

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 10/09/2022
⁴ API Number 30 - 025-50342	⁵ Pool Name RED HILLS; LOWER BONE SPRING	⁶ Pool Code 51020
⁷ Property Code 325384	⁸ Property Name DURANGO 2 STATE	⁹ Well Number 503H

II. ¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
C	2	25S	33E		276	NORTH	1986	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	2	25S	33E		110	SOUTH	1284	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	²² Ready Date	²³ TD	²⁴ PBDT	²⁵ Perforations	²⁶ DHC, MC
07/23/2022	10/09/2022	15,895'	15,868'	11,244 - 15,868'	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12 1/4	10 3/4"	1342'	575 SXS CL C/CIRC		
9 7/8"	8 3/4"	5142'	655 SXS CL C/CIRC		
6 3/4"	5 1/2"	15,876'	720 SXS CL C&H TOC SURFACE		

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
10/09/2022	10/09/2022	10/14/2022	24 HRS		508
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method	
128	2105	6938	2996		

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: 10/21/2022 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 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

AS DRILLED PLAT

¹ API Number 30-025- 50342		² Pool Code 51020		³ Pool Name RED HILLS; LOWER BONE SPRING	
⁴ Property Code 325384		⁵ Property Name DURANGO 2 STATE			⁶ Well Number 503H
⁷ OGRID No. 7377		⁸ Operator Name EOG RESOURCES, INC.			⁹ Elevation 3491'

¹⁰Surface Location

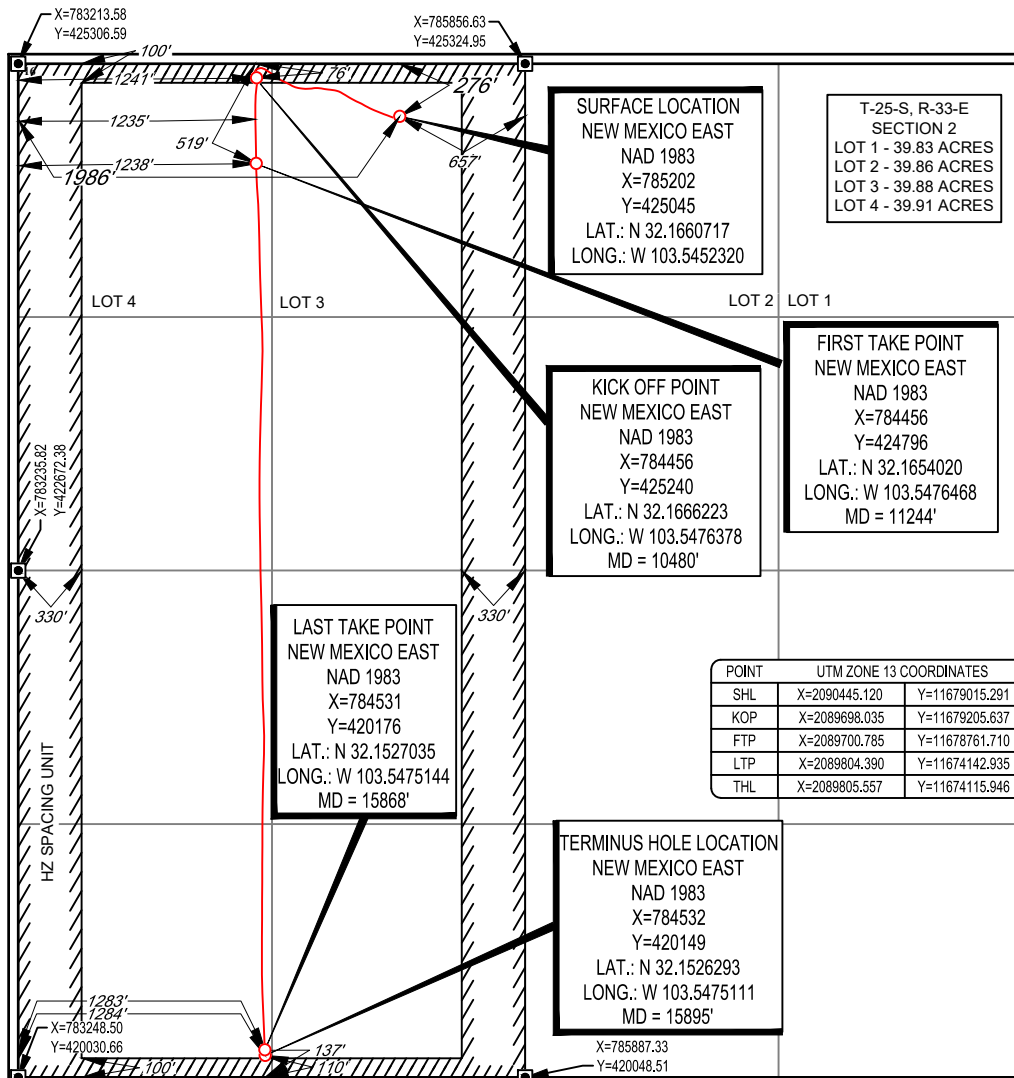
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	2	25-S	33-E	-	276'	NORTH	1986'	WEST	LEA

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	2	25-S	33-E	-	110'	SOUTH	1284'	WEST	LEA

¹² Dedicated Acres 319.61	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.



17 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 a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Kay Maddox 10/12/2022
Signature Date

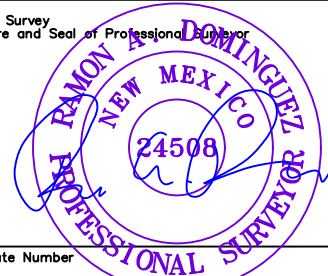
KAY MADDOX
Printed Name

KAY_MADDOX@EOGRESOURCES.COM
E-mail Address

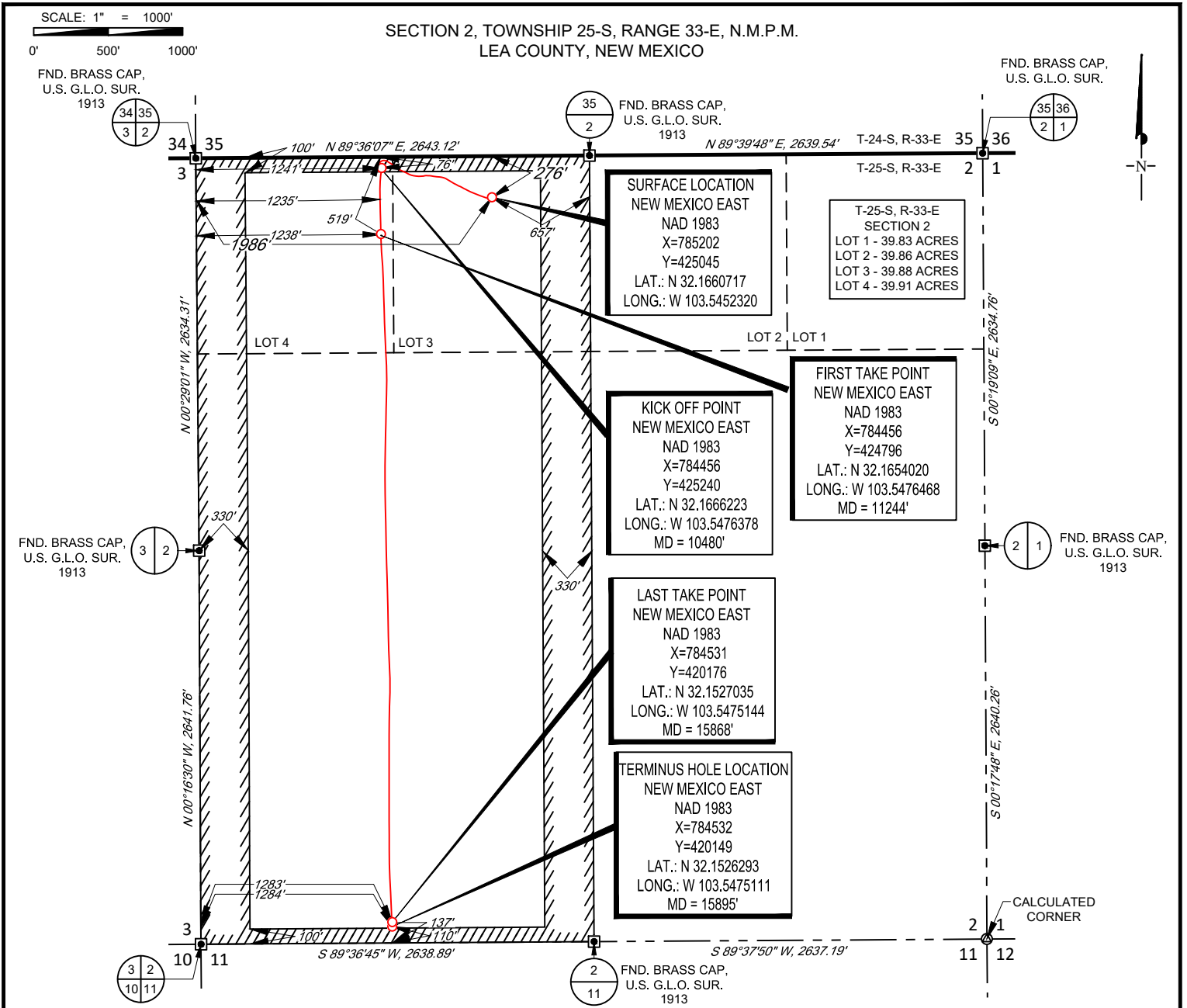
18 SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

07/21/2022

Date of Survey
Signature and Seal of Professional Surveyor



Certificate Number



LEASE NAME & WELL NO.: DURANGO 2 STATE 503H
 SECTION 2 TWP 25-S RGE 33-E SURVEY N.M.P.M.
 COUNTY LEA STATE NM ELEVATION 3491'
 DESCRIPTION 276' FNL & 1986' FWL

POINT	UTM ZONE 13 COORDINATES	
SHL	X=2090445.120	Y=11679015.291
KOP	X=2089698.035	Y=11679205.637
FTP	X=2089700.785	Y=11678761.710
LTP	X=2089804.390	Y=11674142.935
THL	X=2089805.557	Y=11674115.946



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
 October 4, 2022



DURANGO 2 STATE 503H AS-DRILLED	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: 10/04/2022	
	FILE:AD_DURANGO_2_STATE_503H	
	DRAWN BY: LS	
	SHEET: 2 OF 2	



Midland

Lea County, NM (NAD 83 NME)

Durango 2 State

#503H

OH

Survey: Gordon MWD

Final PVA

13 August, 2022





Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #503H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3517.0usft
Site:	Durango 2 State	MD Reference:	KB = 26' @ 3517.0usft
Well:	#503H	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	Durango 2 State		
Site Position:		Northing:	425,051.00 usft
From:	Map	Easting:	783,515.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 9' 58.041 N
		Longitude:	103° 33' 2.454 W
		Grid Convergence:	0.42 °

Well	#503H					
Well Position	+N/-S	0.0 usft	Northing:	425,045.00 usft	Latitude:	32° 9' 57.860 N
	+E/-W	0.0 usft	Easting:	785,201.00 usft	Longitude:	103° 32' 42.841 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,491.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	7/31/2022	6.40	59.81	47,344.51296160

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	188.06

Survey Program	Date	8/13/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
199.0	15,895.0	Gordon MWD (OH)	EOG MWD+IFR1	MWD + IFR1	



Final PVA



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Site:	Durango 2 State	MD Reference:	KB = 26' @ 3517.0usft
Well:	#503H	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
199.0	0.29	154.88	199.0	-0.5	0.2	0.15	0.15	0.00	-0.5	0.0	0.0
298.0	0.48	138.59	298.0	-1.0	0.6	0.22	0.19	-16.45	-1.1	-0.2	-0.2
387.0	0.39	158.84	387.0	-1.6	1.0	0.20	-0.10	22.75	-1.8	0.3	0.3
477.0	0.36	141.71	477.0	-2.1	1.2	0.13	-0.03	-19.03	-2.4	-0.3	-0.3
566.0	0.48	154.91	566.0	-2.6	1.6	0.17	0.13	14.83	-3.0	0.3	0.3
665.0	0.70	160.52	665.0	-3.6	1.9	0.23	0.22	5.67	-4.0	0.6	0.6
761.0	0.42	172.45	761.0	-4.5	2.2	0.31	-0.29	12.43	-4.7	1.6	1.6
856.0	0.70	204.33	856.0	-5.3	2.0	0.43	0.29	33.56	-4.0	4.0	4.0
952.0	0.85	222.31	952.0	-6.4	1.3	0.30	0.16	18.73	-3.9	5.3	5.3
1,048.0	0.93	219.07	1,048.0	-7.5	0.3	0.10	0.08	-3.37	-5.7	5.0	5.0
1,144.0	1.03	217.25	1,143.9	-8.8	-0.7	0.11	0.10	-1.90	-7.5	4.8	4.8
1,239.0	1.06	209.79	1,238.9	-10.3	-1.7	0.15	0.03	-7.85	-9.7	3.7	3.7
1,344.0	0.91	185.66	1,343.9	-11.9	-2.2	0.42	-0.14	-22.98	-12.1	-1.0	-1.0
1,439.0	2.12	256.46	1,438.9	-13.1	-4.0	2.12	1.27	74.53	-6.7	11.9	11.9
1,535.0	4.84	276.20	1,534.7	-13.1	-9.8	3.06	2.83	20.56	-5.2	14.6	14.6
1,630.0	7.02	286.53	1,629.2	-11.0	-19.3	2.55	2.29	10.87	-6.2	16.1	16.1
1,726.0	8.42	289.82	1,724.3	-6.9	-31.6	1.53	1.46	3.43	-8.9	16.3	16.3
1,821.0	10.17	290.01	1,818.1	-1.7	-46.0	1.84	1.84	0.20	-12.4	15.7	15.7
1,917.0	10.83	289.78	1,912.5	4.2	-62.4	0.69	0.69	-0.24	-17.8	15.0	15.0
2,013.0	10.82	290.18	2,006.7	10.4	-79.4	0.08	-0.01	0.42	-23.7	14.4	14.4
2,108.0	10.83	291.25	2,100.1	16.7	-96.1	0.21	0.01	1.13	-29.3	14.1	14.1
2,204.0	10.71	291.01	2,194.4	23.2	-112.8	0.13	-0.12	-0.25	-35.2	13.1	13.1
2,300.0	10.47	291.99	2,288.7	29.6	-129.2	0.31	-0.25	1.02	-40.5	12.7	12.7
2,395.0	8.20	296.96	2,382.5	35.9	-143.3	2.53	-2.39	5.23	-42.8	14.8	14.8
2,491.0	7.72	294.86	2,477.5	41.8	-155.2	0.58	-0.50	-2.19	-44.5	11.3	11.3
2,586.0	7.70	296.86	2,571.7	47.3	-166.7	0.28	-0.02	2.11	-45.0	10.9	10.9



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #503H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3517.0usft
Site:	Durango 2 State	MD Reference:	KB = 26' @ 3517.0usft
Well:	#503H	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)		
2,681.0	7.31	297.12	2,665.9	52.9	-177.7	0.41	-0.41	0.27	-45.5	9.0		
2,777.0	7.06	299.37	2,761.1	58.6	-188.3	0.39	-0.26	2.34	-45.2	8.4		
2,873.0	6.99	299.82	2,856.4	64.4	-198.5	0.09	-0.07	0.47	-45.0	6.0		
2,968.0	9.81	292.93	2,950.4	70.5	-211.0	3.15	2.97	-7.25	-47.2	-1.4		
3,064.0	9.18	296.65	3,045.1	77.1	-225.4	0.92	-0.66	3.87	-51.0	0.1		
3,160.0	8.63	296.85	3,139.9	83.8	-238.6	0.57	-0.57	0.21	-53.9	-1.8		
3,255.0	8.26	297.59	3,233.9	90.1	-251.0	0.41	-0.39	0.78	-56.0	-3.2		
3,351.0	7.91	301.08	3,328.9	96.7	-262.8	0.63	-0.36	3.64	-57.8	-2.4		
3,446.0	7.41	304.08	3,423.1	103.6	-273.5	0.67	-0.53	3.16	-59.0	-2.7		
3,542.0	7.60	299.89	3,518.2	110.2	-284.1	0.60	0.20	-4.36	-59.3	-10.1		
3,638.0	8.16	298.47	3,613.3	116.6	-295.6	0.62	0.58	-1.48	-60.2	-14.2		
3,733.0	7.30	301.01	3,707.5	122.9	-306.7	0.97	-0.91	2.67	-61.9	-14.2		
3,829.0	7.18	289.20	3,802.7	128.0	-317.6	1.55	-0.12	-12.30	-57.5	-28.2		
3,924.0	6.46	285.98	3,897.0	131.5	-328.3	0.86	-0.76	-3.39	-55.0	-31.5		
4,019.0	7.21	279.55	3,991.4	133.9	-339.4	1.13	0.79	-6.77	-50.5	-36.5		
4,115.0	7.51	275.22	4,086.6	135.5	-351.6	0.66	0.31	-4.51	-47.9	-38.2		
4,211.0	6.47	274.75	4,181.9	136.5	-363.2	1.08	-1.08	-0.49	-47.4	-36.1		
4,306.0	5.46	274.84	4,276.3	137.3	-373.0	1.06	-1.06	0.09	-45.5	-33.5		
4,497.0	5.94	282.93	4,466.4	140.3	-391.7	0.49	0.25	4.24	-44.3	-23.9		
4,687.0	5.08	276.29	4,655.5	143.4	-409.7	0.56	-0.45	-3.49	-35.7	-25.6		
4,783.0	5.42	275.27	4,751.1	144.3	-418.4	0.37	0.35	-1.06	-32.1	-23.8		
4,878.0	4.07	266.93	4,845.8	144.5	-426.2	1.59	-1.42	-8.78	-24.7	-24.7		
5,069.0	5.20	274.26	5,036.2	144.8	-441.6	0.67	0.59	3.84	-19.3	-15.2		
5,165.0	4.73	252.44	5,131.8	144.0	-449.7	2.01	-0.49	-22.73	-10.2	-16.0		
5,261.0	6.58	260.58	5,227.3	141.9	-458.9	2.10	1.93	8.48	-10.9	-8.5		
5,356.0	10.50	269.45	5,321.3	140.9	-473.0	4.34	4.13	9.34	-14.6	-2.3		
5,452.0	11.21	267.09	5,415.6	140.3	-491.0	0.87	0.74	-2.46	-21.1	0.9		



Final PVA



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5,547.0	10.76	280.19	5,508.8	141.4	-509.0	2.66	-0.47	13.79	-26.3	9.1	
5,643.0	10.78	278.56	5,603.1	144.4	-526.7	0.32	0.02	-1.70	-32.5	9.9	
5,738.0	10.12	286.84	5,696.6	148.1	-543.5	1.72	-0.69	8.72	-35.9	15.7	
5,833.0	10.75	299.86	5,790.0	154.9	-559.1	2.56	0.66	13.71	-36.8	22.5	
5,929.0	11.50	297.32	5,884.2	163.8	-575.4	0.93	0.78	-2.65	-44.3	18.2	
6,024.0	11.37	294.73	5,977.3	172.0	-592.3	0.56	-0.14	-2.73	-52.0	14.2	
6,119.0	10.82	292.32	6,070.6	179.3	-609.1	0.76	-0.58	-2.54	-58.9	10.4	
6,215.0	10.55	305.45	6,164.9	187.9	-624.6	2.55	-0.28	13.68	-61.1	21.6	
6,311.0	10.69	306.42	6,259.3	198.2	-638.9	0.24	0.15	1.01	-67.0	18.7	
6,406.0	10.40	305.22	6,352.7	208.4	-653.0	0.38	-0.31	-1.26	-73.4	13.3	
6,502.0	10.25	303.37	6,447.1	218.1	-667.2	0.38	-0.16	-1.93	-79.3	7.2	
6,597.0	10.19	301.35	6,540.6	227.1	-681.5	0.38	-0.06	-2.13	-84.8	1.1	
6,692.0	7.47	304.83	6,634.5	235.0	-693.7	2.92	-2.86	3.66	-87.7	3.0	
6,788.0	4.88	296.80	6,729.9	240.4	-702.5	2.84	-2.70	-8.36	-85.5	-12.2	
6,883.0	1.98	288.70	6,824.7	242.8	-707.6	3.09	-3.05	-8.53	-76.4	-25.1	
6,979.0	1.78	289.19	6,920.7	243.8	-710.6	0.21	-0.21	0.51	-67.6	-24.9	
7,074.0	1.95	291.56	7,015.6	244.9	-713.5	0.20	0.18	2.49	-59.6	-23.0	
7,170.0	1.85	286.91	7,111.6	245.9	-716.5	0.19	-0.10	-4.84	-48.5	-27.9	
7,362.0	1.73	271.81	7,303.5	246.9	-722.4	0.25	-0.06	-7.86	-21.9	-34.0	
7,457.0	1.67	265.43	7,398.4	246.9	-725.2	0.21	-0.06	-6.72	-10.3	-32.3	
7,553.0	1.79	259.09	7,494.4	246.5	-728.1	0.24	0.12	-6.60	-2.3	-29.5	
7,649.0	1.90	255.27	7,590.3	245.8	-731.1	0.17	0.11	-3.98	1.0	-27.0	
7,744.0	2.18	249.79	7,685.3	244.8	-734.3	0.36	0.29	-5.77	1.7	-25.8	
7,935.0	1.89	248.16	7,876.2	242.3	-740.6	0.15	-0.15	-0.85	-4.3	-25.8	
8,030.0	1.60	244.85	7,971.1	241.2	-743.3	0.32	-0.31	-3.48	-5.7	-26.1	
8,126.0	1.46	239.52	8,067.1	240.0	-745.5	0.21	-0.15	-5.55	-5.8	-26.6	
8,317.0	1.42	223.54	8,258.0	237.0	-749.3	0.21	-0.02	-8.37	-3.0	-27.9	



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #503H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3517.0usft
Site:	Durango 2 State	MD Reference:	KB = 26' @ 3517.0usft
Well:	#503H	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)		
8,412.0	1.31	212.56	8,353.0	235.3	-750.7	0.30	-0.12	-11.56	0.1	-28.2		
8,507.0	1.32	200.04	8,448.0	233.3	-751.6	0.30	0.01	-13.18	4.1	-27.7		
8,603.0	1.60	196.65	8,543.9	231.0	-752.4	0.31	0.29	-3.53	3.3	-27.5		
8,699.0	1.71	197.08	8,639.9	228.4	-753.2	0.12	0.11	0.45	0.3	-27.5		
8,793.0	1.56	196.22	8,733.9	225.8	-754.0	0.16	-0.16	-0.91	-2.0	-27.5		
8,889.0	1.66	191.44	8,829.8	223.2	-754.6	0.17	0.10	-4.98	-2.4	-27.7		
8,984.0	1.72	191.09	8,924.8	220.4	-755.1	0.06	0.06	-0.37	-5.0	-27.7		
9,080.0	1.66	183.96	9,020.7	217.6	-755.5	0.23	-0.06	-7.43	-4.3	-28.3		
9,175.0	1.66	184.52	9,115.7	214.9	-755.7	0.02	0.00	0.59	-7.4	-28.2		
9,271.0	1.35	185.72	9,211.7	212.4	-755.9	0.32	-0.32	1.25	-10.5	-28.0		
9,367.0	0.97	192.71	9,307.6	210.5	-756.2	0.42	-0.40	7.28	-15.7	-26.4		
9,462.0	0.51	174.57	9,402.6	209.2	-756.4	0.54	-0.48	-19.09	-7.9	-30.3		
9,558.0	0.74	177.80	9,498.6	208.2	-756.3	0.24	0.24	3.36	-10.7	-29.7		
9,654.0	0.73	147.67	9,594.6	207.1	-756.0	0.40	-0.01	-31.39	4.6	-31.4		
9,749.0	0.78	167.09	9,689.6	205.9	-755.5	0.27	0.05	20.44	-7.4	-30.9		
9,845.0	1.20	144.43	9,785.6	204.5	-754.8	0.59	0.44	-23.60	3.5	-31.6		
10,036.0	1.11	148.91	9,976.6	201.3	-752.6	0.07	-0.05	2.35	-2.8	-31.6		
10,132.0	0.74	119.90	10,072.5	200.2	-751.6	0.61	-0.39	-30.22	11.4	-29.5		
10,228.0	0.70	128.36	10,168.5	199.5	-750.6	0.12	-0.04	8.81	5.8	-30.7		
10,324.0	1.08	123.77	10,264.5	198.6	-749.4	0.40	0.40	-4.78	6.7	-30.2		
10,412.0	1.45	120.40	10,352.5	197.6	-747.8	0.43	0.42	-3.83	6.6	-29.8		
10,480.0	4.26	154.59	10,420.4	194.9	-745.9	4.66	4.13	50.28	-14.5	-27.9		
KOP, MD:10480.0', TVD:10420.4',N/S:194.9', E/W:-745.9', INC:4.26												
10,506.0	5.44	157.88	10,446.3	192.9	-745.1	4.66	4.54	12.65	-17.6	-26.6		
10,602.0	15.38	179.25	10,540.7	175.9	-743.2	10.94	10.35	22.26	-29.4	-16.6		
10,625.5	17.08	182.59	10,563.2	169.3	-743.3	8.25	7.23	14.20	-31.0	-15.1		
FTP Crossing, MD:10625.5', TVD:10563.2',N/S:169.3', E/W:-743.3', INC:17.08												



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #503H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3517.0usft
Site:	Durango 2 State	MD Reference:	KB = 26' @ 3517.0usft
Well:	#503H	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)		
10,698.0	22.56	189.71	10,631.4	144.9	-746.1	8.25	7.56	9.82	-33.1	-14.4		
10,793.0	26.66	182.33	10,717.8	105.7	-750.1	5.39	4.32	-7.77	-24.7	-22.9		
10,889.0	38.57	180.39	10,798.5	54.0	-751.1	12.45	12.41	-2.02	-14.6	-25.0		
10,984.0	54.65	179.56	10,863.5	-14.8	-751.0	16.94	16.93	-0.87	-11.9	-25.5		
11,080.0	62.06	177.64	10,913.9	-96.4	-749.0	7.90	7.72	-2.00	-12.4	-24.2		
11,175.0	66.86	179.16	10,954.8	-182.1	-746.6	5.25	5.05	1.60	-7.5	-22.2		
11,270.0	79.67	178.85	10,982.1	-272.9	-745.0	13.49	13.48	-0.33	-1.1	-21.1		
11,366.0	89.90	175.78	10,990.8	-368.2	-740.5	11.12	10.66	-3.20	1.9	-17.2		
11,461.0	86.81	175.61	10,993.6	-462.9	-733.4	3.26	-3.25	-0.18	4.6	-10.6		
11,557.0	91.02	178.72	10,995.4	-558.7	-728.7	5.45	4.39	3.24	6.4	-6.5		
11,652.0	91.00	178.50	10,993.7	-653.7	-726.4	0.23	-0.02	-0.23	4.7	-4.9		
11,747.0	91.47	178.13	10,991.7	-748.6	-723.6	0.63	0.49	-0.39	2.7	-2.7		
11,843.0	91.64	178.12	10,989.1	-844.5	-720.4	0.18	0.18	-0.01	0.1	-0.2		
11,939.0	89.03	177.55	10,988.5	-940.5	-716.8	2.78	-2.72	-0.59	-0.5	2.8		
12,035.0	88.86	177.33	10,990.3	-1,036.3	-712.5	0.29	-0.18	-0.23	1.3	6.4		
12,130.0	87.60	176.92	10,993.2	-1,131.2	-707.8	1.39	-1.33	-0.43	4.2	10.5		
12,226.0	88.64	180.73	10,996.3	-1,227.1	-705.8	4.11	1.08	3.97	7.4	11.9		
12,321.0	88.75	181.51	10,998.5	-1,322.0	-707.7	0.83	0.12	0.82	9.5	9.4		
12,417.0	90.57	181.01	10,999.1	-1,418.0	-709.8	1.97	1.90	-0.52	10.1	6.6		
12,512.0	91.98	181.60	10,997.0	-1,513.0	-711.9	1.61	1.48	0.62	8.0	3.8		
12,608.0	92.23	181.10	10,993.4	-1,608.9	-714.2	0.58	0.26	-0.52	5.3	0.9		
12,703.0	90.77	181.04	10,991.0	-1,703.8	-716.0	1.54	-1.54	-0.06	3.7	-1.5		
12,799.0	90.55	180.30	10,989.8	-1,799.8	-717.1	0.80	-0.23	-0.77	3.5	-3.3		
12,894.0	90.18	179.97	10,989.2	-1,894.8	-717.3	0.52	-0.39	-0.35	3.8	-4.1		
12,990.0	90.27	179.42	10,988.9	-1,990.8	-716.8	0.58	0.09	-0.57	4.3	-4.3		
13,086.0	90.24	178.43	10,988.4	-2,086.8	-715.0	1.03	-0.03	-1.03	4.8	-3.1		
13,181.0	90.58	178.51	10,987.8	-2,181.7	-712.5	0.37	0.36	0.08	5.0	-1.2		



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #503H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3517.0usft
Site:	Durango 2 State	MD Reference:	KB = 26' @ 3517.0usft
Well:	#503H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	PEDM

Survey												
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)		
13,276.0	89.57	179.19	10,987.6	-2,276.7	-710.6	1.28	-1.06	0.72	5.8	0.1		
13,372.0	90.24	178.64	10,987.8	-2,372.7	-708.7	0.90	0.70	-0.57	6.8	1.2		
13,467.0	88.70	178.40	10,988.7	-2,467.7	-706.3	1.64	-1.62	-0.25	8.6	3.0		
13,563.0	90.10	178.04	10,989.7	-2,563.6	-703.3	1.51	1.46	-0.37	10.5	5.4		
13,658.0	89.54	178.48	10,990.0	-2,658.6	-700.4	0.75	-0.59	0.46	11.7	7.6		
13,754.0	89.71	178.90	10,990.6	-2,754.5	-698.2	0.47	0.18	0.44	13.2	9.2		
13,849.0	86.87	179.25	10,993.4	-2,849.5	-696.7	3.01	-2.99	0.37	17.0	10.1		
13,945.0	87.72	179.03	10,998.0	-2,945.4	-695.2	0.91	0.89	-0.23	22.4	10.9		
14,040.0	88.14	177.98	11,001.4	-3,040.3	-692.8	1.19	0.44	-1.11	26.5	12.7		
14,135.0	88.86	176.62	11,003.9	-3,135.1	-688.3	1.62	0.76	-1.43	28.7	16.5		
14,230.0	90.13	178.57	11,004.7	-3,230.0	-684.3	2.45	1.34	2.05	29.2	19.9		
14,326.0	91.22	181.53	11,003.6	-3,326.0	-684.4	3.29	1.14	3.08	27.7	19.2		
14,421.0	93.68	181.84	10,999.5	-3,420.9	-687.2	2.61	2.59	0.33	23.3	15.8		
14,517.0	91.47	180.77	10,995.2	-3,516.7	-689.4	2.56	-2.30	-1.11	18.7	12.9		
14,612.0	91.98	180.01	10,992.4	-3,611.7	-690.0	0.96	0.54	-0.80	15.5	11.6		
14,708.0	92.37	180.21	10,988.7	-3,707.6	-690.2	0.46	0.41	0.21	11.5	10.8		
14,804.0	92.43	179.80	10,984.7	-3,803.5	-690.2	0.43	0.06	-0.43	7.1	10.2		
14,900.0	90.52	179.79	10,982.2	-3,899.5	-689.9	1.99	-1.99	-0.01	4.3	9.9		
14,996.0	91.14	180.18	10,980.8	-3,995.5	-689.8	0.76	0.65	0.41	2.6	9.3		
15,091.0	91.78	179.97	10,978.4	-4,090.5	-690.0	0.71	0.67	-0.22	-0.1	8.5		
15,187.0	90.32	179.42	10,976.7	-4,186.4	-689.5	1.63	-1.52	-0.57	-2.2	8.4		
15,283.0	89.03	180.31	10,977.2	-4,282.4	-689.2	1.63	-1.34	0.93	-2.0	8.0		
15,379.0	89.54	179.48	10,978.4	-4,378.4	-689.0	1.01	0.53	-0.86	-1.2	7.5		
15,475.0	90.41	179.16	10,978.4	-4,474.4	-687.9	0.97	0.91	-0.33	-1.5	8.0		
15,571.0	88.44	177.44	10,979.4	-4,570.4	-685.1	2.72	-2.05	-1.79	-1.3	10.2		
15,667.0	88.64	176.82	10,981.9	-4,666.2	-680.3	0.68	0.21	-0.65	-0.2	14.3		



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #503H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3517.0usft
Site:	Durango 2 State	MD Reference:	KB = 26' @ 3517.0usft
Well:	#503H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	PEDM

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)
15,763.0	88.70	177.46	10,984.1	-4,762.1	-675.5	0.67	0.06	0.67	0.8	18.5
Last MWD Survey (MD=15763.0')										
15,895.0	88.70	177.46	10,987.1	-4,893.9	-669.6	0.00	0.00	0.00	2.1	23.4
Projection to Bit (MD=15895.0')										

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,480.0	10,420.4	194.9	-745.9	KOP, MD:10480.0', TVD:10420.4',N/S:194.9', E/W:-745.9', INC:4.26
10,625.5	10,563.2	169.3	-743.3	FTP Crossing, MD:10625.5', TVD:10563.2',N/S:169.3', E/W:-743.3', INC:17.08
15,763.0	10,984.1	-4,762.1	-675.5	Last MWD Survey (MD=15763.0')
15,895.0	10,987.1	-4,893.9	-669.6	Projection to Bit (MD=15895.0')

Checked By: _____ Approved By: _____ Date: _____

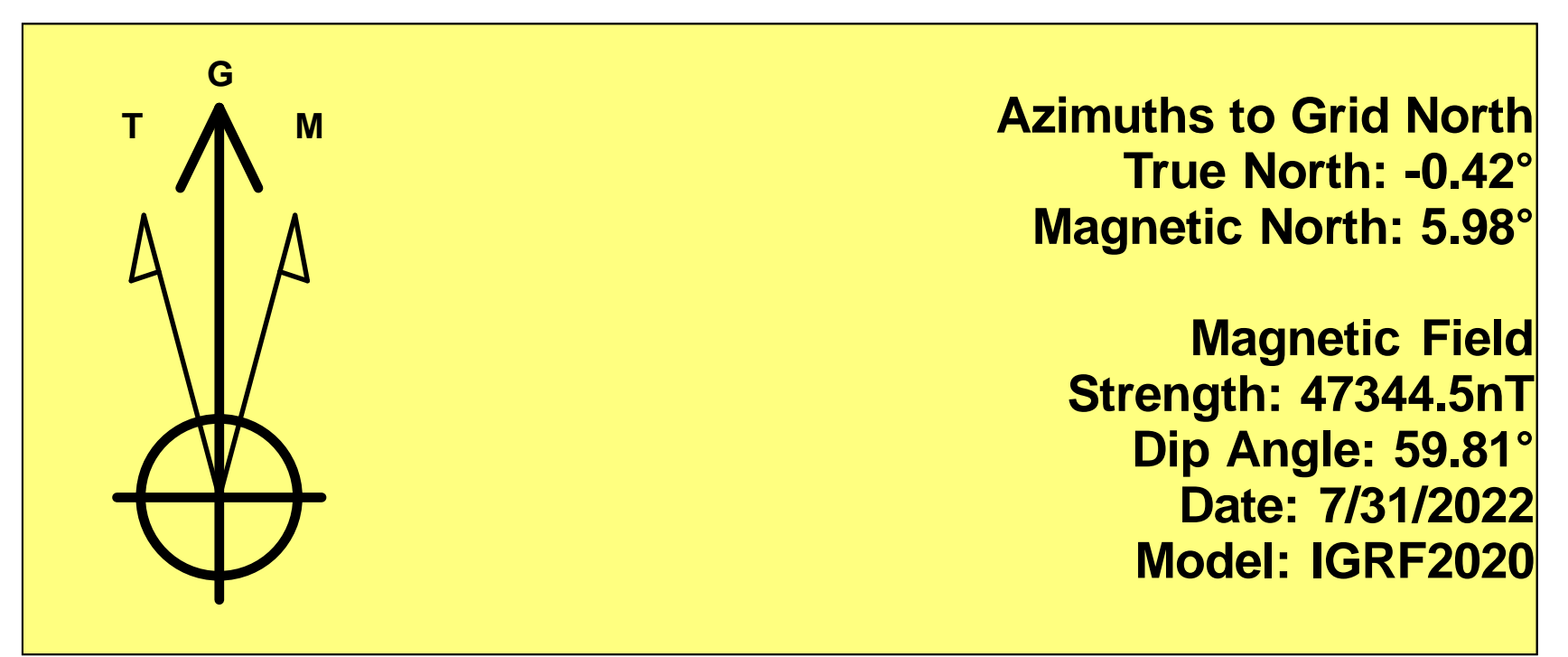
I CERTIFY THIS SURVEY TO BE TRUE AND CORRECT TO THE BEST OF MY BELIEF AND KNOWLEDGE
 KAY MADDOX 11/10/2022



Lea County, NM (NAD 83 NME)

Durango 2 State #503H

OH



To convert a Magnetic Direction to a Grid Direction, Add 5.98°
 To convert a Magnetic Direction to a True Direction, Add 6.40° East
 To convert a True Direction to a Grid Direction, Subtract 0.42°

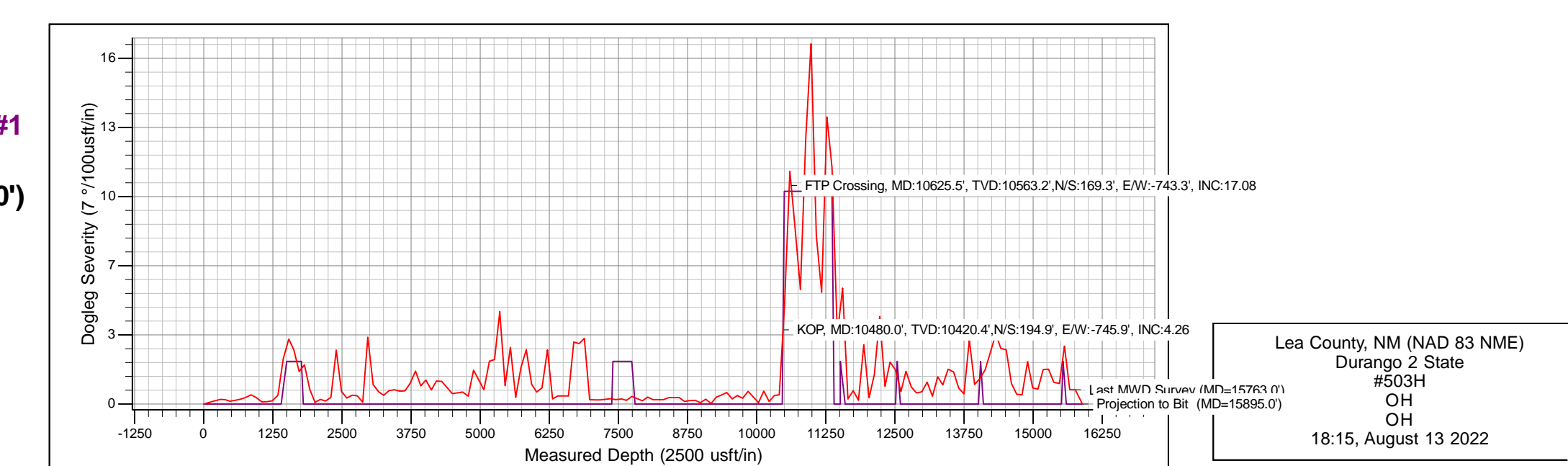
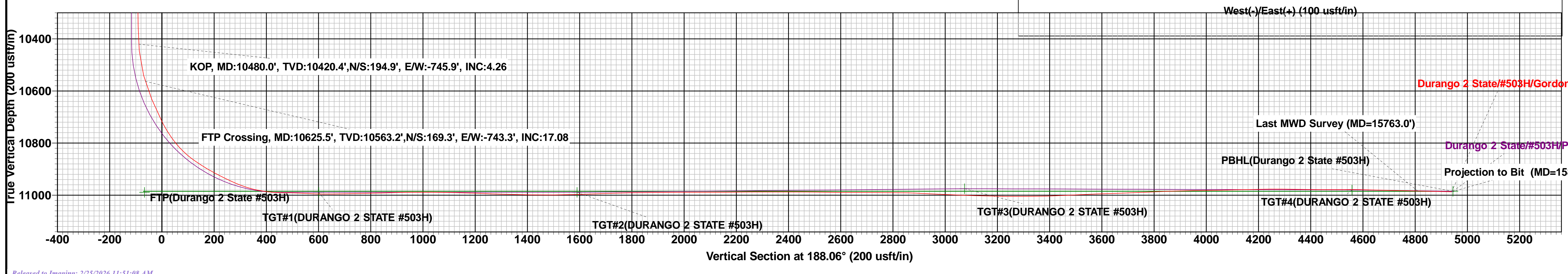
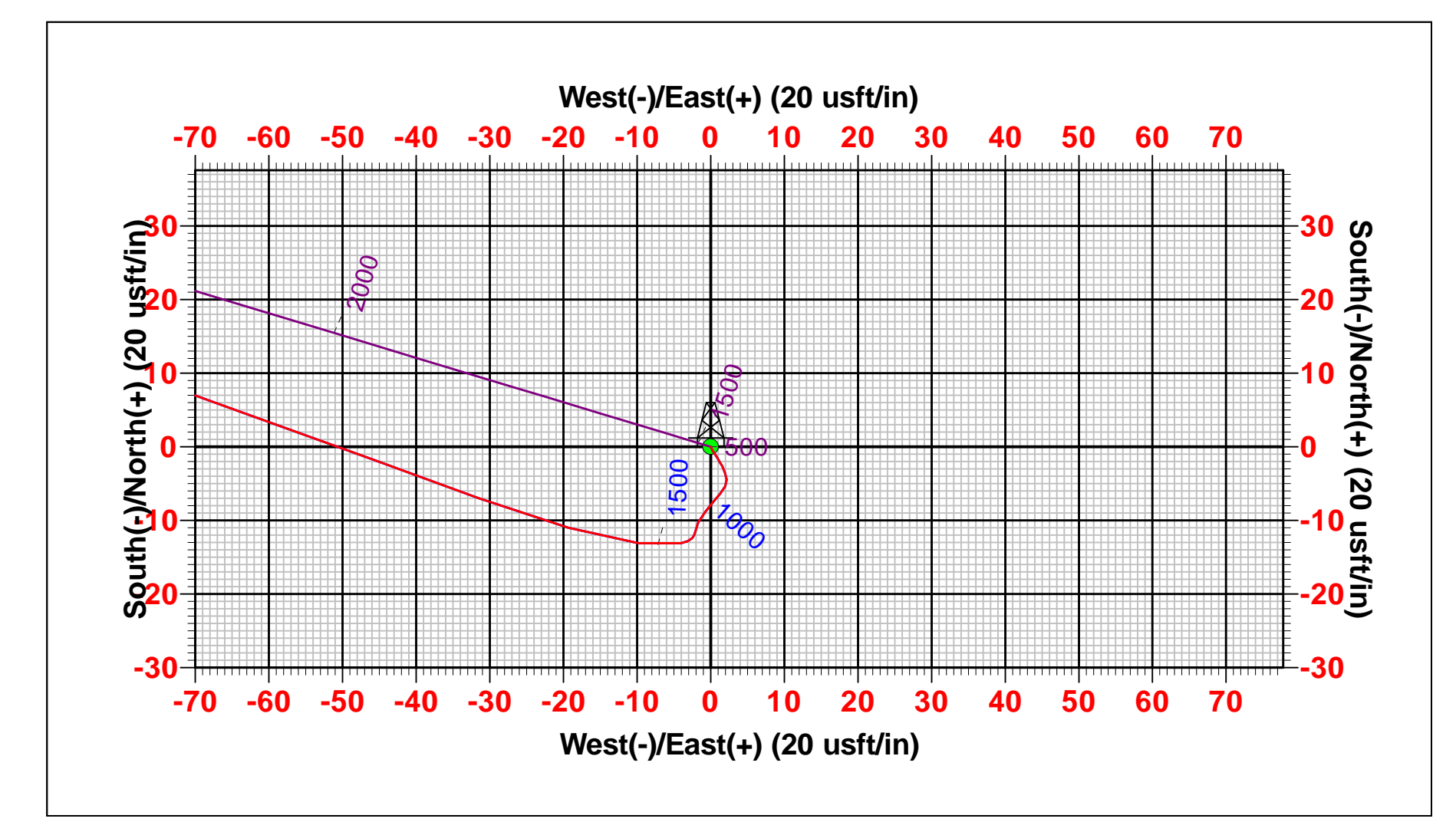
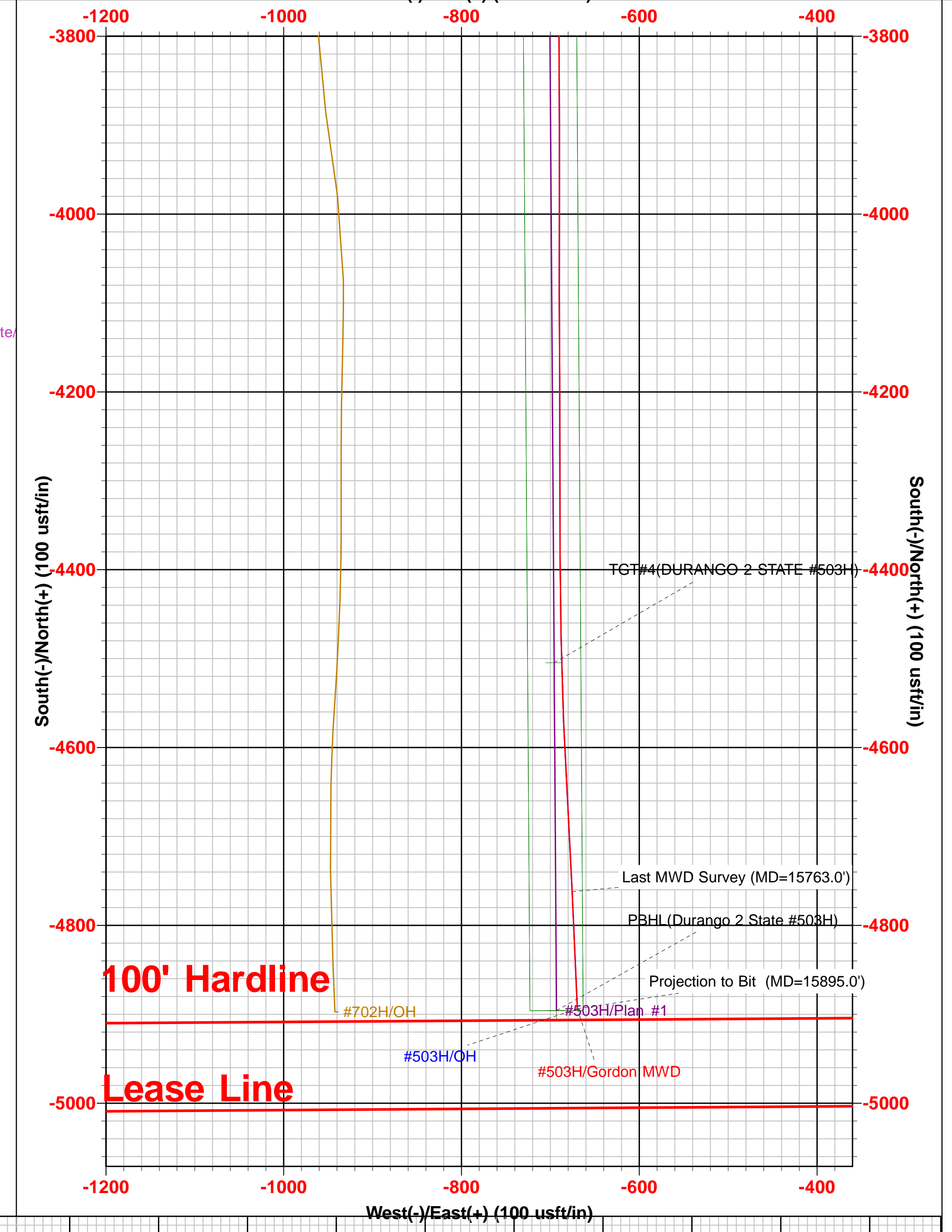
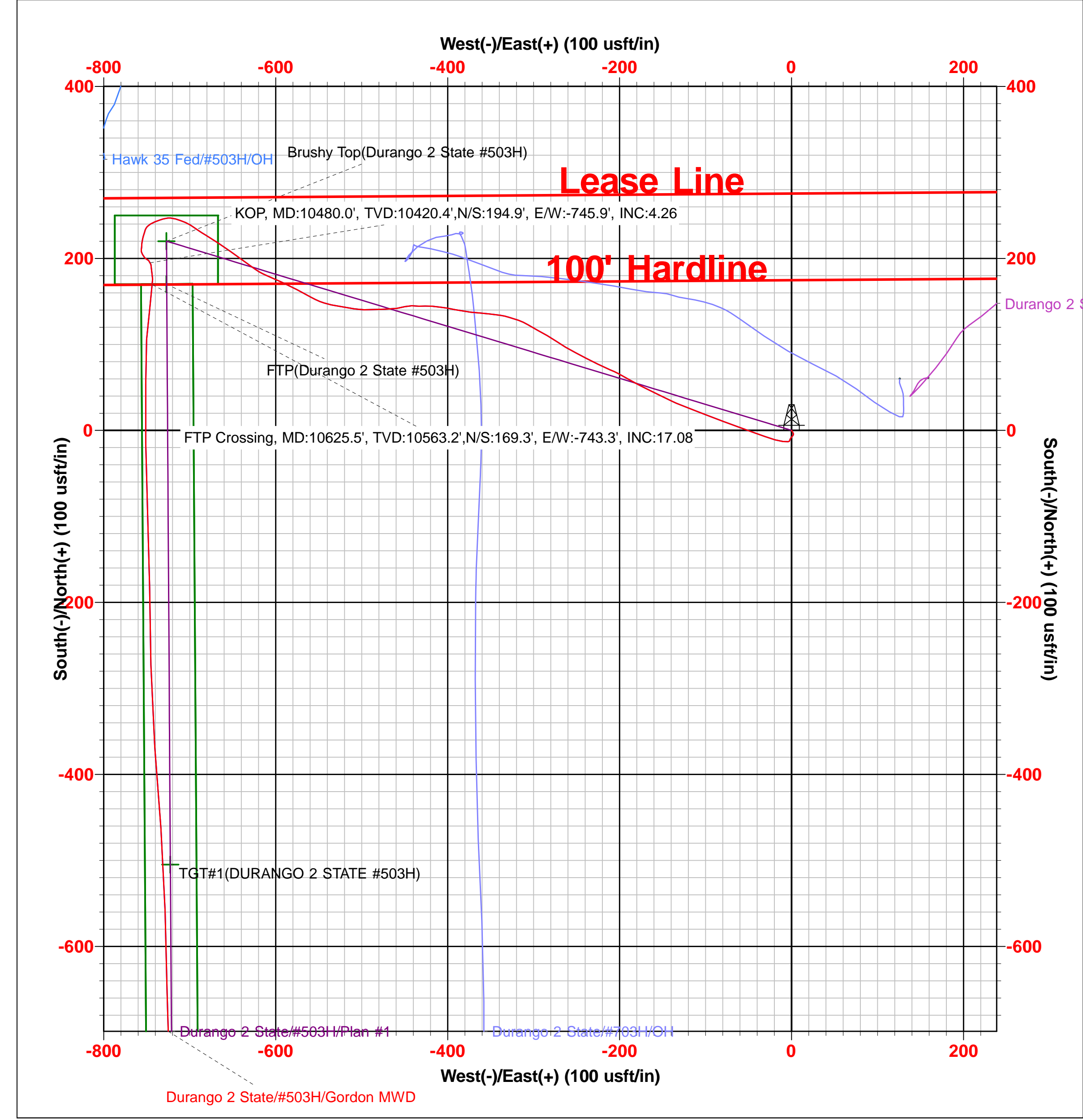
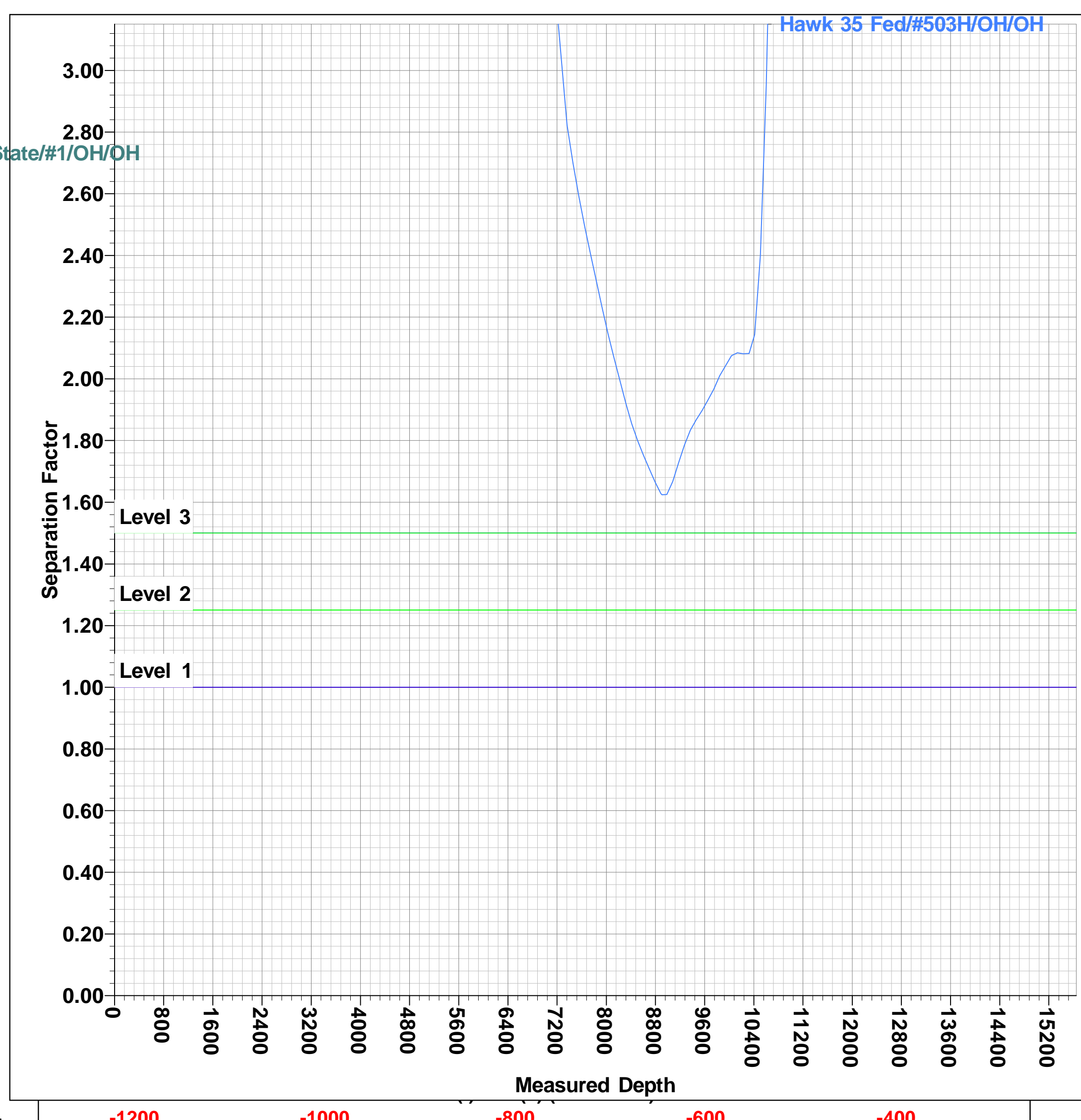
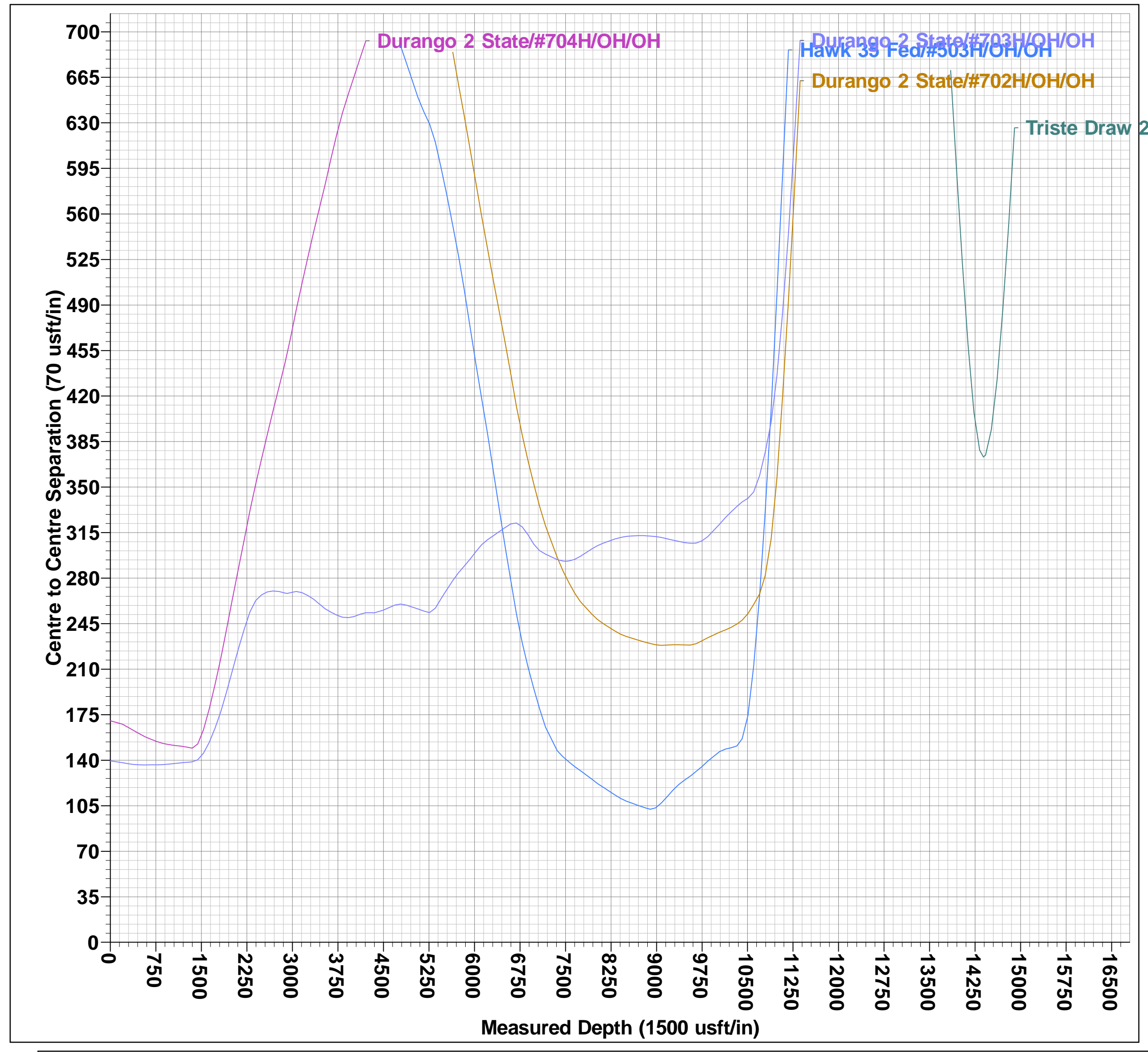
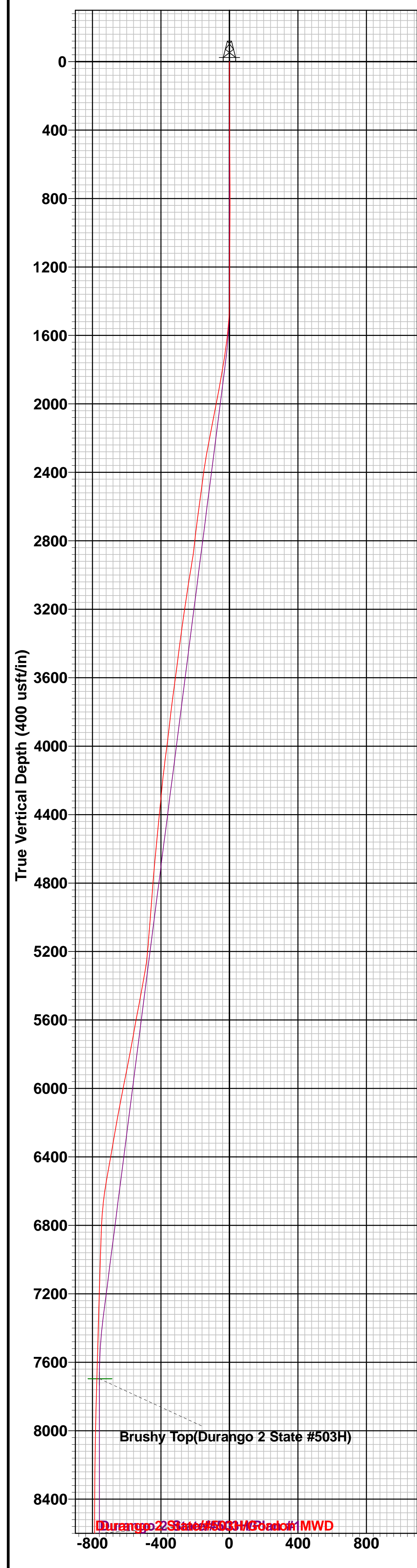
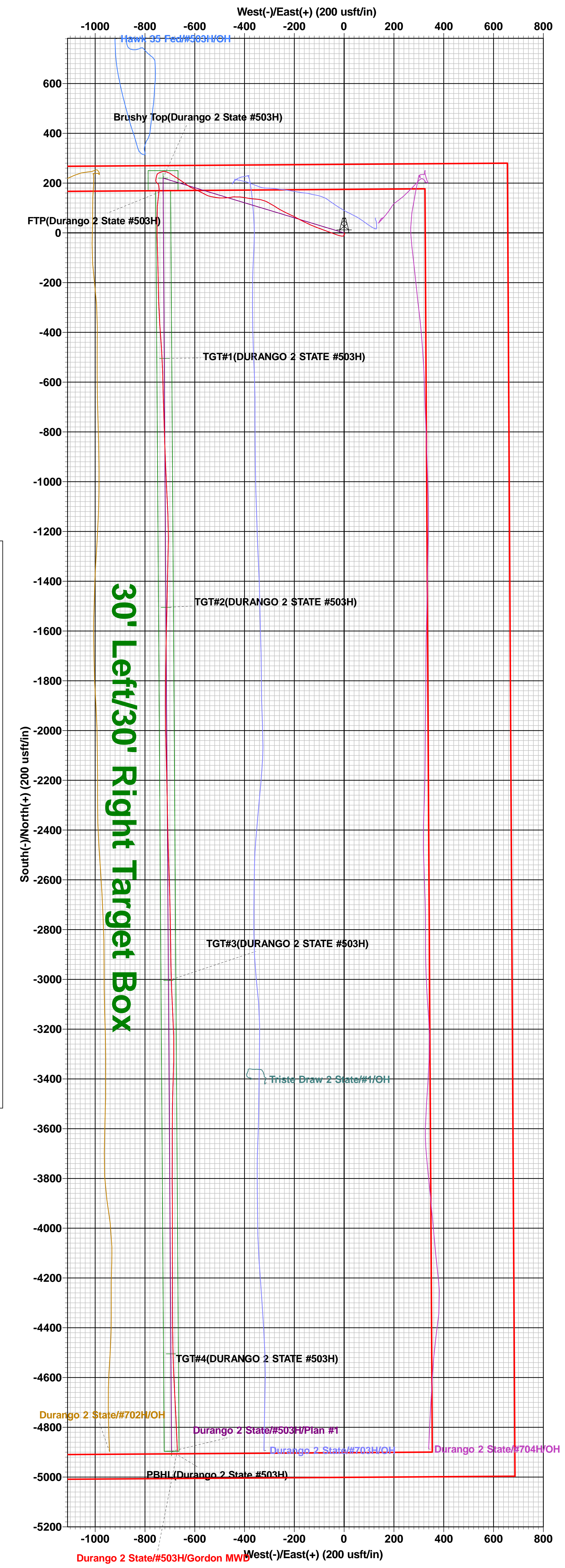
PROJECT DETAILS: Lea County, NM (NAD 83 NME)

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: #503H

KB = 26' @ 3517.0usft 3491.0

Northing 425045.00 **Easting** 785201.00 **Latitude** 32° 9' 57.860 N **Longitude** 103° 32' 42.841 W



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. 30-025-50342
		2. Type of Lease <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> FED/INDIAN
		3. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing: <input checked="" type="checkbox"/> COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) <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)	5. Lease Name or Unit Agreement Name DURANGO 2 STATE 6. Well Number: 503H
---	--

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
RED HILLS; 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	2	25S	33E		276	NORTH	1986	WEST	LEA
BH:	M	2	25S	33E		110	SOUTH	1284	WEST	LEA

13. Date Spudded 07/23/2022	14. Date T.D. Reached 08/08/2022	15. Date Rig Released 08/08/2022	16. Date Completed (Ready to Produce) 10/09/2022	17. Elevations (DF and RKB, RT, GR, etc.) 3491' GL
18. Total Measured Depth of Well MD 15,895' TVD 10,987'	19. Plug Back Measured Depth MD 15,868' TVD 10,987'	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 11,244 - 15,868'

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10 3/4"	40.5# J-55	1342'	12 1/4"	575 CL C/CIRC	
8 3/4"	38.5# ICYP 110	5142'	9 7/8"	655 CL C/ CIRC	
5 1/2"	20# ECP 110	15,876'	6 3/4"	720 CL C&H TOC SURF	

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number) 11,244 - 15,868' 3 1/8", 966 holes	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 11,244 - 15,868' FRAC W/10,861,796 lbs proppant, 175,461 bbls load fld
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28. PRODUCTION

Date First Production 10/09/2022	Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) FLOWING	Well Status (<i>Prod. or Shut-in</i>) Producing
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Date of Test 10/14/2022	Hours Tested 24	Choke Size 128	Prod'n For Test Period	Oil - Bbl 2105	Gas - MCF 2996	Water - Bbl. 6938	Gas - Oil Ratio 1423
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Flow Tubing Press.	Casing Pressure 508	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (<i>Corr.</i>) 46
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29. Disposition of Gas (*Sold, used for fuel, vented, etc.*)
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 **10/21/2022**
 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 1205'</u>	T. Canyon <u>Brushy 7696'</u>	T. Ojo Alamo _____	T. Penn A" _____
T. Salt <u>1274'</u>	T. Strawn _____	T. Kirtland _____	T. Penn. "B" _____
B. Salt <u>5166'</u>	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. <u>1st BS Sand 10,260'</u>	T. Entrada _____	
T. Wolfcamp _____	T. _____	T. Wingate _____	
T. Penn _____	T. _____	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 152622

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 152622
	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

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CONDITIONS

Action 152622

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 152622
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	2/25/2026