

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 10/02/2021	
⁴ API Number 30 - 025-48797	⁵ Pool Name ANTELOPE RIDGE; WOLFCAMP (25% PRODUCTION ALLOCATED)		⁶ Pool Code 2220
⁷ Property Code 325650	⁸ Property Name PEREGRINE 27 FEDERAL COM		⁹ Well Number 701H

II. ¹⁰ Surface Location

Ul or lot no. L	Section 27	Township 24S	Range 34E	Lot Idn	Feet from the 1760	North/South Line SOUTH	Feet from the 286	East/West line WEST	County LEA
--------------------	---------------	-----------------	--------------	---------	-----------------------	---------------------------	----------------------	------------------------	---------------

¹¹ Bottom Hole Location

UL or lot no. E	Section 3	Township 25S	Range 34E	Lot Idn	Feet from the 2521	North/South line NORTH	Feet from the 321	East/West line WEST	County 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 05/08/2021	²² Ready Date 10/02/2021	²³ TD 22597'	²⁴ PBTD 22,569'	²⁵ Perforations 12,691 - 14,785'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
12 1/4		9 5/8"	1219'		515 SXS CL C/CIRC
8 3/4"		7 5/8"	11,756'		1431 SXS CL C&H/ECHO TOC 35'
6 3/4"		5 1/2"	22,579'		970 SXS CL H TOC 11,970' CBL

V. Well Test Data

³¹ Date New Oil 10/02/2021	³² Gas Delivery Date 10/02/2021	³³ Test Date 10/08/2021	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 2525
³⁷ Choke Size 64	³⁸ Oil 4365	³⁹ Water 7939	⁴⁰ Gas 5864		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		
Printed name: Kay Maddox			Approved by: PATRICIA MARTINEZ		
Title: SENIOR REGULATORY SPECIALIST			Title: PETROLEUM SPECIALIST		
E-mail Address: kay_maddox@eogresources.com			Approval Date: 10/13/2023		
Date: 10/26/2021		Phone: 432-638-8475			

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 10/02/2021	
⁴ API Number 30 - 025-48797	⁵ Pool Name PITCHFORK RANCH; WOLFCAMP (75% PRODUCTION ALLOCATED)		⁶ Pool Code 50375
⁷ Property Code 325650	⁸ Property Name PEREGRINE 27 FEDERAL COM		⁹ Well Number 701H

II. ¹⁰ Surface Location

UL or lot no. L	Section 27	Township 24S	Range 34E	Lot Idn	Feet from the 1760	North/South Line SOUTH	Feet from the 286	East/West line WEST	County LEA
--------------------	---------------	-----------------	--------------	---------	-----------------------	---------------------------	----------------------	------------------------	---------------

¹¹ Bottom Hole Location

UL or lot no. E	Section 3	Township 25S	Range 34E	Lot Idn	Feet from the 2521	North/South line NORTH	Feet from the 321	East/West line WEST	County 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 05/08/2021	²² Ready Date 10/02/2021	²³ TD 22597'	²⁴ PBDT 22,569'	²⁵ Perforations 14,785 - 22,569'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
12 1/4		9 5/8"	1219'		515 SXS CL C/CIRC
8 3/4"		7 5/8"	11,756'		1431 SXS CL C&H/ECHO TOC 35'
6 3/4"		5 1/2"	22,579'		970 SXS CL H TOC 11,970' CBL

V. Well Test Data

³¹ Date New Oil 10/02/2021	³² Gas Delivery Date 10/02/2021	³³ Test Date 10/08/2021	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 2525
³⁷ Choke Size 64	³⁸ Oil 4365	³⁹ Water 7939	⁴⁰ Gas 5864		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		
Printed name: Kay Maddox			Approved by: PATRICIA MARTINEZ		
Title: SENIOR REGULATORY SPECIALIST			Title: PETROLEUM SPECIALIST		
E-mail Address: kay_maddox@eogresources.com			Approval Date: 10/13/2023		
Date: 10/26/2021		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- 48797	² Pool Code 2220	³ Pool Name ANTELOPE RIDGE; WOLFCAMP
⁴ Property Code 325650	⁵ Property Name PEREGRINE 27 FED COM	⁶ Well Number 701H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3450'

¹⁰Surface Location

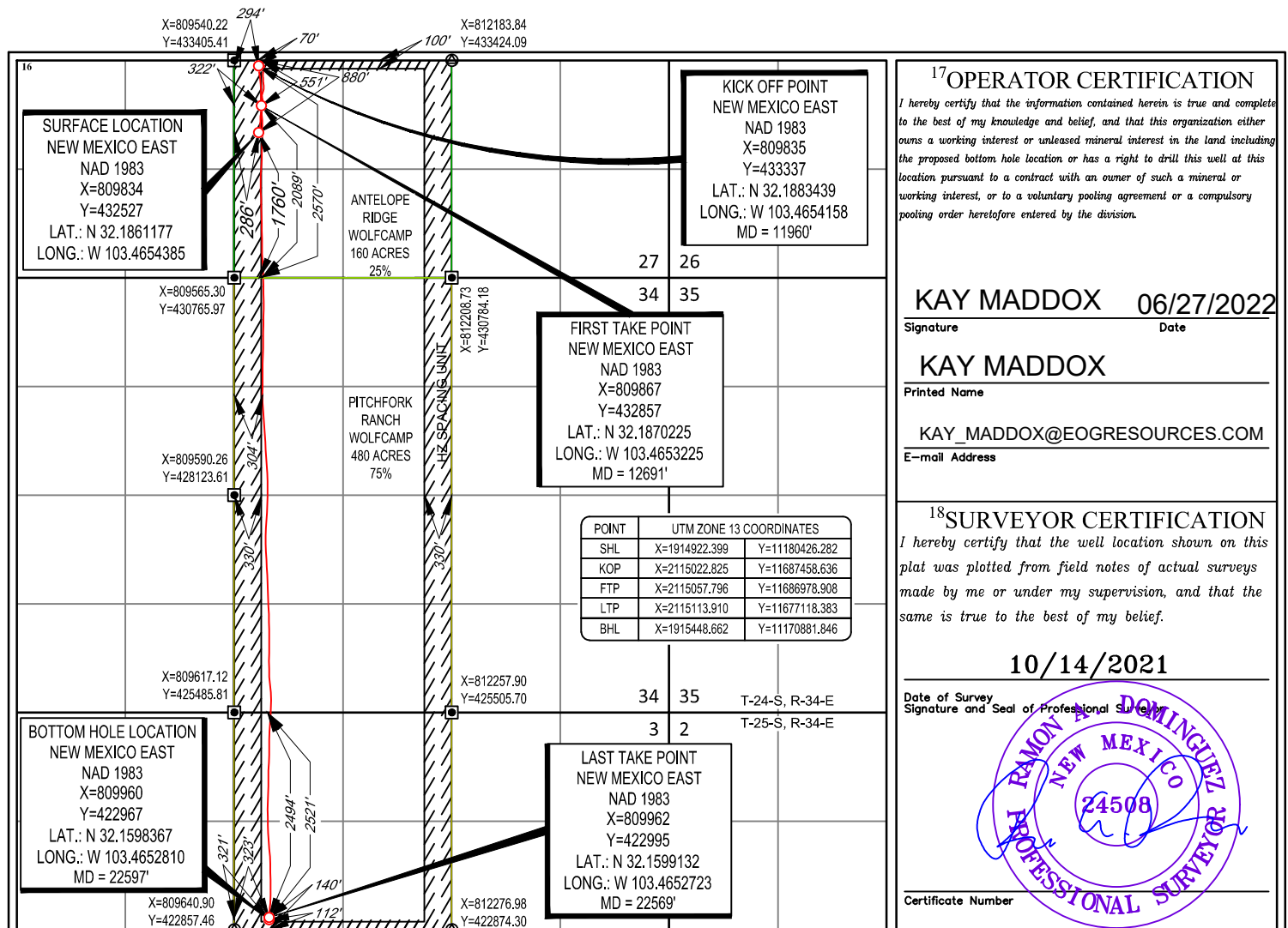
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	27	24-S	34-E	-	1760'	SOUTH	286'	WEST	LEA

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
E	3	25-S	34-E	-	2521'	NORTH	321'	WEST	LEA

¹² Dedicated Acres 640.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
160 ACRES ANTELOPE RIDGE POOL			

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.



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- 48797	² Pool Code 50375	³ Pool Name PITCHFORK RANCH; WOLFCAMP
⁴ Property Code 325650	⁵ Property Name PEREGRINE 27 FED COM	⁶ Well Number 701H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3450'

¹⁰Surface Location

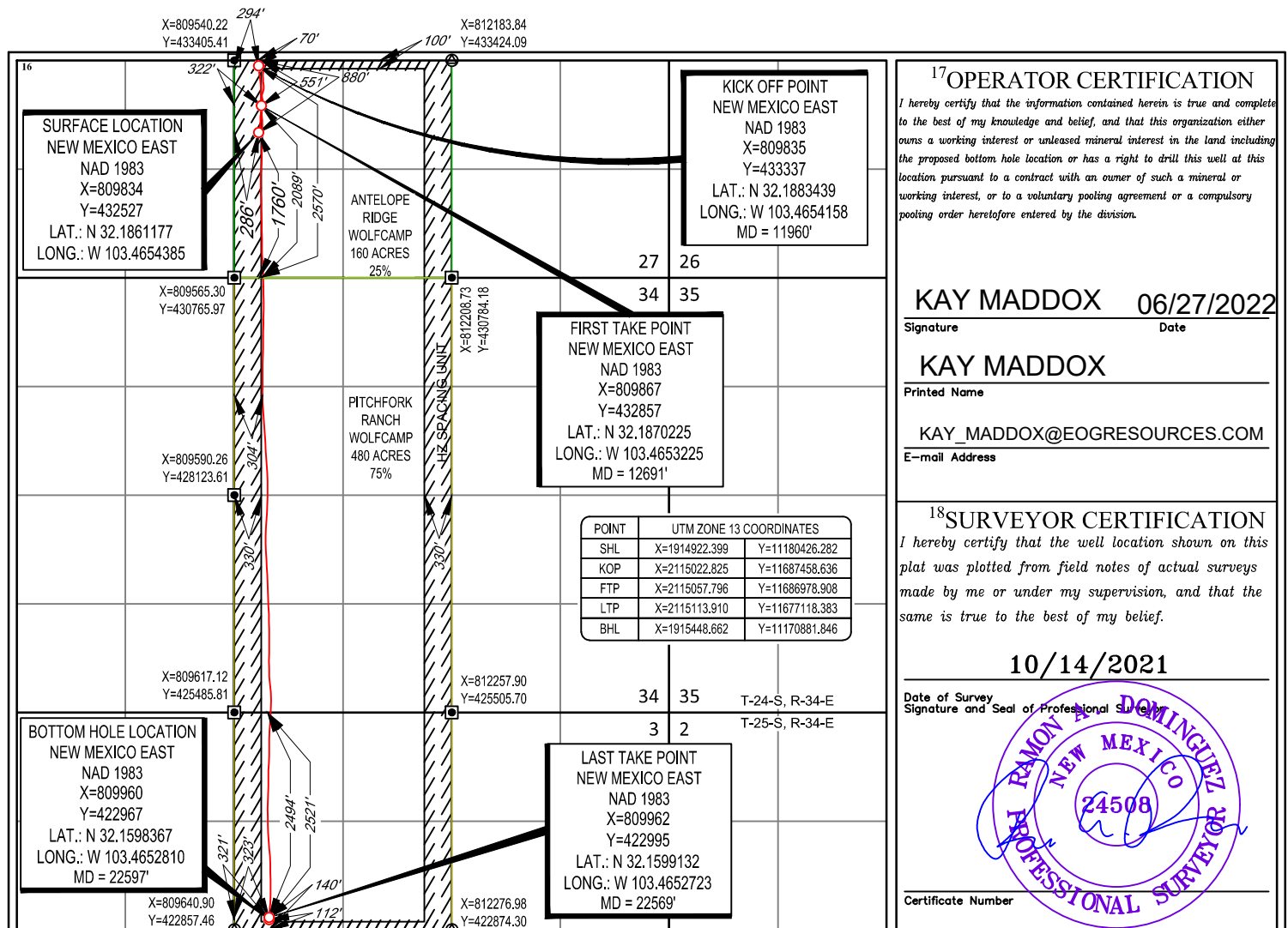
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	27	24-S	34-E	-	1760'	SOUTH	286'	WEST	LEA

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
E	3	25-S	34-E	-	2521'	NORTH	321'	WEST	LEA

¹² Dedicated Acres 640.00 480 ACRES	¹³ Joint or Infill PITCHFORK RANCH POOL	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.





Midland

Lea County, NM (NAD 83 NME)

Peregrine 27 Fed Com

#701H

OH

Design: OH

Final PVA

30 July, 2021



Final PVA

Company: Midland Project: Lea County, NM (NAD 83 NME) Site: Peregrine 27 Fed Com Well: #701H Wellbore: OH Design: OH	Local Co-ordinate Reference: Well #701H TVD Reference: KB = 26' @ 3476.0usft MD Reference: KB = 26' @ 3476.0usft North Reference: Grid Survey Calculation Method: Minimum Curvature 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	Peregrine 27 Fed Com		
Site Position:		Northing:	431,580.00 usft
From: Map		Easting:	810,070.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32.1835083°N
		Longitude:	103.4647009°W
		Grid Convergence:	0.46 °

Well	#701H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft		Wellhead Elevation:
			usft
			Latitude:
			32.1861164°N
			Longitude:
			103.4654390°W
			Ground Level:
			3,450.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2020	5/15/2021	6.50
			Dip Angle (°)
			59.88
			Field Strength (nT)
			47,490.71456913

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)
	0.0	0.0	0.0
			Direction (°)
			179.19

Survey Program	Date	7/28/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
187.0	22,597.0	Driltech MWD (OH)	EOG MWD+IFR1	MWD + IFR1

Company:	Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3476.0usft
Site:	Peregrine 27 Fed Com	MD Reference:	KB = 26' @ 3476.0usft
Well:	#701H	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	
187.0	0.88	128.52	187.0	-0.9	1.1	0.47	0.47	0.00	-1.4	0.0	
276.0	0.70	82.64	276.0	-1.3	2.2	0.72	-0.20	-51.55	-2.0	-1.5	
366.0	1.14	111.03	366.0	-1.5	3.6	0.69	0.49	31.54	-3.9	-0.1	
454.0	0.70	106.02	454.0	-2.0	4.9	0.51	-0.50	-5.69	-5.3	-0.5	
541.0	0.70	92.49	541.0	-2.1	6.0	0.19	0.00	-15.55	-6.0	-1.9	
733.0	1.14	107.17	732.9	-2.7	9.0	0.26	0.23	7.65	-9.4	0.0	
828.0	1.05	109.19	827.9	-3.3	10.7	0.10	-0.09	2.13	-11.2	0.4	
923.0	1.14	103.74	922.9	-3.8	12.4	0.14	0.09	-5.74	-13.0	-0.8	
1,019.0	0.62	93.19	1,018.9	-4.1	13.9	0.57	-0.54	-10.99	-14.1	-3.3	
1,114.0	1.14	107.52	1,113.9	-4.4	15.3	0.59	0.55	15.08	-15.9	0.4	
1,164.0	0.70	130.37	1,163.9	-4.7	16.0	1.13	-0.88	45.70	-15.2	6.7	
1,262.0	0.44	94.59	1,261.9	-5.2	16.8	0.44	-0.27	-36.51	-17.2	-3.8	
1,332.0	1.67	13.47	1,331.9	-4.2	17.3	2.37	1.76	-115.89	0.2	-17.9	
1,427.0	4.40	1.87	1,426.7	0.8	17.8	2.93	2.87	-12.21	1.4	-17.7	
1,522.0	7.12	1.87	1,521.2	10.3	18.1	2.86	2.86	0.00	-2.4	-17.6	
1,617.0	8.18	2.57	1,615.4	23.0	18.6	1.12	1.12	0.74	-6.3	-17.5	
1,712.0	8.00	3.19	1,709.4	36.3	19.2	0.21	-0.19	0.65	-8.0	-17.5	
1,807.0	7.83	3.80	1,803.5	49.4	20.0	0.20	-0.18	0.64	-8.5	-17.6	
1,903.0	7.91	2.66	1,898.6	62.5	20.8	0.18	0.08	-1.19	-8.5	-18.0	
1,998.0	7.83	2.48	1,992.7	75.5	21.4	0.09	-0.08	-0.19	-8.7	-18.0	
2,093.0	8.09	1.61	2,086.8	88.6	21.8	0.30	0.27	-0.92	-8.9	-18.0	
2,188.0	8.27	1.87	2,180.8	102.2	22.2	0.19	0.19	0.27	-9.8	-17.8	
2,283.0	8.53	2.13	2,274.8	116.0	22.7	0.28	0.27	0.27	-11.1	-17.6	
2,378.0	8.62	1.87	2,368.8	130.2	23.2	0.10	0.09	-0.27	-12.5	-17.6	
2,473.0	8.71	2.31	2,462.7	144.5	23.7	0.12	0.09	0.46	-14.2	-17.3	
2,568.0	8.44	0.38	2,556.6	158.6	24.1	0.42	-0.28	-2.03	-15.1	-17.6	



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3476.0usft
Site:	Peregrine 27 Fed Com	MD Reference:	KB = 26' @ 3476.0usft
Well:	#701H	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)	
2,663.0	8.44	1.78	2,650.6	172.6	24.3	0.22	0.00	1.47	-16.8	-16.9	
2,758.0	8.62	2.92	2,744.5	186.7	24.9	0.26	0.19	1.20	-18.5	-16.5	
2,853.0	8.53	5.91	2,838.5	200.8	26.0	0.48	-0.09	3.15	-20.8	-15.9	
2,948.0	8.71	8.72	2,932.4	214.9	27.8	0.48	0.19	2.96	-23.2	-15.9	
3,043.0	8.79	9.96	3,026.3	229.2	30.2	0.22	0.08	1.31	-25.4	-16.8	
3,139.0	8.88	13.65	3,121.2	243.6	33.2	0.60	0.09	3.84	-28.6	-17.2	
3,234.0	8.88	15.40	3,215.0	257.8	36.9	0.28	0.00	1.84	-31.4	-18.9	
3,329.0	10.02	1.34	3,308.7	273.1	39.0	2.70	1.20	-14.80	-28.6	-27.4	
3,424.0	9.85	3.45	3,402.3	289.5	39.7	0.42	-0.18	2.22	-33.3	-26.3	
3,519.0	9.50	6.00	3,496.0	305.4	41.0	0.58	-0.37	2.68	-37.7	-25.2	
3,614.0	9.23	7.76	3,589.7	320.7	42.8	0.41	-0.28	1.85	-41.3	-24.9	
3,709.0	8.53	10.31	3,683.6	335.2	45.1	0.85	-0.74	2.68	-44.5	-24.4	
3,899.0	6.95	11.71	3,871.8	360.3	50.0	0.84	-0.83	0.74	-45.5	-27.1	
3,994.0	7.56	3.36	3,966.1	372.2	51.5	1.28	0.64	-8.79	-40.4	-34.3	
4,089.0	9.15	354.22	4,060.1	386.0	51.1	2.18	1.67	-9.62	-35.6	-39.4	
4,184.0	8.53	352.99	4,153.9	400.5	49.5	0.68	-0.65	-1.29	-36.9	-38.2	
4,279.0	7.91	352.38	4,248.0	413.9	47.8	0.66	-0.65	-0.64	-37.6	-36.4	
4,374.0	7.47	351.67	4,342.1	426.5	46.0	0.47	-0.46	-0.75	-37.3	-34.6	
4,470.0	6.95	348.69	4,437.3	438.4	44.0	0.67	-0.54	-3.10	-35.1	-33.7	
4,565.0	6.60	357.91	4,531.7	449.5	42.6	1.20	-0.37	9.71	-38.4	-25.8	
4,660.0	7.56	14.17	4,626.0	461.0	44.0	2.33	1.01	17.12	-43.1	-15.1	
4,755.0	6.60	17.43	4,720.2	472.3	47.1	1.10	-1.01	3.43	-43.3	-15.6	
4,850.0	6.07	20.33	4,814.7	482.2	50.5	0.65	-0.56	3.05	-42.4	-17.0	
4,945.0	7.12	12.68	4,909.0	492.6	53.6	1.44	1.11	-8.05	-38.1	-25.3	
5,041.0	7.65	16.46	5,004.2	504.6	56.7	0.75	0.55	3.94	-39.5	-25.5	
5,136.0	7.12	24.28	5,098.4	516.0	60.9	1.19	-0.56	8.23	-43.0	-23.7	
5,231.0	7.30	6.35	5,192.7	527.4	64.0	2.37	0.19	-18.87	-32.6	-38.4	



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3476.0usft
Site:	Peregrine 27 Fed Com	MD Reference:	KB = 26' @ 3476.0usft
Well:	#701H	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)	
5,326.0	7.03	1.78	5,287.0	539.2	64.8	0.66	-0.28	-4.81	-28.6	-41.2	
5,421.0	6.51	359.23	5,381.3	550.4	64.9	0.63	-0.55	-2.68	-25.2	-41.9	
5,517.0	6.60	358.79	5,476.7	561.3	64.7	0.11	0.09	-0.46	-23.0	-41.3	
5,612.0	6.24	356.16	5,571.1	572.0	64.3	0.49	-0.38	-2.77	-19.1	-41.1	
5,802.0	6.60	352.46	5,759.9	593.1	62.2	0.29	0.19	-1.95	-12.6	-38.5	
5,897.0	6.68	350.79	5,854.3	603.9	60.6	0.22	0.08	-1.76	-10.0	-36.4	
5,993.0	6.86	348.86	5,949.6	615.1	58.6	0.30	0.19	-2.01	-7.6	-33.9	
6,088.0	8.00	1.43	6,043.8	627.3	57.6	2.08	1.20	13.23	-14.2	-29.9	
6,183.0	8.09	0.20	6,137.9	640.6	57.8	0.20	0.09	-1.29	-14.2	-29.9	
6,278.0	8.00	355.98	6,231.9	653.8	57.4	0.63	-0.09	-4.44	-12.6	-29.9	
6,373.0	7.83	355.45	6,326.0	666.9	56.4	0.19	-0.18	-0.56	-12.8	-28.5	
6,468.0	7.91	353.87	6,420.1	679.8	55.2	0.24	0.08	-1.66	-12.5	-27.1	
6,563.0	8.71	359.58	6,514.1	693.5	54.4	1.21	0.84	6.01	-16.1	-24.4	
6,658.0	9.06	5.56	6,608.0	708.2	55.1	1.04	0.37	6.29	-20.5	-22.5	
6,753.0	9.06	6.35	6,701.8	723.0	56.7	0.13	0.00	0.83	-23.1	-23.0	
6,848.0	9.41	5.74	6,795.6	738.2	58.3	0.38	0.37	-0.64	-25.4	-24.0	
6,944.0	9.50	5.74	6,890.3	753.9	59.8	0.09	0.09	0.00	-28.4	-24.7	
7,039.0	9.76	5.38	6,983.9	769.7	61.4	0.28	0.27	-0.38	-31.5	-25.6	
7,134.0	7.39	8.90	7,077.9	783.8	63.1	2.55	-2.49	3.71	-34.5	-24.5	
7,229.0	6.07	11.80	7,172.2	794.7	65.1	1.43	-1.39	3.05	-34.3	-24.5	
7,324.0	5.36	23.05	7,266.7	803.7	67.8	1.39	-0.75	11.84	-35.8	-20.8	
7,419.0	2.81	33.07	7,361.5	809.7	70.8	2.78	-2.68	10.55	-34.6	-20.0	
7,514.0	0.62	209.38	7,456.5	811.3	71.8	3.61	-2.31	185.59	23.7	28.0	
7,609.0	1.32	200.77	7,551.4	809.8	71.2	0.75	0.74	-9.06	7.0	34.7	
7,704.0	1.58	192.15	7,646.4	807.5	70.5	0.36	0.27	-9.07	-8.8	36.6	
7,799.0	1.67	195.05	7,741.4	804.9	69.9	0.13	0.09	3.05	-14.7	38.1	
7,894.0	1.49	200.85	7,836.3	802.4	69.1	0.25	-0.19	6.11	-15.3	40.2	



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3476.0usft
Site:	Peregrine 27 Fed Com	MD Reference:	KB = 26' @ 3476.0usft
Well:	#701H	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)	
7,905.3	1.47	200.86	7,847.6	802.1	69.0	0.18	-0.18	0.09	-15.6	40.2	
Brushy Top(Peregrine 27 Fed Com #701H)											
7,989.0	1.32	200.94	7,931.3	800.2	68.3	0.18	-0.18	0.10	-17.6	40.2	
8,179.0	1.67	205.69	8,121.2	795.7	66.3	0.20	0.18	2.50	-19.1	41.7	
8,274.0	1.76	207.09	8,216.2	793.1	65.0	0.10	0.09	1.47	-21.0	42.2	
8,369.0	1.58	202.88	8,311.2	790.6	63.9	0.23	-0.19	-4.43	-26.8	40.5	
8,559.0	0.97	192.50	8,501.1	786.6	62.5	0.34	-0.32	-5.46	-37.8	34.5	
8,654.0	0.79	189.69	8,596.1	785.2	62.2	0.19	-0.19	-2.96	-40.9	32.6	
8,749.0	0.79	203.49	8,691.1	783.9	61.8	0.20	0.00	14.53	-33.3	41.5	
8,936.0	0.79	224.58	8,878.1	781.8	60.4	0.15	0.00	11.28	-18.6	51.2	
9,032.0	0.79	230.38	8,974.1	780.9	59.4	0.08	0.00	6.04	-14.6	52.9	
9,127.0	1.14	225.73	9,069.1	779.9	58.3	0.38	0.37	-4.89	-20.5	51.5	
9,222.0	0.97	276.88	9,164.0	779.3	56.8	0.97	-0.18	53.84	25.8	49.0	
9,317.0	1.49	330.67	9,259.0	780.5	55.4	1.27	0.55	56.62	53.0	8.7	
9,412.0	1.23	312.91	9,354.0	782.3	54.0	0.52	-0.27	-18.69	45.7	24.1	
9,508.0	1.14	286.46	9,450.0	783.2	52.4	0.57	-0.09	-27.55	28.3	41.5	
9,603.0	1.14	283.82	9,545.0	783.7	50.5	0.06	0.00	-2.78	24.4	42.7	
9,698.0	1.32	253.85	9,639.9	783.6	48.6	0.69	0.19	-31.55	-2.1	48.7	
9,793.0	1.85	241.11	9,734.9	782.6	46.2	0.67	0.56	-13.41	-15.3	46.8	
9,888.0	2.02	244.97	9,829.8	781.1	43.3	0.23	0.18	4.06	-15.4	47.8	
9,983.0	1.14	2.40	9,924.8	781.4	41.8	2.88	-0.93	123.61	49.4	-6.9	
10,079.0	1.49	21.56	10,020.8	783.5	42.3	0.58	0.36	19.96	42.2	-22.4	
10,174.0	1.14	350.71	10,115.8	785.6	42.6	0.82	-0.37	-32.47	45.7	1.8	
10,364.0	1.58	307.82	10,305.7	789.0	40.3	0.57	0.23	-22.57	28.3	31.1	
10,459.0	1.32	300.43	10,400.7	790.4	38.3	0.34	-0.27	-7.78	21.7	34.4	
10,554.0	1.49	295.86	10,495.7	791.5	36.2	0.21	0.18	-4.81	16.5	35.9	
10,649.0	1.76	300.79	10,590.6	792.8	33.9	0.32	0.28	5.19	16.9	34.4	



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3476.0usft
Site:	Peregrine 27 Fed Com	MD Reference:	KB = 26' @ 3476.0usft
Well:	#701H	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)
10,744.0	1.58	297.97	10,685.6	794.1	31.5	0.21	-0.19	-2.97	12.4	35.2
10,840.0	0.70	320.03	10,781.6	795.2	29.9	1.01	-0.92	22.98	22.9	28.4
10,935.0	0.18	288.74	10,876.6	795.7	29.4	0.58	-0.55	-32.94	4.1	35.9
11,030.0	0.35	194.35	10,971.6	795.5	29.2	0.43	0.18	-99.36	-36.4	1.2
11,125.0	1.23	240.49	11,066.6	794.7	28.2	1.07	0.93	48.57	-25.5	27.3
11,220.0	1.58	261.59	11,161.5	794.0	26.0	0.65	0.37	22.21	-16.3	35.0
11,316.0	0.97	276.97	11,257.5	793.9	23.9	0.72	-0.64	16.02	-8.5	38.4
11,411.0	1.67	288.48	11,352.5	794.4	21.8	0.78	0.74	12.12	-2.8	39.5
11,506.0	2.73	311.33	11,447.4	796.4	18.8	1.43	1.12	24.05	9.2	38.0
11,601.0	3.52	316.69	11,542.3	800.0	15.1	0.89	0.83	5.64	7.5	37.2
11,696.0	2.99	310.01	11,637.1	803.7	11.2	0.69	-0.56	-7.03	-2.2	37.5
11,832.0	2.73	299.38	11,772.9	807.6	5.7	0.43	-0.19	-7.82	-15.8	35.8
11,927.0	3.08	303.77	11,867.8	810.1	1.6	0.44	0.37	4.62	-17.8	37.1
11,960.0	2.61	209.01	11,900.8	809.9	0.5	12.72	-1.43	-287.17	-36.1	-21.8
KOP, MD:11960.0', TVD:11900.8', N/S:809.9', E/W:0.5', INC:2.61										
12,022.0	9.85	173.08	11,962.4	803.4	0.4	12.72	11.68	-57.94	-21.2	-39.4
12,097.9	25.94	171.95	12,034.4	780.4	3.6	21.20	21.20	-1.49	-31.1	-38.4
FTP Crossing, MD:12097.9', TVD:12034.4', N/S:780.4', E/W:3.6', INC:25.94										
12,117.0	29.99	171.85	12,051.3	771.5	4.8	21.20	21.20	-0.52	-35.0	-37.8
12,212.0	42.03	171.94	12,128.0	716.3	12.7	12.67	12.67	0.09	-56.8	-32.5
12,307.0	43.79	172.46	12,197.5	652.3	21.4	1.89	1.85	0.55	-69.5	-23.5
12,355.1	46.58	174.42	12,231.4	618.4	25.3	6.48	5.80	4.07	-69.6	-17.7
FTP(Peregrine 27 Fed Com #701H)										
12,402.0	49.33	176.16	12,262.8	583.7	28.2	6.48	5.86	3.71	-66.2	-13.4
12,498.0	59.09	179.32	12,318.9	506.0	31.1	10.51	10.17	3.29	-52.7	-9.2
12,593.0	64.54	178.71	12,363.8	422.3	32.6	5.76	5.74	-0.64	-30.7	-8.7
12,688.0	74.66	180.64	12,396.9	333.3	33.0	10.82	10.65	2.03	-3.3	-8.7



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3476.0usft
Site:	Peregrine 27 Fed Com	MD Reference:	KB = 26' @ 3476.0usft
Well:	#701H	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)	
12,783.0	84.86	173.43	12,413.7	240.2	37.9	13.07	10.74	-7.59	12.4	-4.7	
12,878.0	85.56	175.45	12,421.7	146.0	47.1	2.24	0.74	2.13	19.3	3.6	
12,973.0	92.24	181.78	12,423.5	51.1	49.4	9.68	7.03	6.66	20.0	5.0	
13,067.0	89.43	180.99	12,422.1	-42.9	47.1	3.11	-2.99	-0.84	17.5	1.8	
13,162.0	89.87	181.61	12,422.7	-137.8	45.0	0.80	0.46	0.65	17.0	-1.3	
13,257.0	90.40	181.34	12,422.5	-232.8	42.5	0.63	0.56	-0.28	15.7	-4.6	
13,353.0	90.31	182.13	12,421.9	-328.7	39.6	0.83	-0.09	0.82	13.9	-8.4	
13,448.0	89.25	184.07	12,422.3	-423.6	34.5	2.33	-1.12	2.04	13.2	-14.5	
13,543.0	87.14	183.19	12,425.3	-518.4	28.5	2.41	-2.22	-0.93	15.0	-21.4	
13,638.0	84.77	179.41	12,432.0	-613.1	26.3	4.69	-2.49	-3.98	20.6	-24.5	
13,741.0	87.93	177.12	12,438.5	-715.8	29.4	3.79	3.07	-2.22	26.1	-22.3	
13,836.0	86.35	178.00	12,443.3	-810.6	33.5	1.90	-1.66	0.93	29.7	-19.2	
13,932.0	88.55	179.06	12,447.5	-906.5	35.9	2.54	2.29	1.10	32.8	-17.6	
14,027.0	85.38	177.04	12,452.6	-1,001.2	39.1	3.95	-3.34	-2.13	36.8	-15.3	
14,122.0	90.31	180.11	12,456.1	-1,096.1	41.5	6.11	5.19	3.23	39.2	-13.9	
14,217.0	91.98	180.02	12,454.2	-1,191.1	41.4	1.76	1.76	-0.09	36.2	-14.9	
14,312.0	90.04	178.09	12,452.6	-1,286.1	43.0	2.88	-2.04	-2.03	33.4	-14.2	
14,387.0	91.57	180.03	12,451.5	-1,361.0	44.2	3.30	2.04	2.59	31.5	-13.7	
TGT#1(Peregrine 27 Fed Com #701H)											
14,407.0	91.98	180.55	12,450.9	-1,381.0	44.1	3.30	2.04	2.59	30.6	-14.0	
14,502.0	89.87	177.65	12,449.3	-1,476.0	45.6	3.77	-2.22	-3.05	27.5	-13.4	
14,597.0	86.97	175.37	12,452.0	-1,570.7	51.4	3.88	-3.05	-2.40	28.5	-8.5	
14,692.0	91.10	178.44	12,453.6	-1,665.6	56.5	5.42	4.35	3.23	28.5	-4.3	
14,787.0	91.36	178.44	12,451.5	-1,760.5	59.1	0.27	0.27	0.00	24.9	-2.6	
14,788.4	91.37	178.45	12,451.5	-1,761.9	59.1	1.13	0.65	0.93	24.8	-2.6	
FedPP(Peregrine 27 Fed Com #701H)											
14,882.0	91.98	179.32	12,448.8	-1,855.4	60.9	1.13	0.65	0.93	20.5	-1.7	

Company:	Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3476.0usft
Site:	Peregrine 27 Fed Com	MD Reference:	KB = 26' @ 3476.0usft
Well:	#701H	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)	
14,977.0	90.92	178.79	12,446.4	-1,950.4	62.5	1.25	-1.12	-0.56	16.5	-1.0	
15,073.0	91.63	179.58	12,444.2	-2,046.4	63.9	1.11	0.74	0.82	12.8	-0.5	
15,168.0	88.99	181.25	12,443.7	-2,141.4	63.2	3.29	-2.78	1.76	10.6	-2.1	
15,263.0	88.46	179.76	12,445.8	-2,236.3	62.3	1.66	-0.56	-1.57	11.2	-3.9	
15,358.0	88.11	181.43	12,448.7	-2,331.3	61.3	1.80	-0.37	1.76	12.4	-5.8	
15,453.0	87.41	181.08	12,452.4	-2,426.2	59.3	0.82	-0.74	-0.37	14.5	-8.8	
15,549.0	86.00	180.73	12,457.9	-2,522.0	57.8	1.51	-1.47	-0.36	18.4	-11.2	
15,644.0	87.76	181.17	12,463.1	-2,616.8	56.2	1.91	1.85	0.46	22.0	-13.7	
15,739.0	87.23	182.84	12,467.2	-2,711.7	52.9	1.84	-0.56	1.76	24.6	-17.9	
15,834.0	87.85	179.67	12,471.3	-2,806.6	50.8	3.40	0.65	-3.34	27.1	-20.9	
15,930.0	91.10	179.41	12,472.2	-2,902.5	51.6	3.40	3.39	-0.27	26.4	-21.0	
16,024.0	90.75	181.34	12,470.7	-2,996.5	50.9	2.09	-0.37	2.05	23.3	-22.5	
16,120.0	90.84	179.76	12,469.3	-3,092.5	50.0	1.65	0.09	-1.65	20.3	-24.4	
16,215.0	89.52	181.43	12,469.0	-3,187.5	49.0	2.24	-1.39	1.76	18.4	-26.2	
16,310.0	89.78	176.07	12,469.6	-3,282.4	51.1	5.65	0.27	-5.64	17.5	-25.1	
16,405.0	90.84	176.07	12,469.1	-3,377.2	57.6	1.12	1.12	0.00	15.3	-19.5	
16,500.0	90.75	175.54	12,467.8	-3,472.0	64.6	0.57	-0.09	-0.56	12.4	-13.4	
16,595.0	88.55	175.80	12,468.4	-3,566.7	71.7	2.33	-2.32	0.27	11.4	-7.1	
16,690.0	87.23	176.60	12,471.9	-3,661.4	78.0	1.62	-1.39	0.84	13.3	-1.8	
16,777.3	88.43	176.92	12,475.2	-3,748.5	83.0	1.42	1.37	0.36	15.2	2.3	
TGT#2(Peregrine 27 Fed Com #701H)											
16,786.0	88.55	176.95	12,475.4	-3,757.2	83.4	1.42	1.38	0.36	15.3	2.7	
16,881.0	88.99	176.60	12,477.4	-3,852.0	88.8	0.59	0.46	-0.37	16.8	7.2	
16,976.0	90.84	175.98	12,477.6	-3,946.8	94.9	2.05	1.95	-0.65	16.5	12.4	
17,071.0	90.57	175.37	12,476.4	-4,041.5	102.1	0.70	-0.28	-0.64	14.9	18.6	
17,166.0	90.40	178.71	12,475.6	-4,136.4	107.0	3.52	-0.18	3.52	13.7	22.7	
17,261.0	89.78	177.30	12,475.4	-4,231.3	110.3	1.62	-0.65	-1.48	13.1	25.1	

Company:	Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3476.0usft
Site:	Peregrine 27 Fed Com	MD Reference:	KB = 26' @ 3476.0usft
Well:	#701H	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)	
17,356.0	90.31	180.20	12,475.4	-4,326.3	112.4	3.10	0.56	3.05	12.6	26.2	
17,451.0	91.45	182.13	12,473.9	-4,421.3	110.4	2.36	1.20	2.03	10.8	23.4	
17,546.0	91.19	181.87	12,471.7	-4,516.2	107.1	0.39	-0.27	-0.27	8.2	19.2	
17,641.0	90.48	182.75	12,470.3	-4,611.1	103.3	1.19	-0.75	0.93	6.4	14.4	
17,736.0	91.36	184.33	12,468.8	-4,705.9	97.4	1.90	0.93	1.66	4.4	7.7	
17,831.0	89.52	181.61	12,468.1	-4,800.7	92.5	3.46	-1.94	-2.86	3.3	1.9	
17,927.0	89.16	182.31	12,469.2	-4,896.7	89.2	0.82	-0.37	0.73	4.0	-2.3	
18,022.0	88.90	178.62	12,470.8	-4,991.6	88.4	3.89	-0.27	-3.88	5.2	-4.0	
18,117.0	87.93	176.86	12,473.4	-5,086.5	92.2	2.11	-1.02	-1.85	7.4	-1.2	
18,212.0	87.93	177.39	12,476.9	-5,181.3	97.0	0.56	0.00	0.56	10.4	2.7	
18,307.0	88.46	176.68	12,479.8	-5,276.2	101.9	0.93	0.56	-0.75	13.0	6.7	
18,402.0	91.10	177.39	12,480.2	-5,371.0	106.8	2.88	2.78	0.75	13.0	10.7	
18,497.0	91.19	178.18	12,478.3	-5,465.9	110.5	0.84	0.09	0.83	10.7	13.5	
18,592.0	89.25	178.09	12,478.0	-5,560.9	113.5	2.04	-2.04	-0.09	9.9	15.7	
18,687.0	88.20	177.74	12,480.1	-5,655.8	117.0	1.17	-1.11	-0.37	11.6	18.2	
18,782.0	89.87	176.42	12,481.7	-5,750.7	121.8	2.24	1.76	-1.39	12.8	22.1	
18,878.0	88.02	177.83	12,483.4	-5,846.5	126.7	2.42	-1.93	1.47	14.1	26.1	
18,973.0	89.69	178.79	12,485.3	-5,941.4	129.5	2.03	1.76	1.01	15.6	27.9	
19,034.9	87.97	179.30	12,486.6	-6,003.3	130.5	2.90	-2.78	0.83	16.6	28.4	
TGT#3(Peregrine 27 Fed Com #701H)											
19,068.0	87.05	179.58	12,488.0	-6,036.4	130.8	2.90	-2.78	0.83	17.7	28.4	
19,163.0	92.24	179.32	12,488.6	-6,131.4	131.7	5.47	5.46	-0.27	16.3	28.4	
19,258.0	94.44	181.34	12,483.1	-6,226.2	131.2	3.14	2.32	2.13	8.7	27.0	
19,353.0	91.80	180.64	12,477.9	-6,321.0	129.5	2.87	-2.78	-0.74	1.6	24.4	
19,448.0	90.48	179.76	12,476.0	-6,416.0	129.2	1.67	-1.39	-0.93	-2.3	23.2	
19,543.0	91.80	179.23	12,474.1	-6,511.0	130.0	1.50	1.39	-0.56	-6.2	23.1	
19,639.0	88.81	178.88	12,473.6	-6,606.9	131.6	3.14	-3.11	-0.36	-8.8	23.8	

Company:	Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3476.0usft
Site:	Peregrine 27 Fed Com	MD Reference:	KB = 26' @ 3476.0usft
Well:	#701H	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)
19,734.0	86.97	170.88	12,477.1	-6,701.4	140.1	8.63	-1.94	-8.42	-7.6	31.3
19,829.0	86.97	174.66	12,482.2	-6,795.5	152.0	3.97	0.00	3.98	-4.4	42.3
19,924.0	89.69	181.61	12,484.9	-6,890.4	155.1	7.85	2.86	7.32	-3.5	44.6
20,019.0	90.57	182.13	12,484.7	-6,985.3	152.0	1.08	0.93	0.55	-5.7	40.5
20,115.0	93.12	182.57	12,481.6	-7,081.2	148.1	2.70	2.66	0.46	-10.9	35.7
20,210.0	90.04	184.86	12,479.0	-7,175.9	141.9	4.04	-3.24	2.41	-15.5	28.6
20,305.0	92.77	185.56	12,476.7	-7,270.5	133.3	2.97	2.87	0.74	-19.8	19.1
20,400.0	86.17	177.21	12,477.5	-7,365.3	131.0	11.20	-6.95	-8.79	-20.9	15.9
20,495.0	88.11	181.08	12,482.3	-7,460.2	132.4	4.55	2.04	4.07	-18.2	16.4
20,589.0	89.78	181.25	12,484.0	-7,554.1	130.5	1.79	1.78	0.18	-18.4	13.6
20,685.0	93.03	183.71	12,481.7	-7,650.0	126.3	4.25	3.39	2.56	-22.8	8.6
20,780.0	87.76	181.61	12,481.0	-7,744.8	121.9	5.97	-5.55	-2.21	-25.5	3.3
20,875.0	84.68	179.50	12,487.3	-7,839.6	121.0	3.93	-3.24	-2.22	-21.2	1.4
20,970.0	87.49	180.81	12,493.8	-7,934.4	120.8	3.26	2.96	1.38	-16.7	0.3
21,065.0	89.60	183.36	12,496.2	-8,029.3	117.3	3.48	2.22	2.68	-16.3	-4.1
21,160.0	91.36	181.87	12,495.4	-8,124.2	113.0	2.43	1.85	-1.57	-19.1	-9.3
21,255.0	93.12	179.32	12,491.7	-8,219.1	112.0	3.26	1.85	-2.68	-24.9	-11.2
21,350.0	88.37	179.58	12,490.4	-8,314.0	112.9	5.01	-5.00	0.27	-28.1	-11.2
21,445.0	88.29	178.09	12,493.2	-8,409.0	114.8	1.57	-0.08	-1.57	-27.4	-10.2
21,540.0	87.67	177.56	12,496.5	-8,503.8	118.4	0.86	-0.65	-0.56	-26.0	-7.5
21,635.0	89.43	176.95	12,498.9	-8,598.7	123.0	1.96	1.85	-0.64	-25.6	-3.9
21,730.0	84.33	173.87	12,504.1	-8,693.2	130.6	6.27	-5.37	-3.24	-22.5	2.8
21,825.0	86.53	174.57	12,511.7	-8,787.4	140.1	2.43	2.32	0.74	-16.9	11.4
21,920.0	92.51	179.67	12,512.5	-8,882.2	144.9	8.27	6.29	5.37	-18.1	15.4
22,015.0	91.19	179.32	12,509.4	-8,977.2	145.7	1.44	-1.39	-0.37	-23.2	15.3
22,109.0	86.61	179.14	12,511.2	-9,071.1	147.0	4.88	-4.87	-0.19	-23.4	15.6
22,205.0	89.60	180.11	12,514.4	-9,167.1	147.6	3.27	3.11	1.01	-22.2	15.4

Company:	Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3476.0usft
Site:	Peregrine 27 Fed Com	MD Reference:	KB = 26' @ 3476.0usft
Well:	#701H	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)
22,300.0	91.63	180.55	12,513.4	-9,262.0	147.0	2.19	2.14	0.46	-25.3	13.9
22,395.0	92.24	183.80	12,510.2	-9,356.9	143.4	3.48	0.64	3.42	-30.5	9.4
22,426.0	91.63	185.03	12,509.1	-9,387.8	141.1	4.43	-1.97	3.97	-32.2	6.8
Last MWD Survey (MD=22426.0')										
22,597.0	91.63	185.03	12,504.3	-9,558.1	126.1	0.00	0.00	0.00	-40.7	-9.8
Projection to Bit (MD=22597.0') - PBHL(Peregrine 27 Fed Com #701H)										

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,960.0	11,900.8	809.9	0.5	KOP, MD:11960.0', TVD:11900.8',N/S:809.9', E/W:0.5', INC:2.61
12,097.9	12,034.4	780.4	3.6	FTP Crossing, MD:12097.9', TVD:12034.4',N/S:780.4', E/W:3.6', INC:25.94
22,426.0	12,509.1	-9,387.8	141.1	Last MWD Survey (MD=22426.0')
22,597.0	12,504.3	-9,558.1	126.1	Projection to Bit (MD=22597.0')

Checked By: _____ Approved By: _____ Date: _____

I certify this survey to be true and correct to the best of my belief and knowledge
Kay Maddox 10/21/2021



Lea County, NM (NAD 83 NME)

Peregrine 27 Fed Com #701H

Plan #1

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: #701H

KB = 26' @ 3476.0usft
Northing 432527.00 Easting 809834.00 Latitude 32.1861164°N Longitude 103.4654390°W

Azimuths to Grid North
True North: -0.46°
Magnetic North: 6.04°

Magnetic Field
Strength: 47490.7nT
Dip Angle: 59.88°
Date: 5/15/2021
Model: IGRF2020

To convert a Magnetic Direction to a Grid Direction, Add 6.04°
To convert a Magnetic Direction to a True Direction, Add 6.50° East
To convert a True Direction to a Grid Direction, Subtract 0.46°

SECTION DETAILS

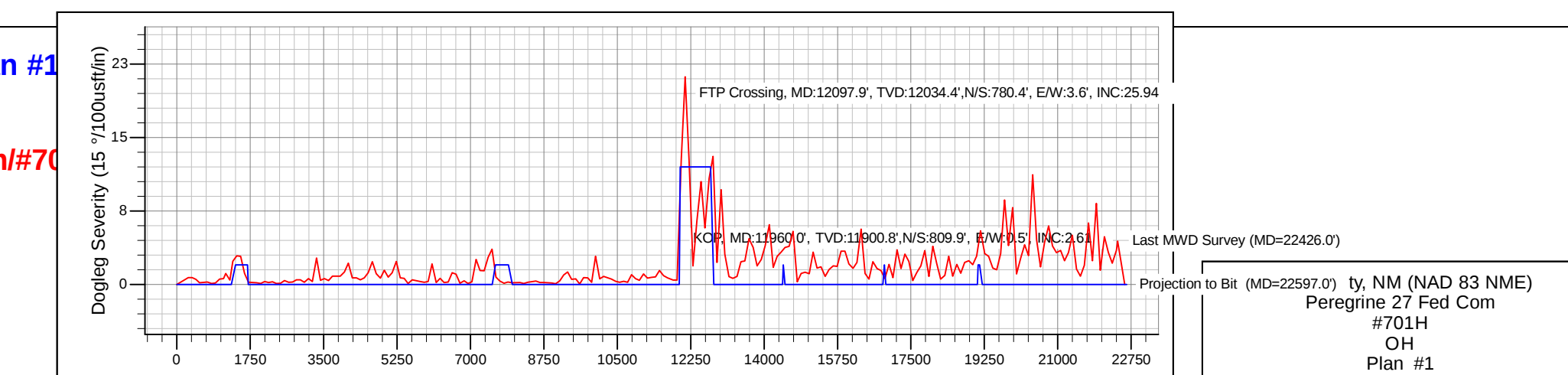
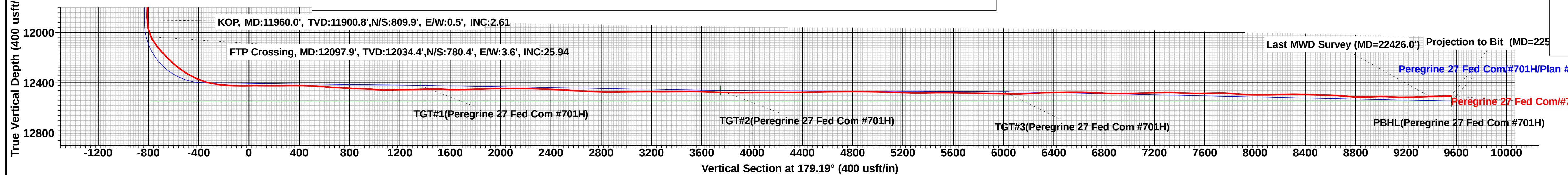
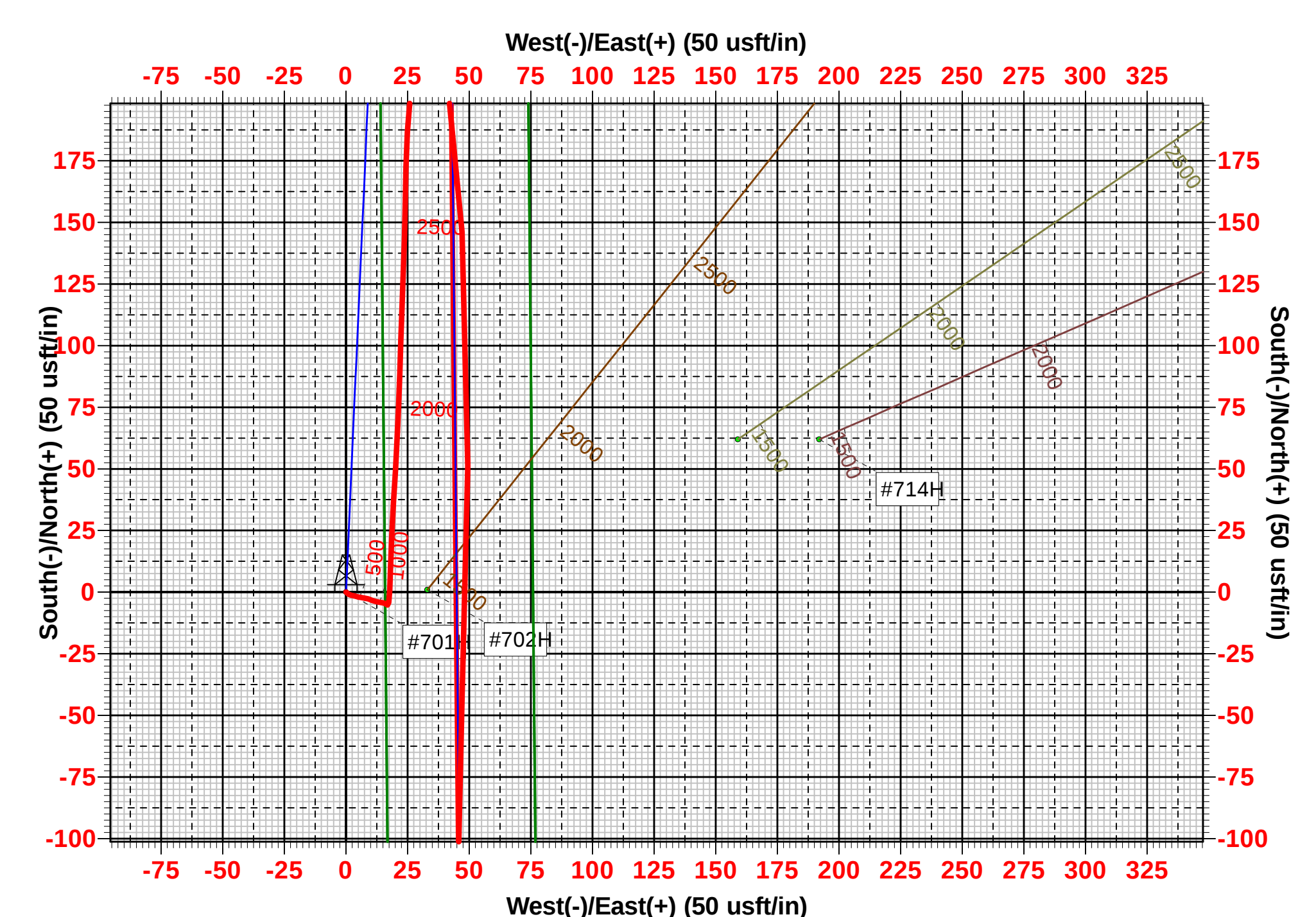
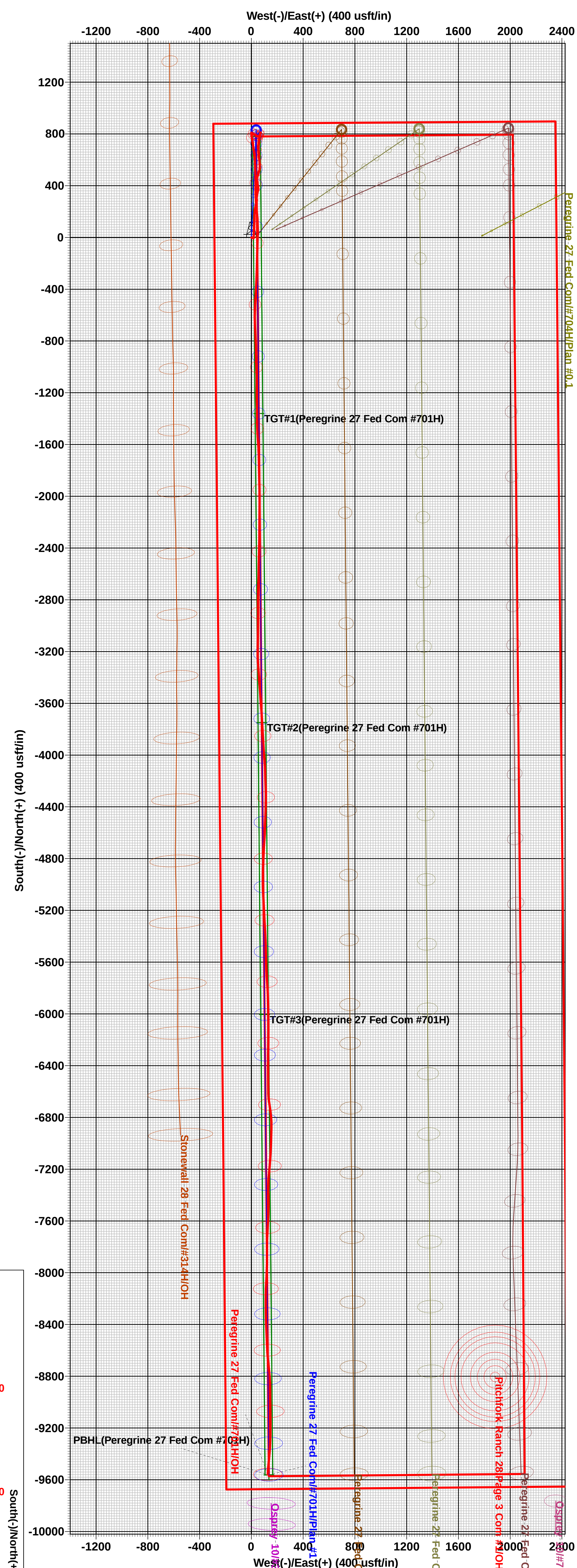
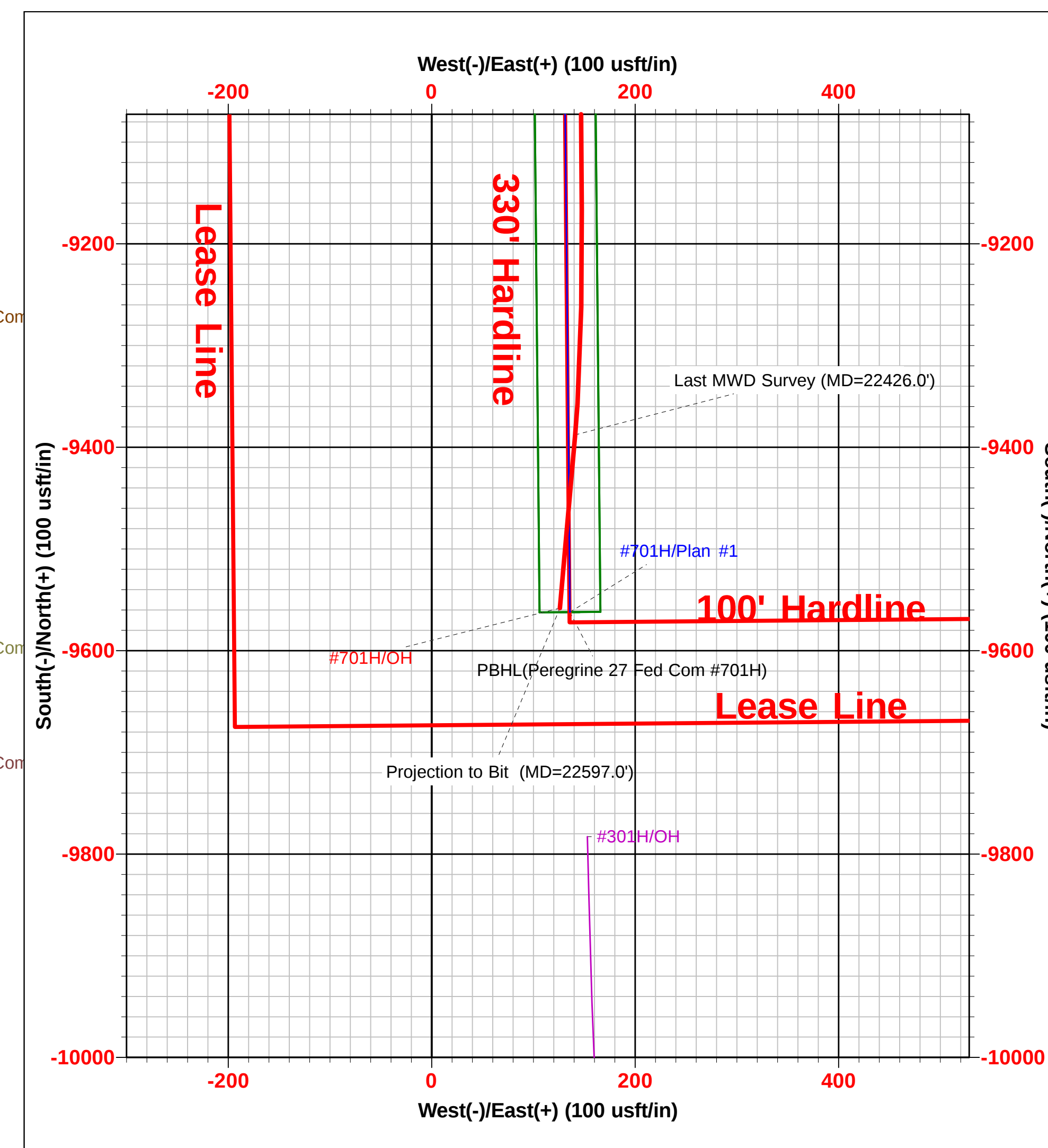
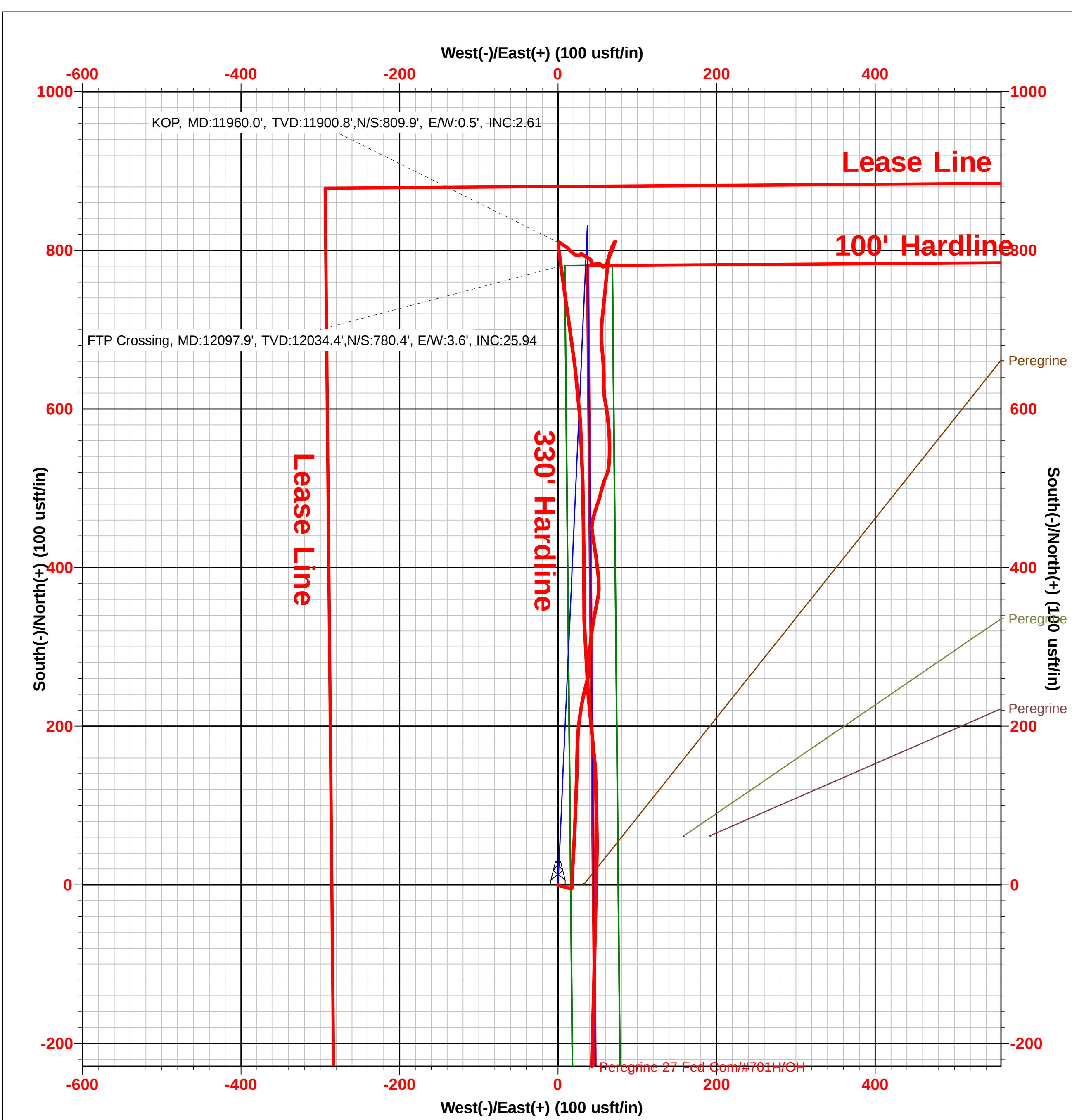
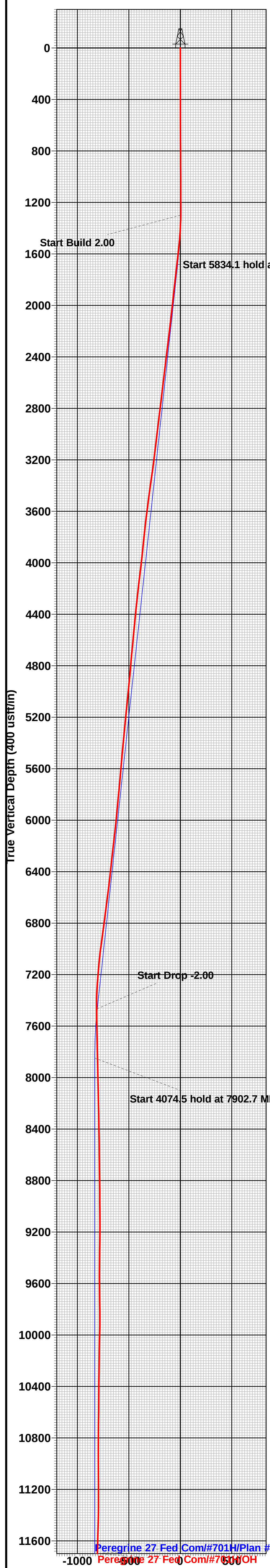
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1300.0	0.00	0.00	1300.0	0.0	0.0	0.00	0.00	0.0	
3	1684.3	7.69	2.55	1683.2	25.7	1.1	2.00	2.55	-25.7	
4	7518.4	7.69	2.55	7464.8	805.3	35.9	0.00	0.00	-804.7	
5	7902.7	0.00	0.00	7848.0	831.0	37.0	2.00	180.00	-830.4	
6	11977.2	0.00	0.00	11922.5	831.0	37.0	0.00	0.00	-830.4	
7	12721.7	89.33	179.45	12399.9	359.1	41.5	12.00	179.45	-358.5	
8	14441.3	89.33	179.45	12420.0	-1360.3	57.9	0.00	0.00	1361.0	TGT#1(Peregrine 27 Fed Com #701H)
9	14455.9	89.04	179.45	12420.2	-1374.9	58.0	2.00	180.00	1375.6	TGT#2(Peregrine 27 Fed Com #701H)
10	16830.6	89.04	179.45	12460.0	-3749.2	80.6	0.00	0.00	3750.0	TGT#3(Peregrine 27 Fed Com #701H)
11	16866.2	89.75	179.45	12460.4	-3784.8	81.0	2.00	0.00	3785.5	
12	19085.7	89.75	179.45	12470.0	-6004.2	102.1	0.00	0.00	6005.0	
13	19134.0	88.79	179.45	12470.6	-6052.5	102.6	2.00	-180.00	6053.3	
14	22644.5	88.79	179.45	12545.0	-9562.0	136.0	0.00	0.00	9563.0	PBHL(Peregrine 27 Fed Com #701H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
TGT#1(Peregrine 27 Fed Com #701H)	12420.0	-1360.3	57.9	431166.70	809891.87
TGT#2(Peregrine 27 Fed Com #701H)	12460.0	-3749.2	80.6	428777.80	809914.63
TGT#3(Peregrine 27 Fed Com #701H)	12470.0	-6004.2	102.1	426522.80	809936.11
PBHL(Peregrine 27 Fed Com #701H)	12545.0	-9562.0	136.0	422965.00	809970.00

CASING DETAILS

No casing data is available



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										
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 PEREGRINE 27 FEDERAL COM		
								6. Well Number: 701H		
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 ANTELOPE RIDGE: WOLFCAMP (2220) 25% PITCHFORK RANCH; WOLFCAMP (50375) 75%			
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	L	27	24S	34E		1760	SOUTH	286	WEST	LEA
BH:	E	3	25S	34E		2521	NORTH	321	WEST	LEA
13. Date Spudded 05/08/2021	14. Date T.D. Reached 07/28/2021		15. Date Rig Released 07/30/2021			16. Date Completed (Ready to Produce) 10/02/2021		17. Elevations (DF and RKB, RT, GR, etc.) 3450' GR		
18. Total Measured Depth of Well MD 22,597' TVD 12,504'			19. Plug Back Measured Depth MD 22,569' TVD 12,504'			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 12,691 - 22,569										
CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
9 5/8"		40# J-55		1,219'		12 1/4"		515 CL C/CIRC		
7 5/8"		29.7# ECP 110		11,756'		8 3/4"		1431 CL C & H/ TOC 35'		ECH0
5 1/2"		20# HCP 110		22,579'		6 3/4"		970 CL H TOC 11,970' 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) 12,691 - 22,569' 3 1/8", 1974 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						12,691 - 22,569'		FRAC W/23,075,105 lbs proppant, 680,430 bbls load fld		
PRODUCTION										
Date First Production 10/02/2021		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 10/08/2021	Hours Tested 24	Choke Size 64	Prod'n For Test Period	Oil - Bbl 4365	Gas - MCF 5864	Water - Bbl. 7939	Gas - Oil Ratio 1344			
Flow Tubing Press.	Casing Pressure 2525	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (<i>Corr.</i>) 43				
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 10/25/2021	
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	1073'	T. Canyon	Brushy	7796'	T. Ojo Alamo	T. Penn A"
T. Salt		1515'	T. Strawn			T. Kirtland	T. Penn. "B"
B. Salt		5022'	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	10,203'		T. Entrada	
T. Wolfcamp	12,108'		T. 2nd BS Sand	10,723'		T. Wingate	
T. Penn			T. 3rd BS Sand	11,809'		T. Chinle	
T. Cisco (Bough C)			T.			T. Permian	

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Action 121195

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 121195
	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.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 121195

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 121195
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report within 10 days to NMOCD after BLM approval.	10/13/2023