

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 MINDS 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 10/15/2022
⁴ API Number 30 - 015 -48258	⁵ Pool Name PURPLE SAGE; WOLFCAMP (GAS)	⁶ Pool Code 98220
⁷ Property Code 329970	⁸ Property Name DEEP ELEM 4 FEDERAL COM	⁹ Well Number 712H

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
N	4	26S	31E		1278	SOUTH	2123	WEST	EDDY

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
N	16	26S	31E		343	SOUTH	1468	WEST	EDDY
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 04/09/2022	²² Ready Date 10/15/2022	²³ TD 22,012	²⁴ PBDT 21,985	²⁵ Perforations 12,072 - 21,985	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
13 1/2"	10 3/4"	1385'	720 SXS CL C/CIRC		
9 7/8"	8 3/4"	10,087'	1890 SXS CL C/CIRC		
7 7/8"	6"	21,993'	1665 SXS CL H TOC 2310' CBL		

V. Well Test Data

³¹ Date New Oil 10/15/2022	³² Gas Delivery Date 10/15/2022	³³ Test Date 10/20/2022	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 2730
³⁷ Choke Size 88	³⁸ Oil 2916	³⁹ Water 11,018	⁴⁰ Gas 11,604	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: 11/01/2022 Phone: 432-638-8475

OIL CONSERVATION DIVISION
Approved by:
Title:
Approval Date:

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) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

As-Completed Plat
Revised August 1, 2011
Submit one copy to appropriate
District Office
 AMENDED REPORT

AS-COMPLETED PLAT

API Number 30-015- 48258	Pool Code 98220	Pool Name PURPLE SAGE; WOLFCAMP (GAS)
Property Code 329970	Property Name DEEP ELEM 4 FED COM	Well Number 712H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 3281'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	4	26 S	31 E		1278	SOUTH	2123	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	16	26 S	31 E		343	SOUTH	1468	WEST	EDDY
Dedicated Acres 1280.00	Joint or Infill	Consolidated Code	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.

SURFACE LOCATION
NEW MEXICO EAST
NAD 1983
X = 711208'
Y = 389005'
LAT. = N 32.068268°
LONG. = W 103.784939°
NAD 1927
X = 670022'
Y = 388947'
LAT. = N 32.068143°
LONG. = W 103.784463°

KICK OFF POINT
NEW MEXICO EAST
NAD 1983
X = 710638'
Y = 387899'
LAT. = N 32.065235°
LONG. = W 103.786797°
NAD 1927
X = 669452'
Y = 387841'
LAT. = N 32.065110°
LONG. = W 103.786321°
MD. = 11,204'

FIRST TAKE POINT
NEW MEXICO EAST
NAD 1983
X = 710593'
Y = 387343'
LAT. = N 32.063707°
LONG. = W 103.786952°
NAD 1927
X = 669407'
Y = 387285'
LAT. = N 32.063582°
LONG. = W 103.786476°
MD. = 12,072'

BOTTOM HOLE LOCATION
NEW MEXICO EAST
NAD 1983
X = 710603'
Y = 377409'
LAT. = N 32.036400°
LONG. = W 103.787083°
NAD 1927
X = 669416'
Y = 377351'
LAT. = N 32.036275°
LONG. = W 103.786608°
MD. = 22,012'

LAST TAKE POINT
NEW MEXICO EAST
NAD 1983
X = 710602'
Y = 377436'
LAT. = N 32.036474°
LONG. = W 103.787084°
NAD 1927
X = 669416'
Y = 377378'
LAT. = N 32.036349°
LONG. = W 103.786609°
MD. = 21,985'

POINT UTM ZONE 13 COORDINATES

SHL	X=2016687.8	Y=11642524.1
KOP	X=2016124.8	Y=11641414.5
FTP	X=2016083.0	Y=11640558.3
LTP	X=2016153.4	Y=11639953.3
BHL	X=2016154.0	Y=11639926.4

OPERATOR CERTIFICATION

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

Kay Maddox 10/11/2022
Signature Date

KAY MADDOX
Print Name

KAY_MADDOX@EOGRESOURCES.COM
E-mail Address

SURVEYORS 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 and correct to the best of my belief.

JANUARY 28, 2022
Date of Survey

Job No.: EOG.B190020
BRANDON A. MOSER, N.M.P.L.S.
Certificate Number 22502



Eddy County, NM (NAD 83 NME)

Deep Elem 4 Fed Com #712H

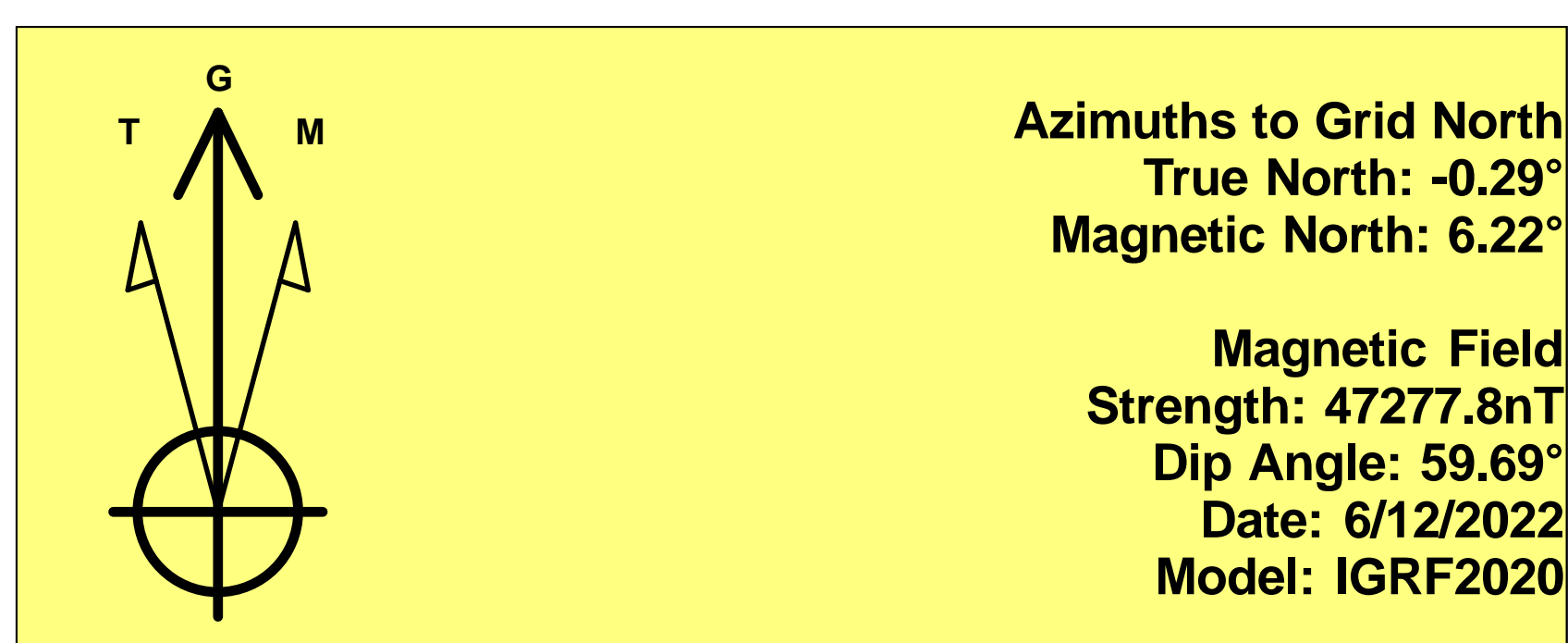
OH

PROJECT DETAILS: Eddy 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

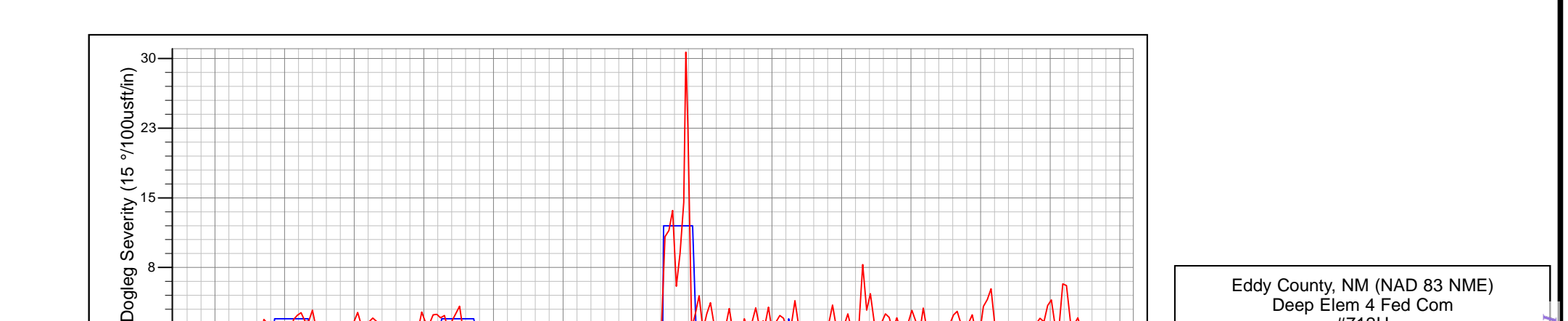
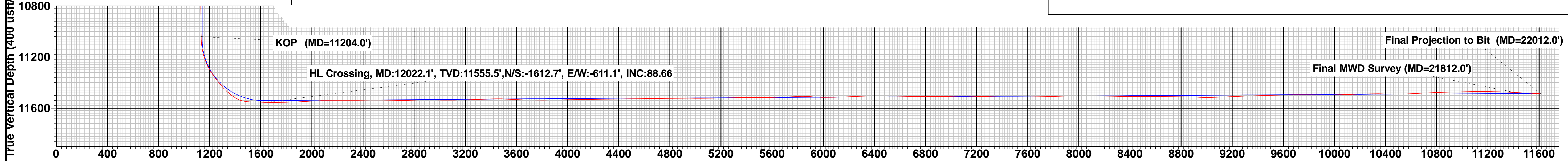
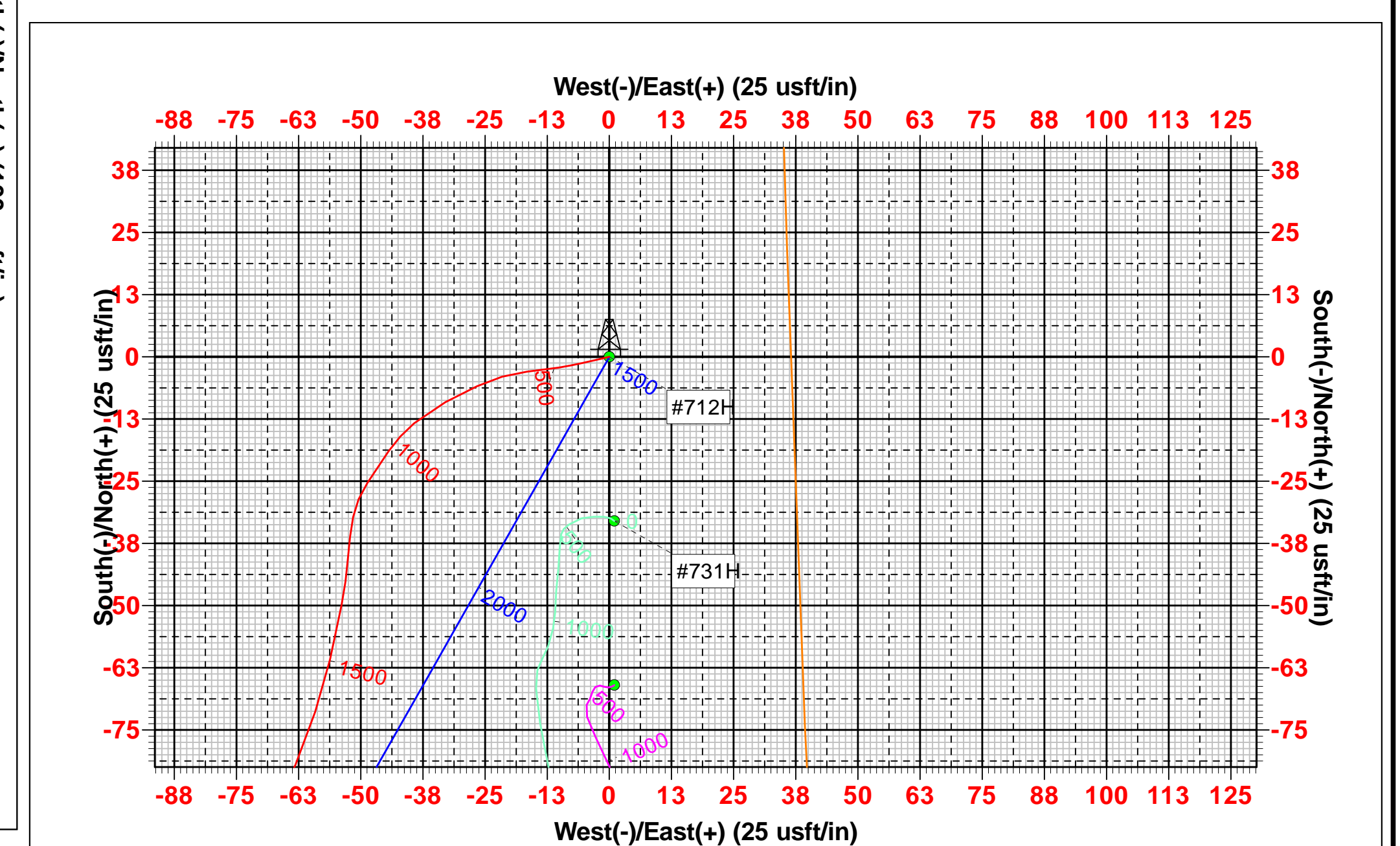
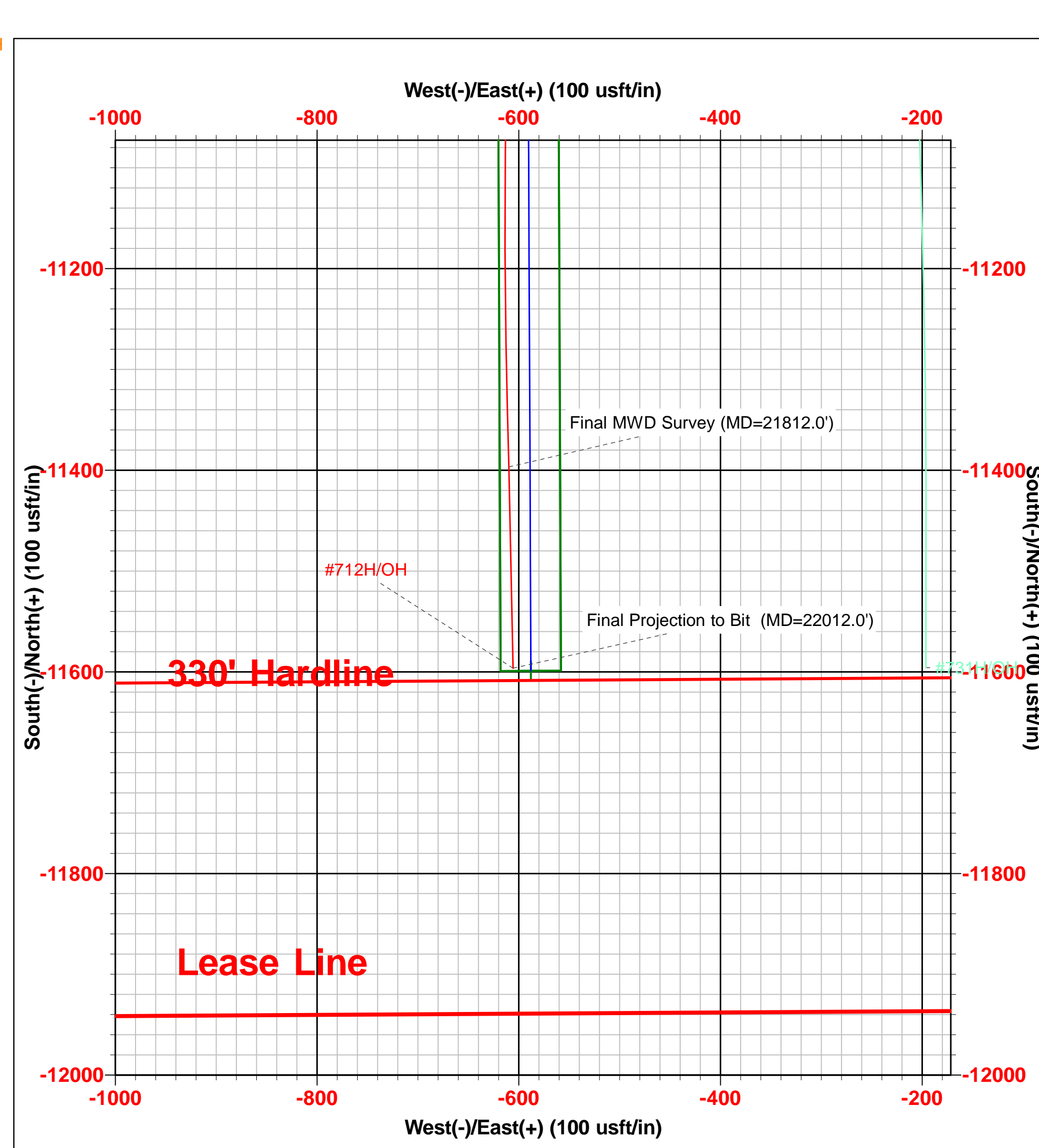
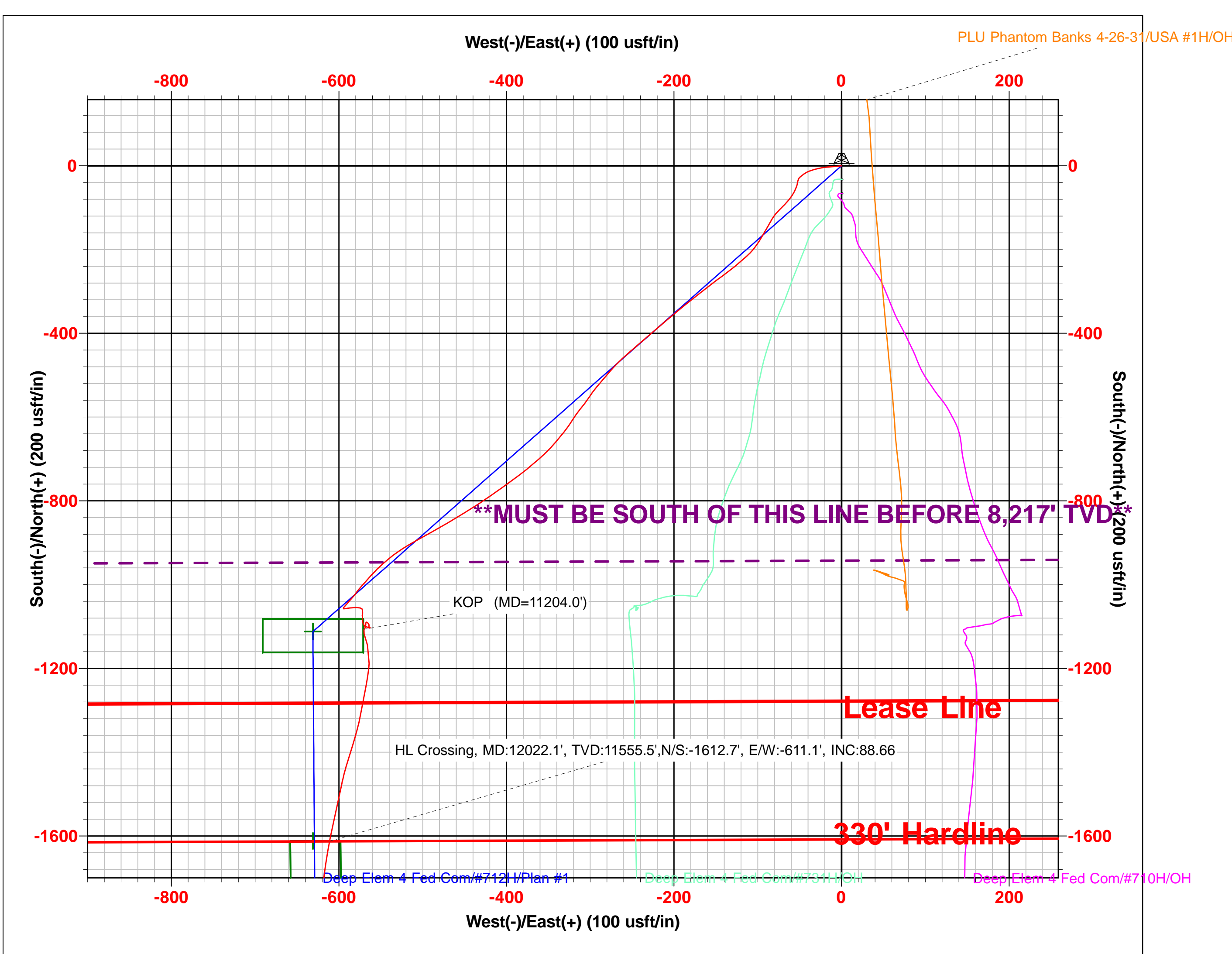
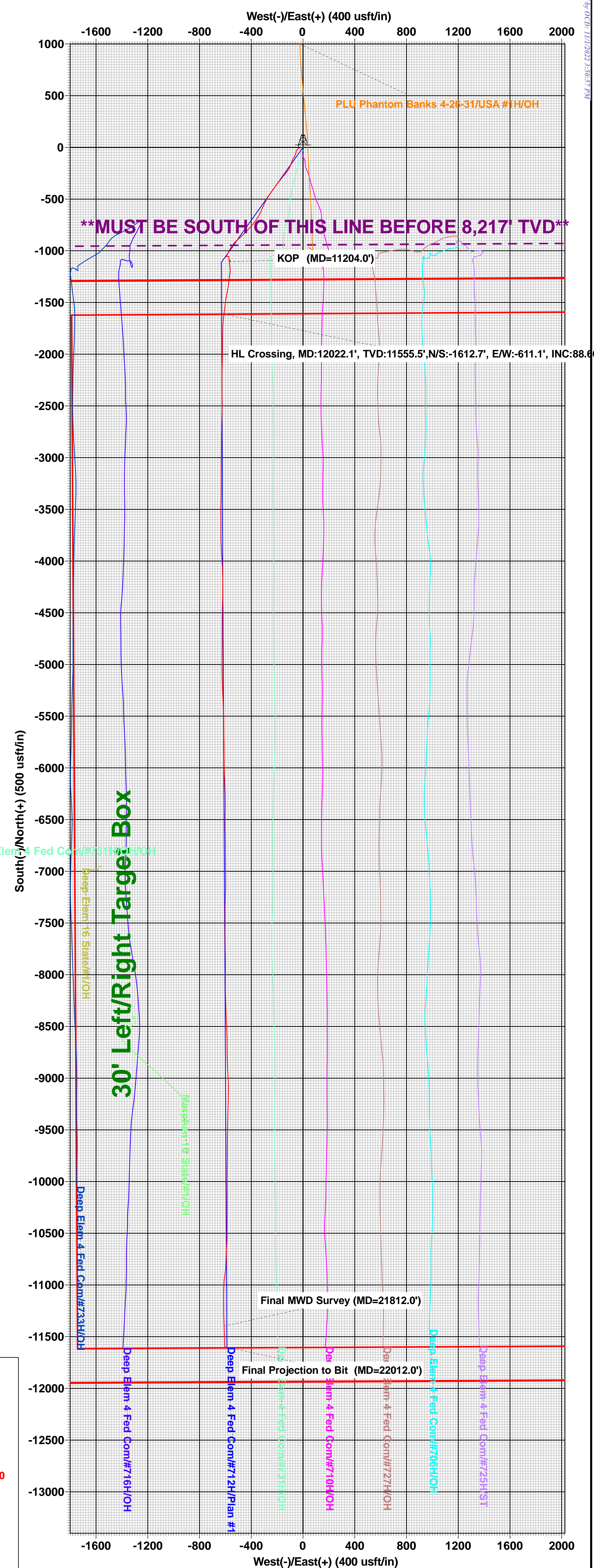
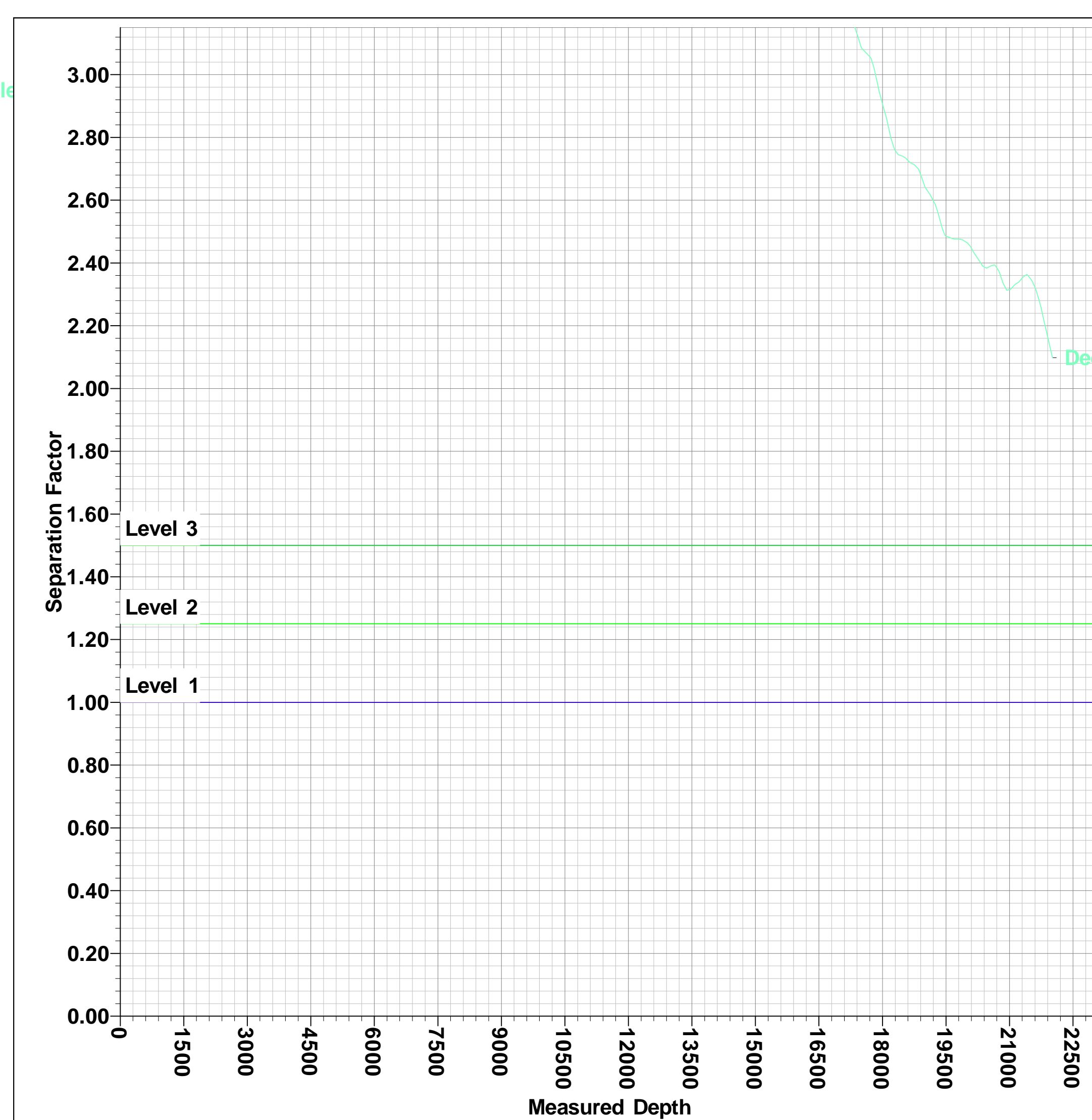
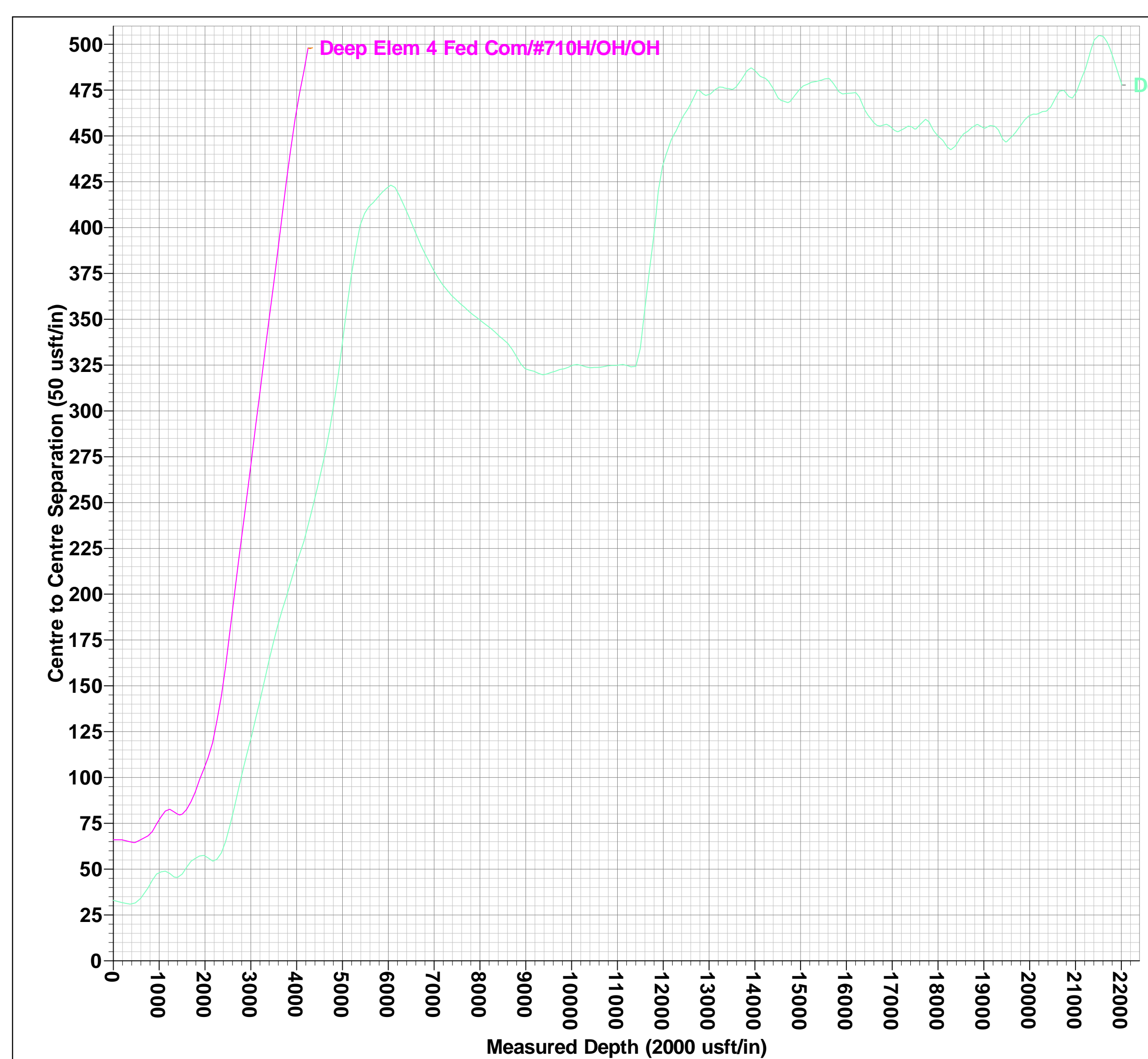
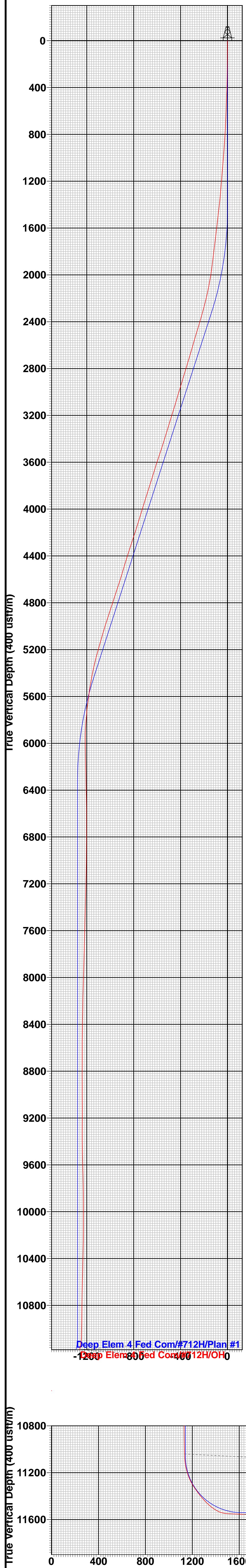
WELL DETAILS: #712H

3281.0
 KB = 25' @ 3306.0usft
 Northing: 389005.00 Easting: 711208.00 Latitude: 32° 4' 5.765 N Longitude: 103° 47' 5.783 W



Azimuths to Grid North
 True North: -0.29°
 Magnetic North: 6.22°
Magnetic Field Strength: 47277.8nT
 Dip Angle: 59.69°
 Date: 6/12/2022
 Model: IGRF2020

To convert a Magnetic Direction to a Grid Direction, Add 6.22°
 To convert a Magnetic Direction to a True Direction, Add 6.52° East
 To convert a True Direction to a Grid Direction, Subtract 0.29°





Midland

Eddy County, NM (NAD 83 NME)
Deep Elem 4 Fed Com
#712H
OH

Design: OH

Final PVA

05 July, 2022



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #712H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3306.0usft
Site:	Deep Elem 4 Fed Com	MD Reference:	KB = 25' @ 3306.0usft
Well:	#712H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	PEDM

Project	Eddy 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	Deep Elem 4 Fed Com		
Site Position:		Northing:	388,239.00 usft
From:	Map	Easting:	713,374.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 3' 58.075 N
		Longitude:	103° 46' 40.657 W
		Grid Convergence:	0.29 °

Well	#712H					
Well Position	+N/-S	0.0 usft	Northing:	389,005.00 usft	Latitude:	32° 4' 5.765 N
	+E/-W	0.0 usft	Easting:	711,208.00 usft	Longitude:	103° 47' 5.783 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,281.0 usft

Wellbore	OH					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)	
	IGRF2020	6/12/2022	6.52	59.69	47,277.83103662	

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	182.90	

Survey Program	Date 7/5/2022					
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description		
188.0	22,012.0	Total MWD (OH)	EOG MWD+IFR1	MWD + IFR1		



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #712H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3306.0usft
Site:	Deep Elem 4 Fed Com	MD Reference:	KB = 25' @ 3306.0usft
Well:	#712H	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	0.0
188.0	0.97	256.27	188.0	-0.4	-1.5	0.52	0.52	0.00	-1.6	0.0	
363.0	1.76	257.76	362.9	-1.3	-5.6	0.45	0.45	0.85	-5.8	0.1	
480.0	2.77	260.75	479.8	-2.1	-10.2	0.87	0.86	2.56	-10.4	0.5	
598.0	3.56	264.09	597.7	-3.0	-16.6	0.69	0.67	2.83	-16.8	1.2	
755.0	4.18	244.76	754.3	-5.9	-26.6	0.91	0.39	-12.31	-26.6	-6.0	
850.0	4.44	241.94	849.0	-9.1	-33.0	0.35	0.27	-2.97	-33.4	-7.5	
945.0	4.75	230.34	943.7	-13.4	-39.3	1.03	0.33	-12.21	-38.8	-14.8	
1,040.0	4.57	213.73	1,038.4	-19.0	-44.4	1.43	-0.19	-17.48	-40.4	-26.4	
1,135.0	4.62	213.99	1,133.1	-25.3	-48.7	0.06	0.05	0.27	-48.2	-26.2	
1,230.0	4.57	190.97	1,227.8	-32.2	-51.5	1.93	-0.05	-24.23	-41.4	-44.5	
1,325.0	5.85	184.46	1,322.4	-40.8	-52.6	1.48	1.35	-6.85	-44.6	-49.4	
1,407.0	7.08	190.35	1,403.9	-49.9	-53.8	1.70	1.50	7.18	-58.6	-44.2	
1,502.0	6.51	193.95	1,498.2	-60.9	-56.2	0.75	-0.60	3.79	-72.2	-39.9	
1,597.0	6.64	197.73	1,592.6	-71.3	-59.2	0.48	0.14	3.98	-82.4	-33.9	
1,692.0	7.21	203.09	1,686.9	-82.1	-63.2	0.91	0.60	5.64	-90.2	-24.8	
1,786.0	6.77	204.94	1,780.2	-92.5	-67.8	0.53	-0.47	1.97	-92.8	-20.8	
1,881.0	6.68	207.66	1,874.6	-102.5	-72.8	0.35	-0.09	2.86	-91.9	-15.7	
1,976.0	8.44	203.80	1,968.7	-113.8	-78.1	1.93	1.85	-4.06	-87.0	-20.5	
2,071.0	10.33	196.15	2,062.5	-128.3	-83.3	2.38	1.99	-8.05	-80.2	-28.0	
2,166.0	12.84	195.71	2,155.5	-146.7	-88.5	2.64	2.64	-0.46	-77.1	-23.1	
2,261.0	14.46	196.41	2,247.8	-168.2	-94.8	1.71	1.71	0.74	-74.8	-16.1	
2,356.0	15.87	199.49	2,339.5	-191.8	-102.4	1.71	1.48	3.24	-72.1	-6.5	
2,450.0	16.84	208.63	2,429.7	-215.9	-113.3	2.92	1.03	9.72	-69.6	7.0	
2,545.0	16.84	211.36	2,520.7	-239.7	-127.0	0.83	0.00	2.87	-67.5	9.9	
2,640.0	15.74	214.96	2,611.9	-262.0	-141.6	1.57	-1.16	3.79	-64.3	12.0	
2,734.0	17.01	212.50	2,702.1	-284.1	-156.3	1.54	1.35	-2.62	-62.3	7.3	



Final PVA

Company: Midland
Project: Eddy County, NM (NAD 83 NME)
Site: Deep Elem 4 Fed Com
Well: #712H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #712H
TVD Reference: KB = 25' @ 3306.0usft
MD Reference: KB = 25' @ 3306.0usft
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)	
2,829.0	16.97	212.85	2,792.9	-307.5	-171.2	0.12	-0.04	0.37	-60.8	6.1	
2,924.0	16.13	211.44	2,884.0	-330.4	-185.6	0.98	-0.88	-1.48	-58.8	3.4	
3,019.0	17.45	210.74	2,974.9	-353.9	-199.8	1.41	1.39	-0.74	-57.0	2.0	
3,114.0	16.18	210.74	3,065.9	-377.5	-213.9	1.34	-1.34	0.00	-55.3	1.4	
3,208.0	17.49	209.86	3,155.8	-401.0	-227.6	1.42	1.39	-0.94	-53.6	0.2	
3,303.0	16.70	210.57	3,246.6	-425.1	-241.6	0.86	-0.83	0.75	-52.3	0.5	
3,397.0	17.58	209.78	3,336.4	-449.1	-255.6	0.97	0.94	-0.84	-51.1	-0.5	
3,492.0	16.62	205.56	3,427.3	-473.8	-268.5	1.65	-1.01	-4.44	-49.7	-3.0	
3,587.0	19.03	203.01	3,517.7	-500.3	-280.5	2.67	2.54	-2.68	-49.6	-2.4	
3,682.0	17.80	202.74	3,607.8	-528.0	-292.1	1.30	-1.29	-0.28	-50.7	0.8	
3,777.0	17.19	198.09	3,698.4	-554.7	-302.1	1.60	-0.64	-4.89	-50.5	1.5	
3,871.0	17.80	202.92	3,788.1	-581.1	-312.0	1.67	0.65	5.14	-49.7	10.0	
3,966.0	17.71	196.50	3,878.6	-608.4	-321.8	2.06	-0.09	-6.76	-50.9	9.6	
4,061.0	17.41	201.78	3,969.1	-635.4	-331.1	1.71	-0.32	5.56	-49.6	19.3	
4,156.0	16.84	203.18	4,059.9	-661.3	-341.8	0.74	-0.60	1.47	-48.0	24.1	
4,251.0	17.41	207.93	4,150.7	-686.5	-353.9	1.59	0.60	5.00	-44.7	29.8	
4,346.0	18.42	210.39	4,241.1	-712.0	-368.2	1.33	1.06	2.59	-43.5	31.8	
4,441.0	17.98	213.55	4,331.4	-737.1	-383.9	1.14	-0.46	3.33	-42.4	32.8	
4,535.0	17.41	214.78	4,420.9	-760.8	-399.9	0.73	-0.61	1.31	-41.5	31.4	
4,630.0	16.53	215.66	4,511.8	-783.4	-415.9	0.96	-0.93	0.93	-39.7	29.1	
4,725.0	17.76	216.81	4,602.6	-806.0	-432.4	1.34	1.29	1.21	-38.2	26.4	
4,819.0	18.24	219.27	4,692.0	-828.9	-450.3	0.96	0.51	2.62	-37.7	23.7	
4,914.0	18.81	220.06	4,782.0	-852.1	-469.6	0.66	0.60	0.83	-38.9	19.1	
5,009.0	18.81	222.78	4,872.0	-875.1	-489.9	0.92	0.00	2.86	-40.2	14.9	
5,104.0	18.24	221.38	4,962.0	-897.5	-510.1	0.76	-0.60	-1.47	-42.2	7.7	
5,199.0	16.13	216.37	5,052.8	-919.3	-527.8	2.71	-2.22	-5.27	-41.7	-0.6	
5,293.0	15.91	211.18	5,143.2	-940.8	-542.2	1.54	-0.23	-5.52	-38.4	-6.2	



Final PVA

Company: Midland
Project: Eddy County, NM (NAD 83 NME)
Site: Deep Elem 4 Fed Com
Well: #712H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #712H
TVD Reference: KB = 25' @ 3306.0usft
MD Reference: KB = 25' @ 3306.0usft
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)		
5,388.0	15.56	206.35	5,234.6	-963.4	-554.6	1.43	-0.37	-5.08	-34.3	-8.7		
5,483.0	13.36	203.62	5,326.6	-984.8	-564.6	2.42	-2.32	-2.87	-28.3	-7.9		
5,578.0	11.03	204.50	5,419.4	-1,003.2	-572.8	2.46	-2.45	0.93	-19.1	-4.7		
5,673.0	9.27	199.32	5,513.0	-1,018.7	-579.1	2.09	-1.85	-5.45	-7.5	-2.2		
5,768.0	7.16	204.32	5,607.0	-1,031.3	-584.1	2.34	-2.22	5.26	4.0	1.4		
5,863.0	6.46	203.97	5,701.3	-1,041.6	-588.7	0.74	-0.74	-0.37	14.8	3.5		
5,957.0	4.84	202.04	5,794.8	-1,050.1	-592.3	1.73	-1.72	-2.05	24.1	6.3		
6,052.0	2.42	204.24	5,889.6	-1,055.6	-594.6	2.55	-2.55	2.32	34.2	7.0		
6,147.0	1.23	88.05	5,984.6	-1,057.4	-594.4	3.33	-1.25	-122.31	-28.1	36.7		
6,241.0	1.71	74.69	6,078.6	-1,057.0	-592.1	0.62	0.51	-14.21	-44.9	35.7		
6,336.0	1.71	80.66	6,173.5	-1,056.4	-589.3	0.19	0.00	6.28	-47.8	45.3		
6,430.0	1.67	72.58	6,267.5	-1,055.8	-586.6	0.26	-0.04	-8.60	-58.9	40.1		
6,525.0	1.76	76.44	6,362.5	-1,055.0	-583.9	0.15	0.09	4.06	-59.2	44.4		
6,620.0	1.76	89.01	6,457.4	-1,054.6	-581.0	0.41	0.00	13.23	-51.0	56.5		
6,715.0	1.32	92.44	6,552.4	-1,054.7	-578.5	0.47	-0.46	3.61	-50.0	59.5		
6,810.0	1.19	109.23	6,647.4	-1,055.0	-576.4	0.41	-0.14	17.67	-32.8	71.8		
6,904.0	1.10	118.54	6,741.3	-1,055.8	-574.7	0.22	-0.10	9.90	-22.6	76.3		
6,999.0	0.97	132.69	6,836.3	-1,056.8	-573.3	0.30	-0.14	14.89	-4.9	79.7		
7,094.0	0.79	158.36	6,931.3	-1,057.9	-572.5	0.45	-0.19	27.02	28.7	74.3		
7,189.0	0.97	170.66	7,026.3	-1,059.3	-572.1	0.27	0.19	12.95	42.4	66.7		
7,283.0	1.14	178.49	7,120.3	-1,061.0	-572.0	0.24	0.18	8.33	49.4	60.4		
7,378.0	1.36	177.26	7,215.3	-1,063.1	-571.9	0.23	0.23	-1.29	46.0	61.4		
7,472.0	1.76	176.64	7,309.2	-1,065.7	-571.7	0.43	0.43	-0.66	42.8	61.9		
7,567.0	1.58	182.00	7,404.2	-1,068.4	-571.7	0.25	-0.19	5.64	45.6	57.7		
7,662.0	1.54	184.64	7,499.2	-1,071.0	-571.9	0.09	-0.04	2.78	45.6	55.6		
7,757.0	1.67	181.82	7,594.1	-1,073.7	-572.0	0.16	0.14	-2.97	40.2	57.8		
7,851.0	1.85	176.55	7,688.1	-1,076.5	-572.0	0.26	0.19	-5.61	31.8	61.1		



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #712H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3306.0usft
Site:	Deep Elem 4 Fed Com	MD Reference:	KB = 25' @ 3306.0usft
Well:	#712H	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)		
7,946.0	2.02	180.51	7,783.0	-1,079.8	-571.9	0.23	0.18	4.17	32.8	58.8		
8,041.0	1.67	174.79	7,878.0	-1,082.8	-571.8	0.42	-0.37	-6.02	23.7	61.6		
8,136.0	1.98	180.86	7,972.9	-1,085.8	-571.7	0.38	0.33	6.39	27.0	58.9		
8,231.0	1.89	174.71	8,067.9	-1,089.0	-571.5	0.24	-0.09	-6.47	17.4	61.3		
8,325.0	1.58	168.03	8,161.8	-1,091.8	-571.1	0.39	-0.33	-7.11	7.3	62.7		
8,420.0	1.27	167.32	8,256.8	-1,094.1	-570.6	0.33	-0.33	-0.75	4.2	62.8		
8,515.0	1.85	171.19	8,351.8	-1,096.7	-570.2	0.62	0.61	4.07	5.8	62.5		
8,609.0	1.45	131.90	8,445.7	-1,099.0	-569.1	1.25	-0.43	-41.80	-37.4	51.1		
8,705.0	1.27	132.26	8,541.7	-1,100.5	-567.4	0.19	-0.19	0.37	-39.4	51.3		
8,800.0	1.19	120.92	8,636.7	-1,101.7	-565.7	0.27	-0.08	-11.94	-50.7	42.4		
8,894.0	0.62	137.70	8,730.7	-1,102.6	-564.6	0.66	-0.61	17.85	-37.8	55.5		
8,988.0	0.35	133.57	8,824.7	-1,103.2	-564.0	0.29	-0.29	-4.39	-42.5	52.6		
9,082.0	0.31	30.21	8,918.7	-1,103.2	-563.7	0.55	-0.04	-109.96	-41.5	-53.7		
9,177.0	0.40	87.69	9,013.7	-1,102.9	-563.2	0.37	0.09	60.51	-68.1	6.3		
9,271.0	0.31	95.96	9,107.7	-1,102.9	-562.6	0.11	-0.10	8.80	-67.1	16.1		
9,365.0	0.22	310.41	9,201.7	-1,102.8	-562.5	0.54	-0.10	-154.84	46.2	-51.4		
9,460.0	0.79	215.31	9,296.6	-1,103.3	-563.0	0.88	0.60	-100.11	46.4	50.4		
9,554.0	0.84	334.49	9,390.6	-1,103.2	-563.7	1.50	0.05	126.79	21.0	-64.5		
9,648.0	1.54	356.11	9,484.6	-1,101.3	-564.1	0.87	0.74	23.00	-6.2	-67.5		
9,742.0	1.67	3.58	9,578.6	-1,098.7	-564.1	0.26	0.14	7.95	-17.5	-66.0		
9,837.0	1.58	357.34	9,673.5	-1,096.0	-564.1	0.21	-0.09	-6.57	-12.9	-67.6		
9,932.0	1.76	340.64	9,768.5	-1,093.3	-564.6	0.54	0.19	-17.58	4.3	-68.9		
10,026.0	1.19	327.20	9,862.5	-1,091.1	-565.6	0.71	-0.61	-14.30	17.9	-66.3		
10,120.0	0.53	309.18	9,956.5	-1,090.0	-566.5	0.75	-0.70	-19.17	36.1	-57.8		
10,214.0	0.22	304.52	10,050.5	-1,089.6	-567.0	0.33	-0.33	-4.96	40.1	-54.7		
10,309.0	0.22	232.36	10,145.5	-1,089.6	-567.3	0.27	0.00	-75.96	64.1	21.2		
10,404.0	0.66	199.40	10,240.5	-1,090.3	-567.6	0.52	0.46	-34.69	41.6	52.6		



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #712H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3306.0usft
Site:	Deep Elem 4 Fed Com	MD Reference:	KB = 25' @ 3306.0usft
Well:	#712H	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)		
10,498.0	1.54	184.81	10,334.4	-1,092.0	-567.9	0.97	0.94	-15.52	25.2	61.2		
10,593.0	1.67	177.78	10,429.4	-1,094.7	-567.9	0.25	0.14	-7.40	14.9	63.7		
10,688.0	1.54	187.45	10,524.4	-1,097.3	-568.0	0.32	-0.14	10.18	22.7	60.5		
10,783.0	1.45	186.22	10,619.3	-1,099.8	-568.3	0.10	-0.09	-1.29	18.9	61.0		
10,877.0	0.97	185.43	10,713.3	-1,101.8	-568.5	0.51	-0.51	-0.84	16.1	61.2		
10,971.0	0.66	188.59	10,807.3	-1,103.1	-568.7	0.33	-0.33	3.36	18.1	60.3		
11,040.0	0.70	201.25	10,876.3	-1,103.9	-568.9	0.22	0.06	18.35	30.1	54.9		
11,123.0	1.10	211.44	10,959.3	-1,105.0	-569.5	0.52	0.48	12.28	38.0	48.8		
11,204.0	1.20	193.13	11,040.3	-1,106.5	-570.1	0.47	0.13	-22.60	19.2	58.1		
KOP (MD=11204.0')												
11,218.0	1.23	190.35	11,054.3	-1,106.8	-570.2	0.47	0.20	-19.88	16.0	58.9		
11,313.0	11.47	176.82	11,148.6	-1,117.3	-569.8	10.82	10.78	-14.24	-1.0	61.2		
11,407.0	22.07	169.26	11,238.4	-1,144.0	-566.0	11.49	11.28	-8.04	-10.2	64.1		
11,502.0	33.54	182.53	11,322.4	-1,188.0	-563.8	13.65	12.07	13.97	2.7	66.9		
11,597.0	38.46	185.43	11,399.3	-1,243.7	-567.8	5.48	5.18	3.05	9.2	62.2		
11,692.0	47.03	185.43	11,469.0	-1,307.8	-573.9	9.02	9.02	0.00	19.7	55.3		
11,786.0	60.40	188.86	11,524.5	-1,382.8	-583.5	14.52	14.22	3.65	31.2	44.3		
11,839.0	76.66	188.50	11,543.8	-1,431.3	-590.9	30.69	30.68	-0.68	29.8	37.7		
11,888.0	87.34	185.96	11,550.6	-1,479.4	-597.0	22.39	21.80	-5.18	22.1	32.6		
11,983.0	88.13	186.31	11,554.4	-1,573.8	-607.1	0.91	0.83	0.37	13.8	22.1		
12,022.1	88.66	185.47	11,555.5	-1,612.7	-611.1	2.54	1.36	-2.15	14.7	18.0		
HL Crossing, MD:12022.1', TVD:11555.5', N/S:-1612.7', E/W:-611.1', INC:88.66												
12,077.0	89.41	184.29	11,556.4	-1,667.4	-615.8	2.54	1.36	-2.15	15.9	13.2		
12,172.0	92.35	181.21	11,554.9	-1,762.2	-620.3	4.48	3.09	-3.24	15.1	8.3		
12,267.0	92.00	180.59	11,551.3	-1,857.1	-621.8	0.75	-0.37	-0.65	12.1	6.5		
12,361.0	94.37	180.59	11,546.1	-1,951.0	-622.8	2.52	2.52	0.00	7.5	5.2		
12,456.0	90.86	181.03	11,541.8	-2,045.9	-624.1	3.72	-3.69	0.46	3.8	3.5		



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #712H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3306.0usft
Site:	Deep Elem 4 Fed Com	MD Reference:	KB = 25' @ 3306.0usft
Well:	#712H	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)		
12,550.0	89.63	180.86	11,541.4	-2,139.8	-625.7	1.32	-1.31	-0.18	4.0	1.6		
12,645.0	89.89	180.59	11,541.8	-2,234.8	-626.9	0.39	0.27	-0.28	5.1	0.1		
12,739.0	89.85	179.54	11,542.0	-2,328.8	-627.0	1.12	-0.04	-1.12	5.9	-0.4		
12,834.0	88.88	179.10	11,543.0	-2,423.8	-625.9	1.12	-1.02	-0.46	7.6	0.4		
12,929.0	90.99	181.12	11,543.1	-2,518.8	-626.1	3.07	2.22	2.13	8.3	-0.1		
13,024.0	90.77	180.77	11,541.7	-2,613.8	-627.6	0.44	-0.23	-0.37	7.5	-2.0		
13,118.0	91.65	180.77	11,539.7	-2,707.8	-628.9	0.94	0.94	0.00	6.1	-3.6		
13,213.0	91.47	180.51	11,537.1	-2,802.7	-629.9	0.33	-0.19	-0.27	4.2	-5.0		
13,308.0	89.58	180.33	11,536.2	-2,897.7	-630.6	2.00	-1.99	-0.19	3.9	-6.1		
13,402.0	89.10	180.77	11,537.3	-2,991.7	-631.5	0.69	-0.51	0.47	5.6	-7.3		
13,497.0	90.24	179.72	11,537.9	-3,086.7	-631.9	1.63	1.20	-1.11	6.8	-8.1		
13,591.0	93.19	180.07	11,535.1	-3,180.6	-631.8	3.16	3.14	0.37	4.6	-8.2		
13,686.0	92.09	179.89	11,530.7	-3,275.5	-631.7	1.17	-1.16	-0.19	0.9	-8.5		
13,781.0	90.95	181.12	11,528.2	-3,370.5	-632.6	1.76	-1.20	1.29	-1.0	-9.7		
13,821.0	90.46	181.12	11,527.7	-3,410.5	-633.4	1.22	-1.22	0.00	-1.3	-10.6		
13,915.0	87.56	180.16	11,529.3	-3,504.4	-634.4	3.25	-3.09	-1.02	1.0	-12.0		
14,010.0	87.12	179.80	11,533.7	-3,599.3	-634.4	0.60	-0.46	-0.38	6.0	-12.3		
14,105.0	88.70	179.80	11,537.2	-3,694.3	-634.0	1.66	1.66	0.00	10.1	-12.3		
14,199.0	90.90	179.72	11,537.5	-3,788.3	-633.7	2.34	2.34	-0.09	11.1	-12.3		
14,294.0	91.08	177.78	11,535.8	-3,883.2	-631.6	2.05	0.19	-2.04	10.1	-10.6		
14,389.0	91.38	177.34	11,533.8	-3,978.1	-627.5	0.56	0.32	-0.46	8.6	-6.9		
14,483.0	90.51	176.82	11,532.3	-4,072.0	-622.8	1.08	-0.93	-0.55	7.6	-2.4		
14,578.0	91.21	180.51	11,530.8	-4,166.9	-620.5	3.95	0.74	3.88	6.7	-0.6		
14,673.0	90.42	179.63	11,529.5	-4,261.9	-620.7	1.24	-0.83	-0.93	5.9	-1.2		
14,768.0	90.55	181.21	11,528.7	-4,356.9	-621.4	1.67	0.14	1.66	5.5	-2.3		
14,863.0	90.29	181.39	11,528.0	-4,451.9	-623.5	0.33	-0.27	0.19	5.4	-4.8		
14,957.0	90.81	180.07	11,527.1	-4,545.9	-624.7	1.51	0.55	-1.40	4.9	-6.4		



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #712H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3306.0usft
Site:	Deep Elem 4 Fed Com	MD Reference:	KB = 25' @ 3306.0usft
Well:	#712H	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)		
15,052.0	91.21	180.07	11,525.4	-4,640.9	-624.8	0.42	0.42	0.00	3.8	-7.0		
15,147.0	90.24	179.98	11,524.2	-4,735.8	-624.9	1.03	-1.02	-0.09	3.1	-7.4		
15,242.0	90.59	180.68	11,523.5	-4,830.8	-625.4	0.82	0.37	0.74	2.9	-8.4		
15,337.0	89.98	180.42	11,523.0	-4,925.8	-626.3	0.70	-0.64	-0.27	2.9	-9.7		
15,432.0	88.92	179.28	11,524.0	-5,020.8	-626.1	1.64	-1.12	-1.20	4.3	-9.8		
15,526.0	92.18	179.19	11,523.1	-5,114.8	-624.8	3.47	3.47	-0.10	3.9	-9.0		
15,621.0	91.38	178.75	11,520.1	-5,209.7	-623.1	0.96	-0.84	-0.46	1.5	-7.7		
15,716.0	90.73	177.87	11,518.4	-5,304.7	-620.3	1.15	-0.68	-0.93	0.2	-5.3		
15,811.0	89.85	177.17	11,517.9	-5,399.6	-616.2	1.18	-0.93	-0.74	0.2	-1.6		
15,906.0	90.81	179.37	11,517.3	-5,494.5	-613.3	2.53	1.01	2.32	0.2	0.9		
16,001.0	91.60	179.54	11,515.3	-5,589.5	-612.4	0.85	0.83	0.18	-1.3	1.4		
16,095.0	91.69	179.54	11,512.6	-5,683.5	-611.7	0.10	0.10	0.00	-3.5	1.7		
16,190.0	92.97	179.37	11,508.8	-5,778.4	-610.8	1.36	1.35	-0.18	-6.9	2.2		
16,285.0	85.63	180.42	11,509.9	-5,873.3	-610.6	7.80	-7.73	1.11	-5.2	2.0		
16,380.0	87.96	178.93	11,515.2	-5,968.2	-610.1	2.91	2.45	-1.57	0.6	2.1		
16,475.0	92.40	178.66	11,514.9	-6,063.1	-608.1	4.68	4.67	-0.28	0.8	3.7		
16,570.0	92.04	177.25	11,511.3	-6,158.0	-604.7	1.53	-0.38	-1.48	-2.4	6.7		
16,665.0	92.18	178.66	11,507.8	-6,252.8	-601.3	1.49	0.15	1.48	-5.4	9.7		
16,759.0	91.30	179.89	11,504.9	-6,346.8	-600.1	1.61	-0.94	1.31	-7.7	10.4		
16,854.0	89.45	181.39	11,504.3	-6,441.8	-601.2	2.51	-1.95	1.58	-7.9	9.0		
16,949.0	89.19	179.37	11,505.4	-6,536.8	-601.8	2.14	-0.27	-2.13	-6.2	7.9		
17,044.0	88.53	179.10	11,507.3	-6,631.7	-600.5	0.75	-0.69	-0.28	-3.9	8.8		
17,139.0	90.46	179.54	11,508.1	-6,726.7	-599.4	2.08	2.03	0.46	-2.5	9.5		
17,233.0	89.67	179.80	11,508.0	-6,820.7	-598.8	0.88	-0.84	0.28	-2.1	9.7		
17,328.0	89.27	179.98	11,508.9	-6,915.7	-598.7	0.46	-0.42	0.19	-0.7	9.4		
17,423.0	88.31	178.93	11,510.9	-7,010.7	-597.8	1.50	-1.01	-1.11	1.8	9.9		
17,518.0	90.73	180.24	11,511.7	-7,105.7	-597.1	2.90	2.55	1.38	3.1	10.2		



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #712H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3306.0usft
Site:	Deep Elem 4 Fed Com	MD Reference:	KB = 25' @ 3306.0usft
Well:	#712H	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)		
17,613.0	91.78	181.56	11,509.6	-7,200.6	-598.6	1.78	1.11	1.39	1.5	8.3		
17,708.0	92.04	181.65	11,506.5	-7,295.5	-601.2	0.29	0.27	0.09	-1.2	5.2		
17,803.0	89.85	179.63	11,504.9	-7,390.5	-602.3	3.14	-2.31	-2.13	-2.3	3.8		
17,897.0	90.11	180.33	11,504.9	-7,484.5	-602.3	0.79	0.28	0.74	-1.7	3.4		
17,992.0	89.54	179.98	11,505.2	-7,579.5	-602.5	0.70	-0.60	-0.37	-0.9	2.7		
18,087.0	88.97	179.45	11,506.5	-7,674.5	-602.0	0.82	-0.60	-0.56	0.8	2.8		
18,182.0	87.91	178.84	11,509.0	-7,769.5	-600.6	1.29	-1.12	-0.64	3.9	3.8		
18,277.0	88.75	179.80	11,511.8	-7,864.4	-599.5	1.34	0.88	1.01	7.1	4.5		
18,372.0	89.89	180.07	11,512.9	-7,959.4	-599.4	1.23	1.20	0.28	8.8	4.2		
18,466.0	90.99	180.68	11,512.2	-8,053.4	-600.0	1.34	1.17	0.65	8.5	3.2		
18,561.0	89.27	179.19	11,512.0	-8,148.4	-599.9	2.40	-1.81	-1.57	8.8	2.9		
18,656.0	91.91	178.93	11,511.0	-8,243.4	-598.3	2.79	2.78	-0.27	8.4	4.1		
18,751.0	90.68	178.22	11,508.9	-8,338.3	-596.0	1.49	-1.29	-0.75	6.7	6.0		
18,845.0	90.29	178.31	11,508.1	-8,432.3	-593.1	0.43	-0.41	0.10	6.4	8.5		
18,940.0	89.05	177.61	11,508.6	-8,527.2	-589.7	1.50	-1.31	-0.74	7.5	11.4		
19,035.0	89.76	179.80	11,509.6	-8,622.2	-587.6	2.42	0.75	2.31	8.9	13.2		
19,130.0	89.32	179.54	11,510.4	-8,717.1	-587.1	0.54	-0.46	-0.27	10.2	13.3		
19,225.0	89.54	179.19	11,511.3	-8,812.1	-586.0	0.44	0.23	-0.37	11.6	14.0		
19,320.0	86.77	177.69	11,514.4	-8,907.0	-583.4	3.32	-2.92	-1.58	15.2	16.2		
19,415.0	90.46	176.55	11,516.7	-9,001.9	-578.6	4.07	3.88	-1.20	18.0	20.5		
19,509.0	93.10	180.68	11,513.8	-9,095.8	-576.4	5.21	2.81	4.39	15.6	22.4		
19,604.0	92.00	180.77	11,509.5	-9,190.7	-577.6	1.16	-1.16	0.09	11.8	20.8		
19,699.0	92.53	181.21	11,505.8	-9,285.6	-579.2	0.72	0.56	0.46	8.6	18.7		
19,794.0	92.00	181.21	11,502.0	-9,380.5	-581.2	0.56	-0.56	0.00	5.3	16.3		
19,889.0	91.30	181.12	11,499.3	-9,475.4	-583.1	0.74	-0.74	-0.09	3.1	14.0		
19,984.0	90.99	180.59	11,497.4	-9,570.4	-584.6	0.65	-0.33	-0.56	1.7	12.1		
20,078.0	90.24	180.24	11,496.4	-9,664.4	-585.2	0.88	-0.80	-0.37	1.2	11.1		



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #712H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3306.0usft
Site:	Deep Elem 4 Fed Com	MD Reference:	KB = 25' @ 3306.0usft
Well:	#712H	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)		
20,173.0	89.89	180.16	11,496.3	-9,759.4	-585.6	0.38	-0.37	-0.08	1.6	10.3		
20,268.0	89.32	180.68	11,496.9	-9,854.4	-586.3	0.81	-0.60	0.55	2.7	9.2		
20,363.0	90.11	179.80	11,497.4	-9,949.4	-586.7	1.24	0.83	-0.93	3.7	8.4		
20,458.0	91.69	179.98	11,495.9	-10,044.4	-586.5	1.67	1.66	0.19	2.7	8.2		
20,552.0	92.84	180.16	11,492.2	-10,138.3	-586.6	1.24	1.22	0.19	-0.5	7.7		
20,647.0	91.47	179.80	11,488.6	-10,233.2	-586.6	1.49	-1.44	-0.38	-3.6	7.3		
20,741.0	89.58	180.07	11,487.8	-10,327.2	-586.5	2.03	-2.01	0.29	-3.9	7.0		
20,836.0	88.09	180.59	11,489.7	-10,422.2	-587.0	1.66	-1.57	0.55	-1.5	6.0		
20,931.0	91.21	179.72	11,490.3	-10,517.2	-587.3	3.41	3.28	-0.92	-0.4	5.4		
21,026.0	93.89	182.44	11,486.0	-10,612.0	-589.1	4.02	2.82	2.86	-4.2	3.2		
21,121.0	92.75	182.09	11,480.5	-10,706.8	-592.8	1.26	-1.20	-0.37	-9.2	-1.0		
21,216.0	91.69	181.82	11,476.9	-10,801.7	-596.0	1.15	-1.12	-0.28	-12.3	-4.6		
21,311.0	91.69	187.27	11,474.1	-10,896.3	-603.6	5.73	0.00	5.74	-14.7	-12.5		
21,406.0	91.34	182.00	11,471.5	-10,990.9	-611.2	5.56	-0.37	-5.55	-16.7	-20.6		
21,501.0	90.55	180.59	11,470.0	-11,085.9	-613.4	1.70	-0.83	-1.48	-17.7	-23.2		
21,596.0	89.67	179.63	11,469.8	-11,180.9	-613.6	1.37	-0.93	-1.01	-17.4	-23.8		
21,690.0	87.78	179.10	11,471.9	-11,274.9	-612.5	2.09	-2.01	-0.56	-14.8	-23.1		
21,754.0	87.25	178.57	11,474.7	-11,338.8	-611.2	1.17	-0.83	-0.83	-11.7	-22.1		
21,812.0	87.08	178.75	11,477.5	-11,396.7	-609.9	0.43	-0.29	0.31	-8.5	-21.0		
Final MWD Survey (MD=21812.0')												
22,012.0	87.08	178.75	11,487.7	-11,596.4	-605.5	0.00	0.00	0.00	2.7	-17.5		
Final Projection to Bit (MD=22012.0')												



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #712H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3306.0usft
Site:	Deep Elem 4 Fed Com	MD Reference:	KB = 25' @ 3306.0usft
Well:	#712H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	PEDM

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
11,204.0	11,040.3	-1,106.5	-570.1	KOP (MD=11204.0')	
12,022.1	11,555.5	-1,612.7	-611.1	HL Crossing, MD:12022.1', TVD:11555.5',N/S:-1612.7', E/W:-611.1', INC:88.66	
21,812.0	11,477.5	-11,396.7	-609.9	Final MWD Survey (MD=21812.0')	
22,012.0	11,487.7	-11,596.4	-605.5	Final Projection to Bit (MD=22012.0')	

Checked By: _____ Approved By: _____ Date: _____

I CERTIFY THIS SURVEY TOBE TRUE AND CORRECT TO THE BEST OF MY BELIEF AND KNOWLEDGE
 KAY MADDOX 10/11/2022

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 District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505				Form C-105 Revised August 1, 2011				
		1. WELL API NO.		30-015-48258		2. Type of Lease		<input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> FED/INDIAN		
		3. State Oil & Gas Lease No.				5. Lease Name or Unit Agreement Name		DEEP ELEM 4 FEDERAL COM		
4. Reason for filing:		<input checked="" type="checkbox"/> COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only)		6. Well Number:		712H		<input type="checkbox"/> 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)		
7. Type of Completion:		<input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input type="checkbox"/> OTHER		8. Name of Operator		EOG RESOURCES INC		9. OGRID		
10. Address of Operator		PO BOX 2267 MIDLAND, TEXAS 79702		11. Pool name or Wildcat		PURPLE SAGE; WOLFCAMP (GAS)				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	N	4	26S	31E		1278	SOUTH	2123	WEST	EDDY
BH:	N	16	26S	31E		343	SOUTH	1468	WEST	EDDY
13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released		16. Date Completed (Ready to Produce)		17. Elevations (DF and RKB, RT, GR, etc.)		3283' GL		
04/09/2022	07/06/2022	07/07/2022		10/15/2022						
18. Total Measured Depth of Well		19. Plug Back Measured Depth		20. Was Directional Survey Made?		21. Type Electric and Other Logs Run		None		
MD 22,012' TVD 11,487'		MD 21,985' TVD 11, 487"		YES						
22. Producing Interval(s), of this completion - Top, Bottom, Name		WOLFCAMP 12,072 - 21,985'								
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#		1385'		13 1/2"		720 CL C/CIRC		
8 3/4"		38.5#		10,086'		9 7/8"		1890 CL C&H/CIRC		
6"		24.5#		21,993'		7 7/8"		1665 CL H TOC 2310' 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)						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
12,072 - 21,985' 3 1/8", 2070 holes						DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED				
						12,072 - 21,985' FRAC W 24,627,480 lbs proppant, 413,193 bbls load fld				
28. PRODUCTION										
Date First Production		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>)				Well Status (<i>Prod. or Shut-in</i>)				
10/15/2022		Flowing				Producing				
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio			
10/20/2022	24	88		2916	11,604	11,018	3979			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (<i>Corr.</i>)				
	2730					46				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>)						30. Test Witnessed By				
SOLD										
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>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</i>										
Signature		Name		Title		Date				
Kay Maddox		Kay Maddox		Senior Regulatory Specialist		11/01/2022				
E-mail Address kay_maddox@eogresources.com										

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy <u>Rustler</u> 1256'	T. Canyon <u>Brushy</u> 6316'	T. Ojo Alamo	T. Penn A"
T. Salt 1645'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 3971'	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 9045'	T. Entrada	
T. Wolfcamp 11,332'	T. 2nd BS Sand 9697'	T. Wingate	
T. Penn	T. 3rd BS Sand 10,929'	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
 No. 2, from.....to.....
 No. 3, from.....to.....
 No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology

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 155395

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 155395
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
<input checked="" type="checkbox"/>	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
<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

CONDITIONS

Action 155395

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 155395
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	2/27/2026