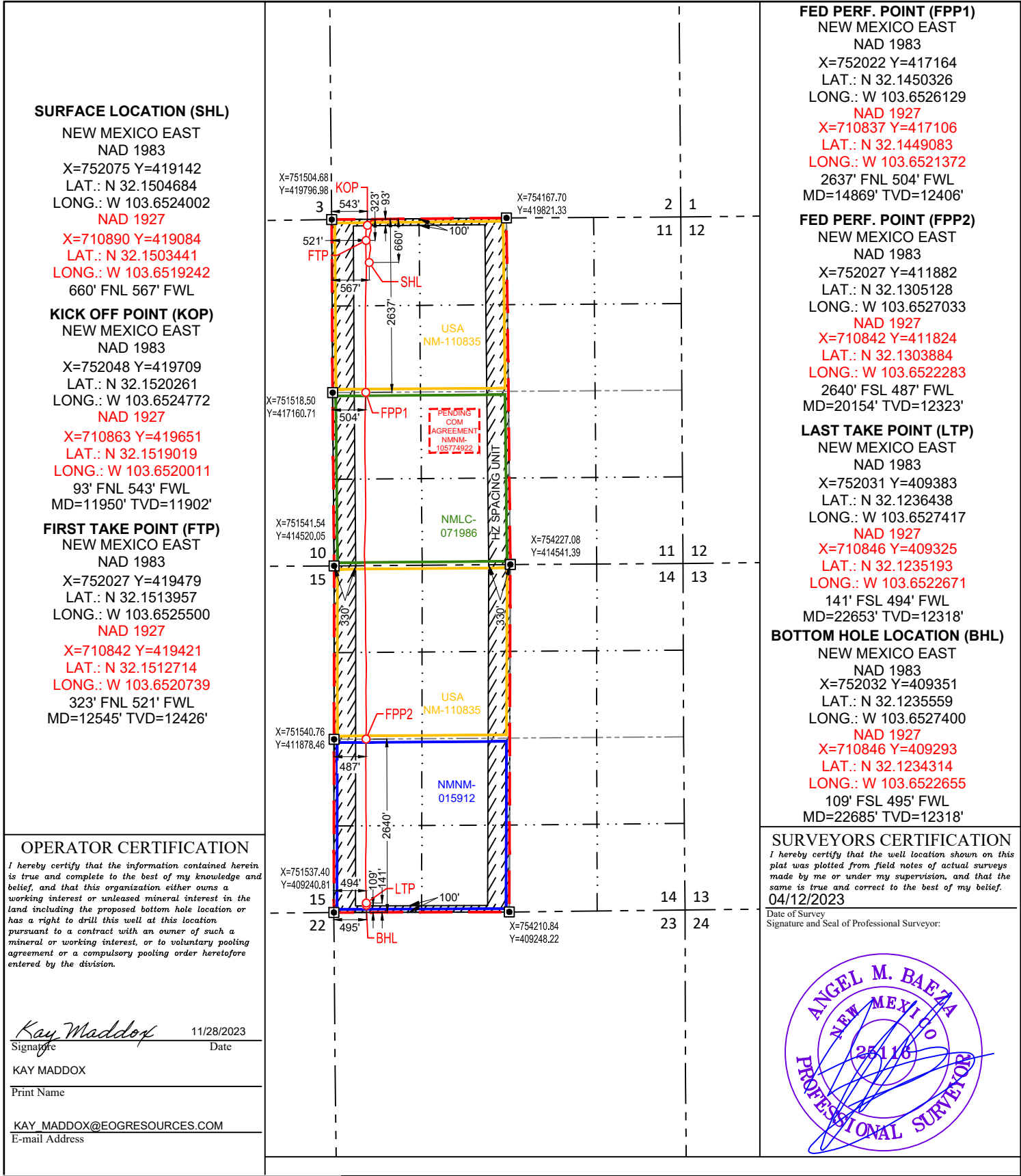
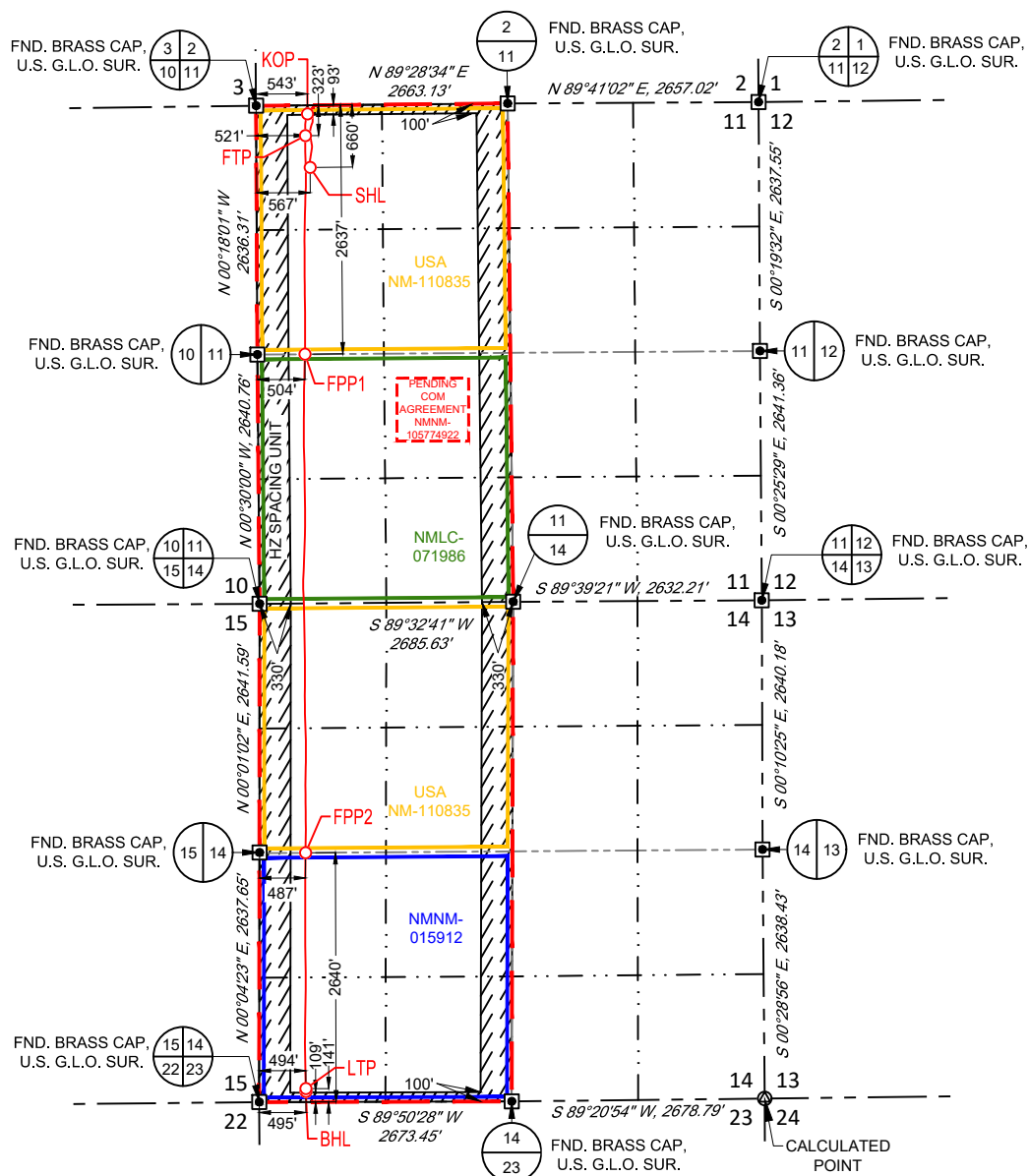


Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT
☒ AS-COMPLETED



SECTION 11, TOWNSHIP 25-S, RANGE 32-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

LEASE NAME & WELL NO.: RUTHLESS 11 FED COM 729H
 SECTION 11 TWP 25-S RGE 32-E SURVEY N.M.P.M.
 COUNTY LEA STATE NM ELEVATION 3488'
 DESCRIPTION 660' FNL & 567' FWL

SURFACE LOCATION (SHL)

NEW MEXICO EAST
 NAD 1983
 X=752075 Y=419142
 LAT.: N 32.1504684
 LONG.: W 103.6524002
 660' FNL 567' FWL

KICK OFF POINT (KOP)

NEW MEXICO EAST
 NAD 1983
 X=752048 Y=419709
 LAT.: N 32.1520261
 LONG.: W 103.6524772
 93' FNL 543' FWL
 MD=11950' TVD=11902'

FIRST TAKE POINT (FTP)

NEW MEXICO EAST
 NAD 1983
 X=752027 Y=419479
 LAT.: N 32.1513957
 LONG.: W 103.6525500
 323' FNL 521' FWL
 MD=12545' TVD=12426'

FED PERF. POINT (FPP1)

NEW MEXICO EAST
 NAD 1983
 X=752022 Y=417164
 LAT.: N 32.1450326
 LONG.: W 103.6526129
 2637' FNL 504' FWL
 MD=14869' TVD=12406'

FED PERF. POINT (FPP2)

NEW MEXICO EAST
 NAD 1983
 X=752027 Y=411882
 LAT.: N 32.1305128
 LONG.: W 103.6527033
 2640' FSL 487' FWL
 MD=20154' TVD=12323'

LAST TAKE POINT (LTP)

NEW MEXICO EAST
 NAD 1983
 X=752031 Y=409383
 LAT.: N 32.1236438
 LONG.: W 103.6527417
 141' FSL 494' FWL
 MD=22653' TVD=12318'

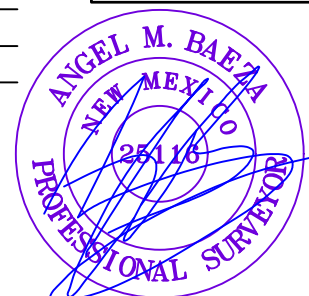
BOTTOM HOLE LOCATION (BHL)

NEW MEXICO EAST
 NAD 1983
 X=752032 Y=409351
 LAT.: N 32.1235559
 LONG.: W 103.6527400
 109' FSL 495' FWL
 MD=22685' TVD=12318'

SCALE: 1" = 2000'
 0' 1000' 2000'



481 WINSBROTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126
 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



Angel M. Baeza, P.S. No. 25116



RUTHLESS 11 FED COM
 729H
 AS-DRILLED

DATE: 11/19/2023

FILE:AD_RUTHLESS_11_FED_COM_729H

DRAWN BY: IMU

SHEET: 2 OF 2

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.



Midland

Lea County, NM (NAD 83 NME)

Ruthless 11 Fed Com

#729H

OH

Survey: Taktikal MWD

Final PVA

03 July, 2023





Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #729H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb = 26' @ 3514.0usft
Site:	Ruthless 11 Fed Com	MD Reference:	kb = 26' @ 3514.0usft
Well:	#729H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	PEDM

Project	Lea County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Ruthless 11 Fed Com		
Site Position:		Northing:	419,142.00 usft
From:	Map	Easting:	752,042.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 9' 1.687 N
		Longitude:	103° 39' 9.029 W
		Grid Convergence:	0.36 °

Well		#729H				
Well Position	+N/-S	0.0 usft	Northing:	419,142.00 usft	Latitude:	32° 9' 1.684 N
	+E/-W	0.0 usft	Easting:	752,075.00 usft	Longitude:	103° 39' 8.645 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,488.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	5/1/2023	6.36	59.76	47,246.26035466

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	180.22

Survey Program	Date	7/3/2023		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
183.0	22,685.0	Taktikal MWD (OH)	EOG MWD+IFR1	MWD + IFR1



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #729H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb = 26' @ 3514.0usft
Site:	Ruthless 11 Fed Com	MD Reference:	kb = 26' @ 3514.0usft
Well:	#729H	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	
183.0	0.92	245.81	183.0	-0.6	-1.3	0.50	0.50	0.00	-1.5	0.0	
211.0	0.97	237.55	211.0	-0.8	-1.7	0.52	0.18	-29.50	-1.9	-0.2	
297.0	1.05	247.39	297.0	-1.5	-3.1	0.22	0.09	11.44	-3.4	0.2	
471.0	0.92	231.66	470.9	-3.0	-5.7	0.17	-0.07	-9.04	-6.3	-1.2	
561.0	0.79	222.43	560.9	-3.9	-6.6	0.21	-0.14	-10.26	-7.4	-2.3	
655.0	0.97	220.32	654.9	-5.0	-7.6	0.19	0.19	-2.24	-8.7	-2.6	
749.0	0.79	219.97	748.9	-6.1	-8.5	0.19	-0.19	-0.37	-10.1	-2.6	
844.0	0.62	263.47	843.9	-6.6	-9.5	0.57	-0.18	45.79	-10.1	5.5	
923.0	0.48	265.94	922.9	-6.7	-10.2	0.18	-0.18	3.13	-10.7	6.0	
1,042.0	0.66	14.48	1,041.9	-6.1	-10.5	0.78	0.15	91.21	8.5	8.7	
1,136.0	3.52	17.99	1,135.8	-2.8	-9.5	3.04	3.04	3.73	5.8	8.1	
1,231.0	6.73	7.53	1,230.4	5.5	-7.9	3.51	3.38	-11.01	-1.4	8.2	
1,325.0	7.08	9.12	1,323.8	16.7	-6.2	0.42	0.37	1.69	-6.8	7.5	
1,419.0	6.95	9.12	1,417.1	28.0	-4.4	0.14	-0.14	0.00	-9.5	6.3	
1,513.0	8.53	5.42	1,510.2	40.5	-2.9	1.76	1.68	-3.94	-10.9	4.4	
1,607.0	9.67	5.60	1,603.0	55.3	-1.4	1.21	1.21	0.19	-13.6	3.4	
1,702.0	9.71	7.01	1,696.7	71.2	0.3	0.25	0.04	1.48	-17.4	2.7	
1,796.0	9.80	8.15	1,789.3	87.0	2.4	0.23	0.10	1.21	-21.2	1.7	
1,891.0	9.67	9.12	1,882.9	102.9	4.8	0.22	-0.14	1.02	-25.2	0.4	
1,985.0	9.63	7.71	1,975.6	118.5	7.1	0.26	-0.04	-1.50	-28.9	-1.8	
2,079.0	9.89	8.24	2,068.2	134.3	9.4	0.29	0.28	0.56	-32.9	-3.0	
2,174.0	10.02	10.17	2,161.8	150.5	12.0	0.38	0.14	2.03	-37.3	-3.6	
2,269.0	9.93	9.73	2,255.4	166.7	14.8	0.12	-0.09	-0.46	-41.6	-5.9	
2,363.0	10.20	9.12	2,347.9	182.9	17.5	0.31	0.29	-0.65	-46.0	-8.1	
2,458.0	10.24	10.17	2,441.4	199.5	20.3	0.20	0.04	1.11	-51.0	-9.1	
2,552.0	9.01	6.13	2,534.1	215.1	22.6	1.49	-1.31	-4.30	-53.8	-14.3	



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #729H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb = 26' @ 3514.0usft
Site:	Ruthless 11 Fed Com	MD Reference:	kb = 26' @ 3514.0usft
Well:	#729H	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)	
2,647.0	8.44	348.64	2,628.0	229.3	22.0	2.84	-0.60	-18.41	-49.2	-29.3	
2,741.0	8.26	348.99	2,721.0	242.7	19.4	0.20	-0.19	0.37	-51.2	-26.5	
2,836.0	8.57	350.13	2,815.0	256.3	16.9	0.37	0.33	1.20	-53.6	-23.0	
2,930.0	8.44	350.04	2,908.0	270.0	14.5	0.14	-0.14	-0.10	-55.5	-20.8	
3,025.0	8.22	351.45	3,002.0	283.6	12.3	0.32	-0.23	1.48	-57.7	-17.3	
3,119.0	8.13	350.66	3,095.0	296.8	10.2	0.15	-0.10	-0.84	-58.9	-16.0	
3,213.0	8.31	353.30	3,188.0	310.1	8.3	0.44	0.19	2.81	-60.9	-11.4	
3,307.0	7.82	351.54	3,281.1	323.2	6.6	0.58	-0.52	-1.87	-61.8	-11.4	
3,402.0	7.87	351.10	3,375.2	336.0	4.6	0.08	0.05	-0.46	-62.6	-9.9	
3,496.0	7.30	350.48	3,468.4	348.3	2.6	0.61	-0.61	-0.66	-62.9	-8.4	
3,591.0	6.95	348.46	3,562.7	359.9	0.5	0.45	-0.37	-2.13	-62.4	-8.1	
3,685.0	8.00	7.97	3,655.9	371.9	0.2	2.90	1.12	20.76	-61.4	13.4	
3,780.0	7.47	8.50	3,750.0	384.6	2.1	0.56	-0.56	0.56	-61.9	12.4	
3,874.0	6.73	7.36	3,843.3	396.1	3.7	0.80	-0.79	-1.21	-61.7	9.7	
3,969.0	8.92	9.56	3,937.4	408.9	5.6	2.33	2.31	2.32	-62.1	10.4	
4,063.0	8.66	10.00	4,030.3	423.0	8.1	0.29	-0.28	0.47	-64.4	9.0	
4,158.0	7.34	19.49	4,124.4	435.8	11.3	1.96	-1.39	9.99	-63.6	16.7	
4,253.0	7.47	18.96	4,218.6	447.3	15.4	0.15	0.14	-0.56	-64.3	12.3	
4,347.0	7.52	15.00	4,311.8	459.1	18.9	0.55	0.05	-4.21	-65.4	4.5	
4,442.0	6.42	26.87	4,406.1	469.8	22.9	1.90	-1.16	12.49	-63.5	13.7	
4,536.0	5.93	23.62	4,499.5	478.9	27.3	0.64	-0.52	-3.46	-63.0	5.1	
4,631.0	7.16	0.33	4,593.9	489.4	29.3	3.05	1.29	-24.52	-58.1	-21.9	
4,725.0	8.22	354.97	4,687.1	501.9	28.7	1.36	1.13	-5.70	-56.3	-26.4	
4,820.0	7.38	355.41	4,781.2	514.8	27.6	0.89	-0.88	0.46	-57.2	-24.8	
4,914.0	6.37	354.26	4,874.5	526.0	26.6	1.08	-1.07	-1.22	-55.9	-24.6	
5,009.0	7.16	356.02	4,968.9	537.1	25.7	0.86	0.83	1.85	-55.6	-21.7	
5,103.0	7.56	359.80	5,062.1	549.1	25.3	0.67	0.43	4.02	-56.7	-17.4	



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #729H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb = 26' @ 3514.0usft
Site:	Ruthless 11 Fed Com	MD Reference:	kb = 26' @ 3514.0usft
Well:	#729H	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)
5,197.0	7.34	356.11	5,155.3	561.3	24.8	0.56	-0.23	-3.93	-55.6	-20.3
5,292.0	7.12	354.97	5,249.5	573.2	23.9	0.28	-0.23	-1.20	-54.9	-20.3
5,386.0	6.59	349.87	5,342.9	584.3	22.4	0.86	-0.56	-5.43	-52.2	-23.2
5,481.0	6.86	351.36	5,437.2	595.3	20.6	0.34	0.28	1.57	-51.8	-19.7
5,576.0	6.59	359.10	5,531.6	606.4	19.7	0.99	-0.28	8.15	-52.8	-11.4
5,670.0	6.20	358.48	5,625.0	616.8	19.5	0.42	-0.41	-0.66	-51.0	-11.5
5,764.0	4.40	15.27	5,718.6	625.4	20.3	2.51	-1.91	17.86	-48.8	2.0
5,859.0	4.04	26.08	5,813.3	631.9	22.7	0.92	-0.38	11.38	-43.5	6.7
5,953.0	2.64	41.90	5,907.2	636.5	25.6	1.77	-1.49	16.83	-38.2	12.9
6,047.0	2.55	76.26	6,001.1	638.6	29.1	1.63	-0.10	36.55	-26.4	27.2
6,142.0	1.63	108.08	6,096.0	638.7	32.4	1.52	-0.97	33.49	-12.3	34.8
6,237.0	1.32	129.09	6,191.0	637.6	34.6	0.65	-0.33	22.12	-1.7	36.9
6,331.0	1.14	116.87	6,285.0	636.5	36.2	0.34	-0.19	-13.00	-11.4	35.5
6,426.0	0.84	121.88	6,379.9	635.7	37.7	0.33	-0.32	5.27	-9.9	36.4
6,520.0	0.92	118.45	6,473.9	635.0	38.9	0.10	0.09	-3.65	-13.5	35.7
6,615.0	0.79	122.85	6,568.9	634.2	40.2	0.15	-0.14	4.63	-12.2	36.7
6,708.0	0.75	117.92	6,661.9	633.6	41.2	0.08	-0.04	-5.30	-16.5	35.5
6,803.0	0.79	119.59	6,756.9	633.0	42.3	0.05	0.04	1.76	-16.8	36.0
6,898.0	0.57	158.88	6,851.9	632.2	43.1	0.53	-0.23	41.36	8.8	38.9
6,992.0	1.32	302.32	6,945.9	632.4	42.3	1.93	0.80	152.60	15.4	-36.2
7,086.0	1.32	289.49	7,039.9	633.3	40.4	0.31	0.00	-13.65	20.9	-32.1
7,181.0	1.05	274.28	7,134.8	633.8	38.5	0.43	-0.28	-16.01	26.6	-25.8
7,275.0	1.01	261.89	7,228.8	633.7	36.8	0.24	-0.04	-13.18	29.9	-19.7
7,369.0	1.10	272.35	7,322.8	633.6	35.1	0.23	0.10	11.13	24.1	-24.6
7,464.0	1.10	275.86	7,417.8	633.7	33.3	0.07	0.00	3.69	20.7	-26.0
7,558.0	1.32	256.53	7,511.8	633.6	31.3	0.49	0.23	-20.56	26.2	-18.0
7,653.0	1.32	252.75	7,606.8	633.0	29.2	0.09	0.00	-3.98	25.2	-16.3



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #729H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb = 26' @ 3514.0usft
Site:	Ruthless 11 Fed Com	MD Reference:	kb = 26' @ 3514.0usft
Well:	#729H	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)	
7,748.0	1.49	248.18	7,701.7	632.2	27.0	0.21	0.18	-4.81	24.1	-14.3	
7,842.0	1.45	244.14	7,795.7	631.3	24.8	0.12	-0.04	-4.30	22.6	-12.7	
7,937.0	1.49	238.42	7,890.7	630.1	22.7	0.16	0.04	-6.02	21.3	-10.5	
8,031.0	1.58	238.60	7,984.6	628.8	20.5	0.10	0.10	0.19	18.8	-10.5	
8,126.0	1.49	228.75	8,079.6	627.3	18.5	0.29	-0.09	-10.37	17.8	-7.4	
8,220.0	1.54	223.31	8,173.6	625.5	16.7	0.16	0.05	-5.79	15.9	-5.8	
8,315.0	1.76	220.05	8,268.5	623.5	14.9	0.25	0.23	-3.43	13.5	-4.9	
8,409.0	1.71	220.37	8,362.5	621.3	13.1	0.05	-0.05	0.34	10.6	-5.0	
8,504.0	1.80	215.22	8,457.4	619.0	11.3	0.19	0.09	-5.42	8.1	-4.2	
8,598.0	1.67	217.94	8,551.4	616.7	9.6	0.16	-0.14	2.89	5.1	-4.5	
8,693.0	1.49	214.52	8,646.4	614.6	8.0	0.21	-0.19	-3.60	2.7	-4.2	
8,785.0	1.76	220.93	8,738.3	612.6	6.4	0.35	0.29	6.97	-0.4	-4.4	
8,879.0	1.67	224.27	8,832.3	610.5	4.5	0.14	-0.10	3.55	-3.5	-4.3	
8,974.0	1.10	214.16	8,927.3	608.8	3.1	0.65	-0.60	-10.64	-4.9	-5.0	
9,069.0	1.05	189.73	9,022.2	607.1	2.4	0.48	-0.05	-25.72	-4.1	-7.0	
9,163.0	1.23	168.46	9,116.2	605.3	2.5	0.49	0.19	-22.63	-3.1	-8.3	
9,257.0	1.71	169.08	9,210.2	602.9	2.9	0.51	0.51	0.66	-5.6	-8.3	
9,352.0	1.80	165.12	9,305.1	600.1	3.6	0.16	0.09	-4.17	-7.9	-8.8	
9,446.0	0.75	152.91	9,399.1	598.1	4.2	1.15	-1.12	-12.99	-7.9	-10.5	
9,541.0	1.98	152.11	9,494.1	596.1	5.3	1.29	1.29	-0.84	-10.0	-10.7	
9,635.0	1.14	136.82	9,588.1	594.0	6.7	0.99	-0.89	-16.27	-9.4	-13.4	
9,729.0	1.23	142.89	9,682.0	592.5	7.9	0.16	0.10	6.46	-12.7	-12.2	
9,824.0	1.14	146.05	9,777.0	590.9	9.1	0.12	-0.09	3.33	-15.3	-11.4	
9,918.0	0.88	149.74	9,871.0	589.5	10.0	0.28	-0.28	3.93	-17.7	-10.3	
10,013.0	1.14	168.73	9,966.0	588.0	10.5	0.44	0.27	19.99	-21.7	-3.8	
10,107.0	0.66	212.85	10,060.0	586.6	10.4	0.86	-0.51	46.94	-19.4	13.0	
10,202.0	0.92	288.70	10,155.0	586.4	9.4	1.04	0.27	79.84	7.0	22.6	



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #729H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb = 26' @ 3514.0usft
Site:	Ruthless 11 Fed Com	MD Reference:	kb = 26' @ 3514.0usft
Well:	#729H	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)
10,296.0	1.23	292.56	10,248.9	587.0	7.7	0.34	0.33	4.11	6.7	22.1
10,390.0	1.76	293.97	10,342.9	588.0	5.5	0.57	0.56	1.50	4.8	21.9
10,485.0	1.89	290.01	10,437.9	589.1	2.7	0.19	0.14	-4.17	0.3	22.1
10,579.0	1.49	276.22	10,531.8	589.8	0.0	0.60	-0.43	-14.67	-7.7	21.2
10,674.0	1.58	256.97	10,626.8	589.6	-2.5	0.55	0.09	-20.26	-16.8	17.0
10,769.0	0.66	262.68	10,721.8	589.3	-4.3	0.97	-0.97	6.01	-16.8	18.8
10,863.0	0.75	297.84	10,815.8	589.5	-5.4	0.46	0.10	37.40	-4.0	25.3
10,958.0	0.84	286.06	10,910.8	590.0	-6.6	0.20	0.09	-12.40	-10.4	23.9
11,052.0	0.66	239.74	11,004.8	589.9	-7.7	0.65	-0.19	-49.28	-25.5	8.4
11,147.0	0.48	234.03	11,099.7	589.4	-8.5	0.20	-0.19	-6.01	-27.1	5.8
11,241.0	1.14	220.49	11,193.7	588.4	-9.5	0.73	0.70	-14.40	-29.0	-0.8
11,336.0	1.49	222.16	11,288.7	586.8	-10.9	0.37	0.37	1.76	-31.2	0.1
11,430.0	1.89	209.59	11,382.7	584.5	-12.5	0.58	0.43	-13.37	-33.2	-7.0
11,525.0	2.37	202.74	11,477.6	581.4	-14.0	0.57	0.51	-7.21	-35.7	-11.1
11,619.0	2.51	223.75	11,571.5	578.1	-16.2	0.96	0.15	22.35	-41.2	3.1
11,713.0	2.68	233.76	11,665.4	575.3	-19.4	0.51	0.18	10.65	-44.2	10.6
11,785.0	2.68	224.89	11,737.3	573.1	-21.9	0.58	0.00	-12.32	-48.7	3.4
11,874.0	3.03	221.36	11,826.2	569.9	-25.0	0.44	0.39	-3.97	-53.2	0.3
11,950.0	3.19	211.23	11,902.1	566.6	-27.4	0.75	0.22	-13.33	-56.4	-9.5
KOP, MD:11950.0', TVD:11902.1',N/S:566.6', E/W:-27.4', INC:3.19										
11,969.0	3.25	208.88	11,921.1	565.6	-27.9	0.75	0.29	-12.37	-56.3	-12.2
12,044.7	6.54	206.52	11,996.5	559.9	-30.9	4.35	4.35	-3.12	-52.8	-18.2
HL Crossing, MD:12044.7', TVD:11996.5',N/S:559.9', E/W:-30.9', INC:6.54										
12,064.0	7.38	206.25	12,015.7	557.8	-31.9	4.35	4.35	-1.38	-51.0	-20.0
12,158.0	18.51	191.13	12,107.2	537.7	-37.5	12.28	11.84	-16.09	-34.5	-36.3
12,253.0	20.04	190.51	12,196.8	506.9	-43.4	1.62	1.61	-0.65	-18.5	-39.9
12,343.0	25.14	186.47	12,279.9	472.7	-48.3	5.92	5.67	-4.49	7.2	-41.7



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #729H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb = 26' @ 3514.0usft
Site:	Ruthless 11 Fed Com	MD Reference:	kb = 26' @ 3514.0usft
Well:	#729H	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)	
12,375.0	31.03	182.16	12,308.1	457.7	-49.4	19.46	18.41	-13.47	18.3	-40.0	
12,438.0	41.05	177.51	12,359.0	420.7	-49.1	16.48	15.90	-7.38	33.2	-32.9	
12,532.0	57.54	180.76	12,420.1	349.7	-48.3	17.73	17.54	3.46	41.4	-24.8	
12,627.0	75.96	180.76	12,457.4	262.8	-49.5	19.39	19.39	0.00	36.7	-16.7	
12,654.0	81.41	180.32	12,462.7	236.3	-49.7	20.25	20.19	-1.63	32.5	-14.1	
12,723.0	88.92	179.18	12,468.6	167.6	-49.4	11.01	10.88	-1.65	19.4	-6.2	
12,818.0	90.99	177.24	12,468.6	72.7	-46.4	2.99	2.18	-2.04	6.6	7.6	
12,912.0	92.44	179.18	12,465.8	-21.2	-43.5	2.58	1.54	2.06	3.4	20.5	
13,007.0	90.64	179.62	12,463.3	-116.2	-42.5	1.95	-1.89	0.46	1.6	25.9	
13,101.0	93.10	182.25	12,460.2	-210.1	-44.0	3.83	2.62	2.80	-0.7	24.2	
13,196.0	93.63	182.34	12,454.6	-304.9	-47.8	0.57	0.56	0.09	-5.5	20.1	
13,290.0	90.90	181.11	12,450.9	-398.7	-50.7	3.18	-2.90	-1.31	-8.4	16.9	
13,384.0	90.29	181.02	12,449.9	-492.7	-52.4	0.66	-0.65	-0.10	-8.6	14.9	
13,479.0	90.29	181.37	12,449.4	-587.7	-54.4	0.37	0.00	0.37	-8.3	12.6	
13,573.0	89.63	180.93	12,449.5	-681.7	-56.3	0.84	-0.70	-0.47	-7.5	10.4	
13,668.0	91.03	180.41	12,449.0	-776.7	-57.4	1.57	1.47	-0.55	-7.2	8.9	
13,762.0	92.70	179.53	12,445.9	-870.6	-57.3	2.01	1.78	-0.94	-9.5	8.7	
13,856.0	92.75	180.14	12,441.4	-964.5	-57.1	0.65	0.05	0.65	-13.2	8.6	
13,951.0	92.35	179.44	12,437.2	-1,059.4	-56.7	0.85	-0.42	-0.74	-16.6	8.7	
14,045.0	91.21	179.70	12,434.3	-1,153.4	-56.0	1.24	-1.21	0.28	-18.8	9.0	
14,139.0	91.47	179.79	12,432.1	-1,247.3	-55.6	0.29	0.28	0.10	-20.2	9.1	
14,234.0	90.07	178.74	12,430.8	-1,342.3	-54.4	1.84	-1.47	-1.11	-20.7	10.0	
14,328.0	91.30	179.26	12,429.7	-1,436.3	-52.7	1.42	1.31	0.55	-21.0	11.4	
14,423.0	92.13	179.44	12,426.9	-1,531.2	-51.7	0.89	0.87	0.19	-23.1	12.1	
14,517.0	92.97	180.06	12,422.7	-1,625.1	-51.3	1.11	0.89	0.66	-26.5	12.2	
14,611.0	93.45	179.79	12,417.4	-1,719.0	-51.1	0.59	0.51	-0.29	-30.9	12.0	
14,706.0	92.31	180.32	12,412.6	-1,813.9	-51.2	1.32	-1.20	0.56	-34.9	11.6	



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #729H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb = 26' @ 3514.0usft
Site:	Ruthless 11 Fed Com	MD Reference:	kb = 26' @ 3514.0usft
Well:	#729H	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)
14,800.0	92.18	180.76	12,409.0	-1,907.8	-52.1	0.49	-0.14	0.47	-37.8	10.4
14,895.0	91.96	181.20	12,405.5	-2,002.7	-53.7	0.52	-0.23	0.46	-40.5	8.5
14,990.0	91.47	181.20	12,402.7	-2,097.7	-55.7	0.52	-0.52	0.00	-42.5	6.2
15,085.0	91.56	181.46	12,400.2	-2,192.6	-57.9	0.29	0.09	0.27	-44.3	3.6
15,180.0	90.99	181.55	12,398.1	-2,287.5	-60.4	0.61	-0.60	0.09	-45.6	0.8
15,275.0	92.18	181.11	12,395.4	-2,382.5	-62.6	1.34	1.25	-0.46	-47.3	-1.7
15,369.0	90.99	180.14	12,392.8	-2,476.4	-63.7	1.63	-1.27	-1.03	-48.9	-3.0
15,464.0	90.77	180.32	12,391.4	-2,571.4	-64.0	0.30	-0.23	0.19	-49.4	-3.7
15,559.0	90.77	180.41	12,390.1	-2,666.4	-64.6	0.09	0.00	0.09	-49.7	-4.6
15,654.0	91.25	180.14	12,388.4	-2,761.4	-65.1	0.58	0.51	-0.28	-50.4	-5.3
15,749.0	90.81	179.97	12,386.7	-2,856.4	-65.2	0.50	-0.46	-0.18	-51.1	-5.7
15,843.0	88.97	178.65	12,386.9	-2,950.4	-64.1	2.41	-1.96	-1.40	-49.9	-4.9
15,938.0	92.04	178.21	12,386.0	-3,045.3	-61.5	3.26	3.23	-0.46	-49.8	-2.5
16,032.0	92.92	178.83	12,382.0	-3,139.2	-59.0	1.14	0.94	0.66	-52.9	-0.4
16,127.0	92.40	179.09	12,377.6	-3,234.1	-57.3	0.61	-0.55	0.27	-56.3	1.0
16,221.0	92.35	179.44	12,373.7	-3,328.0	-56.1	0.38	-0.05	0.37	-59.2	1.9
16,316.0	92.00	179.00	12,370.1	-3,422.9	-54.8	0.59	-0.37	-0.46	-61.9	2.9
16,410.0	91.91	179.18	12,366.9	-3,516.8	-53.3	0.21	-0.10	0.19	-64.1	4.1
16,508.0	92.26	179.26	12,363.3	-3,614.8	-52.0	0.37	0.36	0.08	-66.6	5.2
16,602.0	90.33	180.23	12,361.2	-3,708.7	-51.6	2.30	-2.05	1.03	-67.8	5.3
16,696.0	89.49	180.06	12,361.3	-3,802.7	-51.8	0.91	-0.89	-0.18	-66.7	4.7
16,791.0	90.24	180.85	12,361.5	-3,897.7	-52.6	1.15	0.79	0.83	-65.5	3.7
16,885.0	90.55	184.01	12,360.9	-3,991.6	-56.5	3.38	0.33	3.36	-65.1	-0.6
16,980.0	91.69	180.94	12,359.0	-4,086.5	-60.6	3.45	1.20	-3.23	-66.0	-5.0
17,074.0	91.47	181.81	12,356.4	-4,180.5	-62.9	0.95	-0.23	0.93	-67.6	-7.5
17,169.0	91.25	182.60	12,354.2	-4,275.4	-66.6	0.86	-0.23	0.83	-68.8	-11.5
17,263.0	89.71	182.60	12,353.4	-4,369.3	-70.8	1.64	-1.64	0.00	-68.2	-16.1



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #729H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb = 26' @ 3514.0usft
Site:	Ruthless 11 Fed Com	MD Reference:	kb = 26' @ 3514.0usft
Well:	#729H	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)	
17,358.0	90.81	177.95	12,353.0	-4,464.2	-71.3	5.03	1.16	-4.89	-67.3	-16.7	
17,452.0	90.02	177.24	12,352.3	-4,558.1	-67.3	1.13	-0.84	-0.76	-66.6	-13.1	
17,547.0	90.81	177.95	12,351.6	-4,653.0	-63.3	1.12	0.83	0.75	-65.9	-9.4	
17,641.0	90.86	179.09	12,350.2	-4,747.0	-60.9	1.21	0.05	1.21	-65.9	-7.3	
17,735.0	92.31	178.83	12,347.6	-4,841.0	-59.2	1.57	1.54	-0.28	-67.1	-5.9	
17,830.0	90.64	179.09	12,345.2	-4,935.9	-57.5	1.78	-1.76	0.27	-68.2	-4.4	
17,924.0	89.63	179.53	12,345.0	-5,029.9	-56.4	1.17	-1.07	0.47	-67.0	-3.6	
18,019.0	87.74	178.91	12,347.1	-5,124.9	-55.1	2.09	-1.99	-0.65	-63.5	-2.6	
18,113.0	90.15	179.70	12,348.9	-5,218.8	-53.9	2.70	2.56	0.84	-60.4	-1.8	
18,207.0	89.80	179.62	12,348.9	-5,312.8	-53.4	0.38	-0.37	-0.09	-59.0	-1.5	
18,302.0	89.19	180.06	12,349.8	-5,407.8	-53.1	0.79	-0.64	0.46	-56.7	-1.5	
18,397.0	91.65	180.50	12,349.1	-5,502.8	-53.6	2.63	2.59	0.46	-56.1	-2.3	
18,489.0	91.38	180.14	12,346.6	-5,594.8	-54.1	0.49	-0.29	-0.39	-57.2	-3.1	
18,584.0	90.86	179.44	12,344.8	-5,689.8	-53.7	0.92	-0.55	-0.74	-57.6	-3.0	
18,678.0	90.29	179.18	12,343.8	-5,783.7	-52.6	0.67	-0.61	-0.28	-57.2	-2.2	
18,772.0	89.63	178.12	12,343.9	-5,877.7	-50.4	1.33	-0.70	-1.13	-55.8	-0.2	
18,867.0	90.24	177.86	12,344.0	-5,972.7	-47.0	0.70	0.64	-0.27	-54.3	2.8	
18,961.0	90.24	177.86	12,343.6	-6,066.6	-43.5	0.00	0.00	0.00	-53.3	6.0	
19,056.0	92.84	181.11	12,341.1	-6,161.5	-42.7	4.38	2.74	3.42	-54.5	6.5	
19,150.0	90.86	179.97	12,338.0	-6,255.5	-43.6	2.43	-2.11	-1.21	-56.2	5.4	
19,245.0	89.54	181.55	12,337.7	-6,350.5	-44.8	2.17	-1.39	1.66	-54.9	3.8	
19,339.0	88.97	181.37	12,338.9	-6,444.4	-47.2	0.64	-0.61	-0.19	-52.0	1.1	
19,439.0	90.90	179.44	12,339.0	-6,544.4	-47.9	2.73	1.93	-1.93	-50.1	0.1	
19,528.0	91.91	179.79	12,336.8	-6,633.4	-47.3	1.20	1.13	0.39	-50.6	0.4	
19,623.0	90.81	179.09	12,334.6	-6,728.3	-46.4	1.37	-1.16	-0.74	-51.2	1.1	
19,717.0	90.20	179.18	12,333.8	-6,822.3	-45.0	0.66	-0.65	0.10	-50.3	2.2	
19,812.0	92.18	179.70	12,331.8	-6,917.3	-44.1	2.15	2.08	0.55	-50.5	2.8	



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #729H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb = 26' @ 3514.0usft
Site:	Ruthless 11 Fed Com	MD Reference:	kb = 26' @ 3514.0usft
Well:	#729H	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)
19,906.0	92.92	179.00	12,327.6	-7,011.2	-43.0	1.08	0.79	-0.74	-53.0	3.6
20,000.0	91.43	182.34	12,324.0	-7,105.1	-44.1	3.89	-1.59	3.55	-54.8	2.2
20,095.0	90.15	181.29	12,322.7	-7,200.0	-47.1	1.74	-1.35	-1.11	-54.4	-1.1
20,189.0	89.27	180.23	12,323.2	-7,294.0	-48.3	1.47	-0.94	-1.13	-52.2	-2.6
20,284.0	88.66	180.14	12,324.9	-7,389.0	-48.7	0.65	-0.64	-0.09	-48.8	-3.2
20,379.0	90.33	180.85	12,325.8	-7,484.0	-49.5	1.91	1.76	0.75	-46.2	-4.3
20,473.0	90.46	180.14	12,325.1	-7,578.0	-50.3	0.77	0.14	-0.76	-45.2	-5.4
20,568.0	90.33	179.00	12,324.5	-7,673.0	-49.6	1.21	-0.14	-1.20	-44.1	-5.0
20,662.0	89.58	180.41	12,324.5	-7,767.0	-49.1	1.70	-0.80	1.50	-42.3	-4.8
20,756.0	89.10	179.70	12,325.6	-7,861.0	-49.2	0.91	-0.51	-0.76	-39.5	-5.2
20,851.0	92.31	180.32	12,324.4	-7,956.0	-49.2	3.44	3.38	0.65	-38.9	-5.5
20,945.0	92.00	180.06	12,320.9	-8,049.9	-49.5	0.43	-0.33	-0.28	-40.8	-6.1
21,040.0	90.55	179.97	12,318.8	-8,144.9	-49.5	1.53	-1.53	-0.09	-41.1	-6.4
21,134.0	90.51	179.70	12,317.9	-8,238.9	-49.3	0.29	-0.04	-0.29	-40.3	-6.5
21,229.0	89.76	179.00	12,317.7	-8,333.9	-48.2	1.08	-0.79	-0.74	-38.8	-5.7
21,323.0	89.67	178.83	12,318.2	-8,427.8	-46.4	0.20	-0.10	-0.18	-36.6	-4.2
21,417.0	89.32	179.44	12,319.0	-8,521.8	-45.0	0.75	-0.37	0.65	-34.1	-3.1
21,512.0	89.23	179.79	12,320.2	-8,616.8	-44.3	0.38	-0.09	0.37	-31.1	-2.7
21,606.0	89.85	180.58	12,321.0	-8,710.8	-44.6	1.07	0.66	0.84	-28.7	-3.3
21,700.0	90.90	180.85	12,320.3	-8,804.8	-45.8	1.15	1.12	0.29	-27.6	-4.8
21,795.0	91.52	181.29	12,318.3	-8,899.8	-47.6	0.80	0.65	0.46	-27.8	-6.9
21,889.0	90.99	181.29	12,316.3	-8,993.7	-49.7	0.56	-0.56	0.00	-28.2	-9.3
21,984.0	90.02	180.58	12,315.4	-9,088.7	-51.3	1.27	-1.02	-0.75	-27.3	-11.1
22,078.0	89.85	180.76	12,315.5	-9,182.7	-52.4	0.26	-0.18	0.19	-25.5	-12.5
22,172.0	88.57	179.53	12,316.8	-9,276.7	-52.6	1.89	-1.36	-1.31	-22.5	-13.0
22,267.0	91.38	179.62	12,316.9	-9,371.7	-51.9	2.96	2.96	0.09	-20.7	-12.6
22,362.0	90.07	178.74	12,315.7	-9,466.6	-50.5	1.66	-1.38	-0.93	-20.2	-11.5



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #729H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb = 26' @ 3514.0usft
Site:	Ruthless 11 Fed Com	MD Reference:	kb = 26' @ 3514.0usft
Well:	#729H	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)
22,456.0	89.67	178.65	12,315.9	-9,560.6	-48.4	0.44	-0.43	-0.10	-18.2	-9.7
22,487.0	89.36	178.74	12,316.2	-9,591.6	-47.7	1.04	-1.00	0.29	-17.4	-9.1
Final MWD Survey(MD=22487.0')										
22,685.0	89.36	178.74	12,318.4	-9,789.5	-43.3	0.00	0.00	0.00	-11.6	-5.3
Final Projection to Bit(MD=22685.0')										

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,950.0	11,902.1	566.6	-27.4	KOP, MD:11950.0', TVD:11902.1',N/S:566.6', E/W:-27.4', INC:3.19
12,044.7	11,996.5	559.9	-30.9	HL Crossing, MD:12044.7', TVD:11996.5',N/S:559.9', E/W:-30.9', INC:6.54
22,487.0	12,316.2	-9,591.6	-47.7	Final MWD Survey(MD=22487.0')
22,685.0	12,318.4	-9,789.5	-43.3	Final Projection to Bit(MD=22685.0')

Checked By: _____ Approved By: _____ Date: _____

I CERTIFY THIS SURVEY TO BE TRUE AND CORRECT TO THE BEST OF MY BELIEF AND KNOWLEDGE
KAY MADDOX 11/18/2023



Lea County, NM (NAD 83 NME)

Ruthless 11 Fed Com #729H

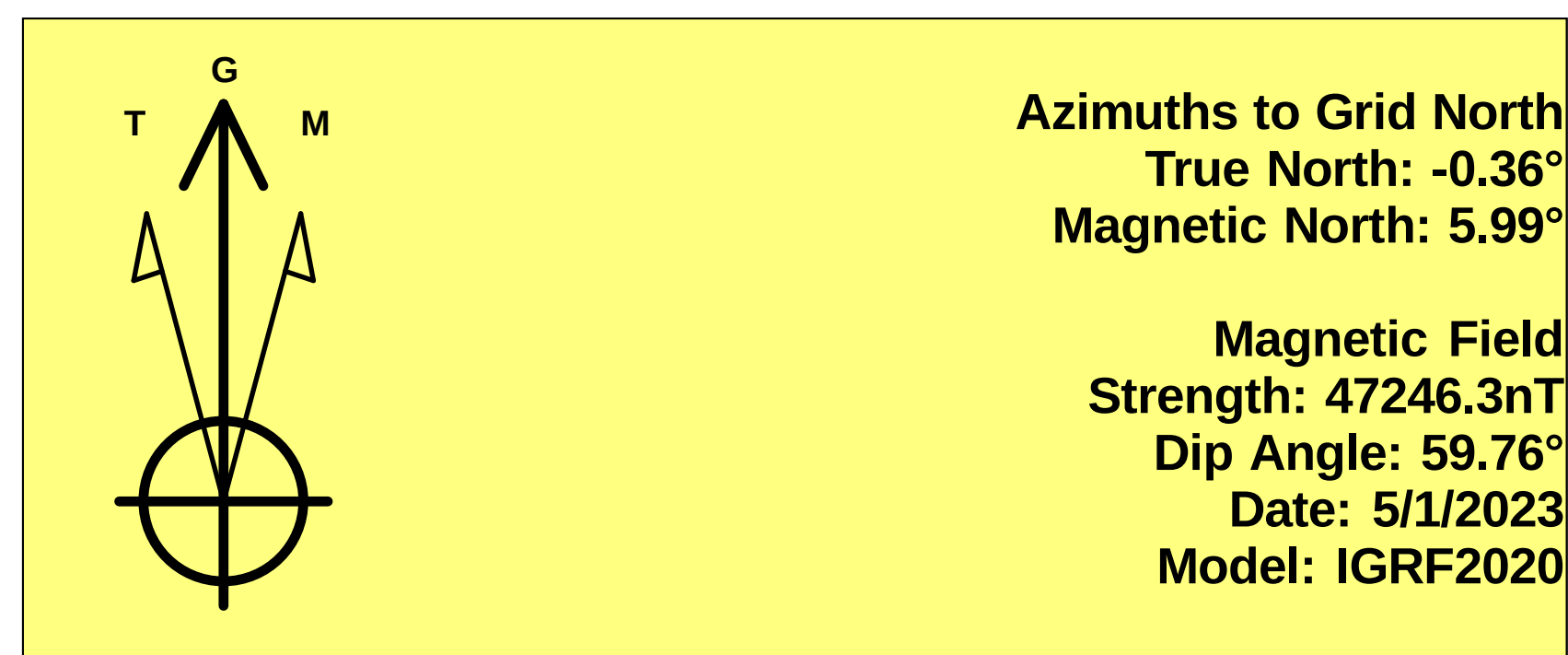
OH

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

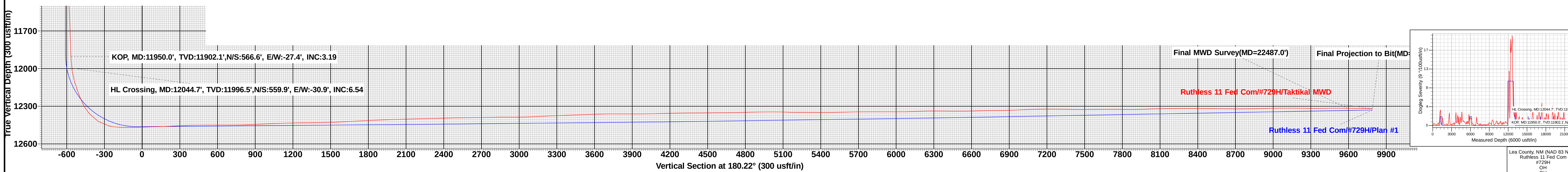
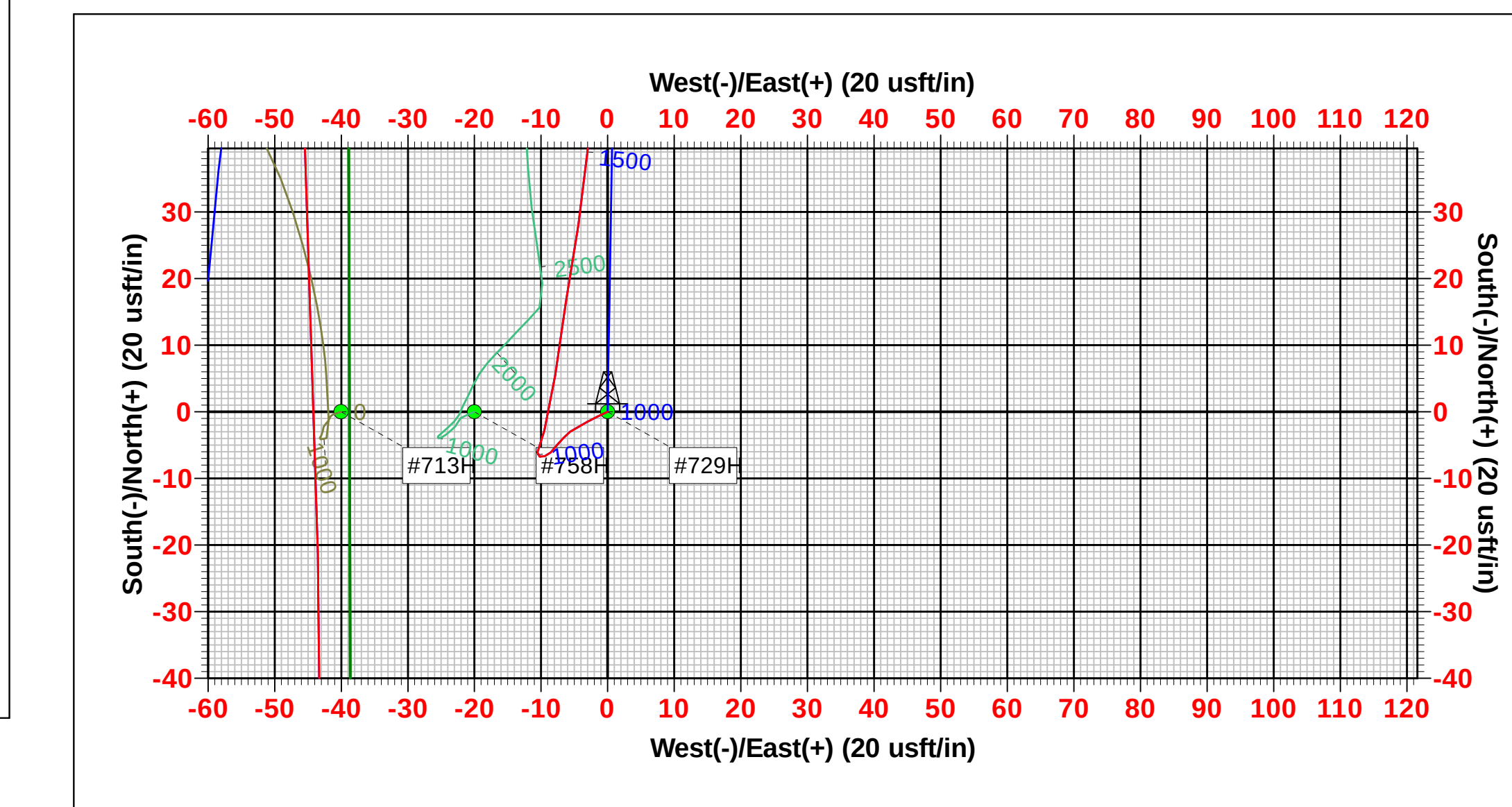
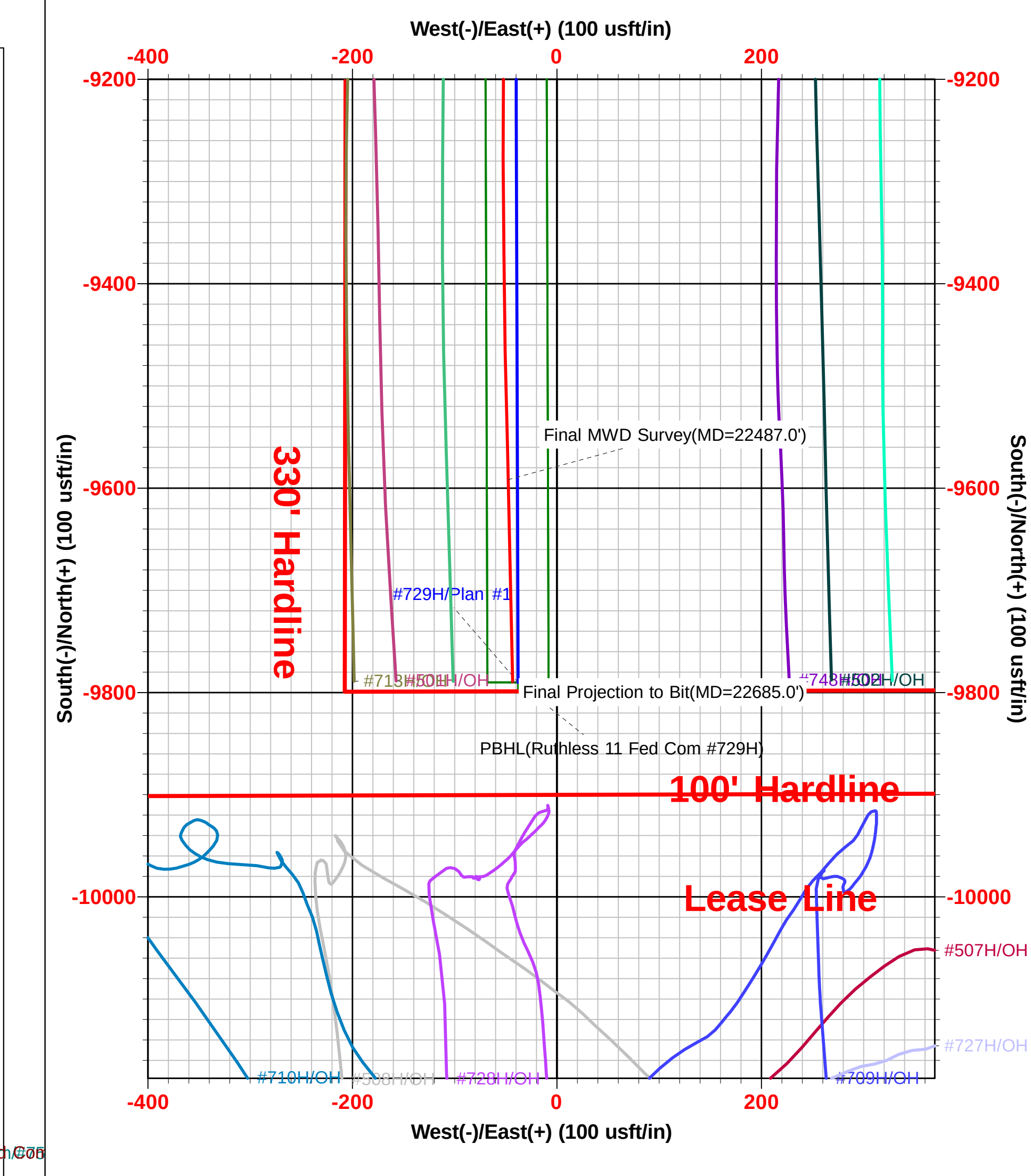
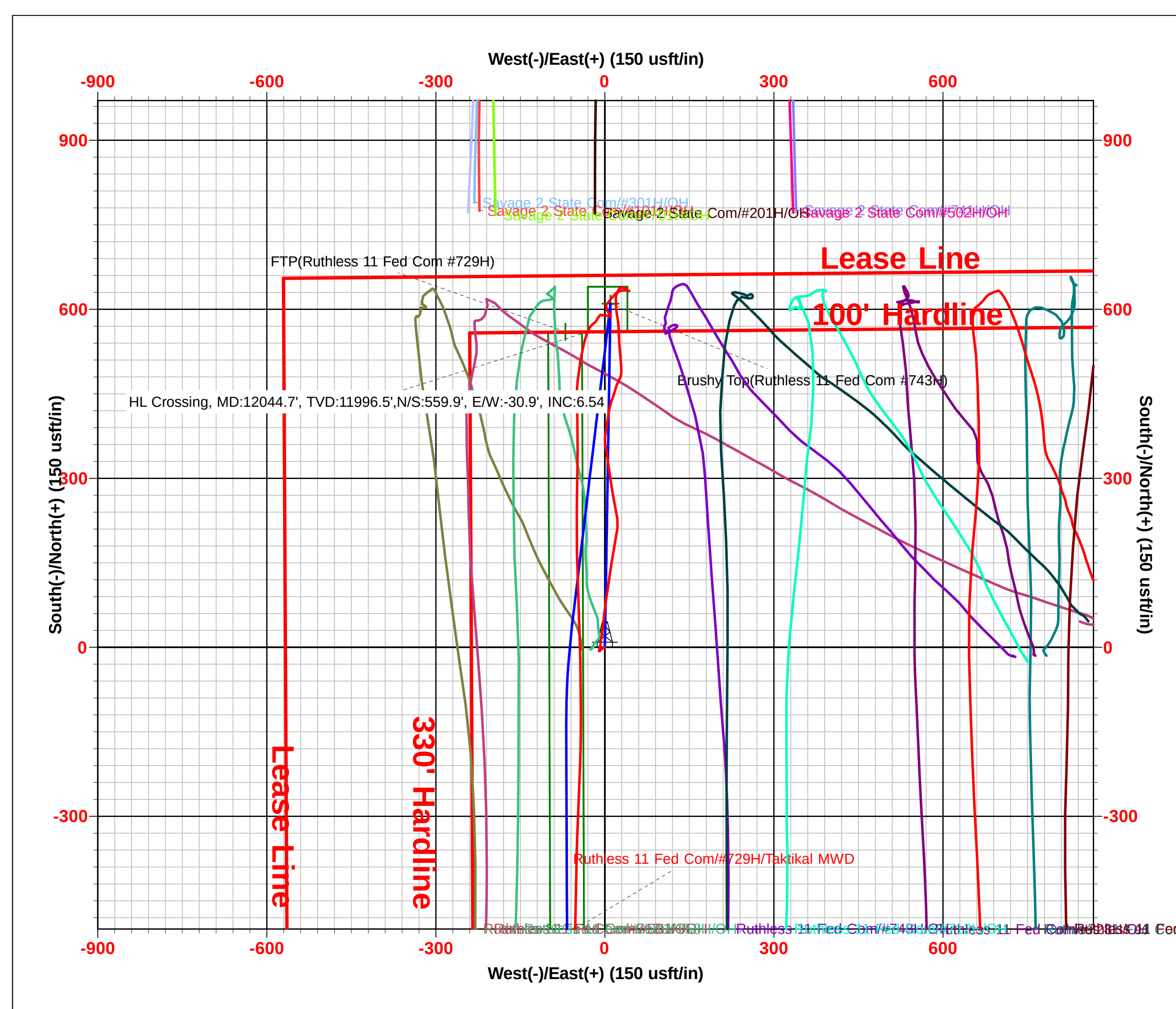
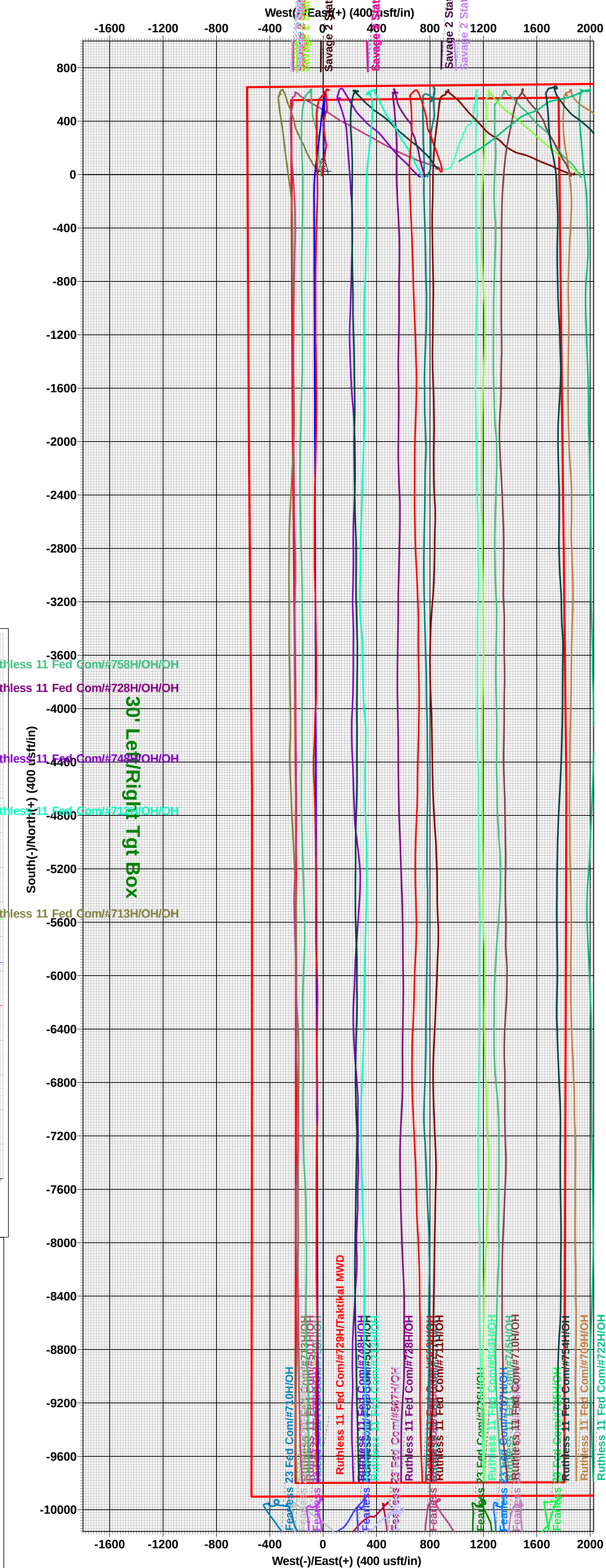
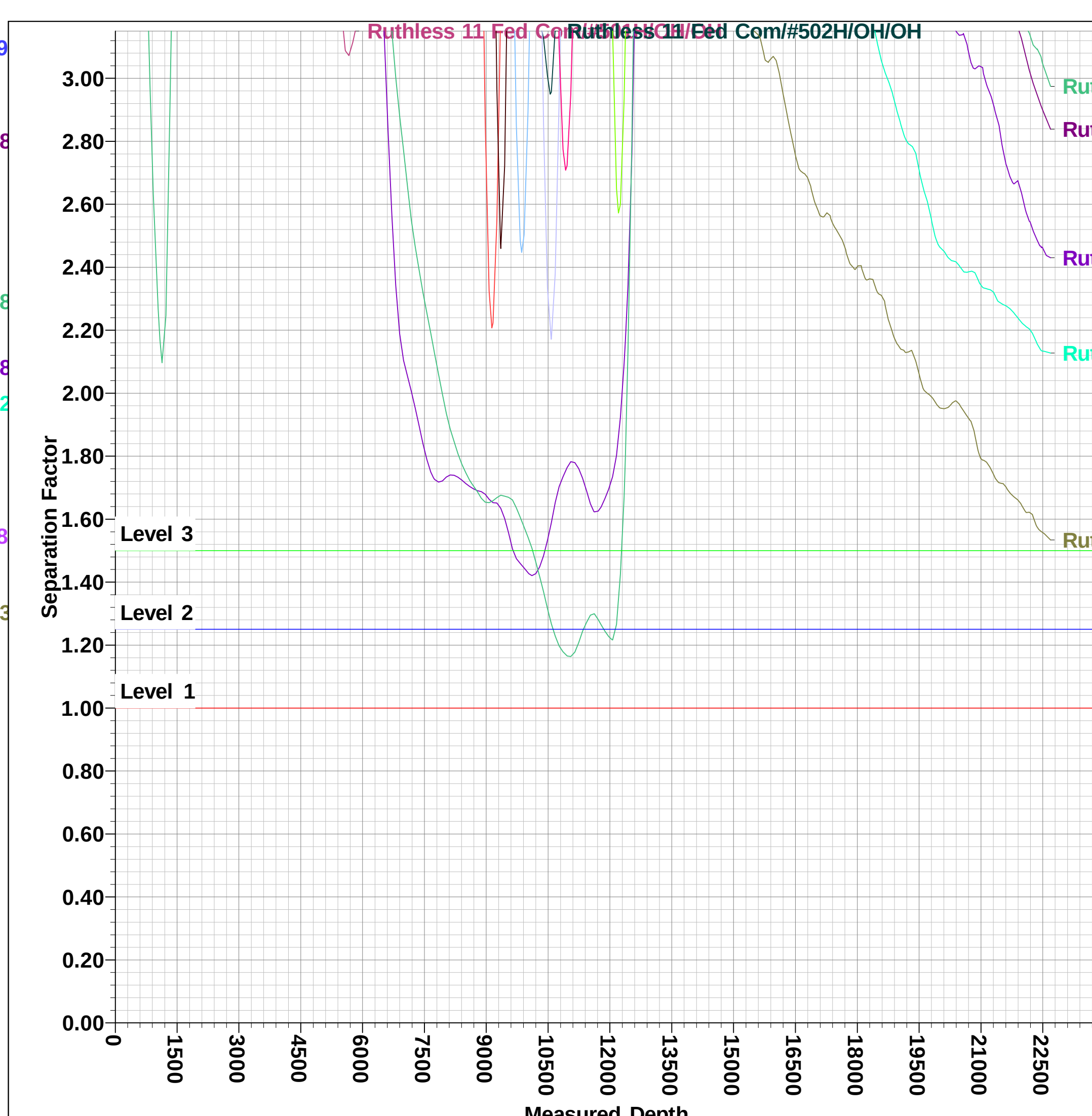
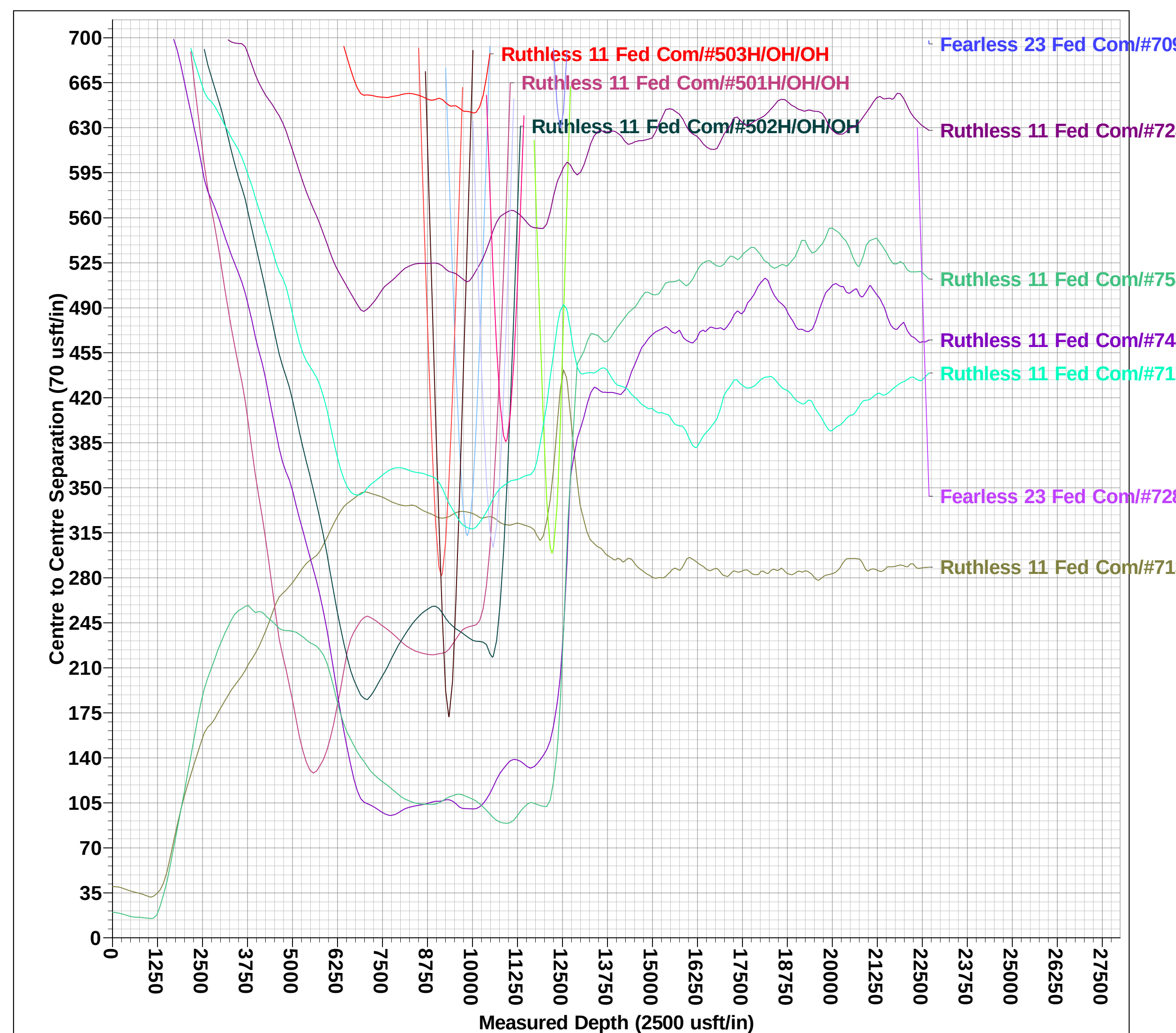
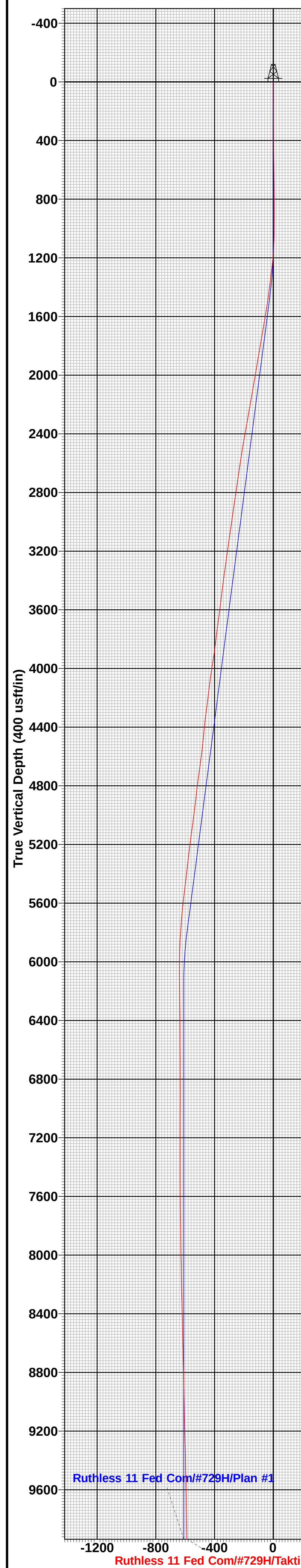
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #729H

kb = 26' @ 3514.0usft 3488.0
Northing 419142.00 Easting 752075.00 Latitude 32° 9' 1.684 N Longitude 103° 39' 8.645 W



To convert a Magnetic Direction to a Grid Direction, Add 5.99°
To convert a Magnetic Direction to a True Direction, Add 6.36° East
To convert a True Direction to a Grid Direction, Subtract 0.36°



Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised August 1, 2011					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG								1. WELL API NO. 30-025-51174		
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								5. Lease Name or Unit Agreement Name RUTHLESS 11 FEDERAL COM		
								6. Well Number: 729H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____										
8. Name of Operator EOG RESOURCES INC						9. OGRID 7377				
10. Address of Operator PO BOX 2267 MIDLAND, TEXAS 79702						11. Pool name or Wildcat WC025 G09 S253309P; UPPER WOLFCAMP				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	D	11	25S	32E		660	NORTH	567	WEST	LEA
BH:	M	14	25S	32E		109	SOUTH	495	WEST	LEA
13. Date Spudded 04/10/2023	14. Date T.D. Reached 06/29/2023		15. Date Rig Released 07/01/2023			16. Date Completed (Ready to Produce) 11/18/2023		17. Elevations (DF and RKB, RT, GR, etc.) 3488' GL		
18. Total Measured Depth of Well MD 22,685' TVD 12,318'			19. Plug Back Measured Depth MD 22,653' TVD 12,318'			20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run None		
22. Producing Interval(s), of this completion - Top, Bottom, Name WOLFCAMP 12,545 - 22,653'										
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		967'		13 1/2"		525 CL C/CIRC		
8 3/4"		38.5# ICYP 110		11,744'		9 7/8"		1845 CL C & H / 77' ECHO		
6"		24.5# ICYP 110		22,661'		7 7/8"		1520 CL H TOC 5020' 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) WOLFCAMP 12,545 - 22,653' 3 1/8", 2700 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						12,545 - 22,653'		FRAC W/24,560,960 proppant, 567,725 bbls load fld		
28. PRODUCTION										
Date First Production 11/18/2023		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Flowing				Well Status (<i>Prod. or Shut-in</i>) Producing				
Date of Test 11/22/2023	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 2184	Gas - MCF 6144	Water - Bbl. 6279	Gas - Oil Ratio 2814			
Flow Tubing Press.	Casing Pressure 3401	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (<i>Corr.</i>) 48				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) SOLD								30. Test Witnessed By		
31. List Attachments C-102, C-104, Directional Survey, H spacing										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.										
33. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude _____ Longitude _____ NAD 1927 1983										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief Signature Kay Maddox Name Kay Maddox Title Senior Regulatory Specialist Date 11/30/2023 E-mail Address kay_maddox@eogresources.com										

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

Southeastern New Mexico			Northwestern New Mexico			
T. Anhy	Rustler	816'	T. Canyon	Brushy 7274'	T. Ojo Alamo	T. Penn A"
T. Salt		1041'	T. Strawn		T. Kirtland	T. Penn. "B"
B. Salt		4541'	T. Atoka		T. Fruitland	T. Penn. "C"
T. Yates			T. Miss		T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers			T. Devonian		T. Cliff House	T. Leadville
T. Queen			T. Silurian		T. Menefee	T. Madison
T. Grayburg			T. Montoya		T. Point Lookout	T. Elbert
T. San Andres			T. Simpson		T. Mancos	T. McCracken
T. Glorieta			T. McKee		T. Gallup	T. Ignacio Otzte
T. Paddock			T. Ellenburger		Base Greenhorn	T. Granite
T. Blinebry			T. Gr. Wash		T. Dakota	
T. Tubb			T. Delaware Sand		T. Morrison	
T. Drinkard			T. Bone Springs		T. Todilto	
T. Abo			T. 1st BS Sand	9921'	T. Entrada	
T. Wolfcamp	12,154		T. 2nd BS Sand	10,481'	T. Wingate	
T. Penn			T. 3rd BS Sand	11,722'	T. Chinle	
T. Cisco (Bough C)			T.		T. Permian	

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

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

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

From	To	Thickness In Feet	Lithology

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 291293

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 291293
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

CONDITIONS

Action 291293

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 291293
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	10/10/2025