

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 - 025-50344	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 505H

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	2	25S	33E		276	NORTH	2052	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
N	2	25S	33E		110	SOUTH	2162	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 07/23/2022	²² Ready Date 10/09/2022	²³ TD 15,905'	²⁴ PBDT 15,876'	²⁵ Perforations 11,150 - 15,876'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
13 1/2"	10 3/4"	1342'	570 SXS CL C/CIRC		
9 7/8"	8 3/4"	5151'	655 SXS CL C/CIRC		
6 3/4"	5 1/2"	15,884'	720 SXS CL C&H TOC SURFACE		

V. Well Test Data

³¹ Date New Oil 10/09/2022	³² Gas Delivery Date 10/09/2022	³³ Test Date 10/14/2022	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 467
³⁷ Choke Size 128	³⁸ Oil 1897	³⁹ Water 6628	⁴⁰ Gas 2770		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: 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 30-025-50344		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 505H
⁷ OGRID No. 7377		⁸ Operator Name EOG RESOURCES, INC.			⁹ Elevation 3491'

¹⁰Surface Location

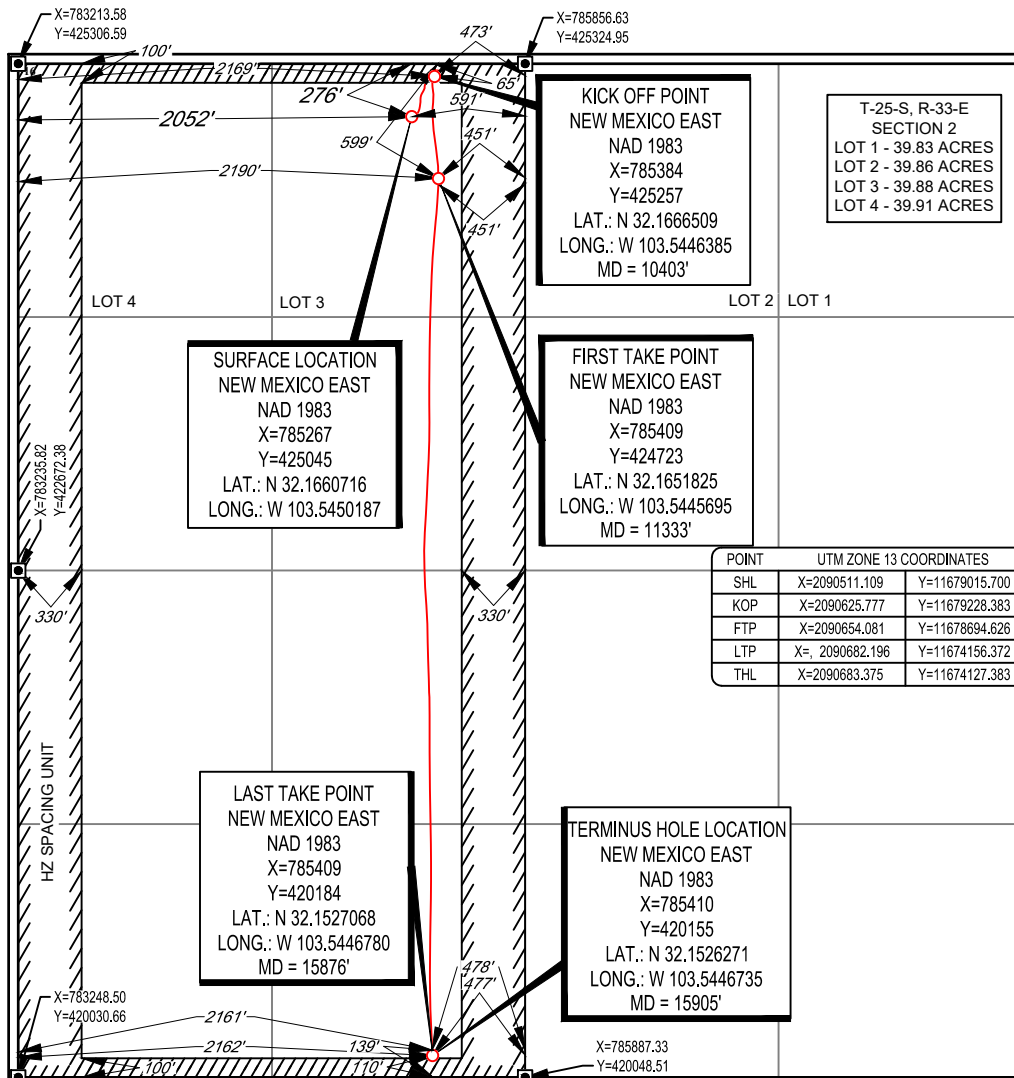
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	2	25-S	33-E	-	276'	NORTH	2052'	WEST	LEA

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
N	2	25-S	33-E	-	110'	SOUTH	2162'	WEST	LEA

¹² Dedicated Acres 319.61	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 10/12/2022
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.

07/21/2022
Date of Survey

Ramon A. Dominguez
Signature and Seal of Professional Surveyor

24508
Certificate Number



Midland

Lea County, NM (NAD 83 NME)

Durango 2 State

#505H

OH

Survey: Gordon MWD

Final PVA

26 August, 2022





Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #505H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3517.0usft
Site:	Durango 2 State	MD Reference:	KB = 26' @ 3517.0usft
Well:	#505H	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	#505H					
Well Position	+N/-S	0.0 usft	Northing:	425,045.00 usft	Latitude:	32° 9' 57.855 N
	+E/-W	0.0 usft	Easting:	785,268.00 usft	Longitude:	103° 32' 42.062 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	8/20/2022	6.39	59.81	47,338.81310783

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:		Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
		0.0	0.0	0.0	178.59

Survey Program	Date	8/26/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
200.0	15,905.0	Gordon MWD (OH)	EOG MWD+IFR1	MWD + IFR1	



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #505H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3517.0usft
Site:	Durango 2 State	MD Reference:	KB = 26' @ 3517.0usft
Well:	#505H	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
200.0	0.71	94.81	200.0	-0.1	1.2	0.35	0.35	0.00	-1.2	0.0	
298.0	0.74	105.46	298.0	-0.3	2.4	0.14	0.03	10.87	-2.4	0.3	
387.0	0.72	105.23	387.0	-0.6	3.5	0.02	-0.02	-0.26	-3.6	0.3	
477.0	0.64	97.43	477.0	-0.8	4.6	0.14	-0.09	-8.67	-4.7	-0.2	
576.0	0.50	104.34	576.0	-1.0	5.6	0.16	-0.14	6.98	-5.6	0.4	
671.0	0.30	166.31	671.0	-1.4	6.0	0.47	-0.21	65.23	-2.7	5.5	
767.0	0.49	196.95	767.0	-2.0	6.0	0.29	0.20	31.92	-0.2	6.3	
863.0	0.61	213.23	863.0	-2.8	5.6	0.20	0.12	16.96	0.7	6.2	
959.0	0.73	219.33	959.0	-3.7	4.9	0.15	0.12	6.35	0.2	6.1	
1,054.0	0.91	222.77	1,053.9	-4.7	4.0	0.20	0.19	3.62	-0.8	6.1	
1,150.0	0.93	214.13	1,149.9	-5.9	3.0	0.15	0.02	-9.00	-3.2	5.8	
1,245.0	0.99	196.16	1,244.9	-7.4	2.4	0.32	0.06	-18.92	-6.4	4.3	
1,440.0	0.92	199.05	1,439.9	-10.5	1.4	0.04	-0.04	1.48	-10.3	4.7	
1,535.0	1.45	42.67	1,534.9	-10.3	2.0	2.44	0.56	-164.61	10.6	-10.2	
1,631.0	5.03	52.92	1,630.7	-6.9	6.1	3.76	3.73	10.68	8.8	-15.1	
1,726.0	5.75	52.90	1,725.3	-1.5	13.3	0.76	0.76	-0.02	5.5	-18.7	
1,822.0	7.46	42.39	1,820.7	6.0	21.3	2.17	1.78	-10.95	4.2	-20.7	
1,917.0	8.33	39.30	1,914.8	15.9	29.8	1.02	0.92	-3.25	-1.4	-22.9	
2,013.0	7.29	19.88	2,009.9	27.0	36.3	2.94	-1.08	-20.23	0.3	-24.3	
2,109.0	7.89	12.71	2,105.0	39.2	39.8	1.17	0.62	-7.47	-2.7	-23.9	
2,204.0	7.52	10.80	2,199.2	51.6	42.4	0.47	-0.39	-2.01	-8.1	-23.0	
2,300.0	7.40	6.27	2,294.4	63.9	44.3	0.63	-0.12	-4.72	-12.2	-22.4	
2,396.0	7.40	3.33	2,389.6	76.3	45.3	0.39	0.00	-3.06	-16.9	-21.3	
2,491.0	7.33	1.40	2,483.8	88.4	45.8	0.27	-0.07	-2.03	-22.1	-19.8	
2,587.0	7.28	1.92	2,579.0	100.6	46.2	0.09	-0.05	0.54	-28.1	-17.4	
2,682.0	6.14	23.25	2,673.4	111.3	48.4	2.86	-1.20	22.45	-36.5	-4.1	



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #505H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3517.0usft
Site:	Durango 2 State	MD Reference:	KB = 26' @ 3517.0usft
Well:	#505H	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)		
2,777.0	6.51	31.27	2,767.8	120.6	53.2	1.01	0.39	8.44	-40.6	0.5		
2,873.0	6.94	27.28	2,863.1	130.4	58.6	0.66	0.45	-4.16	-45.1	-3.4		
2,969.0	6.77	26.33	2,958.4	140.6	63.8	0.21	-0.18	-0.99	-49.8	-4.9		
3,064.0	4.43	5.17	3,053.0	149.3	66.6	3.25	-2.46	-22.27	-47.1	-22.7		
3,160.0	3.71	354.83	3,148.8	156.1	66.7	1.07	-0.75	-10.77	-43.0	-28.5		
3,255.0	4.20	16.23	3,243.5	162.5	67.4	1.63	0.52	22.53	-50.1	-9.2		
3,351.0	4.65	28.46	3,339.3	169.3	70.2	1.09	0.47	12.74	-51.5	1.4		
3,447.0	4.92	25.56	3,434.9	176.4	73.8	0.38	0.28	-3.02	-52.8	-1.9		
3,542.0	5.08	31.31	3,529.6	183.7	77.8	0.55	0.17	6.05	-54.4	2.5		
3,638.0	5.25	27.46	3,625.2	191.2	82.0	0.40	0.18	-4.01	-56.4	-2.2		
3,734.0	4.85	30.05	3,720.8	198.6	86.1	0.48	-0.42	2.70	-58.2	-0.5		
3,829.0	4.66	24.14	3,815.5	205.6	89.7	0.55	-0.20	-6.22	-59.1	-7.3		
3,924.0	4.21	22.30	3,910.2	212.4	92.6	0.50	-0.47	-1.94	-59.5	-9.5		
4,020.0	3.96	14.40	4,005.9	218.8	94.7	0.64	-0.26	-8.23	-57.7	-17.3		
4,115.0	3.41	12.13	4,100.7	224.8	96.1	0.60	-0.58	-2.39	-56.5	-18.7		
4,211.0	3.00	12.82	4,196.6	230.0	97.3	0.43	-0.43	0.72	-55.4	-17.0		
4,306.0	2.52	9.85	4,291.5	234.5	98.2	0.53	-0.51	-3.13	-52.4	-18.7		
4,402.0	3.00	4.95	4,387.4	239.1	98.8	0.56	0.50	-5.10	-48.7	-21.4		
4,497.0	2.05	34.49	4,482.3	243.0	100.0	1.66	-1.00	31.09	-50.3	5.0		
4,593.0	3.28	95.24	4,578.2	244.1	103.7	3.02	1.28	63.28	-22.1	41.3		
4,687.0	2.88	98.75	4,672.1	243.5	108.7	0.47	-0.43	3.73	-23.2	36.3		
4,878.0	5.41	121.51	4,862.6	238.1	121.1	1.56	1.32	11.92	-23.0	31.8		
4,974.0	4.75	117.07	4,958.2	233.9	128.5	0.80	-0.69	-4.62	-34.2	26.7		
5,069.0	3.44	108.42	5,052.9	231.2	134.7	1.52	-1.38	-9.11	-44.6	20.4		
5,165.0	2.96	116.19	5,148.8	229.2	139.7	0.67	-0.50	8.09	-46.7	26.6		
5,260.0	0.39	27.50	5,243.7	228.4	142.0	3.13	-2.71	-93.36	-28.0	-48.6		
5,356.0	0.68	335.82	5,339.7	229.2	141.9	0.56	0.30	-53.83	20.0	-52.4		



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #505H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3517.0usft
Site:	Durango 2 State	MD Reference:	KB = 26' @ 3517.0usft
Well:	#505H	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)		
5,451.0	0.68	357.33	5,434.7	230.3	141.7	0.27	0.00	22.64	-1.7	-55.8		
5,547.0	1.04	354.21	5,530.7	231.7	141.6	0.38	0.37	-3.25	-0.1	-55.9		
5,642.0	1.28	356.13	5,625.7	233.7	141.4	0.26	0.25	2.02	-3.9	-55.8		
5,738.0	1.61	358.94	5,721.7	236.1	141.3	0.35	0.34	2.93	-9.0	-55.5		
5,833.0	1.63	353.16	5,816.6	238.7	141.1	0.17	0.02	-6.08	-6.1	-56.3		
5,929.0	2.31	284.43	5,912.6	240.6	139.1	2.39	0.71	-71.59	47.8	-27.4		
6,024.0	3.67	270.11	6,007.5	241.1	134.2	1.62	1.43	-15.07	48.2	-15.2		
6,119.0	3.64	270.58	6,102.3	241.1	128.1	0.04	-0.03	0.49	42.0	-15.6		
6,215.0	3.34	277.51	6,198.1	241.5	122.3	0.54	-0.31	7.22	34.0	-20.1		
6,311.0	2.91	256.63	6,293.9	241.3	117.2	1.26	-0.45	-21.75	33.9	-7.7		
6,502.0	2.66	254.71	6,484.7	239.0	108.2	0.14	-0.13	-1.01	24.8	-6.7		
6,597.0	0.36	197.27	6,579.7	238.1	106.0	2.62	-2.42	-60.46	17.5	15.5		
6,692.0	1.11	78.86	6,674.7	238.0	106.8	1.39	0.79	-124.64	-22.7	7.8		
6,788.0	1.06	77.37	6,770.7	238.4	108.6	0.06	-0.05	-1.55	-24.7	7.2		
6,883.0	1.04	75.75	6,865.6	238.8	110.3	0.04	-0.02	-1.71	-26.7	6.5		
6,983.0	1.06	75.27	6,965.6	239.3	112.0	0.02	0.02	-0.48	-28.5	6.2		
7,074.0	0.84	64.34	7,056.6	239.8	113.4	0.31	-0.24	-12.01	-30.7	0.5		
7,170.0	0.89	46.32	7,152.6	240.6	114.6	0.29	0.05	-18.77	-30.8	-9.2		
7,266.0	0.89	53.42	7,248.6	241.6	115.8	0.11	0.00	7.40	-33.2	-5.2		
7,361.0	0.66	71.84	7,343.6	242.2	116.9	0.35	-0.24	19.39	-34.4	5.7		
7,457.0	0.54	76.14	7,439.6	242.4	117.8	0.13	-0.12	4.48	-34.8	8.3		
7,648.0	0.58	91.67	7,630.6	242.6	119.7	0.08	0.02	8.13	-33.2	17.6		
7,744.0	0.58	133.49	7,726.6	242.3	120.5	0.43	0.00	43.56	-13.8	35.6		
7,839.0	0.87	136.16	7,821.6	241.4	121.4	0.31	0.31	2.81	-13.4	36.2		
7,935.0	1.22	170.24	7,917.5	239.9	122.0	0.73	0.36	35.50	7.6	37.9		
8,030.0	1.31	150.74	8,012.5	238.0	122.7	0.46	0.09	-20.53	-7.5	37.9		
8,126.0	1.28	151.98	8,108.5	236.1	123.8	0.04	-0.03	1.29	-8.9	38.1		



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #505H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3517.0usft
Site:	Durango 2 State	MD Reference:	KB = 26' @ 3517.0usft
Well:	#505H	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)		
8,222.0	1.43	159.30	8,204.5	234.0	124.7	0.24	0.16	7.62	-6.2	39.0		
8,317.0	1.64	141.08	8,299.4	231.8	126.0	0.56	0.22	-19.18	-20.6	34.8		
8,412.0	1.53	134.32	8,394.4	229.9	127.7	0.23	-0.12	-7.12	-27.1	31.9		
8,507.0	1.88	121.87	8,489.4	228.2	130.0	0.53	0.37	-13.11	-36.2	25.1		
8,698.0	1.75	122.34	8,680.3	225.0	135.1	0.07	-0.07	0.25	-42.0	25.4		
8,793.0	1.59	117.21	8,775.2	223.6	137.5	0.23	-0.17	-5.40	-46.9	21.4		
8,889.0	1.57	142.07	8,871.2	221.9	139.5	0.71	-0.02	25.90	-36.1	39.7		
8,984.0	1.15	159.13	8,966.2	220.0	140.6	0.61	-0.44	17.96	-25.1	48.9		
9,079.0	1.32	176.53	9,061.1	218.0	141.0	0.43	0.18	18.32	-11.3	54.4		
9,175.0	1.13	186.66	9,157.1	216.0	141.0	0.30	-0.20	10.55	-3.6	55.8		
9,270.0	0.95	226.95	9,252.1	214.5	140.3	0.77	-0.19	42.41	31.8	45.5		
9,366.0	1.29	250.01	9,348.1	213.6	138.7	0.58	0.35	24.02	45.3	29.7		
9,462.0	0.68	259.02	9,444.1	213.1	137.1	0.65	-0.64	9.39	47.7	22.4		
9,557.0	0.69	286.80	9,539.1	213.2	136.0	0.35	0.01	29.24	51.6	-2.2		
9,653.0	1.32	249.54	9,635.0	213.0	134.4	0.91	0.66	-38.81	40.8	29.2		
9,749.0	1.48	254.96	9,731.0	212.3	132.2	0.22	0.17	5.65	41.1	25.3		
9,845.0	1.62	249.13	9,827.0	211.5	129.7	0.22	0.15	-6.07	35.7	29.2		
9,940.0	1.96	269.51	9,921.9	211.0	126.9	0.75	0.36	21.45	40.7	15.4		
10,036.0	1.65	273.64	10,017.9	211.0	123.8	0.35	-0.32	4.30	38.7	12.5		
10,227.0	1.40	292.98	10,208.8	212.1	119.0	0.30	-0.13	10.13	35.8	-0.1		
10,316.0	0.74	254.04	10,297.8	212.4	117.4	1.06	-0.74	-43.75	26.4	21.7		
10,403.0	1.30	230.21	10,384.8	211.6	116.1	0.79	0.64	-27.39	13.9	30.3		
KOP, MD:10403.0', TVD:10384.8',N/S:211.6', E/W:116.1', INC:1.30												
10,412.0	1.36	228.91	10,393.8	211.5	115.9	0.79	0.72	-14.48	13.0	30.6		
10,506.0	8.03	208.47	10,487.4	205.0	112.0	7.20	7.10	-21.74	-1.7	30.3		
10,602.0	14.98	188.06	10,581.5	186.7	107.0	8.28	7.24	-21.26	-9.8	22.4		



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #505H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3517.0usft
Site:	Durango 2 State	MD Reference:	KB = 26' @ 3517.0usft
Well:	#505H	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)	
10,641.0	17.82	179.84	10,618.9	175.8	106.3	9.39	7.28	-21.06	-10.4	20.1	
FTP Crossing, MD:10641.0', TVD:10618.9', N/S:175.8', E/W:106.3', INC:17.82											
10,697.0	22.31	171.82	10,671.5	156.7	107.9	9.39	8.02	-14.33	-8.7	20.5	
10,793.0	26.72	174.13	10,758.8	117.2	112.7	4.70	4.59	2.41	4.5	26.5	
10,888.0	29.95	188.53	10,842.5	72.4	111.3	7.93	3.40	15.16	31.0	21.3	
10,983.0	48.95	178.51	10,915.6	12.5	108.7	21.04	20.00	-10.55	46.2	22.0	
11,079.0	72.78	173.32	10,962.0	-70.4	115.1	25.26	24.82	-5.41	42.1	29.3	
11,174.0	87.21	171.10	10,978.5	-162.9	127.8	15.36	15.19	-2.34	22.5	40.0	
11,269.0	87.35	174.77	10,983.0	-257.0	139.4	3.86	0.15	3.86	5.8	50.5	
11,365.0	86.36	181.86	10,988.3	-352.8	142.3	7.45	-1.03	7.39	4.4	52.7	
11,460.0	90.04	184.51	10,991.3	-447.6	137.0	4.77	3.87	2.79	7.3	46.8	
11,556.0	89.99	184.75	10,991.2	-543.3	129.2	0.26	-0.05	0.25	7.3	38.5	
11,651.0	89.87	184.27	10,991.4	-638.0	121.8	0.52	-0.13	-0.51	7.4	30.4	
11,746.0	90.49	184.07	10,991.1	-732.7	114.9	0.69	0.65	-0.21	7.0	22.9	
11,842.0	91.25	181.47	10,989.6	-828.6	110.2	2.82	0.79	-2.71	5.5	17.6	
11,938.0	91.36	181.65	10,987.4	-924.5	107.6	0.22	0.11	0.19	3.3	14.4	
12,034.0	91.42	181.43	10,985.1	-1,020.5	105.0	0.24	0.06	-0.23	1.0	11.2	
12,129.0	91.19	181.34	10,982.9	-1,115.4	102.7	0.26	-0.24	-0.09	-1.1	8.2	
12,225.0	90.52	179.42	10,981.5	-1,211.4	102.1	2.12	-0.70	-2.00	-2.6	6.9	
12,320.0	88.92	180.65	10,982.0	-1,306.4	102.0	2.12	-1.68	1.29	-2.1	6.2	
12,416.0	88.81	180.08	10,983.9	-1,402.4	101.4	0.60	-0.11	-0.59	-0.2	4.9	
12,511.0	88.36	178.98	10,986.2	-1,497.3	102.2	1.25	-0.47	-1.16	2.2	5.0	
12,607.0	87.80	178.71	10,989.4	-1,593.2	104.1	0.65	-0.58	-0.28	6.2	6.3	
12,702.0	88.72	181.50	10,992.3	-1,688.2	104.0	3.09	0.97	2.94	10.0	5.5	
12,798.0	89.31	182.47	10,994.0	-1,784.1	100.6	1.18	0.61	1.01	12.5	1.5	
12,893.0	89.26	182.37	10,995.1	-1,879.0	96.6	0.12	-0.05	-0.11	14.6	-3.1	
12,989.0	89.12	182.02	10,996.5	-1,974.9	93.0	0.39	-0.15	-0.36	16.9	-7.4	



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #505H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3517.0usft
Site:	Durango 2 State	MD Reference:	KB = 26' @ 3517.0usft
Well:	#505H	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)		
13,085.0	91.92	183.06	10,995.6	-2,070.8	88.7	3.11	2.92	1.08	16.9	-12.3		
13,180.0	93.07	183.46	10,991.5	-2,165.6	83.3	1.28	1.21	0.42	13.7	-18.3		
13,275.0	92.17	178.99	10,987.1	-2,260.4	81.3	4.79	-0.95	-4.71	10.2	-21.1		
13,371.0	92.37	178.38	10,983.3	-2,356.3	83.5	0.67	0.21	-0.64	7.3	-19.5		
13,466.0	89.73	176.55	10,981.6	-2,451.2	87.7	3.38	-2.78	-1.93	6.5	-15.9		
13,562.0	89.48	175.11	10,982.3	-2,547.0	94.7	1.52	-0.26	-1.50	8.0	-9.6		
13,657.0	89.43	178.23	10,983.2	-2,641.8	100.2	3.28	-0.05	3.28	9.8	-4.7		
13,753.0	89.76	178.35	10,983.8	-2,737.7	103.0	0.37	0.34	0.12	11.4	-2.5		
13,848.0	89.99	178.08	10,984.1	-2,832.7	106.0	0.37	0.24	-0.28	12.5	-0.2		
13,944.0	90.57	177.75	10,983.6	-2,928.6	109.5	0.70	0.60	-0.34	12.9	2.7		
14,039.0	91.02	177.51	10,982.3	-3,023.5	113.4	0.54	0.47	-0.25	12.4	6.0		
14,134.0	89.40	179.88	10,981.9	-3,118.5	115.6	3.02	-1.71	2.49	11.7	7.5		
14,229.0	89.45	179.66	10,982.9	-3,213.5	116.0	0.24	0.05	-0.23	12.4	7.2		
14,325.0	89.96	179.35	10,983.4	-3,309.5	116.8	0.62	0.53	-0.32	12.5	7.4		
14,420.0	89.73	179.21	10,983.6	-3,404.5	118.0	0.28	-0.24	-0.15	12.4	8.0		
14,516.0	89.65	178.87	10,984.1	-3,500.5	119.6	0.36	-0.08	-0.35	12.6	9.0		
14,611.0	88.98	178.66	10,985.3	-3,595.4	121.6	0.74	-0.71	-0.22	13.4	10.4		
14,707.0	88.75	177.94	10,987.2	-3,691.4	124.5	0.79	-0.24	-0.75	15.0	12.6		
14,803.0	89.68	179.22	10,988.5	-3,787.3	126.9	1.65	0.97	1.33	16.0	14.3		
14,899.0	89.73	179.74	10,989.0	-3,883.3	127.7	0.54	0.05	0.54	16.1	14.6		
14,995.0	89.71	179.39	10,989.5	-3,979.3	128.5	0.37	-0.02	-0.36	16.3	14.6		
15,090.0	91.61	180.71	10,988.4	-4,074.3	128.4	2.44	2.00	1.39	14.8	13.9		
15,186.0	91.75	180.66	10,985.6	-4,170.3	127.2	0.15	0.15	-0.05	11.7	12.1		
15,282.0	92.37	180.30	10,982.1	-4,266.2	126.4	0.75	0.65	-0.37	7.9	10.7		
15,378.0	93.07	180.14	10,977.5	-4,362.1	126.1	0.75	0.73	-0.17	3.0	9.7		
15,474.0	92.23	179.45	10,973.1	-4,458.0	126.4	1.13	-0.87	-0.72	-1.7	9.4		
15,570.0	92.82	178.82	10,968.9	-4,553.9	127.9	0.90	0.61	-0.66	-6.7	10.2		



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #505H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3517.0usft
Site:	Durango 2 State	MD Reference:	KB = 26' @ 3517.0usft
Well:	#505H	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)
15,666.0	90.74	178.16	10,965.9	-4,649.8	130.4	2.27	-2.17	-0.69	-10.9	12.1
15,762.0	89.87	176.81	10,965.4	-4,745.7	134.6	1.67	-0.91	-1.41	-12.7	15.6
Last MWD Survey (MD=15762.0')										
15,905.0	89.87	176.81	10,965.7	-4,888.5	142.6	0.00	0.00	0.00	-14.3	22.6
Projection to Bit (MD=15905.0')										

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,403.0	10,384.8	211.6	116.1	KOP, MD:10403.0', TVD:10384.8',N/S:211.6', E/W:116.1', INC:1.30
10,641.0	10,618.9	175.8	106.3	FTP Crossing, MD:10641.0', TVD:10618.9',N/S:175.8', E/W:106.3', INC:17.82
15,762.0	10,965.4	-4,745.7	134.6	Last MWD Survey (MD=15762.0')
15,905.0	10,965.7	-4,888.5	142.6	Projection to Bit (MD=15905.0')

Checked By: _____ Approved By: _____ Date: _____

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



Lea County, NM (NAD 83 NME)

Durango 2 State #505H

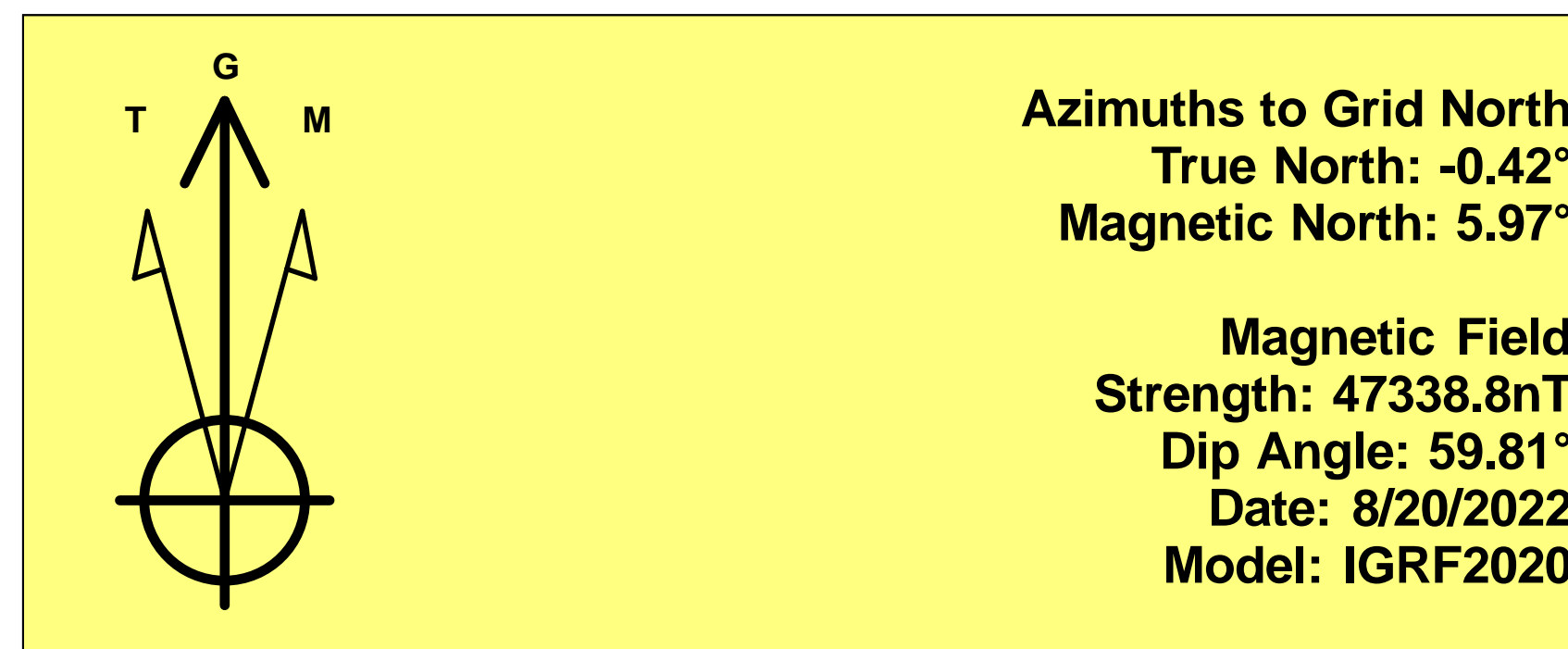
OH

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

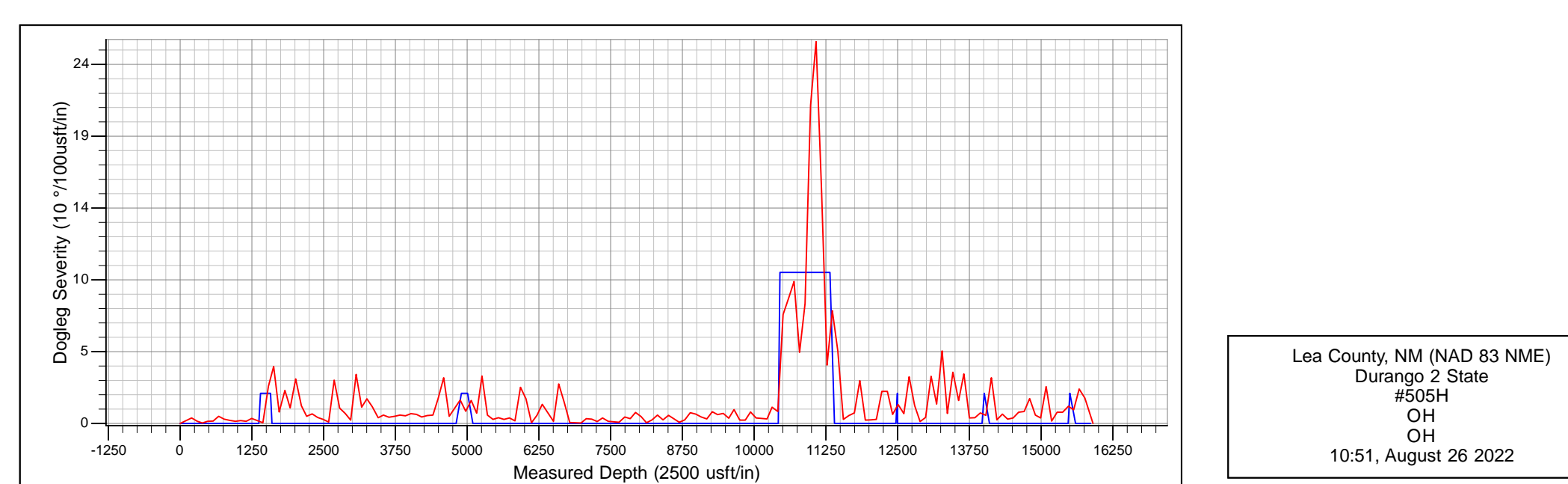
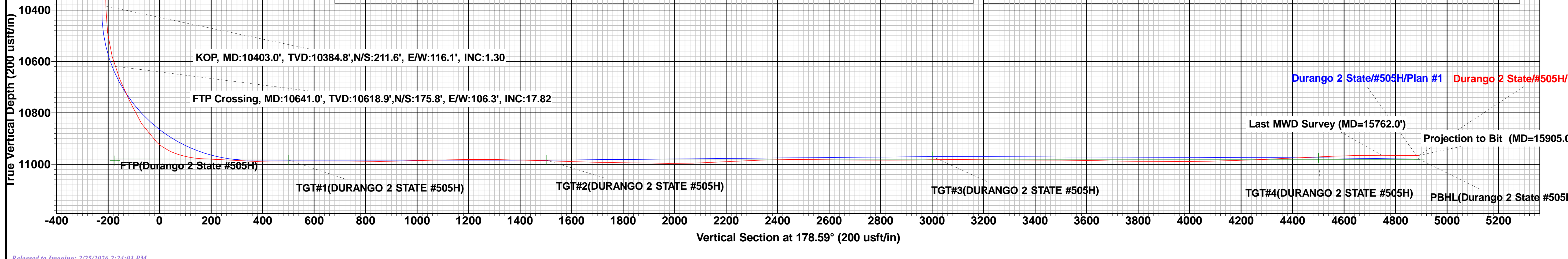
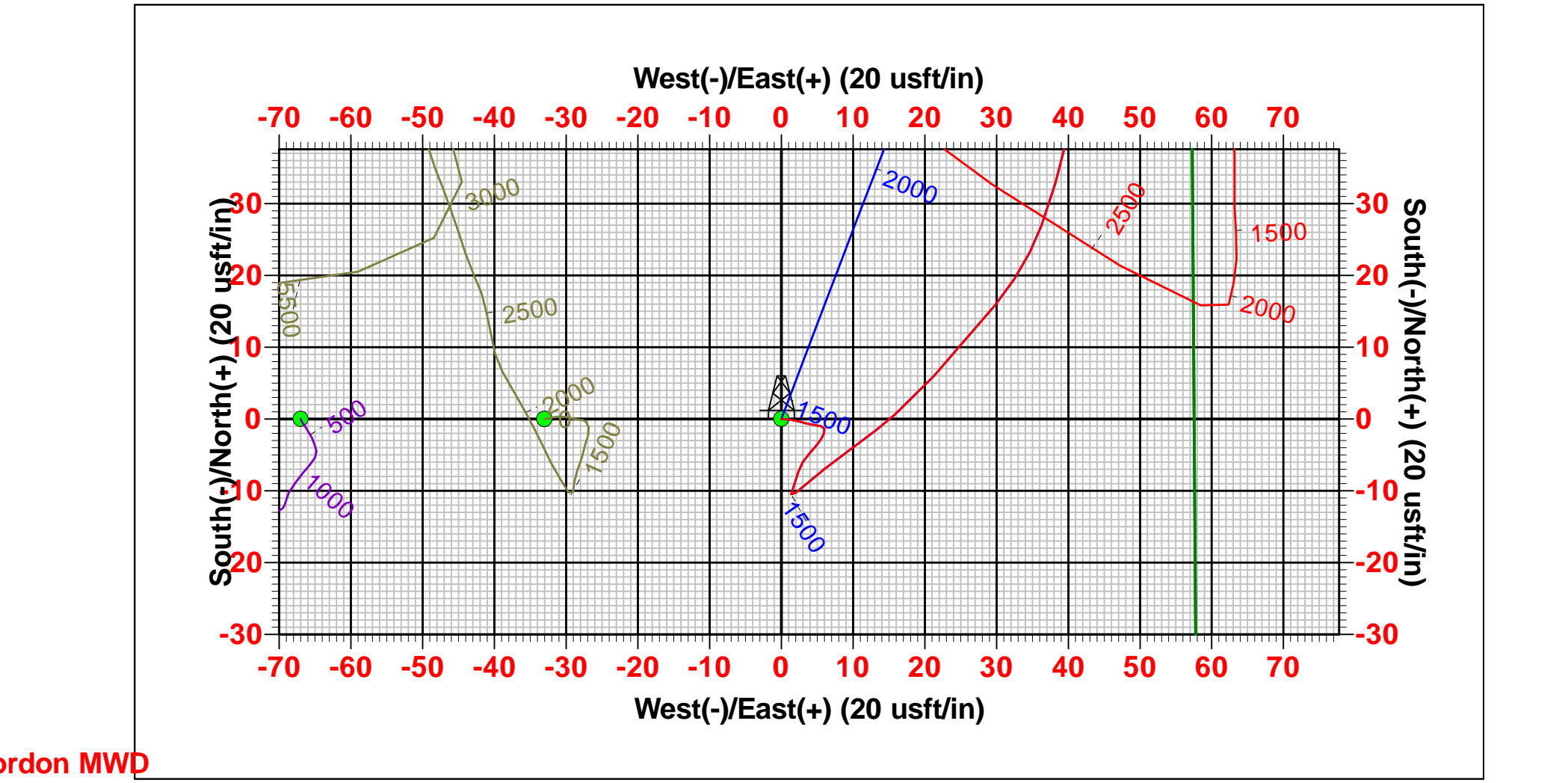
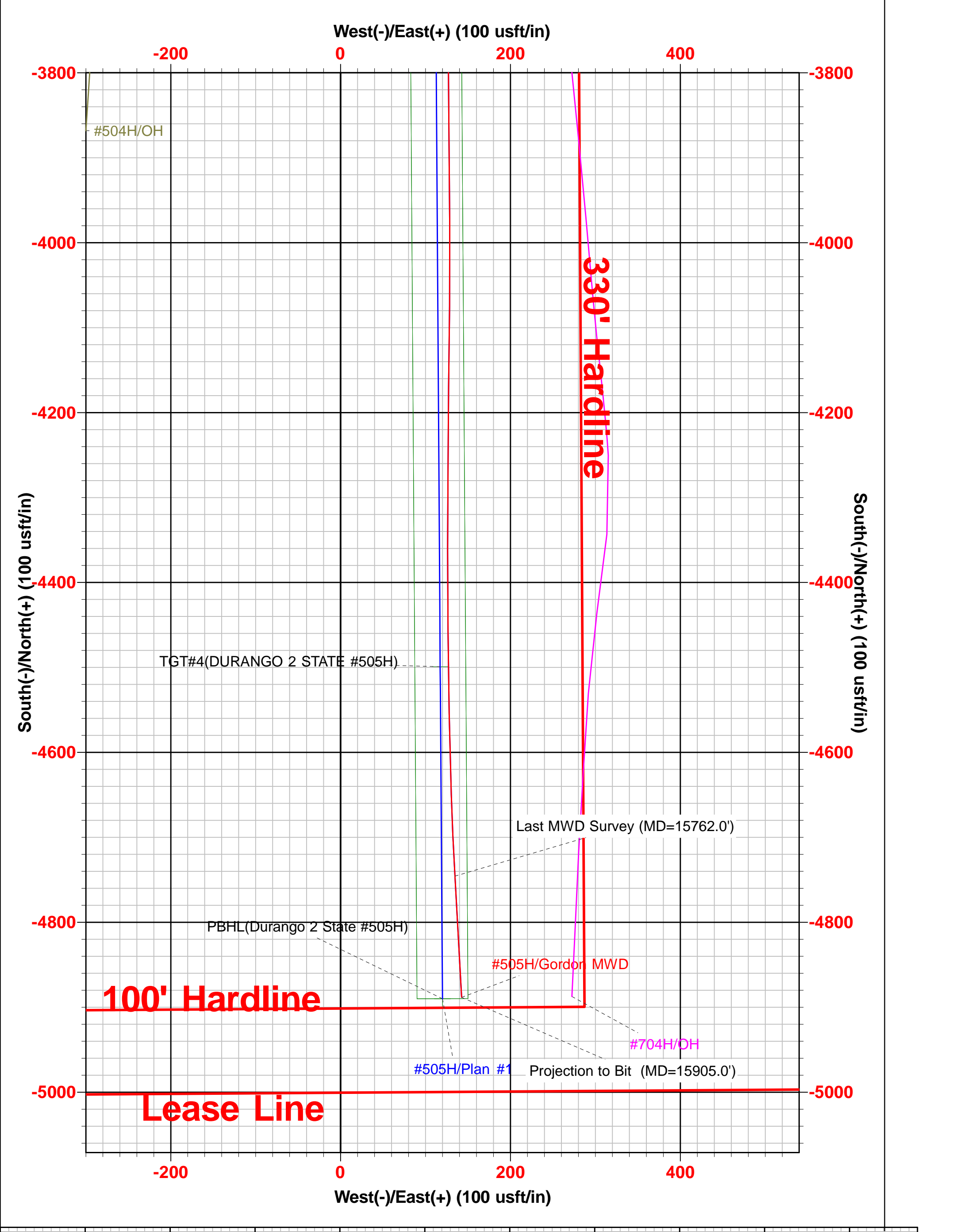
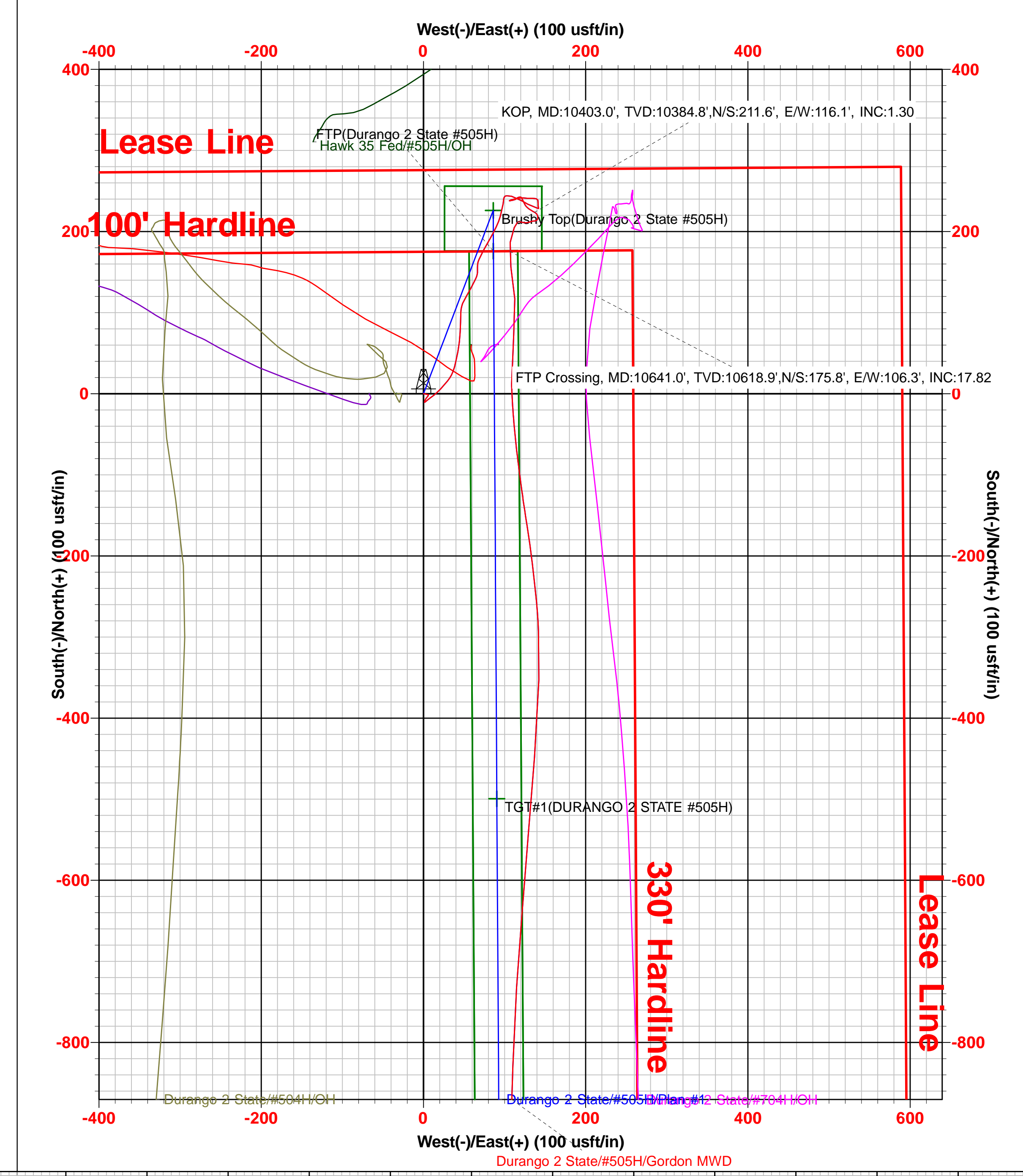
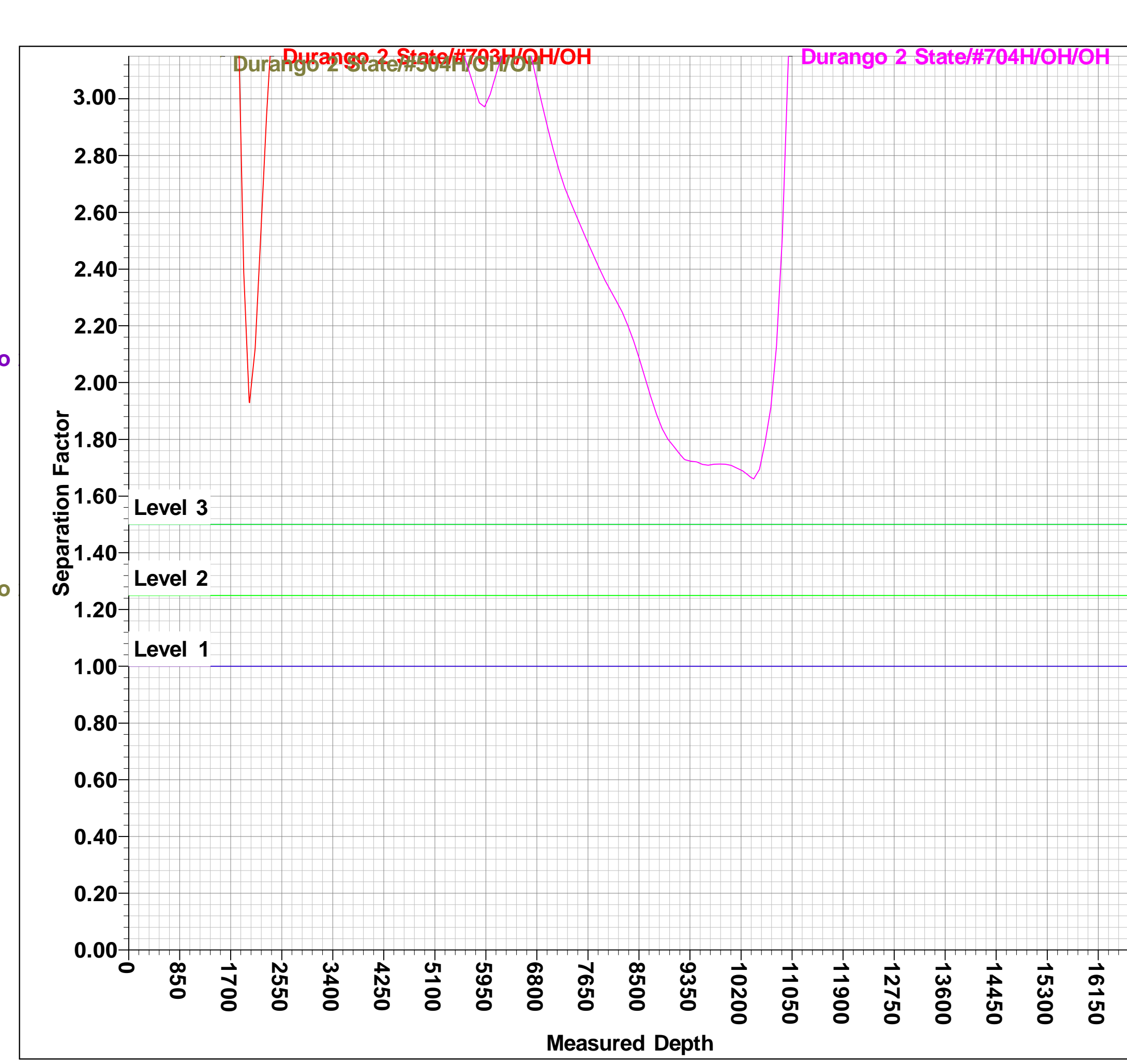
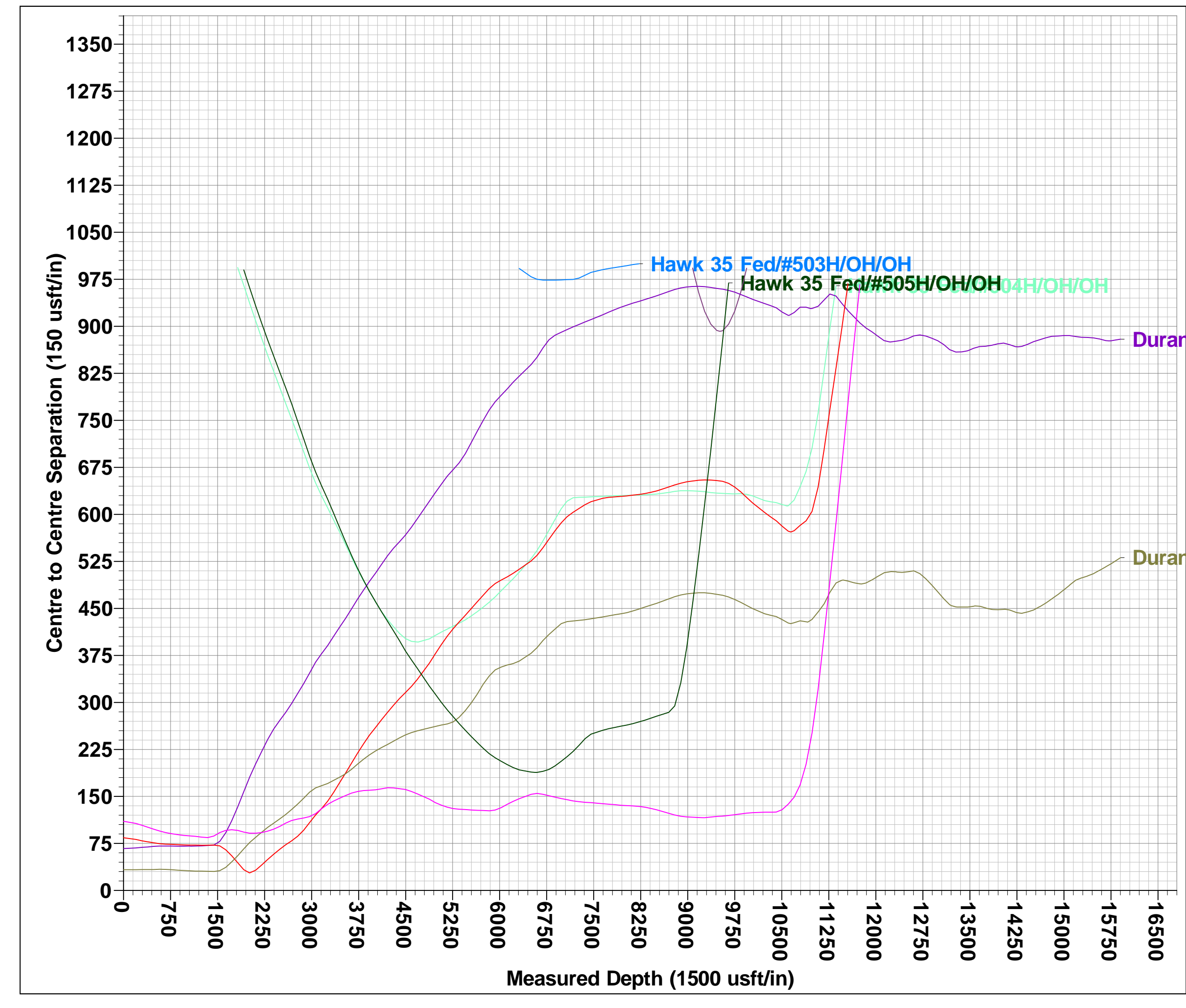
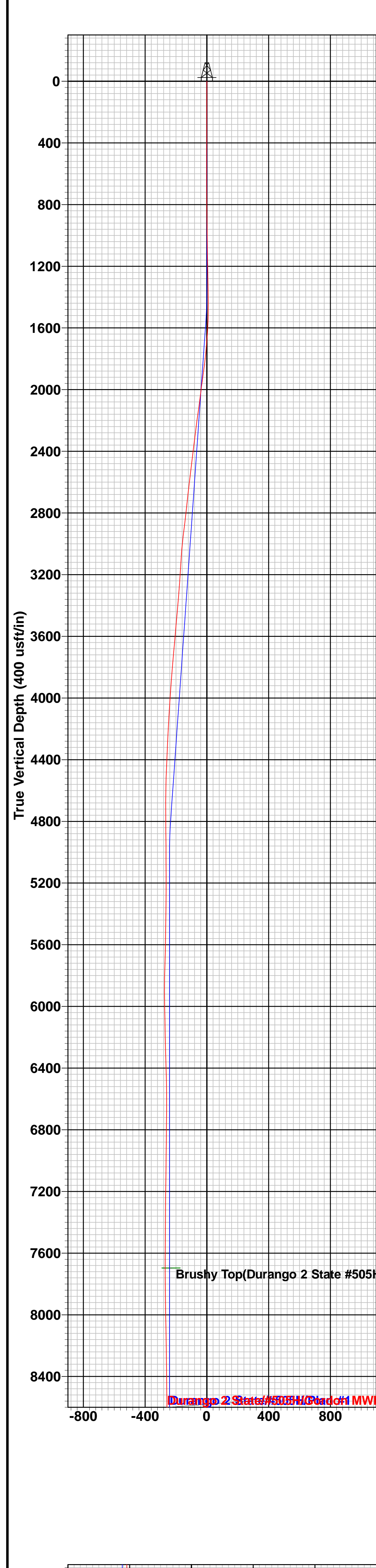
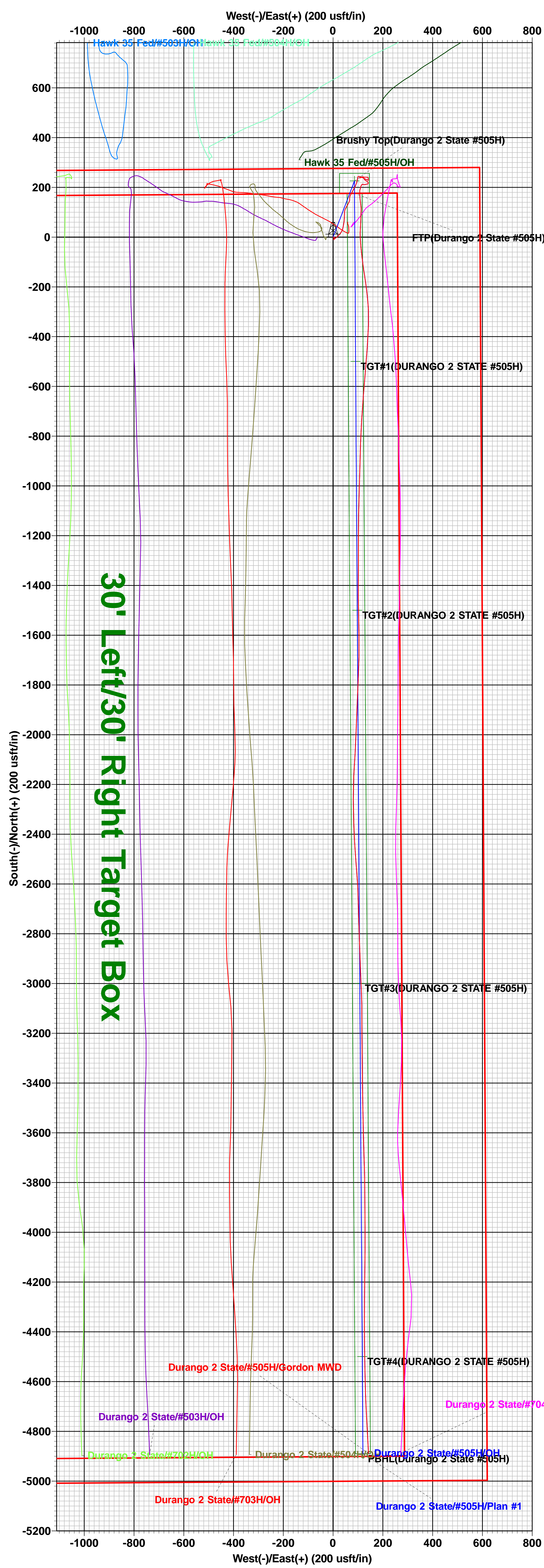
Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Eastern Zone
 System Datum: Mean Sea Level

WELL DETAILS: #505H

KB = 26' @ 3517.0usft 3491.0
 Easting 785268.00 Latitude 32° 9' 57.855 N Longitude 103° 32' 42.062 W
 Northing 425045.00



To convert a Magnetic Direction to a Grid Direction, Add 5.97°
 To convert a Magnetic Direction to a True Direction, Add 6.39° East
 To convert a True Direction to a Grid Direction, Subtract 0.42°



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.		30-025-50344		2. Type of Lease		<input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> FED/INDIAN		
		3. State Oil & Gas Lease No.				4. Reason for filing:		5. Lease Name or Unit Agreement Name		
						<input checked="" type="checkbox"/> COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only)		DURANGO 2 STATE		
						<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)		6. Well Number:		
						7. Type of Completion:		505H		
						<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		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	2052	WEST	LEA
BH:	N	2	25S	33E		110	SOUTH	2162	WEST	LEA
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.)		3491' GL		
07/23/2022	08/23/2022	08/24/2022		10/09/2022						
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 15,905'		TVD 10,965'		MD 15,876' TVD 10,965'		YES				
22. Producing Interval(s), of this completion - Top, Bottom, Name		BONE SPRING 11,150 - 15,876'								
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'		13 1/2"		570 CL C/CIRC		
8 3/4"		38.5# ICYP 110		5151'		9 7/8"		655 CL C/ CIRC		
5 1/2"		20# ECP 110		15,884'		6 3/4"		720 CL C&H TOC SURF		
24. LINER RECORD										
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		
25. TUBING RECORD										
SIZE		DEPTH SET		PACKER SET						
26. Perforation record (interval, size, and number)				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.						
11,150 - 15,876' 3 1/8", 1008 holes				DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED				
				11,150 - 15,876'		FRAC W/11,231,083 lbs proppant, 171,115 bbls load fld				
28. PRODUCTION										
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)				
10/09/2022		FLOWING				Producing				
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio			
10/14/2022	24	128		1897	2770	6628	1460			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)				
	467					46				
29. Disposition of Gas (Sold, used for fuel, vented, etc.)						30. Test Witnessed By				
SOLD										
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										
Signature		Name		Title		Date				
Kay Maddox		Kay Maddox		Senior Regulatory Specialist		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 7746'</u>	T. Ojo Alamo	T. Penn A"
T. Salt <u>1659'</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. 1st BS Sand 10,260'	T. Entrada	
T. Wolfcamp	T. 2nd BS Sand 10,908'	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 152625

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 152625
	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 152625

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 152625
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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