366.0	1.72	248.18	10,303.0	570.1	-623.3	0.93	0.59	-24.23	14.8	2.5

Company: Midland
Project: Lea County, NM (NAD 83 NME)
Site: Ruthless 11 Fed Com
Well: #502H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #502H
TVD Reference: kb @ 3523.0usft
MD Reference: kb @ 3523.0usft
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)
10,457.0	11.76	202.01	10,393.3	561.0	-628.1	11.69	11.03	-50.74	6.3	8.2
10,548.0	25.09	195.26	10,479.4	533.7	-636.7	14.81	14.65	-7.42	-1.7	1.7
10,587.5	28.90	191.02	10,514.6	516.2	-640.7	10.79	9.64	-10.72	-6.1	-1.8
HL Crossing, MD:10587.5', TVD:10514.6', N/S:516.2', E/W:-640.7', INC:28.90										
10,639.0	34.01	186.84	10,558.5	489.7	-644.8	10.79	9.93	-8.12	-11.3	-5.9
10,729.0	41.55	183.48	10,629.6	434.8	-649.6	8.68	8.38	-3.73	-18.9	-11.1
10,819.0	46.97	183.07	10,694.1	372.1	-653.2	6.03	6.02	-0.46	-22.3	-14.9
10,910.0	55.93	174.94	10,750.8	301.2	-651.6	12.06	9.85	-8.93	-21.0	-15.4
11,001.0	62.10	177.79	10,797.6	223.3	-646.8	7.29	6.78	3.13	-18.5	-10.1
11,091.0	70.67	176.79	10,833.6	141.0	-642.8	9.58	9.52	-1.11	-12.6	-6.3
11,181.0	77.88	179.53	10,858.0	54.5	-640.1	8.53	8.01	3.04	-4.7	-3.7
11,272.0	88.83	180.46	10,868.5	-35.7	-640.1	12.08	12.03	1.02	2.8	-3.9
11,362.0	90.00	180.70	10,869.4	-125.7	-641.0	1.33	1.30	0.27	4.5	-5.1
11,453.0	91.07	180.23	10,868.6	-216.7	-641.7	1.28	1.18	-0.52	4.4	-6.1
11,543.0	91.41	180.04	10,866.7	-306.7	-642.0	0.43	0.38	-0.21	3.1	-6.6
11,634.0	92.35	179.76	10,863.7	-397.6	-641.8	1.08	1.03	-0.31	0.9	-6.8
11,724.0	90.17	179.83	10,861.7	-487.6	-641.5	2.42	-2.42	0.08	-0.3	-6.7
11,814.0	90.07	179.69	10,861.5	-577.6	-641.1	0.19	-0.11	-0.16	0.2	-6.6
11,905.0	91.28	179.28	10,860.4	-668.6	-640.3	1.40	1.33	-0.45	-0.1	-6.1
11,995.0	91.51	178.96	10,858.2	-758.6	-638.9	0.44	0.26	-0.36	-1.6	-5.0
12,086.0	92.18	178.53	10,855.3	-849.5	-636.9	0.87	0.74	-0.47	-3.7	-3.3
12,176.0	91.17	179.12	10,852.7	-939.4	-635.1	1.30	-1.12	0.66	-5.6	-1.7
12,267.0	90.40	180.52	10,851.4	-1,030.4	-634.8	1.76	-0.85	1.54	-6.1	-1.7
12,358.0	88.56	178.64	10,852.3	-1,121.4	-634.1	2.89	-2.02	-2.07	-4.6	-1.3
12,448.0	87.21	178.18	10,855.6	-1,211.3	-631.6	1.58	-1.50	-0.51	-0.5	0.9
12,539.0	89.26	178.39	10,858.4	-1,302.2	-628.9	2.26	2.25	0.23	3.0	3.4
12,629.0	90.40	178.99	10,858.6	-1,392.2	-626.8	1.43	1.27	0.67	4.1	5.1

Company:	Midland	Local Co-ordinate Reference:	Well #502H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb @ 3523.0usft
Site:	Ruthless 11 Fed Com	MD Reference:	kb @ 3523.0usft
Well:	#502H	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)
12,720.0	91.17	179.46	10,857.4	-1,483.2	-625.6	0.99	0.85	0.52	3.6	6.1
12,810.0	92.18	179.17	10,854.8	-1,573.1	-624.5	1.17	1.12	-0.32	1.7	6.9
12,901.0	93.56	178.92	10,850.2	-1,664.0	-623.0	1.54	1.52	-0.27	-2.0	8.1
12,991.0	92.38	178.87	10,845.5	-1,753.9	-621.3	1.31	-1.31	-0.06	-5.9	9.6
13,082.0	91.88	181.46	10,842.2	-1,844.8	-621.5	2.90	-0.55	2.85	-8.5	9.0
13,173.0	89.60	181.74	10,841.0	-1,935.7	-624.1	2.52	-2.51	0.31	-8.9	6.2
13,263.0	88.72	180.52	10,842.3	-2,025.7	-625.9	1.67	-0.98	-1.36	-6.8	4.2
13,353.0	88.62	179.73	10,844.4	-2,115.7	-626.0	0.88	-0.11	-0.88	-4.0	3.7
13,444.0	89.70	179.30	10,845.7	-2,206.7	-625.3	1.28	1.19	-0.47	-1.8	4.2
13,534.0	90.94	179.25	10,845.2	-2,296.7	-624.1	1.38	1.38	-0.06	-1.6	5.0
13,625.0	90.91	178.95	10,843.8	-2,387.6	-622.7	0.33	-0.03	-0.33	-2.2	6.2
13,715.0	90.50	179.20	10,842.7	-2,477.6	-621.3	0.53	-0.46	0.28	-2.6	7.4
13,805.0	89.50	178.63	10,842.7	-2,567.6	-619.6	1.28	-1.11	-0.63	-1.8	8.8
13,896.0	90.50	178.19	10,842.7	-2,658.6	-617.0	1.20	1.10	-0.48	-1.0	11.0
13,986.0	91.44	177.21	10,841.1	-2,748.5	-613.4	1.51	1.04	-1.09	-1.7	14.4
14,077.0	90.10	179.57	10,839.9	-2,839.4	-610.9	2.98	-1.47	2.59	-2.2	16.7
14,167.0	91.34	180.18	10,838.8	-2,929.4	-610.7	1.54	1.38	0.68	-2.6	16.6
14,258.0	90.70	180.65	10,837.2	-3,020.4	-611.3	0.87	-0.70	0.52	-3.4	15.6
14,348.0	88.12	179.95	10,838.1	-3,110.4	-611.8	2.97	-2.87	-0.78	-1.7	14.9
14,438.0	89.20	179.50	10,840.2	-3,200.3	-611.4	1.30	1.20	-0.50	1.2	15.0
14,529.0	87.45	177.76	10,842.8	-3,291.3	-609.2	2.71	-1.92	-1.91	4.6	16.9
14,620.0	88.79	178.81	10,845.8	-3,382.2	-606.5	1.87	1.47	1.15	8.4	19.4
14,710.0	90.03	178.89	10,846.8	-3,472.2	-604.7	1.38	1.38	0.09	10.1	20.9
14,801.0	90.23	178.20	10,846.6	-3,563.1	-602.4	0.79	0.22	-0.76	10.7	22.9
14,891.0	91.38	181.02	10,845.3	-3,653.1	-601.7	3.38	1.28	3.13	10.2	23.3
14,982.0	92.95	180.54	10,841.8	-3,744.0	-603.0	1.80	1.73	-0.53	7.6	21.8
15,072.0	89.77	180.42	10,839.7	-3,834.0	-603.7	3.54	-3.53	-0.13	6.2	20.7

Company:	Midland	Local Co-ordinate Reference:	Well #502H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb @ 3523.0usft
Site:	Ruthless 11 Fed Com	MD Reference:	kb @ 3523.0usft
Well:	#502H	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)
15,163.0	91.18	181.21	10,839.0	-3,925.0	-605.0	1.78	1.55	0.87	6.2	19.2
15,254.0	90.00	180.13	10,838.0	-4,016.0	-606.1	1.76	-1.30	-1.19	6.1	17.8
15,345.0	89.56	179.35	10,838.4	-4,107.0	-605.7	0.98	-0.48	-0.86	7.2	17.9
15,436.0	89.97	179.71	10,838.7	-4,198.0	-604.9	0.60	0.45	0.40	8.4	18.4
15,527.0	91.04	180.12	10,837.9	-4,289.0	-604.8	1.26	1.18	0.45	8.4	18.3
15,617.0	92.55	180.55	10,835.1	-4,378.9	-605.3	1.74	1.68	0.48	6.3	17.5
15,708.0	92.48	179.78	10,831.1	-4,469.8	-605.6	0.85	-0.08	-0.85	3.1	16.9
15,799.0	93.56	179.45	10,826.3	-4,560.7	-605.0	1.24	1.19	-0.36	-1.0	17.3
15,889.0	93.45	180.86	10,820.8	-4,650.5	-605.2	1.57	-0.12	1.57	-6.0	16.7
15,979.0	91.28	181.83	10,817.1	-4,740.4	-607.3	2.64	-2.41	1.08	-9.1	14.3
16,070.0	92.81	182.52	10,813.9	-4,831.3	-610.8	1.84	1.68	0.76	-11.7	10.6
16,160.0	89.70	180.96	10,811.9	-4,921.2	-613.5	3.87	-3.46	-1.73	-13.1	7.6
16,251.0	91.17	180.66	10,811.2	-5,012.2	-614.8	1.65	1.62	-0.33	-13.2	6.0
16,341.0	89.80	179.90	10,810.4	-5,102.2	-615.2	1.74	-1.52	-0.84	-13.3	5.3
16,432.0	91.18	180.00	10,809.7	-5,193.2	-615.2	1.52	1.52	0.11	-13.5	5.1
16,522.0	93.02	180.72	10,806.4	-5,283.1	-615.7	2.20	2.04	0.80	-16.2	4.3
16,613.0	93.56	180.37	10,801.2	-5,374.0	-616.6	0.71	0.59	-0.38	-20.8	3.1
16,703.0	88.89	180.11	10,799.2	-5,463.9	-617.0	5.20	-5.19	-0.29	-22.2	2.5
16,794.0	88.63	179.51	10,801.2	-5,554.9	-616.7	0.72	-0.29	-0.66	-19.6	2.5
16,884.0	88.99	178.39	10,803.1	-5,644.8	-615.0	1.31	0.40	-1.24	-17.1	3.9
16,975.0	89.36	177.85	10,804.4	-5,735.8	-612.0	0.72	0.41	-0.59	-15.2	6.6
17,064.0	90.84	177.50	10,804.2	-5,824.7	-608.4	1.71	1.66	-0.39	-14.8	9.9
17,155.0	92.52	179.33	10,801.6	-5,915.6	-605.9	2.73	1.85	2.01	-16.8	12.2
17,245.0	92.08	180.51	10,797.9	-6,005.6	-605.8	1.40	-0.49	1.31	-19.8	12.0
17,336.0	89.93	179.93	10,796.3	-6,096.5	-606.1	2.45	-2.36	-0.64	-20.8	11.4
17,428.0	88.15	178.87	10,797.9	-6,188.5	-605.2	2.25	-1.93	-1.15	-18.7	12.1
17,518.0	88.86	180.58	10,800.2	-6,278.5	-604.7	2.06	0.79	1.90	-15.7	12.2

Company: Midland
Project: Lea County, NM (NAD 83 NME)
Site: Ruthless 11 Fed Com
Well: #502H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #502H
TVD Reference: kb @ 3523.0usft
MD Reference: kb @ 3523.0usft
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)
17,630.0	91.44	181.75	10,799.9	-6,390.4	-607.0	2.53	2.30	1.04	-15.3	9.6
17,721.0	91.91	181.59	10,797.3	-6,481.4	-609.7	0.55	0.52	-0.18	-17.3	6.7
17,811.0	92.49	181.28	10,793.8	-6,571.3	-611.9	0.73	0.64	-0.34	-20.2	4.1
17,902.0	92.99	181.21	10,789.5	-6,662.1	-613.9	0.55	0.55	-0.08	-23.9	1.9
17,993.0	90.50	180.68	10,786.7	-6,753.1	-615.4	2.80	-2.74	-0.58	-26.1	0.1
18,083.0	90.00	179.69	10,786.3	-6,843.1	-615.7	1.23	-0.56	-1.10	-25.9	-0.5
18,173.0	89.93	178.55	10,786.4	-6,933.1	-614.3	1.27	-0.08	-1.27	-25.2	0.6
18,264.0	90.27	178.16	10,786.2	-7,024.0	-611.7	0.57	0.37	-0.43	-24.8	3.0
18,354.0	90.34	177.76	10,785.7	-7,114.0	-608.5	0.45	0.08	-0.44	-24.7	5.9
18,445.0	90.74	178.06	10,784.9	-7,204.9	-605.2	0.55	0.44	0.33	-24.9	8.9
18,536.0	91.11	181.51	10,783.4	-7,295.9	-604.8	3.81	0.41	3.79	-25.8	9.0
18,627.0	91.38	181.48	10,781.4	-7,386.8	-607.2	0.30	0.30	-0.03	-27.2	6.3
18,718.0	91.85	181.05	10,778.9	-7,477.8	-609.2	0.70	0.52	-0.47	-29.1	4.1
18,809.0	92.52	181.13	10,775.4	-7,568.7	-610.9	0.74	0.74	0.09	-31.7	2.0
18,900.0	93.02	180.87	10,771.0	-7,659.6	-612.5	0.62	0.55	-0.29	-35.2	0.2
18,991.0	89.13	180.80	10,769.3	-7,750.5	-613.8	4.28	-4.27	-0.08	-36.0	-1.4
19,082.0	90.27	180.93	10,769.8	-7,841.5	-615.2	1.26	1.25	0.14	-34.6	-3.1
19,173.0	90.71	180.85	10,769.0	-7,932.5	-616.6	0.49	0.48	-0.09	-34.5	-4.8
19,264.0	91.18	180.75	10,767.5	-8,023.5	-617.9	0.53	0.52	-0.11	-35.1	-6.3
19,355.0	91.61	181.03	10,765.3	-8,114.4	-619.3	0.56	0.47	0.31	-36.4	-8.0
19,445.0	92.11	180.77	10,762.3	-8,204.4	-620.7	0.63	0.56	-0.29	-38.4	-9.7
19,535.0	88.35	179.32	10,762.0	-8,294.4	-620.8	4.48	-4.18	-1.61	-37.9	-10.1
19,626.0	88.89	179.26	10,764.2	-8,385.3	-619.7	0.60	0.59	-0.07	-34.8	-9.2
19,717.0	89.66	179.28	10,765.3	-8,476.3	-618.5	0.85	0.85	0.02	-32.7	-8.3
19,808.0	89.93	179.38	10,765.7	-8,567.3	-617.4	0.32	0.30	0.11	-31.1	-7.5
19,899.0	89.83	178.63	10,765.8	-8,658.3	-615.9	0.83	-0.11	-0.82	-29.5	-6.2
19,989.0	90.67	178.68	10,765.5	-8,748.3	-613.7	0.93	0.93	0.06	-28.6	-4.4



Final PVA

Company: Midland
Project: Lea County, NM (NAD 83 NME)
Site: Ruthless 11 Fed Com
Well: #502H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #502H
TVD Reference: kb @ 3523.0usft
MD Reference: kb @ 3523.0usft
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)
20,080.0	91.27	178.66	10,763.9	-8,839.2	-611.6	0.66	0.66	-0.02	-28.8	-2.6
20,170.0	92.05	179.12	10,761.3	-8,929.2	-609.9	1.01	0.87	0.51	-30.1	-1.1
20,261.0	92.72	179.35	10,757.5	-9,020.1	-608.7	0.78	0.74	0.25	-32.5	-0.2
20,351.0	93.23	179.14	10,752.8	-9,109.9	-607.5	0.61	0.57	-0.23	-35.9	0.7
20,442.0	89.13	178.98	10,751.0	-9,200.9	-606.0	4.51	-4.51	-0.18	-36.4	2.0
20,532.0	89.13	178.49	10,752.3	-9,290.9	-604.0	0.54	0.00	-0.54	-33.7	3.7
20,623.0	89.53	178.27	10,753.4	-9,381.8	-601.4	0.50	0.44	-0.24	-31.3	6.0
20,714.0	89.83	178.45	10,753.9	-9,472.8	-598.8	0.38	0.33	0.20	-29.4	8.3
20,804.0	90.17	178.72	10,753.9	-9,562.8	-596.6	0.48	0.38	0.30	-28.1	10.2
20,893.0	90.60	178.58	10,753.3	-9,651.7	-594.5	0.51	0.48	-0.16	-27.4	12.0
21,009.0	91.01	178.37	10,751.7	-9,767.7	-591.4	0.40	0.35	-0.18	-27.3	14.8
Final MWD Survey (MD=21009.0')										
21,075.0	91.01	178.00	10,750.5	-9,833.6	-589.3	0.56	0.00	-0.56	-27.5	16.7
Final Projection to Bit (MD=21075.0')										

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,360.0	10,297.0	570.2	-623.1	KOP (MD=10360.0')
10,587.5	10,514.6	516.2	-640.7	HL Crossing, MD:10587.5', TVD:10514.6', N/S:516.2', E/W:-640.7', INC:
21,009.0	10,751.7	-9,767.7	-591.4	Final MWD Survey (MD=21009.0')
21,075.0	10,750.5	-9,833.6	-589.3	Final Projection to Bit (MD=21075.0')

Checked By: _____ Approved By: _____ Date: _____

I CERTIFY THIS SURVEY TO BE TRUE AND CORRECT TO THE BEST OF MY BELIEF AND KNOWLEDGE
KAY MADDOX 02/14/2022

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 RUTHLESS 11 FEDERAL COM		
								6. Well Number: 502H		
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 G08 S253235G; LOWER BONE SPRING			
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	C	11	25S	32E		622	NORTH	1425	WEST	LEA
BH:	M	14	25S	32E		110	SOUTH	806	WEST	LEA
13. Date Spudded 05/07/2021	14. Date T.D. Reached 06/13/2021		15. Date Rig Released 06/20/2021			16. Date Completed (Ready to Produce) 01/18/2022		17. Elevations (DF and RKB, RT, GR, etc.) 3489' GL		
18. Total Measured Depth of Well MD 21,075' TVD 10,750'			19. Plug Back Measured Depth MD 21,058' TVD 10,750'			20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run None		
22. Producing Interval(s), of this completion - Top, Bottom, Name BONE SPRING 10,970 - 21,058'										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13 3/8"		54.5# J-55		1007'		17 1/2"		1071 CL C/CIRC		
9 5/8"		40# HCL 80		4,780'		12 1/4"		1365 CL C & H/CIRC		
5 1/2"		20# ECP 110		21,066'		8 1/2"		3585 CL H TOC 4368' CB		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
26. Perforation record (interval, size, and number) 10,970 - 21,058' 3 1/8", 2265 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						10,970 - 21,058'		FRAC W/24,923,660 lbs proppant, 404,039 bbls load fld		
28. PRODUCTION										
Date First Production 01/18/2022		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 01/29/2022	Hours Tested 24	Choke Size 128	Prod'n For Test Period	Oil - Bbl 4885	Gas - MCF 8081	Water - Bbl. 6770	Gas - Oil Ratio 1654			
Flow Tubing Press.	Casing Pressure 829	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, 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 Printed Signature Kay Maddox Name Kay Maddox Title Senior Regulatory Specialist Date 02/22/2022 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 829'	T. Canyon Brushy 7161'	T. Ojo Alamo	T. Penn A"
T. Salt 1404'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 4541'	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 9743'	T. Entrada	
T. Wolfcamp	T. 2nd BS Sand 10,382'	T. Wingate	
T. Penn	T.	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

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 83427

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 83427
	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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District IV
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 83427

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 83427
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	7/24/2024