

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural
Resources

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

Oil Conservation Division
1220 South St. Francis Dr.

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE MINERAL AUTHORIZATION TO TRANSPORT

¹ Operator name and Address EOG RESOURCES INC PO BOX 2267 MIDLAND, TEXAS 79702		² OGRID Number 7377	
		³ Reason for Filing Code/ Effective Date NW 06/22/2022	
⁴ API Number 30 - 025-50076	⁵ Pool Name SANDERS TANK; UPPER WOLFCAMP		⁶ Pool Code 98097
⁷ Property Code 39814	⁸ Property Name OPHELIA 27		⁹ Well Number 901H

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
H	27	26S	33E		2480	NORTH	1005	EAST	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
I	22	26S	33E		2529	SOUTH	964	EAST	LEA
¹² Lse Code	¹³ Producing Method Code FLOWING	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
372812	EOGRM	OIL
151618	ENTERPRISE FIELD SERVICES	GAS
298751	REGENCY FIELD SERVICES	GAS
36785	DCP MIDSTREAM	GAS

IV. Well Completion Data

²¹ Spud Date 05/7/2022	²² Ready Date 06/22/2022	²³ TD 19,466	²⁴ PBDT 19,445	²⁵ Perforations 14,563 -19,445'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12 1/4	9 5/8"	948'	355 SXS CL C/CIRC		
8 3/4"	7 5/8"	12,987'	1885 SXS CL C & H/CIRC		
6 3/4"	5 1/2"	19,452'	520 SXS CL H TOC 8625' CBL		

V. Well Test Data

³¹ Date New Oil 06/22/2022	³² Gas Delivery Date 06/22/2022	³³ Test Date 07/11/2022	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 707
³⁷ Choke Size 128	³⁸ Oil 55	³⁹ Water 6635	⁴⁰ Gas 7552		⁴¹ Test Method
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: Kay Maddox			OIL CONSERVATION DIVISION Approved by: Title: Approval Date: 		
Printed name: Kay Maddox					
Title: SENIOR REGULATORY SPECIALIST					
E-mail Address: kay_maddox@eogresources.com					
Date: 07/20/2022		Phone: 432-638-8475			

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025- 50076	² Pool Code 98097	³ Pool Name SANDERS TANK; UPPER WOLFCAMP
⁴ Property Code 39814	⁵ Property Name OPHELIA 27	⁶ Well Number 901H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3293'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	27	26-S	33-E	-	2480'	NORTH	1005'	EAST	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
I	22	26-S	33-E	-	2529'	SOUTH	964'	EAST	LEA

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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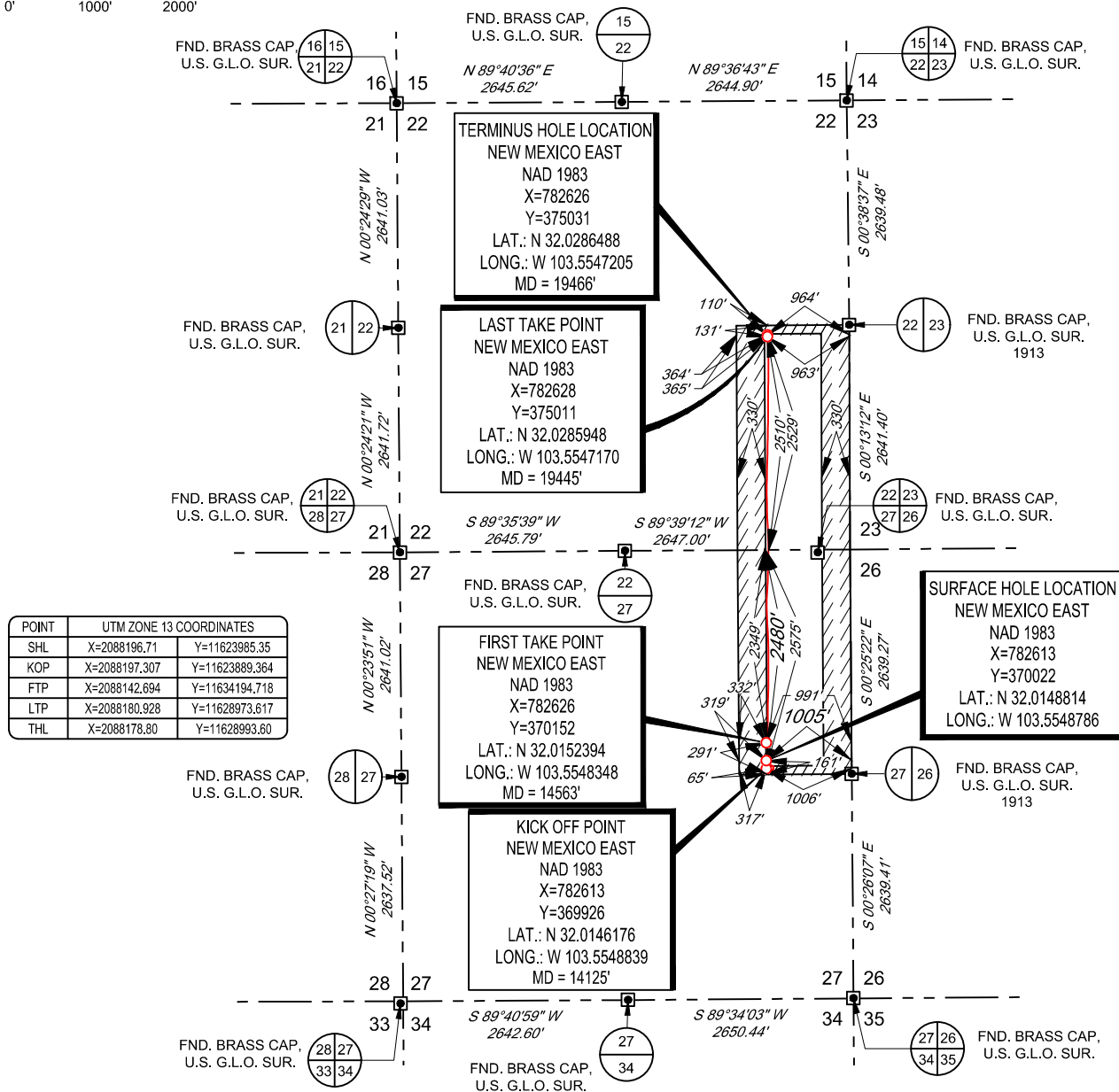
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶ 		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. Signature: <u>Kay Maddox</u> Date: <u>07/20/2022</u> Printed Name: <u>KAY MADDOX</u> E-mail Address: <u>KAY_MADDOX@EOGRESOURCES.COM</u>
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. Date of Survey: <u>03/30/2022</u> Signature and Seal of Professional Surveyor:		Certificate Number: _____

SCALE: 1" = 2000'

0' 1000' 2000'

SECTION 27, TOWNSHIP 26-S, RANGE 33-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



LEASE NAME & WELL NO.: OPHELIA 27 901H

SECTION 27 TWP 26-S RGE 33-E SURVEY N.M.P.M.

COUNTY LEA STATE NM ELEVATION 3293'

DESCRIPTION 2479' FNL & 1005' FEL



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
TEXAS FIRM REGISTRATION NO. 10042504
WWW.TOPOGRAPHIC.COM

eog resources, inc.

Ramon A. Dominguez, P.S. No. 24508
JUNE 27, 2022

OPHELIA 27 901H AS-COMPLETED	REVISION:	NOTES:
		1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
		2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.
		3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.
		4. ADJOINER INFORMATION SHOWN FOR INFORMATIONAL PURPOSES ONLY.
DATE:	06/27/2022	
FILE:	AD_OPHELIA_27_901H	
DRAWN BY:	GJU	
SHEET:	2 OF 2	



Midland

Lea County, NM (NAD 83 NME)

Ophelia 27

#901H

OH

Design: OH

Final PVA

06 June, 2022





Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #901H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3319.0usft
Site:	Ophelia 27	MD Reference:	KB = 26' @ 3319.0usft
Well:	#901H	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	Ophelia 27		
Site Position:		Northing:	370,022.00 usft
From:	Map	Easting:	782,613.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 0' 53.574 N
		Longitude:	103° 33' 17.568 W
		Grid Convergence:	0.41 °

Well		#901H				
Well Position	+N/-S	0.0 usft	Northing:	370,022.00 usft	Latitude:	32° 0' 53.574 N
	+E/-W	0.0 usft	Easting:	782,613.00 usft	Longitude:	103° 33' 17.568 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	usft	Ground Level:	3,293.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	5/12/2022	6.41	59.68	47,278.24186285

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	359.99	

Survey Program	Date	6/6/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
244.0	19,466.0	Altitude MWD (OH)	EOG MWD+IFR1	MWD + IFR1	



Final PVA



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Site:	Ophelia 27	MD Reference:	KB = 26' @ 3319.0usft
Well:	#901H	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	
244.0	1.24	212.54	244.0	-2.2	-1.4	0.51	0.51	0.00	-2.6	0.0	
301.0	1.08	216.22	301.0	-3.2	-2.1	0.31	-0.28	6.46	-3.8	0.2	
388.0	0.88	205.10	388.0	-4.4	-2.8	0.32	-0.23	-12.78	-5.2	-0.7	
475.0	0.89	206.46	474.9	-5.7	-3.4	0.03	0.01	1.56	-6.6	-0.5	
562.0	1.09	207.79	561.9	-7.0	-4.1	0.23	0.23	1.53	-8.1	-0.4	
651.0	1.12	193.22	650.9	-8.6	-4.7	0.32	0.03	-16.37	-9.4	-2.6	
749.0	1.06	200.57	748.9	-10.4	-5.2	0.16	-0.06	7.50	-11.5	-1.3	
845.0	1.07	223.70	844.9	-11.8	-6.2	0.44	0.01	24.09	-12.8	3.7	
895.0	1.31	220.76	894.9	-12.6	-6.9	0.50	0.48	-5.88	-14.0	3.0	
1,036.0	1.39	207.68	1,035.8	-15.4	-8.7	0.23	0.06	-9.28	-17.6	-0.6	
1,131.0	1.71	218.46	1,130.8	-17.5	-10.1	0.45	0.34	11.35	-20.0	2.9	
1,226.0	0.49	177.54	1,225.8	-19.0	-11.0	1.45	-1.28	-43.07	-18.5	-11.8	
1,321.0	0.92	90.57	1,320.8	-19.4	-10.2	1.07	0.45	-91.55	10.0	-19.5	
1,416.0	0.71	84.07	1,415.8	-19.4	-8.9	0.24	-0.22	-6.84	10.8	-18.3	
1,511.0	0.92	110.15	1,510.8	-19.6	-7.6	0.44	0.22	27.45	0.4	-21.0	
1,606.0	0.90	112.68	1,605.7	-20.1	-6.2	0.05	-0.02	2.66	-2.1	-20.9	
1,701.0	0.69	161.80	1,700.7	-20.9	-5.3	0.72	-0.22	51.71	-18.2	-11.6	
1,797.0	0.75	101.95	1,796.7	-21.6	-4.5	0.75	0.06	-62.34	-0.1	-22.1	
1,892.0	1.21	70.27	1,891.7	-21.4	-2.9	0.73	0.48	-33.35	10.0	-19.2	
1,988.0	1.33	73.19	1,987.7	-20.7	-0.9	0.14	0.12	3.04	6.9	-19.6	
2,083.0	1.67	92.34	2,082.7	-20.5	1.5	0.63	0.36	20.16	-2.3	-20.4	
2,179.0	2.31	95.10	2,178.6	-20.7	4.8	0.67	0.67	2.87	-6.7	-20.2	
2,275.0	1.69	68.63	2,274.5	-20.4	8.1	1.14	-0.65	-27.57	-0.1	-21.9	
2,370.0	1.07	41.64	2,369.5	-19.2	10.0	0.93	-0.65	-28.41	7.7	-20.2	
2,466.0	1.46	46.35	2,465.5	-17.7	11.5	0.42	0.41	4.91	3.9	-20.7	
2,561.0	2.12	50.62	2,560.4	-15.7	13.7	0.71	0.69	4.49	-0.6	-20.8	



Final PVA



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Site:	Ophelia 27	MD Reference:	KB = 26' @ 3319.0usft
Well:	#901H	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)	
2,657.0	0.50	300.83	2,656.4	-14.4	14.7	2.43	-1.69	-114.36	20.0	4.8	
2,752.0	1.52	267.07	2,751.4	-14.2	13.1	1.20	1.07	-35.54	12.3	14.9	
2,847.0	1.66	263.56	2,846.4	-14.5	10.5	0.18	0.15	-3.69	8.8	15.5	
2,943.0	0.81	296.70	2,942.4	-14.3	8.5	1.12	-0.89	34.52	14.0	9.0	
3,038.0	1.10	339.06	3,037.3	-13.2	7.6	0.78	0.31	44.59	15.0	-2.3	
3,133.0	1.35	349.70	3,132.3	-11.2	7.0	0.35	0.26	11.20	12.3	-4.9	
3,228.0	1.04	348.80	3,227.3	-9.3	6.7	0.33	-0.33	-0.95	10.4	-4.7	
3,323.0	1.21	288.96	3,322.3	-8.1	5.5	1.19	0.18	-62.99	7.9	5.9	
3,417.0	1.13	254.10	3,416.3	-8.0	3.7	0.75	-0.09	-37.09	1.4	8.7	
3,513.0	1.30	221.90	3,512.2	-9.1	2.1	0.72	0.18	-33.54	-5.4	7.6	
3,607.0	1.26	139.24	3,606.2	-10.7	2.0	1.80	-0.04	-87.94	-9.4	-5.4	
3,702.0	2.49	117.01	3,701.2	-12.4	4.6	1.48	1.29	-23.40	-9.7	-9.0	
3,796.0	2.92	116.11	3,795.1	-14.4	8.5	0.46	0.46	-0.96	-14.0	-9.2	
3,891.0	2.18	119.60	3,890.0	-16.3	12.3	0.80	-0.78	3.67	-18.7	-8.1	
3,986.0	1.98	279.44	3,985.0	-17.0	12.2	4.31	-0.21	168.25	14.8	14.7	
4,081.0	1.95	266.44	4,079.9	-16.8	9.0	0.47	-0.03	-13.68	7.9	17.3	
4,177.0	0.76	14.33	4,175.9	-16.3	7.5	2.40	-1.24	112.39	13.9	-11.3	
4,272.0	1.56	46.50	4,270.9	-14.8	8.6	1.05	0.84	33.86	3.9	-16.6	
4,367.0	2.35	93.12	4,365.8	-14.0	11.5	1.80	0.83	49.07	-12.2	-13.3	
4,463.0	3.88	119.14	4,461.7	-15.7	16.3	2.13	1.59	27.10	-21.9	-5.8	
4,558.0	2.41	136.84	4,556.5	-18.7	20.5	1.84	-1.55	18.63	-27.6	2.1	
4,653.0	3.07	137.54	4,651.4	-22.0	23.6	0.70	0.69	0.74	-32.2	2.5	
4,749.0	4.19	133.53	4,747.2	-26.3	27.8	1.20	1.17	-4.18	-38.3	0.1	
4,844.0	2.09	141.23	4,842.1	-30.1	31.4	2.25	-2.21	8.11	-42.6	5.6	
4,939.0	1.15	139.10	4,937.0	-32.2	33.1	0.99	-0.99	-2.24	-42.3	3.7	
5,034.0	1.33	142.73	5,032.0	-33.8	34.4	0.21	0.19	3.82	-40.2	5.9	
5,129.0	1.33	137.00	5,127.0	-35.4	35.9	0.14	0.00	-6.03	-39.0	1.6	



Final PVA



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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)
5,224.0	1.23	130.91	5,222.0	-36.9	37.4	0.18	-0.11	-6.41	-37.2	-2.4
5,320.0	1.19	137.68	5,317.9	-38.3	38.8	0.15	-0.04	7.05	-35.4	1.9
5,415.0	1.46	135.34	5,412.9	-39.9	40.3	0.29	0.28	-2.46	-33.7	0.4
5,510.0	1.51	143.05	5,507.9	-41.8	41.9	0.22	0.05	8.12	-32.0	4.6
5,605.0	1.53	140.97	5,602.9	-43.8	43.5	0.06	0.02	-2.19	-30.8	2.9
5,701.0	1.23	113.89	5,698.8	-45.2	45.2	0.74	-0.31	-28.21	-27.3	-10.6
5,796.0	1.05	138.95	5,793.8	-46.2	46.7	0.55	-0.19	26.38	-27.2	2.1
5,891.0	0.84	122.24	5,888.8	-47.3	47.9	0.36	-0.22	-17.59	-24.4	-5.2
5,986.0	1.97	114.97	5,983.8	-48.3	50.0	1.20	1.19	-7.65	-22.3	-7.0
6,081.0	3.72	119.98	6,078.6	-50.6	54.1	1.86	1.84	5.27	-23.8	-3.9
6,176.0	3.62	123.75	6,173.4	-53.8	59.3	0.27	-0.11	3.97	-26.3	-1.4
6,270.0	3.52	122.13	6,267.3	-57.0	64.2	0.15	-0.11	-1.72	-28.4	-1.4
6,366.0	3.52	109.65	6,363.1	-59.5	69.5	0.80	0.00	-13.00	-29.7	-6.5
6,461.0	3.34	104.72	6,457.9	-61.2	74.9	0.36	-0.19	-5.19	-31.4	-7.3
6,556.0	3.19	108.08	6,552.8	-62.7	80.1	0.26	-0.16	3.54	-33.7	-3.6
6,651.0	2.92	105.62	6,647.6	-64.2	84.9	0.32	-0.28	-2.59	-35.2	-3.3
6,747.0	2.07	105.58	6,743.5	-65.3	89.0	0.89	-0.89	-0.04	-36.0	-1.4
6,843.0	0.76	216.77	6,839.5	-66.3	90.2	2.55	-1.36	115.82	12.2	31.8
6,939.0	1.22	232.20	6,935.5	-67.4	89.1	0.55	0.48	16.07	18.1	23.7
7,034.0	1.20	210.11	7,030.5	-68.9	87.8	0.49	-0.02	-23.25	6.9	24.7
7,130.0	1.48	226.25	7,126.5	-70.6	86.4	0.49	0.29	16.81	11.2	18.2
7,225.0	1.76	231.23	7,221.4	-72.4	84.3	0.33	0.29	5.24	9.6	13.4
7,320.0	0.49	142.91	7,316.4	-73.6	83.4	1.91	-1.34	-92.97	-9.8	8.0
7,511.0	0.81	120.47	7,507.4	-75.0	85.1	0.21	0.17	-11.75	-6.7	5.3
7,605.0	1.25	149.26	7,601.4	-76.2	86.2	0.71	0.47	30.63	-1.2	7.2
7,700.0	0.27	239.82	7,696.4	-77.2	86.5	1.35	-1.03	95.33	6.1	-1.3
7,796.0	0.51	311.67	7,792.4	-77.0	86.0	0.52	0.25	74.84	-0.8	-6.0



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #901H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3319.0usft
Site:	Ophelia 27	MD Reference:	KB = 26' @ 3319.0usft
Well:	#901H	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)
7,891.0	0.33	308.24	7,887.4	-76.6	85.5	0.19	-0.19	-3.61	-1.2	-6.1
7,947.0	0.11	211.15	7,943.4	-76.5	85.3	0.64	-0.39	-173.37	6.2	-0.6
8,083.0	0.24	153.45	8,079.4	-76.9	85.4	0.15	0.10	-42.43	3.4	4.8
8,178.0	0.69	163.17	8,174.4	-77.6	85.6	0.48	0.47	10.23	3.4	4.2
8,274.0	0.89	159.08	8,270.3	-78.9	86.1	0.22	0.21	-4.26	1.8	4.4
8,369.0	1.18	169.35	8,365.3	-80.5	86.5	0.36	0.31	10.81	0.8	4.1
8,464.0	1.32	177.56	8,460.3	-82.6	86.8	0.24	0.15	8.64	-0.7	4.1
8,560.0	1.37	183.99	8,556.3	-84.8	86.7	0.17	0.05	6.70	-2.4	4.3
8,656.0	1.47	174.81	8,652.3	-87.2	86.7	0.26	0.10	-9.56	-5.5	3.7
8,752.0	1.60	177.62	8,748.2	-89.8	86.9	0.16	0.14	2.93	-7.8	4.0
8,846.0	1.46	192.16	8,842.2	-92.2	86.7	0.44	-0.15	15.47	-9.1	6.1
8,942.0	1.30	194.88	8,938.2	-94.5	86.2	0.18	-0.17	2.83	-11.1	6.6
9,037.0	1.53	209.19	9,033.1	-96.6	85.3	0.44	0.24	15.06	-11.4	9.4
9,133.0	1.32	202.19	9,129.1	-98.8	84.2	0.28	-0.22	-7.29	-14.8	7.8
9,228.0	0.95	224.79	9,224.1	-100.3	83.3	0.60	-0.39	23.79	-12.5	13.3
9,324.0	0.91	230.28	9,320.1	-101.4	82.1	0.10	-0.04	5.72	-12.7	14.5
9,419.0	0.94	245.11	9,415.1	-102.2	80.8	0.25	0.03	15.61	-10.1	17.5
9,515.0	1.25	257.04	9,511.0	-102.8	79.1	0.40	0.32	12.43	-8.1	19.4
9,609.0	1.57	221.30	9,605.0	-104.0	77.3	0.98	0.34	-38.02	-20.0	10.4
9,705.0	1.61	209.54	9,701.0	-106.1	75.7	0.34	0.04	-12.25	-24.3	5.9
9,800.0	1.30	230.39	9,795.9	-108.0	74.2	0.64	-0.33	21.95	-23.0	14.6
9,895.0	1.34	237.74	9,890.9	-109.3	72.5	0.18	0.04	7.74	-23.1	17.6
9,991.0	1.16	215.06	9,986.9	-110.7	71.0	0.54	-0.19	-23.62	-30.1	6.9
10,087.0	1.44	234.92	10,082.9	-112.1	69.4	0.55	0.29	20.69	-28.1	17.0
10,182.0	1.41	225.34	10,177.8	-113.6	67.6	0.25	-0.03	-10.08	-32.9	11.9
10,277.0	1.45	206.37	10,272.8	-115.5	66.2	0.50	0.04	-19.97	-37.3	0.2
10,373.0	2.19	252.61	10,368.8	-117.2	63.9	1.65	0.77	48.17	-28.3	27.9

Company:	Midland	Local Co-ordinate Reference:	Well #901H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3319.0usft
Site:	Ophelia 27	MD Reference:	KB = 26' @ 3319.0usft
Well:	#901H	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)
10,469.0	3.67	258.85	10,464.6	-118.3	59.2	1.57	1.54	6.50	-30.0	31.1
10,564.0	1.89	269.86	10,559.5	-118.9	54.6	1.95	-1.87	11.59	-28.1	36.8
10,659.0	1.64	263.58	10,654.5	-119.1	51.7	0.33	-0.26	-6.61	-34.8	33.3
10,755.0	1.58	272.09	10,750.4	-119.2	49.0	0.26	-0.06	8.86	-32.2	38.3
10,850.0	1.39	285.84	10,845.4	-118.8	46.6	0.42	-0.20	14.47	-24.6	45.2
10,946.0	1.28	303.52	10,941.4	-117.9	44.6	0.44	-0.11	18.42	-11.9	50.9
11,041.0	2.08	333.38	11,036.3	-115.8	42.9	1.22	0.84	31.43	12.3	50.6
11,231.0	1.37	339.17	11,226.3	-110.6	40.6	0.38	-0.37	3.05	11.2	46.5
11,326.0	1.06	274.45	11,321.2	-109.4	39.3	1.40	-0.33	-68.13	-37.1	28.0
11,422.0	1.44	275.55	11,417.2	-109.3	37.2	0.40	0.40	1.15	-37.2	27.6
11,517.0	1.63	259.73	11,512.2	-109.4	34.7	0.49	0.20	-16.65	-44.1	15.5
11,612.0	1.83	233.80	11,607.1	-110.5	32.2	0.84	0.21	-27.29	-47.4	-5.7
11,707.0	1.67	239.21	11,702.1	-112.1	29.7	0.24	-0.17	5.69	-48.8	-1.0
11,803.0	0.77	198.18	11,798.1	-113.5	28.3	1.25	-0.94	-42.74	-36.4	-32.5
11,898.0	1.32	229.25	11,893.1	-114.8	27.3	0.81	0.58	32.71	-47.8	-8.3
11,993.0	1.05	227.07	11,988.0	-116.1	25.8	0.29	-0.28	-2.29	-47.7	-9.8
12,088.0	1.53	216.97	12,083.0	-117.7	24.4	0.56	0.51	-10.63	-45.7	-17.4
12,183.0	1.32	213.53	12,178.0	-119.6	23.1	0.24	-0.22	-3.62	-45.3	-19.4
12,278.0	1.53	221.48	12,273.0	-121.5	21.6	0.30	0.22	8.37	-48.2	-12.2
12,374.0	1.00	257.63	12,368.9	-122.6	20.0	0.97	-0.55	37.66	-46.2	18.8
12,469.0	1.37	252.58	12,463.9	-123.1	18.1	0.40	0.39	-5.32	-47.9	14.2
12,564.0	1.42	265.72	12,558.9	-123.6	15.8	0.34	0.05	13.83	-44.0	24.1
12,660.0	1.93	272.22	12,654.8	-123.6	13.0	0.57	0.53	6.77	-42.2	28.1
12,754.0	2.68	263.70	12,748.8	-123.8	9.2	0.88	0.80	-9.06	-48.1	20.6
12,850.0	1.85	265.88	12,844.7	-124.1	5.5	0.87	-0.86	2.27	-49.4	21.7
13,022.0	1.14	290.10	13,016.6	-123.7	1.1	0.54	-0.41	14.08	-38.2	38.7
13,117.0	2.06	1.94	13,111.6	-121.7	0.3	2.13	0.97	75.62	21.8	47.8



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #901H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3319.0usft
Site:	Ophelia 27	MD Reference:	KB = 26' @ 3319.0usft
Well:	#901H	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)	
13,212.0	2.79	16.62	13,206.5	-117.8	1.0	1.00	0.77	15.45	27.9	39.8	
13,307.0	1.91	8.73	13,301.4	-114.0	1.9	0.98	-0.93	-8.31	17.2	41.5	
13,402.0	1.92	7.58	13,396.4	-110.9	2.3	0.04	0.01	-1.21	12.1	40.4	
13,496.0	1.29	11.69	13,490.4	-108.3	2.8	0.68	-0.67	4.37	11.2	38.2	
13,592.0	1.18	351.33	13,586.3	-106.2	2.8	0.47	-0.11	-21.21	-5.5	37.6	
13,687.0	1.44	336.55	13,681.3	-104.2	2.2	0.45	0.27	-15.56	-17.2	32.9	
13,782.0	1.25	336.66	13,776.3	-102.1	1.3	0.20	-0.20	0.12	-19.6	31.1	
13,878.0	0.92	321.45	13,872.3	-100.6	0.4	0.45	-0.34	-15.84	-28.6	22.8	
13,973.0	0.72	338.40	13,967.3	-99.4	-0.3	0.33	-0.21	17.84	-22.3	28.6	
14,065.0	0.70	333.77	14,059.2	-98.4	-0.7	0.07	-0.02	-5.03	-25.7	24.9	
14,125.0	3.92	358.24	14,119.2	-96.0	-1.0	5.50	5.37	40.78	-16.0	32.4	
KOP, MD:14125.0', TVD:14119.2', N/S:-96.0', E/W:-1.0', INC:3.92											
14,160.0	5.84	359.90	14,154.1	-93.0	-1.0	5.50	5.48	4.75	-16.9	32.3	
14,256.0	18.96	8.00	14,247.6	-72.6	1.2	13.75	13.67	8.44	-16.5	31.0	
14,288.0	24.78	9.30	14,277.3	-60.8	3.0	18.25	18.19	4.07	-18.3	29.2	
FTP Crossing, MD:14288.0', TVD:14277.3', N/S:-60.8', E/W:3.0', INC:24.78											
14,352.0	36.44	10.72	14,332.3	-28.8	8.7	18.25	18.22	2.21	-25.7	23.8	
14,447.0	48.67	1.94	14,402.2	34.9	15.2	14.29	12.87	-9.24	-42.2	12.7	
14,542.0	58.27	356.25	14,458.7	111.1	13.8	11.19	10.11	-5.99	-54.2	9.5	
14,637.0	65.95	357.11	14,503.1	194.8	8.9	8.12	8.08	0.91	-58.6	14.2	
14,732.0	73.18	2.92	14,536.3	283.7	9.0	9.52	7.61	6.12	-53.5	15.3	
14,828.0	79.21	4.07	14,559.2	376.7	14.7	6.39	6.28	1.20	-38.8	8.8	
14,923.0	83.92	1.28	14,573.1	470.6	19.1	5.75	4.96	-2.94	-22.4	4.3	
14,948.0	86.40	0.22	14,575.2	495.5	19.4	10.78	9.92	-4.24	-19.6	3.9	
15,019.0	87.97	0.41	14,578.7	566.4	19.8	2.23	2.21	0.27	-14.2	3.5	
15,114.0	93.01	0.67	14,577.9	661.4	20.7	5.31	5.31	0.27	-12.5	2.5	
15,209.0	94.47	1.09	14,571.7	756.1	22.2	1.60	1.54	0.44	-16.2	1.0	



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #901H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3319.0usft
Site:	Ophelia 27	MD Reference:	KB = 26' @ 3319.0usft
Well:	#901H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	PEDM

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
15,304.0	92.31	1.21	14,566.1	851.0	24.1	2.28	-2.27	0.13	-19.2	-1.0
15,399.0	90.57	0.35	14,563.7	945.9	25.4	2.04	-1.83	-0.91	-19.1	-2.3
15,495.0	91.95	1.18	14,561.6	1,041.9	26.6	1.68	1.44	0.86	-18.6	-3.7
15,590.0	90.91	359.59	14,559.2	1,136.8	27.3	2.00	-1.09	-1.67	-18.5	-4.3
15,685.0	90.83	359.17	14,557.8	1,231.8	26.3	0.45	-0.08	-0.44	-17.4	-3.4
15,780.0	91.67	358.98	14,555.7	1,326.8	24.7	0.91	0.88	-0.20	-16.9	-1.9
15,875.0	92.56	358.07	14,552.2	1,421.7	22.3	1.34	0.94	-0.96	-18.4	0.1
15,970.0	91.55	357.00	14,548.8	1,516.5	18.2	1.55	-1.06	-1.13	-20.1	3.6
16,065.0	91.95	357.12	14,545.9	1,611.4	13.3	0.44	0.42	0.13	-21.4	7.9
16,160.0	94.90	357.99	14,540.2	1,706.1	9.3	3.24	3.11	0.92	-25.3	11.3
16,255.0	96.42	358.88	14,530.9	1,800.6	6.7	1.85	1.60	0.94	-33.0	13.3
16,349.0	95.28	1.00	14,521.3	1,894.1	6.6	2.55	-1.21	2.26	-41.0	12.7
16,464.0	90.21	3.48	14,515.8	2,008.8	11.1	4.91	-4.41	2.16	-44.5	7.4
16,578.0	88.14	2.89	14,517.4	2,122.6	17.4	1.89	-1.82	-0.52	-40.8	0.4
16,635.0	88.16	2.80	14,519.2	2,179.5	20.3	0.16	0.04	-0.16	-38.0	-2.8
16,731.0	87.85	1.62	14,522.6	2,275.4	24.0	1.27	-0.32	-1.23	-33.1	-7.1
16,827.0	89.17	0.39	14,525.1	2,371.4	25.6	1.88	1.37	-1.28	-30.2	-9.4
16,922.0	89.70	0.17	14,526.0	2,466.4	26.1	0.60	0.56	-0.23	-28.8	-10.5
17,018.0	90.71	359.10	14,525.7	2,562.3	25.5	1.53	1.05	-1.11	-28.8	-10.5
17,114.0	91.19	358.15	14,524.1	2,658.3	23.2	1.11	0.50	-0.99	-30.0	-8.8
17,210.0	92.20	357.01	14,521.2	2,754.2	19.1	1.59	1.05	-1.19	-32.4	-5.4
17,305.0	93.26	356.71	14,516.7	2,848.9	13.9	1.16	1.12	-0.32	-36.6	-0.8
17,400.0	92.64	358.76	14,511.8	2,943.7	10.2	2.25	-0.65	2.16	-41.1	2.3
17,495.0	93.16	358.49	14,507.0	3,038.6	7.9	0.62	0.55	-0.28	-45.5	4.0
17,591.0	90.99	359.82	14,503.5	3,134.5	6.5	2.65	-2.26	1.39	-48.6	4.7
17,686.0	91.73	0.14	14,501.3	3,229.5	6.5	0.85	0.78	0.34	-50.4	4.2
17,781.0	89.93	1.45	14,499.9	3,324.4	7.8	2.34	-1.89	1.38	-51.4	2.2



Final PVA



Company:	Midland	Local Co-ordinate Reference:	Well #901H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3319.0usft
Site:	Ophelia 27	MD Reference:	KB = 26' @ 3319.0usft
Well:	#901H	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)
17,877.0	90.21	1.88	14,499.8	3,420.4	10.6	0.53	0.29	0.45	-51.1	-1.2
17,973.0	89.54	1.34	14,500.0	3,516.4	13.3	0.90	-0.70	-0.56	-50.5	-4.5
18,068.0	89.62	1.26	14,500.7	3,611.3	15.4	0.12	0.08	-0.08	-49.5	-7.3
18,163.0	89.79	0.60	14,501.2	3,706.3	17.0	0.72	0.18	-0.69	-49.0	-9.4
18,259.0	89.76	0.67	14,501.6	3,802.3	18.0	0.08	-0.03	0.07	-49.0	-11.1
18,354.0	90.94	1.42	14,501.0	3,897.3	19.8	1.47	1.24	0.79	-50.0	-13.5
18,450.0	90.46	0.77	14,499.8	3,993.3	21.6	0.84	-0.50	-0.68	-51.6	-15.9
18,545.0	90.57	0.44	14,499.0	4,088.2	22.6	0.37	0.12	-0.35	-52.9	-17.6
18,641.0	91.14	0.13	14,497.5	4,184.2	23.1	0.68	0.59	-0.32	-54.8	-18.7
18,736.0	89.40	0.01	14,497.1	4,279.2	23.2	1.84	-1.83	-0.13	-55.6	-19.4
18,832.0	90.29	0.36	14,497.3	4,375.2	23.5	1.00	0.93	0.36	-55.8	-20.3
18,927.0	92.20	1.53	14,495.3	4,470.2	25.1	2.36	2.01	1.23	-58.3	-22.5
19,023.0	90.15	359.73	14,493.3	4,566.2	26.1	2.84	-2.14	-1.87	-60.7	-24.2
19,118.0	91.47	358.96	14,492.0	4,661.1	25.0	1.61	1.39	-0.81	-62.5	-23.8
19,213.0	91.55	0.00	14,489.5	4,756.1	24.2	1.10	0.08	1.09	-65.4	-23.5
19,309.0	90.77	357.31	14,487.5	4,852.0	21.9	2.92	-0.81	-2.80	-67.8	-21.9
19,400.0	91.44	356.46	14,485.8	4,942.9	17.0	1.19	0.74	-0.93	-69.9	-17.5
Last MWD Survey (MD=19400.0')										
19,466.0	91.44	356.46	14,484.1	5,008.7	12.9	0.00	0.00	0.00	-71.9	-13.9
Projection to Bit (MD=19466.0')										



Final PVA



Company: Midland
Project: Lea County, NM (NAD 83 NME)
Site: Ophelia 27
Well: #901H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #901H
TVD Reference: KB = 26' @ 3319.0usft
MD Reference: KB = 26' @ 3319.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: PEDM

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
14,125.0	14,119.2	-96.0	-1.0	KOP, MD:14125.0', TVD:14119.2', N/S:-96.0', E/W:-1.0', INC:3.92
14,288.0	14,277.3	-60.8	3.0	FTP Crossing, MD:14288.0', TVD:14277.3', N/S:-60.8', E/W:3.0', INC:24.78
19,400.0	14,485.8	4,942.9	17.0	Last MWD Survey (MD=19400.0')
19,466.0	14,484.1	5,008.7	12.9	Projection to Bit (MD=19466.0')

Checked By: _____ Approved By: _____ Date: _____

I CERTIFY THIS SURVEY TO BE TRUE AND CORRECT TO THE BEST OF MY BELIEF AND KNOWLEDGE
 KAY MADDOX 07/20/2022



Lea County, NM (NAD 83 NME)

Ophelia 27 #901H

Plan #2

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: #901H

KB = 26' @ 3319.0usft 3293.0
Northing 370022.00 Easting 782613.00 Latitude 32° 0' 53.574 N Longitude 103° 33' 17.568 W

SECTION DETAILS

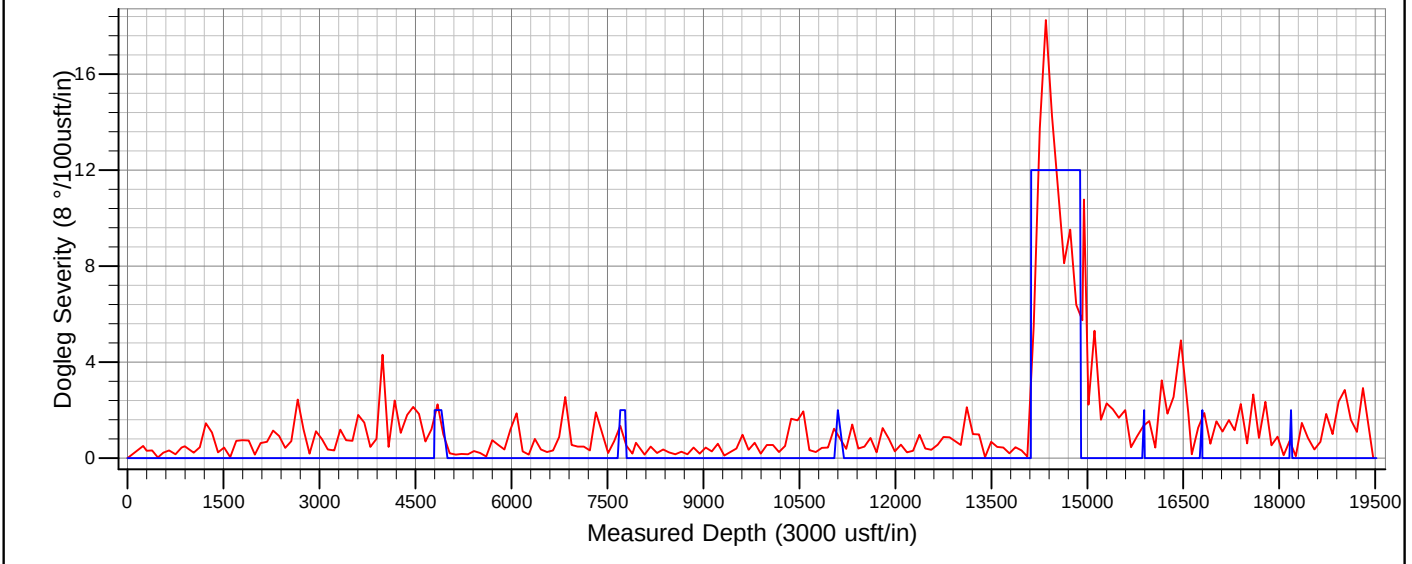
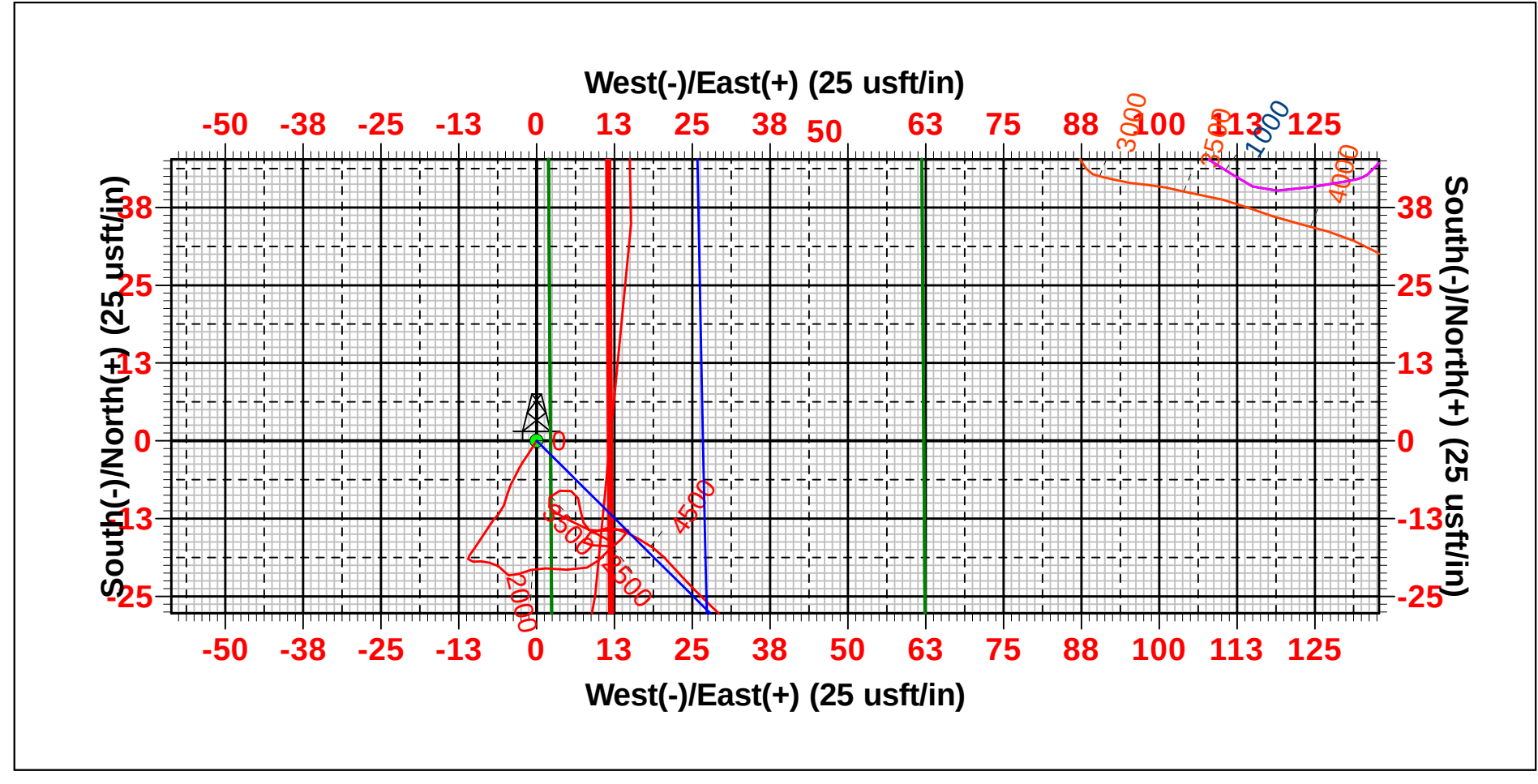
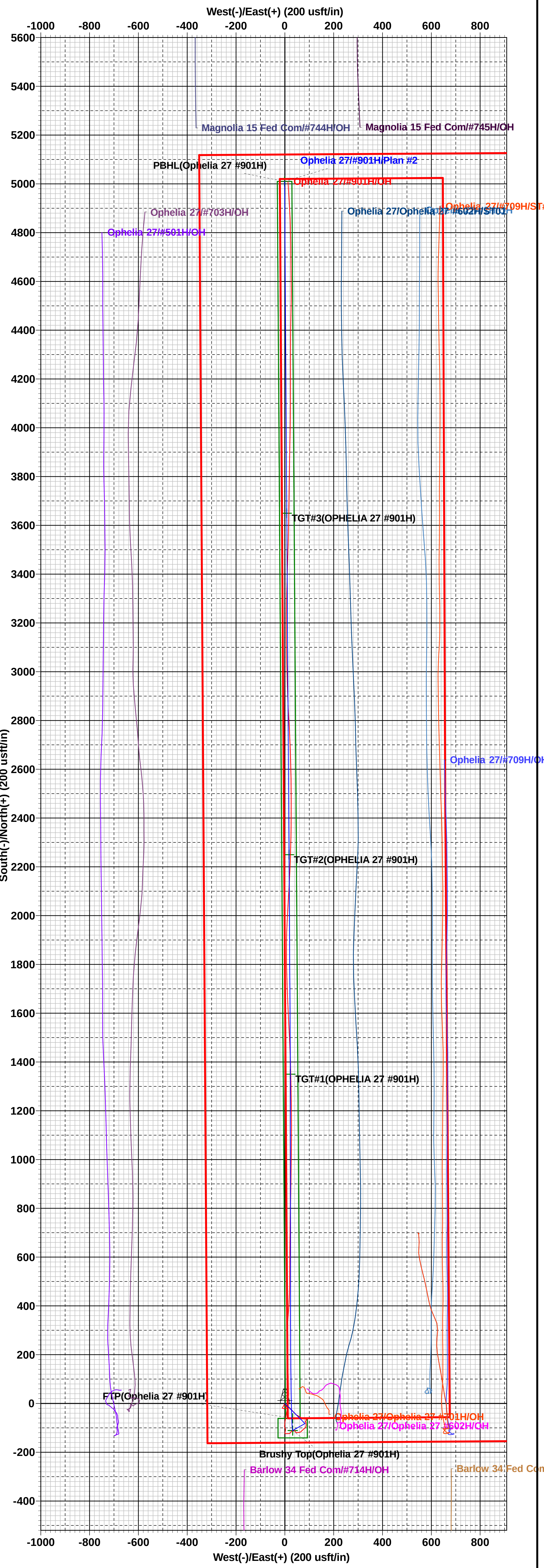
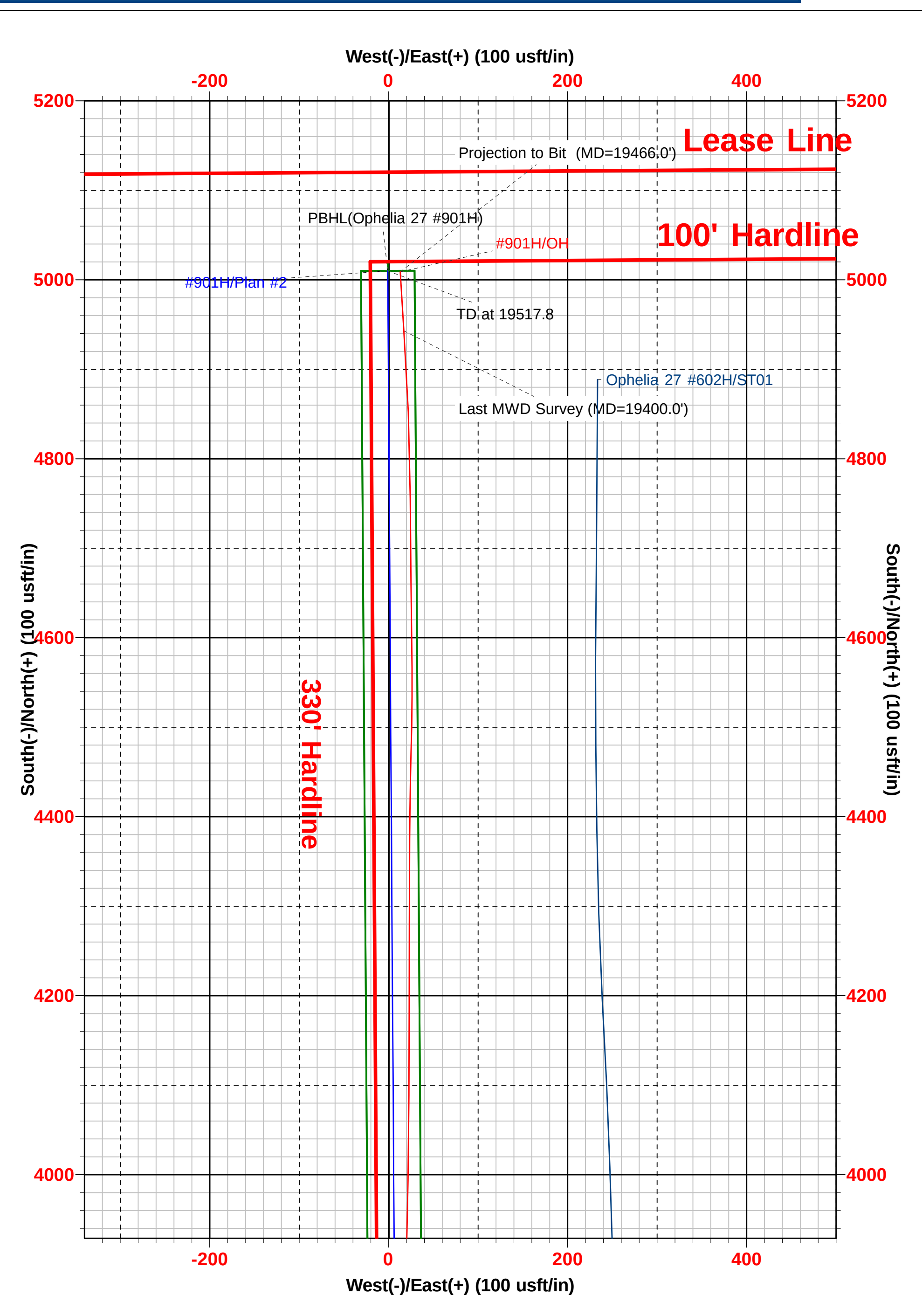
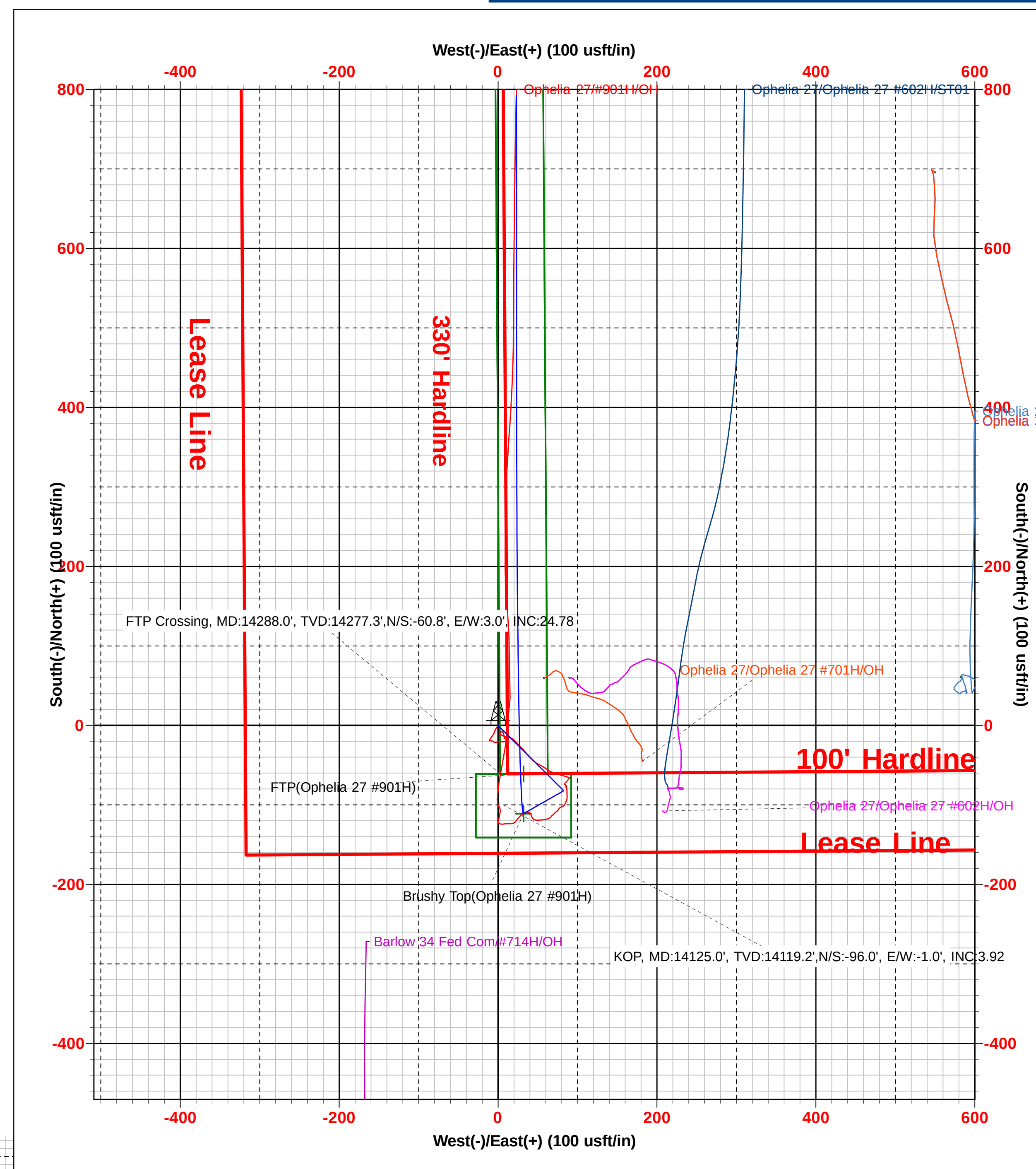
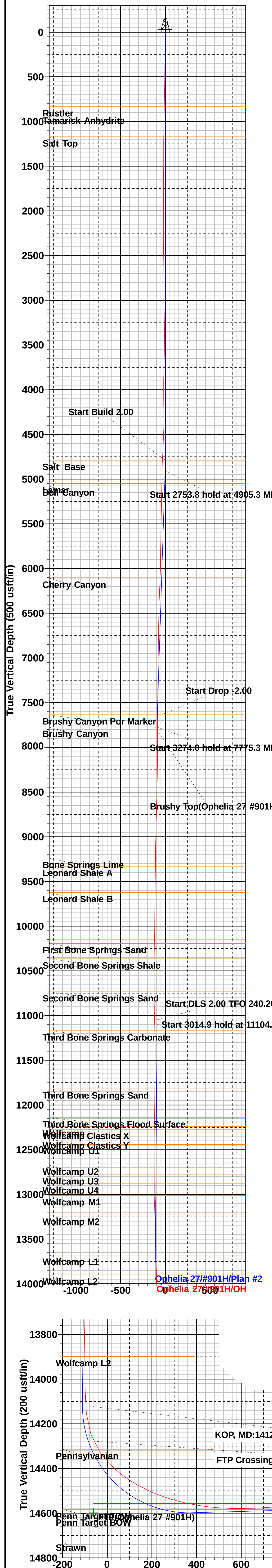
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4789.0	0.00	0.00	4789.0	0.0	0.0	0.00	0.00	0.0	
3	4905.3	2.33	134.81	4905.2	-1.7	1.7	2.00	134.81	-1.7	
4	7659.1	2.33	134.81	7656.8	-80.4	80.9	0.00	0.00	-80.4	
5	7775.3	0.00	0.00	7773.0	-82.1	82.6	2.00	180.00	-82.1	
6	11049.3	0.00	0.00	11047.0	-82.1	82.6	0.00	0.00	-82.1	
7	11104.2	1.10	240.26	11101.9	-82.3	82.2	2.00	240.26	-82.4	
8	14119.1	1.10	240.26	14116.2	-111.0	32.0	0.00	0.00	-111.0	
9	14886.4	91.53	359.96	14598.0	379.2	23.4	12.00	119.67	379.2	
10	15857.6	91.53	359.96	14572.0	1350.1	22.8	0.00	0.00	1350.1	TGT#1(OPHELIA 27 #901H)
11	15888.7	91.01	359.62	14571.3	1381.2	22.7	2.00	-147.11	1381.2	TGT#2(OPHELIA 27 #901H)
12	16757.7	91.01	359.62	14556.0	2250.0	17.0	0.00	0.00	2250.0	TGT#3(OPHELIA 27 #901H)
13	16796.4	90.23	359.63	14555.6	2288.7	16.7	2.00	179.80	2288.7	
14	18157.7	90.23	359.63	14550.0	3650.0	7.9	0.00	0.00	3650.0	
15	18182.3	89.74	359.63	14550.0	3674.6	7.7	2.00	-179.70	3674.6	
16	19517.8	89.74	359.63	14556.0	5010.0	-1.0	0.00	0.00	5010.0	PBHL(Ophelia 27 #901H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
Brushy Top(Ophelia 27 #901H)	7773.0	-111.0	32.0	369911.00	782645.00
TGT#3(OPHELIA 27 #901H)	14550.0	3650.0	7.9	373672.00	782620.90
PBHL(Ophelia 27 #901H)	14556.0	5010.0	-1.0	375032.00	782612.00
TGT#2(OPHELIA 27 #901H)	14556.0	2250.0	17.0	372272.00	782630.00
TGT#1(OPHELIA 27 #901H)	14572.0	1350.1	22.8	371372.10	782635.80
FTP(Ophelia 27 #901H)	14598.0	-61.0	32.0	369961.00	782645.00



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

Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM
 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-025-50076
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name OPHELIA 27
8. Well Number 901H
9. OGRID Number 7377
10. Pool name or Wildcat SANDERS TANK; UPPER WOLFCAMP

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator EOG RESOURCES INC	
3. Address of Operator PO BOX 2267 MIDLAND, TX 79702	
4. Well Location Unit Letter H : 2480 feet from the NORTH line and 1005 feet from the EAST line Section 27 Township 26S Range 33E NMPM County LEA	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3293' GR	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
OTHER: ☐	OTHER: Completion ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

06/05/2022 RIG RELEASED
 06/06/2022 MIRU PREP TO FRAC, TEST VOID TO 5000 PSI, SEALS & FLANGES TO 8500 PSI
 06/13/2022 BEGIN PERF AND FRAC
 06/17/2022 FINISH 19 STAGES PERF & FRAC, 14,563 - 19,445' 1134 3 1/8" SHOTS, FRAC 12,019,100 PROPPANT, 249,119 BBLS LOAD FLUID
 06/18/2022 DRILLED OUT PLUGS AND CLEANED OUT WELLBORE
 06/22/2022 OPENED WELL TO FLOWBACK - DATE OF FIRST PRODUCTION

Spud Date:

05/07/2022

Rig Release Date:

06/05/2022

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE KAY MADDOX TITLE Regulatory Analyst DATE 07/20/2022

Type or print name Kay Maddox E-mail address: kay_maddox@eogresources.com PHONE: 432-638-8475

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised August 1, 2011					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								5. Lease Name or Unit Agreement Name OPHELIA 27		
								6. Well Number: 901H		
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 SANDERS TANK; UPPER WOLFCAMP (98097)			
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	H	27	26S	33E		2480	NORTH	1005	EAST	LEA
BH:	I	22	26S	33E		2529	SOUTH	964	EAST	LEA
13. Date Spudded 05/07/2022	14. Date T.D. Reached 06/01/2022		15. Date Rig Released 06/05/2022			16. Date Completed (Ready to Produce) 06/22/2022		17. Elevations (DF and RKB, RT, GR, etc.) 3293' GR		
18. Total Measured Depth of Well MD 19,466' TVD 14,484'			19. Plug Back Measured Depth MD 19,445' TVD 14,484'			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 14,563 - 19,445										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
9 5/8"		36# J-55		948'		12 1/4"		355 CL C/CIRC		
7 5/8"		29.7# ECP 110		12,987'		8 3/4"		1885 CL C & H /CIRC		
5 1/2"		23# HCP 110		19,452'		6 3/4"		520 CL H TOC 8625' 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) 14,563 - 19,445' 3 1/8", 1134 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						14,563 - 19,445		FRAC W/12,019,100 lbs proppant, 249,119 bbls load fld		
28. PRODUCTION										
Date First Production 06/22/2022		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Flowing				Well Status (<i>Prod. or Shut-in</i>) Producing				
Date of Test 07/11/2022	Hours Tested 24	Choke Size 128	Prod'n For Test Period	Oil - Bbl 55	Gas - MCF 7552	Water - Bbl. 6635	Gas - Oil Ratio 137,262			
Flow Tubing Press.	Casing Pressure 707	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, C-103, Directional Survey, H spacing										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.										
33. If an on-site burial was used at the well, report the exact location of the on-site burial: Latitude _____ Longitude _____ NAD 1927 1983										
I 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 07/20/2022 E-mail Address kay_maddox@eogresources.com										

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

Southeastern New Mexico			Northwestern New Mexico				
T. Anhy	Rustler	835'	T. Canyon	Brushy	7773'	T. Ojo Alamo	T. Penn A "
T. Salt		1171'	T. Strawn			T. Kirtland	T. Penn. "B"
B. Salt		4789'	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	10,193'		T. Entrada	
T. Wolfcamp	12,242'		T. 2nd BS Sand	10,733'		T. Wingate	
T. Penn			T. 3RD BS Sand	11,819'		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

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 127335

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 127335
	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

Online Phone Directory
<https://www.emnrd.nm.gov/oed/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 127335

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 127335
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	None	9/23/2025