

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 07/12/2021	
⁴ API Number 30 - 025-44095	⁵ Pool Name SANDERS TANK; UPPER WOLFCAMP		⁶ Pool Code 98097
⁷ Property Code 319664	⁸ Property Name DOGWOOD 23 FEDERAL COM		⁹ Well Number 741H

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
O	23	26S	33E		200	SOUTH	1630	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
A	14	26S	33E		108	NORTH	471	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 04/02/2021	²² Ready Date 07/12/2021	²³ TD 23,756	²⁴ PBTD 23,699	²⁵ Perforations 13,436 - 23,699	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12 1/4	9 5/8"	1020'	875 SXS CL C/CIRC		
8 3/4"	7 5/8"	11,964'	1769 SXS CL C&H/CIRC		
6 3/4"	5 1/2"	23,486' 23741	1130 SXS CL H TOC 7130' CBL		

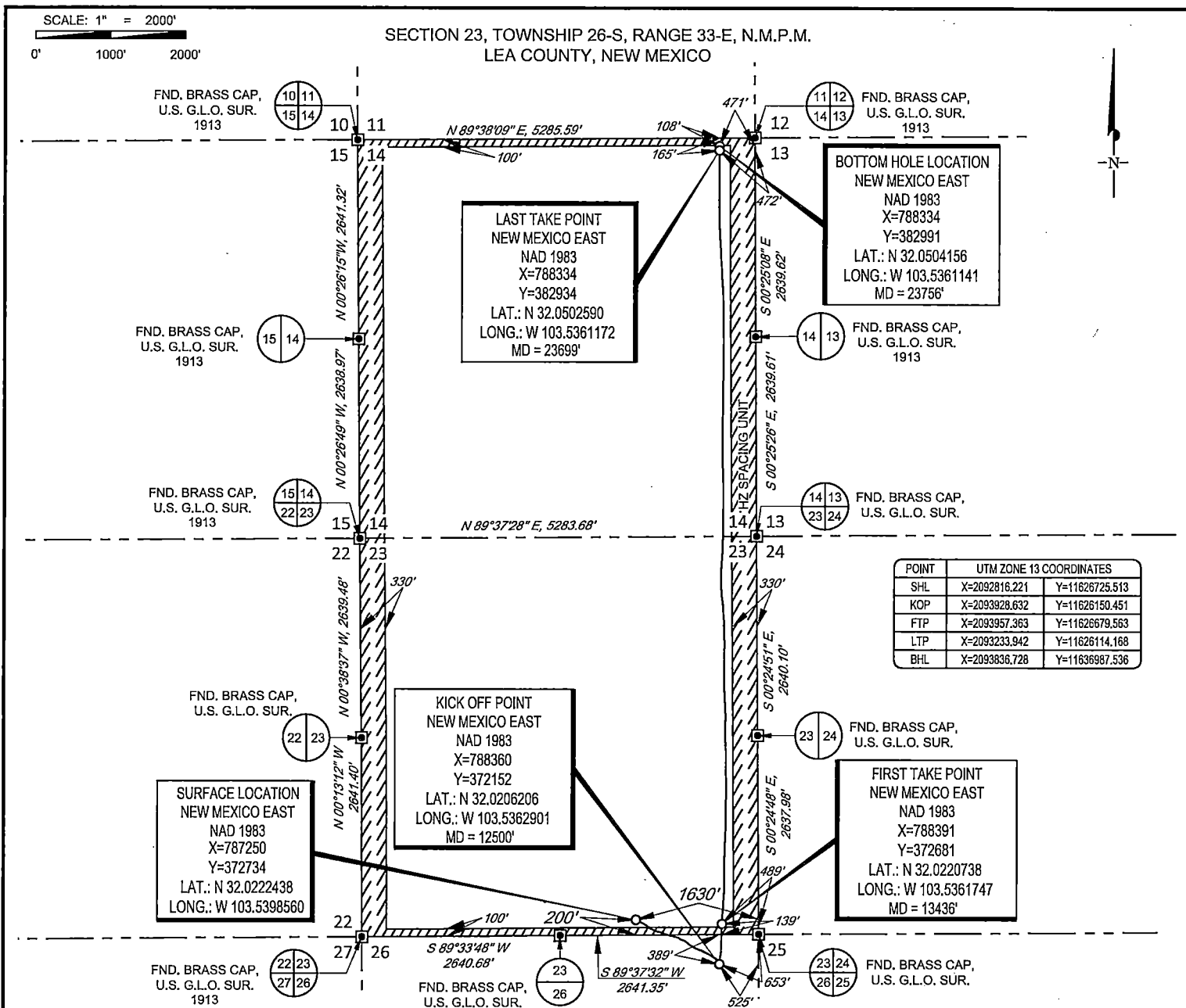
V. Well Test Data

³¹ Date New Oil 07/12/2021	³² Gas Delivery Date 07/12/2021	³³ Test Date 07/14/2021	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 2239
³⁷ Choke Size	³⁸ Oil 2225	³⁹ Water 11,112	⁴⁰ Gas 4732		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: <i>PATRICIA MARTINEZ</i>	
Printed name: Kay Maddox		Title: <i>PETROLEUM SPECIALIST</i>	
Title: SENIOR REGULATORY SPECIALIST		Approval Date: <i>9/2/2021</i>	
E-mail Address: kay_maddox@eogresources.com			
Date: 07/19/2021	Phone: 432-638-8475		

AMENDED REPORT

\\G\MIDLAND\DOGWOOD 23 FED COM\FINAL PRODUCTS\LO DOGWOOD 23 FC 741H.DWG 2/24/2021 3:50:39 PM bgregon

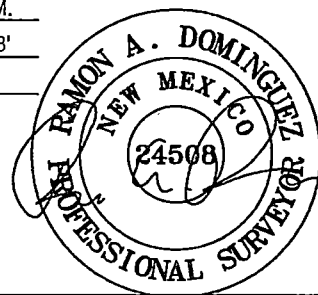


LEASE NAME & WELL NO.: DOGWOOD 23 FED COM 741H
 SECTION 23 TWP 26-S RGE 33-E SURVEY N.M.P.M.
 COUNTY LEA STATE NM ELEVATION 3318'
 DESCRIPTION 200' FSL & 1630' FEL



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
 TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
 2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
 TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
 WWW.TOPOGRAPHIC.COM



Ramon A. Dominguez, P.S. No. 24508
 June 22, 2021

eoog resources, inc.

DOGWOOD 23 FED COM 741H AS-COMPLETE	REVISION:		NOTES: 1. ORIGINAL DOCUMENT SIZE: 8.5" X 11" 2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. 3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.
DATE: 06/22/2021			
FILE:AD_DOGWOOD_23_FED_COM_741H			
DRAWN BY: IMU			
SHEET : 1 OF 1			



Midland

Lea County, NM (NAD 83 NME)

Dogwood 23 Fed Com

#741H

OH

Design: OH

Final PVA

25 May, 2021



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #741H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3343.0usft
Site:	Dogwood 23 Fed Com	MD Reference:	KB = 25' @ 3343.0usft
Well:	#741H	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	Dogwood 23 Fed Com		
Site Position:		Northing:	372,741.00 usft
From:	Map	Easting:	788,311.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 1' 20.069 N
		Longitude:	103° 32' 11.158 W
		Grid Convergence:	0.42 °

Well		#741H				
Well Position	+N/-S	0.0 usft	Northing:	372,734.00 usft	Latitude:	32° 1' 20.077 N
	+E/-W	0.0 usft	Easting:	787,250.00 usft	Longitude:	103° 32' 23.482 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,318.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	5/1/2021	6.53	59.72	47,390.90995406

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	6.15



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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	PEDM

Survey Program		Date	5/25/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
145.0	1,001.0	Olebrook MWD (OH)	MWD	OWSG MWD - Standard	
1,037.0	23,756.0	Driltech MWD (OH)	EOG MWD+IFR1	MWD + IFR1	

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
145.0	0.70	189.42	145.0	-0.9	-0.1	0.48	0.48	0.00	0.0	0.0	0.0
265.0	0.35	329.58	265.0	-1.3	-0.5	0.83	-0.29	116.80	0.0	0.0	0.0
358.0	0.26	195.84	358.0	-1.2	-0.7	0.60	-0.10	-143.81	0.0	0.0	0.0
483.0	0.79	119.90	483.0	-1.9	0.0	0.62	0.42	-60.75	0.0	0.0	0.0
577.0	0.70	120.34	577.0	-2.6	1.1	0.10	-0.10	0.47	0.0	0.0	0.0
705.0	0.44	335.85	705.0	-2.5	1.5	0.85	-0.20	-112.88	0.0	0.0	0.0
798.0	0.62	340.68	798.0	-1.7	1.2	0.20	0.19	5.19	0.0	0.0	0.0
893.0	0.18	124.74	893.0	-1.3	1.2	0.81	-0.46	151.64	0.0	0.0	0.0
988.0	0.97	11.88	988.0	-0.6	1.5	1.11	0.83	-118.80	0.0	0.0	0.0
1,001.0	0.88	8.54	1,001.0	-0.4	1.5	0.81	-0.69	-25.69	0.0	0.0	0.0
1,037.0	0.53	45.66	1,037.0	0.0	1.7	1.55	-0.97	103.11	0.1	-0.2	-0.2
1,132.0	1.49	82.31	1,131.9	0.5	3.2	1.17	1.01	38.58	-1.1	-1.2	-1.2
1,228.0	3.96	106.83	1,227.8	-0.3	7.6	2.79	2.57	25.54	-3.6	-0.8	-0.8
1,324.0	6.06	110.61	1,323.5	-3.1	15.5	2.21	2.19	3.94	-6.6	-0.6	-0.6
1,419.0	8.44	114.83	1,417.7	-7.8	26.6	2.57	2.51	4.44	-10.1	0.1	0.1
1,515.0	10.11	116.94	1,512.4	-14.5	40.5	1.77	1.74	2.20	-13.8	0.6	0.6
1,610.0	12.83	117.38	1,605.5	-23.2	57.3	2.86	2.86	0.46	-18.0	0.8	0.8
1,706.0	13.89	120.02	1,698.9	-33.8	76.7	1.27	1.10	2.75	-22.5	1.6	1.6
1,802.0	13.97	121.07	1,792.1	-45.6	96.6	0.28	0.08	1.09	-27.5	1.5	1.5
1,897.0	14.15	121.86	1,884.3	-57.6	116.3	0.28	0.19	0.83	-32.8	0.9	0.9



Final PVA

Company: Midland
Project: Lea County, NM (NAD 83 NME)
Site: Dogwood 23 Fed Com
Well: #741H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #741H
TVD Reference: KB = 25' @ 3343.0usft
MD Reference: KB = 25' @ 3343.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
1,993.0	13.80	124.32	1,977.4	-70.3	135.7	0.72	-0.36	2.56	-37.9	1.0
2,089.0	13.10	121.42	2,070.8	-82.4	154.5	1.01	-0.73	-3.02	-42.2	-2.4
2,185.0	12.83	122.57	2,164.3	-93.8	172.7	0.39	-0.28	1.20	-45.8	-2.6
2,281.0	12.74	120.28	2,258.0	-104.9	190.9	0.54	-0.09	-2.39	-48.8	-5.4
2,376.0	13.45	114.13	2,350.5	-114.7	210.0	1.65	0.75	-6.47	-51.6	-10.2
2,472.0	13.89	113.60	2,443.8	-123.9	230.7	0.48	0.46	-0.55	-56.2	-9.2
2,568.0	14.33	115.36	2,536.9	-133.6	252.0	0.64	0.46	1.83	-61.8	-6.2
2,664.0	14.68	115.36	2,629.8	-143.9	273.8	0.36	0.36	0.00	-67.9	-5.2
2,758.0	13.10	108.94	2,721.1	-152.4	294.6	2.35	-1.68	-6.83	-72.0	-10.9
2,854.0	12.92	109.73	2,814.6	-159.6	315.0	0.26	-0.19	0.82	-75.9	-7.0
2,950.0	13.62	107.80	2,908.0	-166.7	335.9	0.86	0.73	-2.01	-79.9	-6.5
3,046.0	14.24	109.73	3,001.2	-174.1	357.7	0.81	0.65	2.01	-85.3	-0.7
3,142.0	13.71	108.33	3,094.4	-181.7	379.6	0.65	-0.55	-1.46	-90.7	0.2
3,237.0	13.36	104.64	3,186.7	-188.0	401.0	0.98	-0.37	-3.88	-95.4	-2.0
3,333.0	14.15	105.78	3,280.0	-194.0	423.0	0.87	0.82	1.19	-100.7	4.1
3,429.0	10.20	105.07	3,373.8	-199.4	442.5	4.12	-4.11	-0.74	-103.3	7.0
3,525.0	8.88	105.34	3,468.5	-203.5	457.8	1.38	-1.37	0.28	-101.5	11.6
3,620.0	8.35	103.49	3,562.4	-207.1	471.6	0.63	-0.56	-1.95	-98.6	12.8
3,716.0	8.09	97.25	3,657.4	-209.6	485.1	0.97	-0.27	-6.50	-96.1	8.0
3,812.0	9.76	106.75	3,752.3	-212.8	499.6	2.31	1.74	9.90	-90.5	28.3
3,908.0	11.26	105.34	3,846.7	-217.6	516.4	1.59	1.56	-1.47	-91.0	30.1
4,003.0	10.28	100.77	3,940.0	-221.6	533.7	1.37	-1.03	-4.81	-93.7	27.6
4,099.0	10.63	107.71	4,034.4	-225.9	550.5	1.36	0.36	7.23	-89.2	43.0
4,195.0	9.76	120.54	4,128.9	-232.8	566.0	2.53	-0.91	13.36	-76.3	62.8
4,291.0	8.88	123.09	4,223.6	-240.9	579.2	1.01	-0.92	2.66	-70.9	65.0
4,386.0	7.38	123.53	4,317.7	-248.3	590.4	1.58	-1.58	0.46	-65.8	64.1
4,482.0	7.56	117.20	4,412.9	-254.6	601.2	0.88	0.19	-6.59	-66.6	56.3



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)
4,577.0	8.17	114.65	4,507.0	-260.3	612.9	0.74	0.64	-2.68	-64.0	54.2
4,673.0	7.47	111.32	4,602.1	-265.4	624.9	0.87	-0.73	-3.47	-62.0	52.4
4,769.0	8.00	111.58	4,697.2	-270.1	636.9	0.55	0.55	0.27	-56.6	54.9
4,864.0	9.93	118.00	4,791.0	-276.4	650.3	2.29	2.03	6.76	-47.0	61.7
4,960.0	10.81	124.50	4,885.5	-285.4	665.0	1.52	0.92	6.77	-39.0	65.6
5,056.0	9.23	128.28	4,980.0	-295.2	678.5	1.78	-1.65	3.94	-33.4	65.5
5,152.0	8.53	129.60	5,074.8	-304.6	690.0	0.76	-0.73	1.37	-28.8	62.9
5,247.0	7.47	127.57	5,168.9	-312.8	700.4	1.15	-1.12	-2.14	-26.3	58.9
5,438.0	7.56	126.34	5,358.3	-327.8	720.3	0.10	0.05	-0.64	-16.6	53.1
5,534.0	7.38	122.13	5,453.5	-334.8	730.6	0.60	-0.19	-4.39	-14.7	50.2
5,630.0	8.79	121.33	5,548.5	-341.9	742.1	1.47	1.47	-0.83	-10.8	49.0
5,726.0	10.37	120.19	5,643.2	-350.1	755.8	1.66	1.65	-1.19	-9.5	48.1
5,821.0	10.20	117.56	5,736.6	-358.3	770.7	0.53	-0.18	-2.77	-10.7	47.5
5,918.0	10.28	116.06	5,832.1	-366.1	786.1	0.29	0.08	-1.55	-10.8	47.8
6,013.0	11.34	115.09	5,925.4	-373.8	802.2	1.13	1.12	-1.02	-11.4	48.6
6,108.0	10.81	114.48	6,018.6	-381.4	818.7	0.57	-0.56	-0.64	-12.3	49.6
6,204.0	10.20	110.52	6,113.0	-388.1	834.9	0.98	-0.64	-4.12	-15.1	50.6
6,300.0	9.49	111.93	6,207.6	-394.1	850.2	0.78	-0.74	1.47	-12.3	53.2
6,396.0	10.46	111.75	6,302.2	-400.2	865.6	1.01	1.01	-0.19	-11.0	55.3
6,492.0	10.99	116.06	6,396.5	-407.5	881.9	1.00	0.55	4.49	-6.6	57.4
6,587.0	11.95	116.59	6,489.6	-415.9	898.9	1.02	1.01	0.56	-7.0	58.2
6,683.0	12.92	117.47	6,583.3	-425.3	917.3	1.03	1.01	0.92	-8.7	58.8
6,779.0	13.62	114.57	6,676.8	-434.9	937.1	1.01	0.73	-3.02	-15.6	59.0
6,874.0	13.97	114.83	6,769.0	-444.4	957.7	0.37	0.37	0.27	-20.1	60.3
6,970.0	14.59	120.37	6,862.1	-455.4	978.6	1.56	0.65	5.77	-20.0	62.4
7,065.0	14.06	123.44	6,954.1	-467.8	998.6	0.97	-0.56	3.23	-22.4	62.5
7,161.0	12.57	121.25	7,047.5	-479.6	1,017.2	1.64	-1.55	-2.28	-28.8	60.3



Final PVA

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Design:	OH	Database:	PEDM

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7,256.0	12.22	122.04	7,140.3	-490.3	1,034.6	0.41	-0.37	0.83	-30.5	59.8	
7,352.0	11.43	124.15	7,234.3	-501.0	1,051.1	0.94	-0.82	2.20	-29.9	59.4	
7,448.0	10.99	127.40	7,328.5	-511.9	1,066.2	0.80	-0.46	3.39	-27.3	58.7	
7,543.0	8.61	125.11	7,422.1	-521.5	1,079.2	2.54	-2.51	-2.41	-27.8	55.2	
7,639.0	8.00	125.20	7,517.1	-529.5	1,090.6	0.64	-0.64	0.09	-23.5	53.2	
7,735.0	7.56	125.55	7,612.2	-537.0	1,101.1	0.46	-0.46	0.36	-18.0	51.2	
7,831.0	6.86	123.53	7,707.4	-543.9	1,111.1	0.78	-0.73	-2.10	-14.7	48.8	
8,023.0	3.96	140.67	7,898.5	-555.3	1,124.8	1.71	-1.51	8.93	6.0	44.9	
8,118.0	4.13	173.89	7,993.3	-561.3	1,127.3	2.44	0.18	34.97	27.8	29.7	
8,214.0	3.08	204.39	8,089.1	-567.1	1,126.6	2.24	-1.09	31.77	33.8	8.6	
8,309.0	0.26	247.02	8,184.1	-569.5	1,125.3	3.05	-2.97	44.87	27.8	-16.0	
8,405.0	1.05	71.59	8,280.1	-569.3	1,126.0	1.36	0.82	-182.74	-27.1	18.1	
8,501.0	0.88	81.70	8,376.1	-568.9	1,127.5	0.25	-0.18	10.53	-25.1	22.7	
8,596.0	0.44	91.98	8,471.1	-568.8	1,128.6	0.48	-0.46	10.82	-21.7	27.0	
8,692.0	0.44	90.13	8,567.1	-568.8	1,129.3	0.01	0.00	-1.93	-23.3	26.2	
8,787.0	0.70	147.96	8,662.1	-569.3	1,130.0	0.63	0.27	60.87	9.0	34.0	
8,883.0	0.88	155.09	8,758.0	-570.5	1,130.6	0.21	0.19	7.43	11.9	32.7	
8,979.0	0.70	155.79	8,854.0	-571.7	1,131.2	0.19	-0.19	0.73	10.9	32.5	
9,075.0	0.88	184.26	8,950.0	-573.0	1,131.4	0.44	0.19	29.66	23.9	23.7	
9,171.0	0.79	198.68	9,046.0	-574.3	1,131.1	0.24	-0.09	15.02	27.6	17.2	
9,267.0	0.70	216.61	9,142.0	-575.4	1,130.5	0.26	-0.09	18.68	30.4	8.0	
9,362.0	0.62	202.19	9,237.0	-576.4	1,130.0	0.19	-0.08	-15.18	26.3	15.2	
9,458.0	0.88	212.83	9,333.0	-577.5	1,129.4	0.31	0.27	11.08	27.4	10.2	
9,553.0	0.70	236.82	9,428.0	-578.4	1,128.5	0.39	-0.19	25.25	27.9	-1.6	
9,649.0	1.14	208.70	9,524.0	-579.5	1,127.6	0.64	0.46	-29.29	23.9	11.5	
9,745.0	1.32	205.53	9,620.0	-581.4	1,126.6	0.20	0.19	-3.30	21.2	12.8	
9,841.0	1.23	218.36	9,715.9	-583.2	1,125.5	0.31	-0.09	13.36	21.4	8.0	



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #741H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3343.0usft
Site:	Dogwood 23 Fed Com	MD Reference:	KB = 25' @ 3343.0usft
Well:	#741H	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)
9,936.0	1.05	227.85	9,810.9	-584.6	1,124.3	0.27	-0.19	9.99	20.5	4.5
10,032.0	0.97	200.25	9,906.9	-585.9	1,123.3	0.51	-0.08	-28.75	14.5	13.1
10,128.0	1.05	210.71	10,002.9	-587.4	1,122.6	0.21	0.08	10.90	15.0	10.4
10,223.0	0.88	9.62	10,097.9	-587.5	1,122.3	2.00	-0.18	167.27	-10.1	-14.8
10,319.0	1.32	339.38	10,193.9	-585.7	1,122.0	0.74	0.46	-31.50	-3.1	-18.2
10,414.0	1.14	284.01	10,288.8	-584.5	1,120.7	1.21	-0.19	-58.28	11.7	-13.8
10,510.0	1.58	282.69	10,384.8	-583.9	1,118.5	0.46	0.46	-1.37	9.7	-13.5
10,605.0	1.32	256.06	10,479.8	-583.9	1,116.1	0.75	-0.27	-28.03	12.5	-8.3
10,701.0	1.67	279.97	10,575.8	-583.9	1,113.7	0.74	0.36	24.91	5.7	-12.2
10,797.0	0.35	299.92	10,671.7	-583.5	1,112.1	1.40	-1.37	20.78	-0.5	-12.9
10,892.0	1.41	75.09	10,766.7	-583.1	1,112.9	1.76	1.12	142.28	-9.8	9.7
11,084.0	2.55	95.75	10,958.6	-582.9	1,119.5	0.69	0.59	10.76	-12.2	13.4
11,179.0	1.32	96.45	11,053.6	-583.3	1,122.7	1.29	-1.29	0.74	-15.2	13.5
11,275.0	0.26	115.52	11,149.5	-583.5	1,124.0	1.12	-1.10	19.86	-11.2	18.1
11,370.0	0.26	150.86	11,244.5	-583.8	1,124.3	0.17	0.00	37.20	0.9	21.4
11,562.0	0.09	145.67	11,436.5	-584.3	1,124.6	0.09	-0.09	-2.70	-1.6	21.4
11,658.0	0.26	21.31	11,532.5	-584.1	1,124.7	0.33	0.18	-129.54	-16.9	-13.4
11,753.0	0.53	256.68	11,627.5	-584.0	1,124.3	0.75	0.28	-131.19	20.4	-6.5
11,918.0	1.41	276.71	11,792.5	-584.0	1,121.6	0.56	0.53	12.14	14.2	-12.8
12,030.0	1.85	295.61	11,904.5	-583.0	1,118.6	0.62	0.39	16.87	6.1	-16.2
12,126.0	1.32	297.98	12,000.4	-581.8	1,116.2	0.56	-0.55	2.47	2.8	-16.4
12,222.0	0.97	275.66	12,096.4	-581.2	1,114.4	0.58	-0.36	-23.25	7.0	-14.5
12,318.0	1.14	255.88	12,192.4	-581.4	1,112.7	0.42	0.18	-20.60	9.8	-11.6
12,442.0	1.05	243.67	12,316.4	-582.2	1,110.5	0.20	-0.07	-9.85	9.7	-9.5
12,500.0	0.95	276.43	12,374.4	-582.4	1,109.5	0.99	-0.16	56.48	2.1	-12.9
KOP, MD:12500.0', TVD:12374.4', N/S:-582.4', E/W:1109.5', INC:0.95										
12,509.0	0.97	281.64	12,383.4	-582.3	1,109.4	0.99	0.17	57.94	0.7	-13.1



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #741H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3343.0usft
Site:	Dogwood 23 Fed Com	MD Reference:	KB = 25' @ 3343.0usft
Well:	#741H	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)
12,604.0	9.76	2.50	12,477.9	-574.1	1,108.9	10.16	9.25	85.12	-21.0	-2.0
12,700.0	17.31	5.05	12,571.2	-551.7	1,110.5	7.89	7.86	2.66	-43.5	-0.7
12,796.0	23.38	8.12	12,661.1	-518.6	1,114.5	6.42	6.32	3.20	-66.0	2.5
12,892.0	26.10	11.73	12,748.3	-479.1	1,121.5	3.24	2.83	3.76	-74.0	5.4
12,986.0	31.38	6.45	12,830.7	-434.5	1,128.4	6.23	5.62	-5.62	-66.7	-0.6
13,082.0	48.34	3.64	12,904.2	-373.4	1,133.5	17.76	17.67	-2.93	-55.8	2.2
13,177.0	53.70	2.23	12,963.9	-299.7	1,137.3	5.76	5.64	-1.48	-42.3	10.2
13,273.0	72.42	359.51	13,007.2	-214.5	1,138.4	19.66	19.50	-2.83	-28.3	22.0
13,295.6	74.24	359.89	13,013.7	-192.8	1,138.3	8.22	8.06	1.69	-25.9	25.6
LL Crossing, MD:13295.6', TVD:13013.7', N/S:-192.8', E/W:1138.3', INC:74.24										
13,369.0	80.16	1.09	13,029.9	-121.3	1,138.9	8.22	8.06	1.63	-15.6	36.0
13,398.0	82.39	1.76	13,034.3	-92.6	1,139.6	8.02	7.68	2.32	-10.8	39.0
FTP Crossing, MD:13398.0', TVD:13034.3', N/S:-92.6', E/W:1139.6', INC:82.39										
13,465.0	87.54	3.29	13,040.2	-26.0	1,142.6	8.02	7.69	2.28	-4.3	37.9
13,560.0	91.76	7.24	13,040.8	68.6	1,151.3	6.08	4.44	4.16	-3.7	28.4
13,656.0	89.38	3.29	13,039.8	164.1	1,160.1	4.80	-2.48	-4.11	-4.2	18.9
13,752.0	89.21	2.23	13,041.0	260.0	1,164.7	1.12	-0.18	-1.10	-2.7	13.6
13,848.0	90.62	2.94	13,041.2	355.9	1,169.1	1.64	1.47	0.74	-2.2	8.6
13,943.0	88.68	359.24	13,041.7	450.9	1,170.9	4.40	-2.04	-3.89	-1.3	6.1
14,039.0	89.47	359.24	13,043.3	546.8	1,169.6	0.82	0.82	0.00	0.5	6.6
14,135.0	91.41	0.39	13,042.6	642.8	1,169.3	2.35	2.02	1.20	0.1	6.2
14,231.0	89.38	0.65	13,041.9	738.8	1,170.1	2.13	-2.11	0.27	-0.2	4.7
14,327.0	89.91	1.53	13,042.5	834.8	1,172.0	1.07	0.55	0.92	0.7	2.1
14,423.0	90.09	2.50	13,042.5	930.7	1,175.4	1.03	0.19	1.01	1.0	-2.0
14,518.0	87.28	2.23	13,044.7	1,025.6	1,179.3	2.97	-2.96	-0.28	3.5	-6.6
14,614.0	87.80	2.85	13,048.8	1,121.4	1,183.5	0.84	0.54	0.65	7.9	-11.5
14,709.0	87.89	3.46	13,052.4	1,216.2	1,188.7	0.65	0.09	0.64	11.8	-17.5



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #741H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3343.0usft
Site:	Dogwood 23 Fed Com	MD Reference:	KB = 25' @ 3343.0usft
Well:	#741H	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)
14,805.0	88.51	359.07	13,055.4	1,312.1	1,190.9	4.62	0.65	-4.57	15.1	-20.3
14,901.0	89.82	359.95	13,056.8	1,408.1	1,190.0	1.64	1.36	0.92	16.8	-20.2
14,996.0	90.70	1.00	13,056.4	1,503.1	1,190.8	1.44	0.93	1.11	16.7	-21.6
15,092.0	91.49	1.18	13,054.5	1,599.1	1,192.7	0.84	0.82	0.19	15.2	-24.2
15,188.0	89.38	0.48	13,053.8	1,695.1	1,194.0	2.32	-2.20	-0.73	14.8	-26.3
15,284.0	90.00	358.98	13,054.3	1,791.1	1,193.6	1.69	0.65	-1.56	15.6	-26.5
15,379.0	91.05	359.24	13,053.4	1,886.0	1,192.1	1.14	1.11	0.27	15.0	-25.8
15,475.0	88.86	358.98	13,053.5	1,982.0	1,190.6	2.30	-2.28	-0.27	15.4	-25.0
15,571.0	89.21	359.51	13,055.1	2,078.0	1,189.4	0.66	0.36	0.55	17.4	-24.4
15,666.0	91.05	0.56	13,054.9	2,173.0	1,189.4	2.23	1.94	1.11	17.5	-25.2
15,762.0	92.02	358.10	13,052.3	2,268.9	1,188.3	2.75	1.01	-2.56	15.2	-24.8
15,858.0	92.20	357.58	13,048.8	2,364.8	1,184.7	0.57	0.19	-0.54	12.0	-21.9
15,953.0	90.00	358.37	13,047.0	2,459.7	1,181.3	2.46	-2.32	0.83	10.5	-19.2
16,049.0	91.14	0.65	13,046.0	2,555.7	1,180.5	2.66	1.19	2.37	9.8	-19.1
16,145.0	88.33	1.88	13,046.5	2,651.7	1,182.6	3.20	-2.93	1.28	10.6	-21.9
16,241.0	86.40	357.84	13,050.9	2,747.6	1,182.4	4.66	-2.01	-4.21	15.3	-22.4
16,337.0	88.07	357.31	13,055.5	2,843.3	1,178.3	1.82	1.74	-0.55	20.3	-19.0
16,419.1	90.96	357.01	13,056.2	2,925.4	1,174.3	3.54	3.52	-0.37	21.2	-15.6
TGT#1(Dogwood 23 Fed Com #741H)										
16,432.0	91.41	356.96	13,055.9	2,938.2	1,173.6	3.54	3.52	-0.37	21.0	-15.0
16,528.0	92.55	357.22	13,052.6	3,034.0	1,168.7	1.22	1.19	0.27	18.2	-10.8
16,624.0	89.82	358.28	13,050.6	3,129.9	1,164.9	3.05	-2.84	1.10	16.6	-7.8
16,720.0	91.67	1.00	13,049.4	3,225.9	1,164.3	3.43	1.93	2.83	15.9	-7.8
16,815.0	91.67	1.62	13,046.6	3,320.8	1,166.5	0.65	0.00	0.65	13.6	-10.7
16,911.0	87.71	359.60	13,047.1	3,416.8	1,167.5	4.63	-4.12	-2.10	14.5	-12.4
17,007.0	87.98	0.48	13,050.8	3,512.7	1,167.6	0.96	0.28	0.92	18.6	-13.2
17,103.0	87.71	0.83	13,054.4	3,608.7	1,168.7	0.46	-0.28	0.36	22.7	-15.0



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #741H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3343.0usft
Site:	Dogwood 23 Fed Com	MD Reference:	KB = 25' @ 3343.0usft
Well:	#741H	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)
17,198.0	88.68	358.54	13,057.4	3,703.6	1,168.2	2.62	1.02	-2.41	26.2	-15.2
17,294.0	89.38	359.51	13,059.0	3,799.6	1,166.5	1.25	0.73	1.01	28.3	-14.3
17,390.0	90.00	357.05	13,059.5	3,895.5	1,163.7	2.64	0.65	-2.56	29.3	-12.1
17,486.0	91.76	357.57	13,058.0	3,991.4	1,159.2	1.91	1.83	0.54	28.2	-8.3
17,581.0	92.90	356.96	13,054.2	4,086.2	1,154.6	1.36	1.20	-0.64	24.8	-4.4
17,677.0	89.91	352.30	13,051.8	4,181.7	1,145.7	5.77	-3.11	-4.85	23.0	3.8
17,780.0	91.93	353.44	13,050.2	4,283.9	1,132.9	2.25	1.96	1.11	21.9	15.8
17,876.0	93.60	357.14	13,045.5	4,379.5	1,125.0	4.22	1.74	3.85	17.7	23.0
17,972.0	93.16	359.68	13,039.9	4,475.2	1,122.3	2.68	-0.46	2.65	12.4	25.0
18,068.0	91.41	1.53	13,036.0	4,571.2	1,123.4	2.65	-1.82	1.93	9.1	23.3
18,164.0	88.33	3.81	13,036.3	4,667.0	1,127.8	3.99	-3.21	2.37	9.8	18.1
18,260.0	86.31	3.11	13,040.7	4,762.7	1,133.6	2.23	-2.10	-0.73	14.7	11.6
18,356.0	86.31	3.11	13,046.9	4,858.4	1,138.8	0.00	0.00	0.00	21.4	5.7
18,451.0	86.92	2.94	13,052.5	4,953.1	1,143.8	0.67	0.64	-0.18	27.5	0.0
18,547.0	88.33	1.62	13,056.5	5,048.9	1,147.6	2.01	1.47	-1.37	31.9	-4.5
18,658.0	89.82	359.33	13,058.3	5,159.9	1,148.5	2.46	1.34	-2.06	34.2	-6.2
18,739.0	90.62	359.95	13,058.0	5,240.9	1,148.0	1.25	0.99	0.77	34.3	-6.3
18,835.0	91.49	0.21	13,056.2	5,336.9	1,148.2	0.95	0.91	0.27	33.0	-7.1
18,930.0	92.46	0.30	13,053.0	5,431.8	1,148.6	1.03	1.02	0.09	30.2	-8.3
19,026.0	90.97	0.21	13,050.1	5,527.8	1,149.0	1.55	-1.55	-0.09	27.8	-9.4
19,122.0	92.02	0.65	13,047.6	5,623.8	1,149.7	1.19	1.09	0.46	25.8	-10.8
19,217.0	91.05	0.65	13,045.0	5,718.7	1,150.8	1.02	-1.02	0.00	23.7	-12.6
19,312.0	90.26	358.80	13,043.9	5,813.7	1,150.4	2.12	-0.83	-1.95	23.1	-12.8
19,408.0	89.65	357.66	13,044.0	5,909.7	1,147.4	1.35	-0.64	-1.19	23.6	-10.6
19,504.0	90.18	357.66	13,044.2	6,005.6	1,143.5	0.55	0.55	0.00	24.2	-7.3
19,599.0	90.09	358.54	13,043.9	6,100.5	1,140.3	0.93	-0.09	0.93	24.5	-4.9
19,695.0	90.53	358.37	13,043.4	6,196.5	1,137.7	0.49	0.46	-0.18	24.4	-3.0



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #741H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3343.0usft
Site:	Dogwood 23 Fed Com	MD Reference:	KB = 25' @ 3343.0usft
Well:	#741H	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)
19,791.0	89.74	359.86	13,043.2	6,292.5	1,136.3	1.76	-0.82	1.55	24.7	-2.2
19,887.0	90.79	0.21	13,042.7	6,388.5	1,136.3	1.15	1.09	0.36	24.7	-3.0
19,983.0	89.21	0.56	13,042.7	6,484.5	1,137.0	1.69	-1.65	0.36	25.2	-4.3
20,078.0	90.00	0.56	13,043.4	6,579.5	1,137.9	0.83	0.83	0.00	26.3	-6.0
20,174.0	90.35	0.56	13,043.1	6,675.4	1,138.8	0.36	0.36	0.00	26.5	-7.6
20,270.0	90.53	1.00	13,042.4	6,771.4	1,140.1	0.50	0.19	0.46	26.2	-9.6
20,365.0	89.38	0.91	13,042.4	6,866.4	1,141.7	1.21	-1.21	-0.09	26.7	-11.9
20,461.0	90.00	1.27	13,043.0	6,962.4	1,143.5	0.75	0.65	0.37	27.7	-14.4
20,511.6	89.45	0.57	13,043.2	7,013.0	1,144.4	1.76	-1.09	-1.37	28.2	-15.6
TGT#2(Dogwood 23 Fed Com #741H)										
20,557.0	88.95	359.95	13,043.8	7,058.4	1,144.6	1.76	-1.09	-1.38	29.2	-16.1
20,653.0	91.05	1.62	13,043.8	7,154.4	1,145.9	2.79	2.19	1.74	29.9	-18.1
20,748.0	89.21	0.39	13,043.6	7,249.3	1,147.5	2.33	-1.94	-1.29	30.4	-20.5
20,844.0	88.51	359.77	13,045.5	7,345.3	1,147.7	0.97	-0.73	-0.65	33.1	-21.4
20,940.0	88.86	0.04	13,047.7	7,441.3	1,147.5	0.46	0.36	0.28	36.0	-21.9
21,035.0	89.30	0.30	13,049.3	7,536.3	1,147.8	0.54	0.46	0.27	38.3	-22.9
21,131.0	89.74	0.30	13,050.1	7,632.3	1,148.3	0.46	0.46	0.00	39.8	-24.1
21,226.0	90.26	0.39	13,050.1	7,727.3	1,148.9	0.56	0.55	0.09	40.6	-25.4
21,322.0	89.38	358.37	13,050.4	7,823.3	1,147.8	2.30	-0.92	-2.10	41.6	-25.0
21,417.0	91.76	0.21	13,049.4	7,918.2	1,146.7	3.17	2.51	1.94	41.4	-24.5
21,513.0	90.18	0.04	13,047.8	8,014.2	1,146.9	1.66	-1.65	-0.18	40.5	-25.5
21,609.0	89.56	359.77	13,048.0	8,110.2	1,146.7	0.70	-0.65	-0.28	41.5	-26.0
21,705.0	89.12	0.04	13,049.1	8,206.2	1,146.6	0.54	-0.46	0.28	43.3	-26.5
21,801.0	87.36	356.70	13,052.1	8,302.1	1,143.8	3.93	-1.83	-3.48	47.0	-24.5
21,896.0	87.71	355.90	13,056.2	8,396.8	1,137.7	0.92	0.37	-0.84	51.8	-19.1
21,992.0	88.07	356.17	13,059.7	8,492.5	1,131.1	0.47	0.37	0.28	56.1	-13.2
22,088.0	90.44	356.43	13,060.9	8,588.3	1,124.9	2.48	2.47	0.27	58.1	-7.7

Company:	Midland	Local Co-ordinate Reference:	Well #741H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3343.0usft
Site:	Dogwood 23 Fed Com	MD Reference:	KB = 25' @ 3343.0usft
Well:	#741H	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)
22,183.0	91.14	356.61	13,059.6	8,683.1	1,119.1	0.76	0.74	0.19	57.5	-2.6
22,279.0	92.72	356.87	13,056.4	8,778.9	1,113.7	1.67	1.65	0.27	55.0	2.1
22,375.0	90.53	356.96	13,053.7	8,874.7	1,108.5	2.28	-2.28	0.09	53.0	6.6
22,470.0	90.18	356.26	13,053.1	8,969.6	1,102.9	0.82	-0.37	-0.74	53.2	11.5
22,566.0	92.29	357.66	13,051.0	9,065.4	1,097.8	2.64	2.20	1.46	51.9	15.9
22,662.0	89.21	357.40	13,049.8	9,161.3	1,093.6	3.22	-3.21	-0.27	51.3	19.4
22,757.0	89.56	358.01	13,050.8	9,256.2	1,089.8	0.74	0.37	0.64	53.1	22.5
22,853.0	90.97	359.07	13,050.3	9,352.2	1,087.4	1.84	1.47	1.10	53.4	24.2
22,949.0	88.95	359.07	13,050.4	9,448.2	1,085.8	2.10	-2.10	0.00	54.2	25.1
23,045.0	89.82	359.42	13,051.4	9,544.2	1,084.6	0.98	0.91	0.36	56.0	25.6
23,141.0	89.30	358.89	13,052.2	9,640.1	1,083.2	0.77	-0.54	-0.55	57.4	26.3
23,237.0	89.03	0.12	13,053.6	9,736.1	1,082.3	1.31	-0.28	1.28	59.6	26.5
23,331.0	89.03	0.30	13,055.2	9,830.1	1,082.7	0.19	0.00	0.19	61.9	25.5
23,426.0	88.15	359.51	13,057.5	9,925.1	1,082.5	1.24	-0.93	-0.83	65.0	24.9
23,521.0	90.09	0.30	13,059.0	10,020.1	1,082.4	2.20	2.04	0.83	67.1	24.4
23,616.0	90.35	0.30	13,058.6	10,115.1	1,082.9	0.27	0.27	0.00	67.5	23.2
23,697.0	90.88	0.56	13,057.7	10,196.1	1,083.5	0.73	0.65	0.32	67.3	22.0
Last MWD Survey (MD=23697.0')										
23,756.0	90.88	0.56	13,056.8	10,255.0	1,084.0	0.00	0.00	0.00	66.8	21.0
Projection to Bit (MD=23756.0') - PBHL (Dogwood 23 Fed Com #741H)										



Final PVA

Company: Midland
Project: Lea County, NM (NAD 83 NME)
Site: Dogwood 23 Fed Com
Well: #741H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #741H
TVD Reference: KB = 25' @ 3343.0usft
MD Reference: KB = 25' @ 3343.0usft
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)	
12,500.0	12,374.4	-582.4	1,109.5	KOP, MD:12500.0', TVD:12374.4', N/S:-582.4', E/W:1109.5', INC:0.95
13,295.6	13,013.7	-192.8	1,138.3	LL Crossing, MD:13295.6', TVD:13013.7', N/S:-192.8', E/W:1138.3', INC:74.24
13,398.0	13,034.3	-92.6	1,139.6	FTP Crossing, MD:13398.0', TVD:13034.3', N/S:-92.6', E/W:1139.6', INC:82.39
23,697.0	13,057.7	10,196.1	1,083.5	Last MWD Survey (MD=23697.0')
23,756.0	13,056.8	10,255.0	1,084.0	Projection to Bit (MD=23756.0')

Checked By: _____ Approved By: _____ Date: _____

I CERTIFY THIS SURVEY TO BE TRUE AND CORRECT TO THE BEST OF MY BELIEF AND KNOWLEDGE
 KAY MADDOX 07/15/2021



Lea County, NM (NAD 83 NME)

Dogwood 23 Fed Com #741H

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: #741H

Ground Level: 3318.0
KB = 25' @ 3343.0usft
Northing 372734.00 Easting 787250.00 Latitude 32° 1' 20.077 N Longitude 103° 32' 23.482 W

SECTION DETAILS

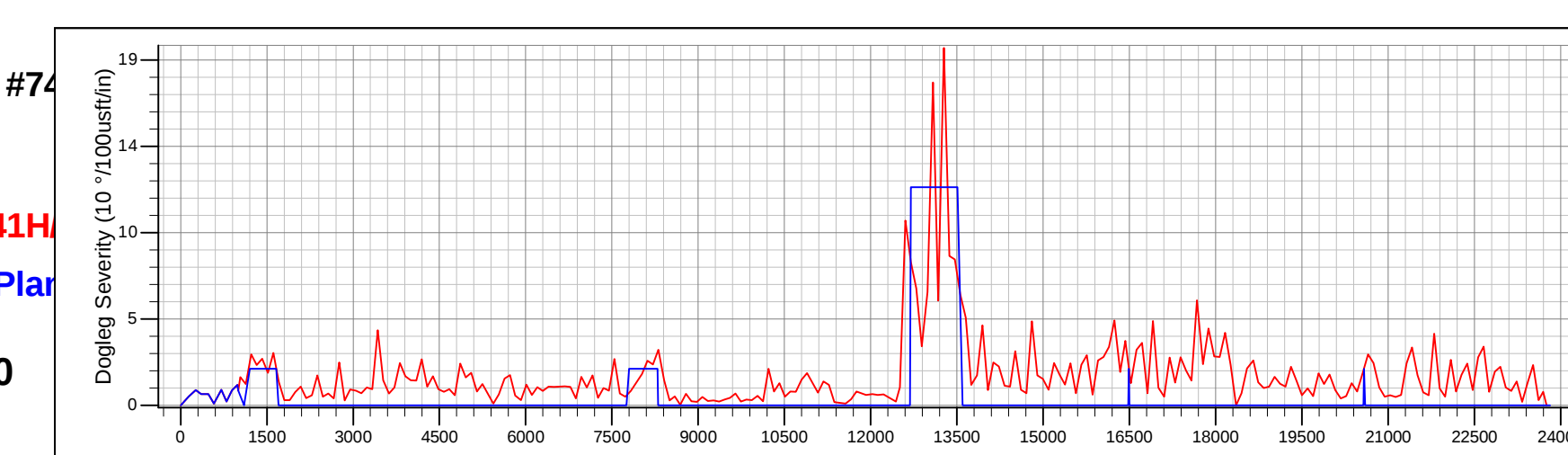
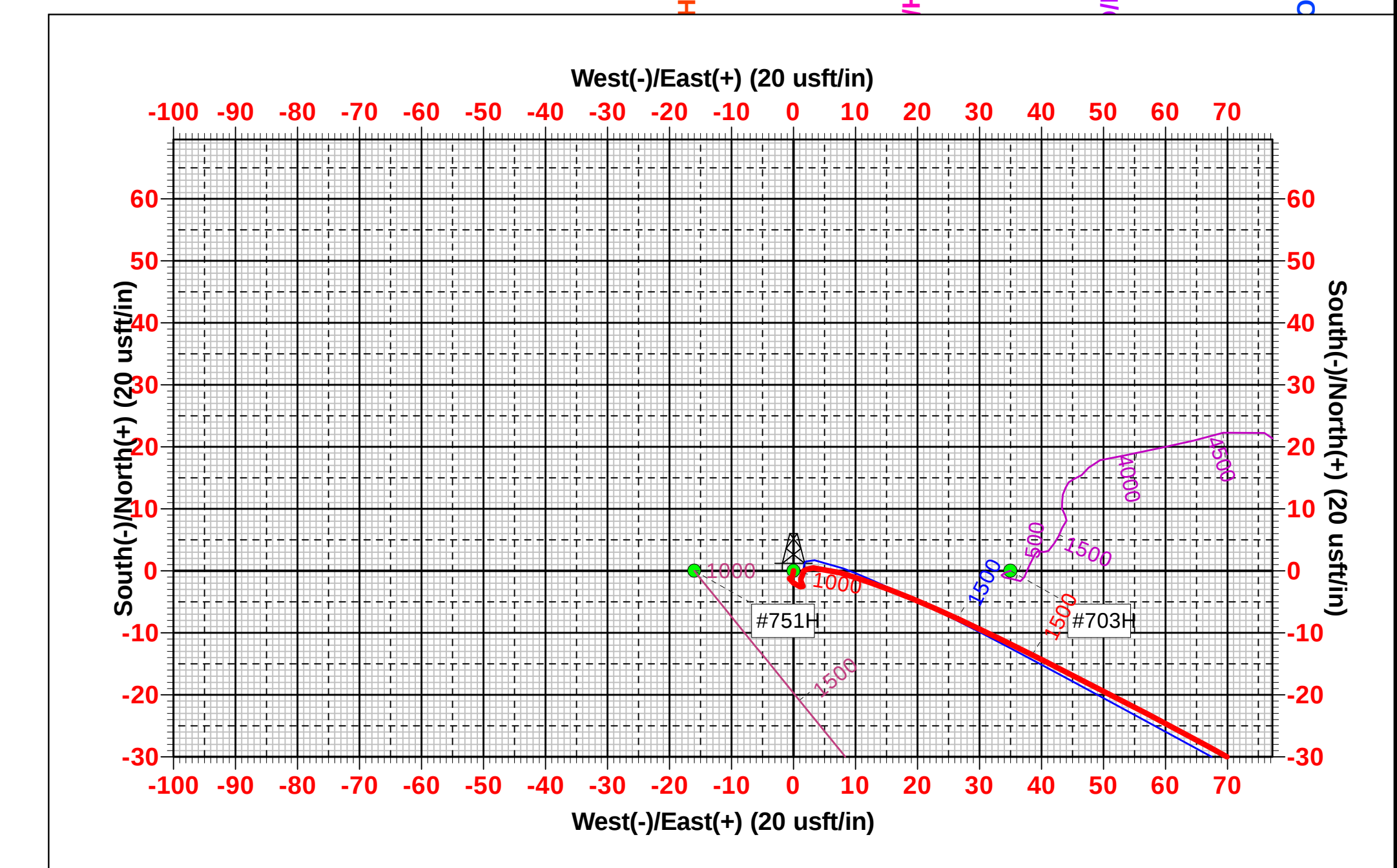
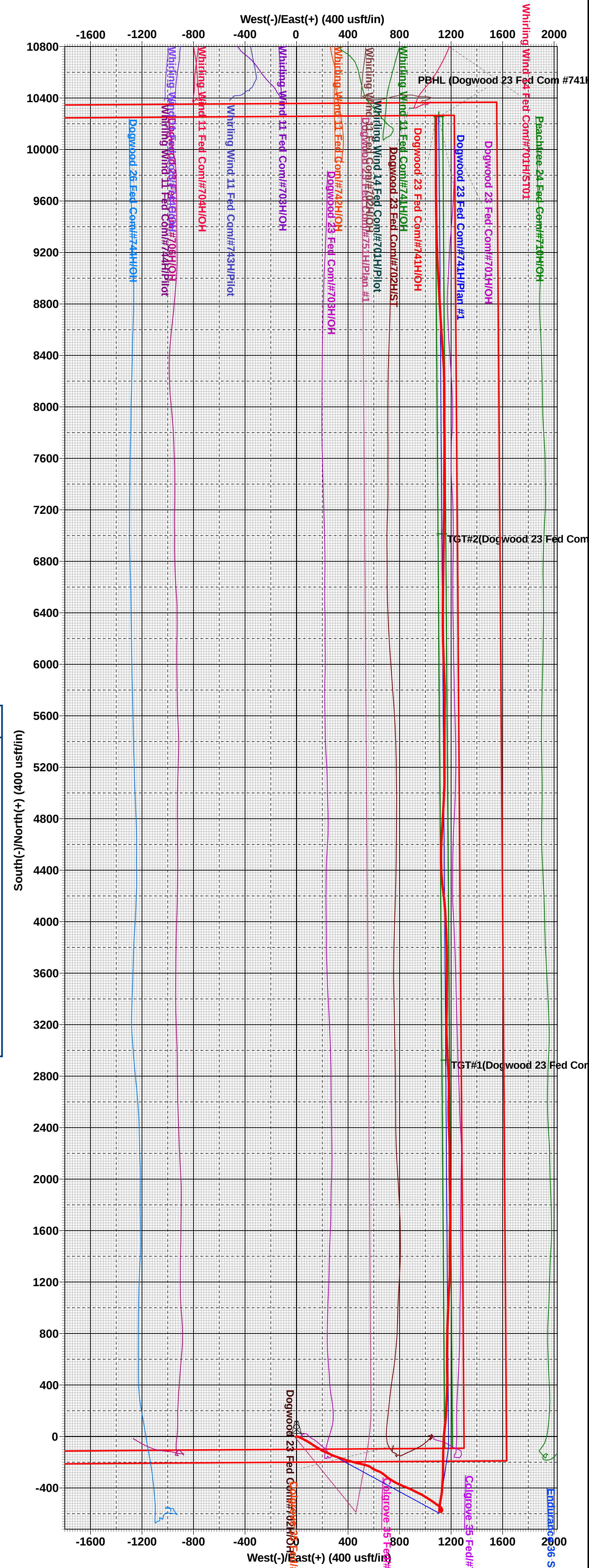
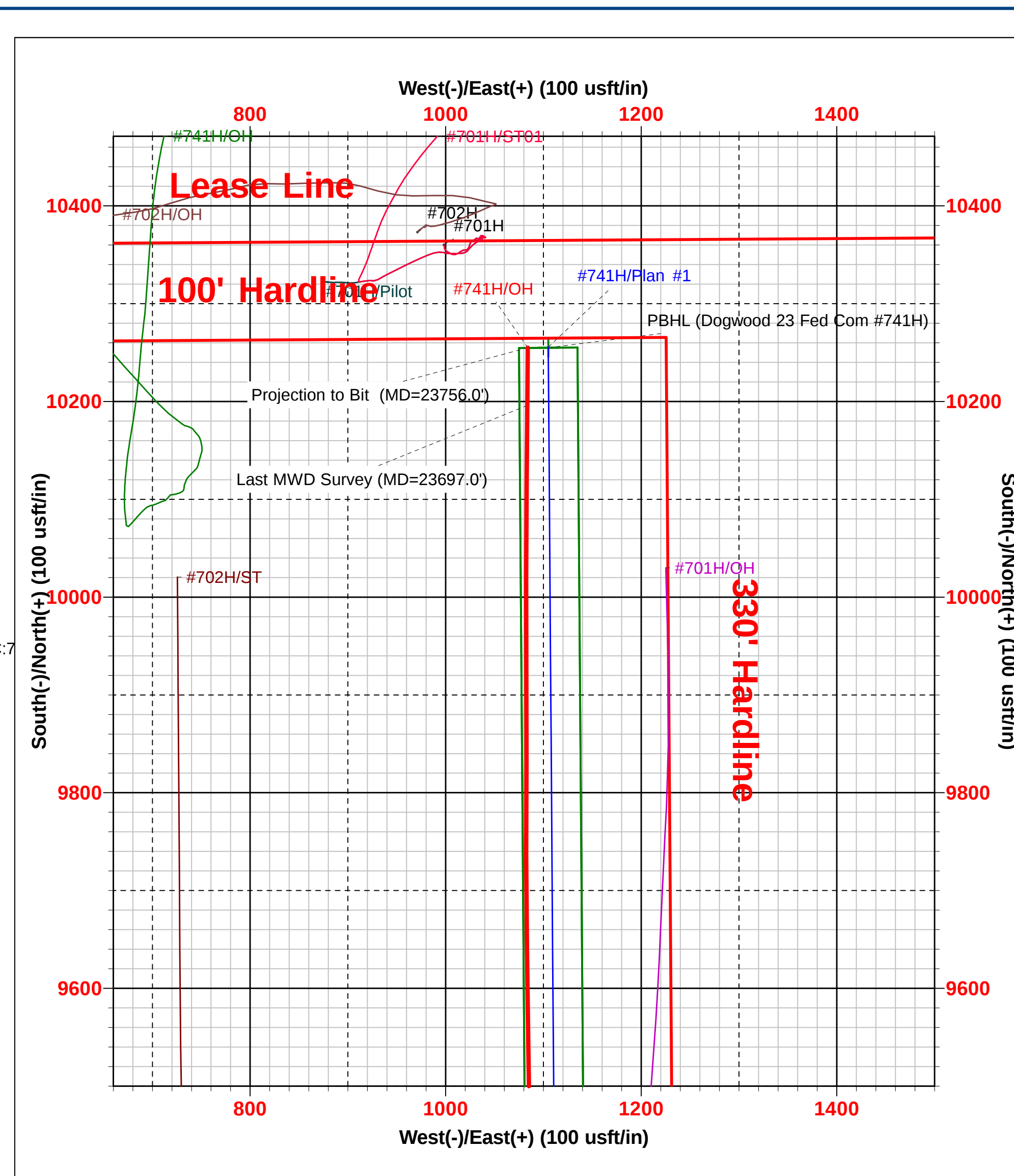
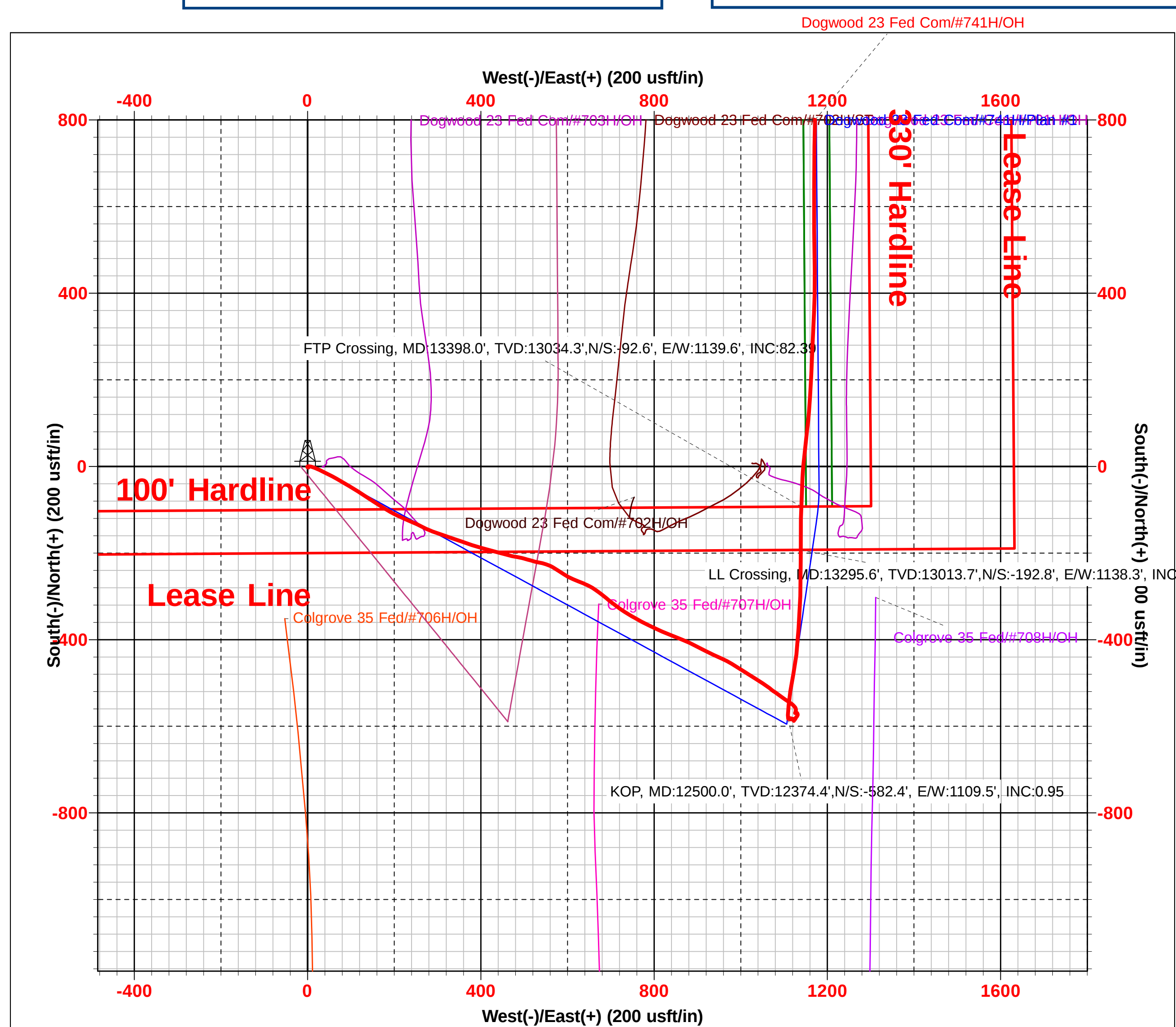
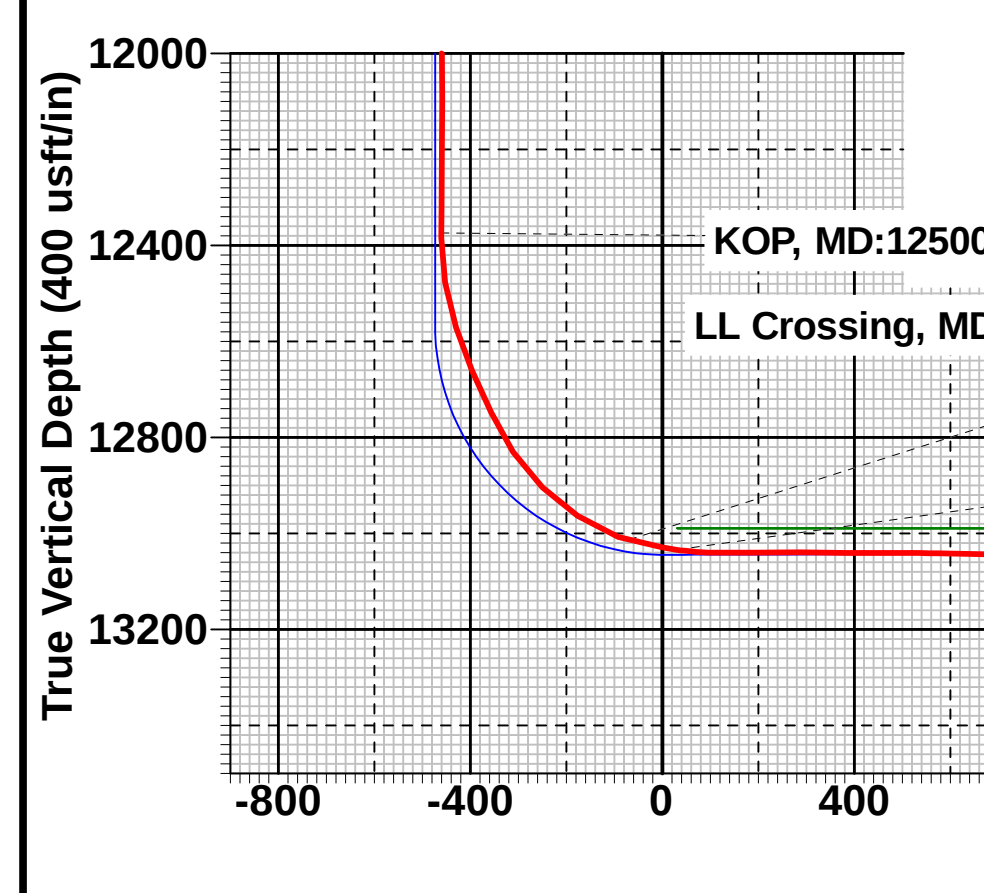
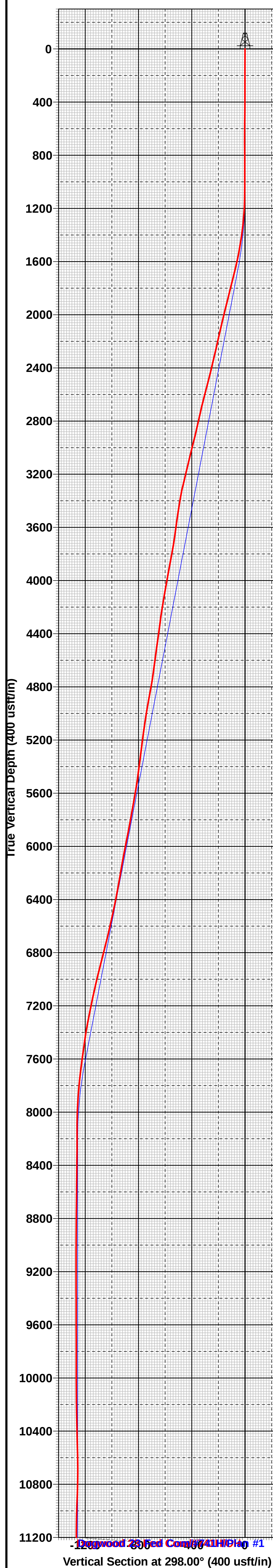
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1001.0	0.88	8.54	1001.0	-0.4	1.5	0.00	0.00	-0.2	
1100.0	0.88	8.54	1100.0	1.1	1.7	0.00	0.00	1.3	
1661.6	10.90	118.55	1658.2	-20.1	49.2	2.00	114.18	-14.7	
7750.5	10.90	118.55	7637.3	-570.3	1060.6	0.00	0.00	-453.4	
8295.5	0.00	0.00	8179.0	-595.0	1106.0	2.00	180.00	-473.1	
12684.0	0.00	0.00	12567.5	-595.0	1106.0	0.00	0.00	-473.1	
13435.6	90.19	8.35	13045.0	-121.0	1175.6	12.00	8.35	5.6	
13508.7	90.19	359.58	13044.7	-48.2	1180.6	12.00	-90.00	78.6	
16481.6	90.19	359.58	13035.0	2924.7	1158.7	0.00	0.00	3032.0	TGT#1(Dogwood 23 Fed Com #741H)
16486.3	90.28	359.58	13035.0	2929.3	1158.7	2.00	1.60	3036.6	TGT#2(Dogwood 23 Fed Com #741H)
20570.5	90.28	359.58	13015.0	7013.4	1128.7	0.00	0.00	7094.0	
20578.6	90.44	359.58	13014.9	7021.5	1128.7	2.00	0.00	7102.0	
23812.3	90.44	359.58	12990.0	10255.0	1105.0	0.00	0.00	10314.4	PBHL (Dogwood 23 Fed Com #741H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
PBHL (Dogwood 23 Fed Com #741H)	12990.0	10255.0	1105.0	382989.00	788355.00
TGT#2(Dogwood 23 Fed Com #741H)	13015.0	7013.4	1128.7	379747.40	788378.75
TGT#1(Dogwood 23 Fed Com #741H)	13035.0	2924.7	1158.7	375658.70	788408.70



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 DOGWOOD 23 FEDERAL COM		
								6. Well Number: 741H		
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			
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	O	23	26S	33E		200	SOUTH	1630	EAST	LEA
BH:	A	14	26S	33E		108	NORTH	471	EAST	LEA
13. Date Spudded 04/02/2021	14. Date T.D. Reached 05/17/2021		15. Date Rig Released 05/22/2021			16. Date Completed (Ready to Produce) 07/12/2021		17. Elevations (DF and RKB, RT, GR, etc.) 3318' GR		
18. Total Measured Depth of Well MD 23,756' TVD 13,056'			19. Plug Back Measured Depth MD 23,699' TVD 13,056'			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 13,436 - 23,699'										
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"		40# J-55		1020'		12 1/4"		875 CL C/CIRC		
7 5/8"		29.7# ECP 110		11,964'		8 3/4"		1769 CL C & H/ CIRC		
5 1/2"		20# HCP 110		23,741'		6 3/4"		1130 CL H TOC 7130' 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) 13,436 - 23,699' 3 1/8", 3000 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						13,436 - 23,699'		FRAC W/24,862,890 lbs proppant, 472,577 bbls load fld		
28. PRODUCTION										
Date First Production 07/12/2021		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 07/14/2021	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 2225	Gas - MCF 4732	Water - Bbl. 11,112	Gas - Oil Ratio 2126			
Flow Tubing Press.	Casing Pressure 2239	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (<i>Corr.</i>) 45				
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 Printed Signature Kay Maddox Name Kay Maddox Title Senior Regulatory Specialist Date 07/19/2021 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	914'	T. Canyon	Brushy	8180'	T. Ojo Alamo	T. Penn A "
T. Salt		1251'	T. Strawn			T. Kirtland	T. Penn. "B"
B. Salt		4868'	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	10,252'		T. Entrada	
T. Wolfcamp	12,339'		T. 2nd BS Sand	10,850'		T. Wingate	
T. Penn			T. 3rd BS Sand	11,915'		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.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

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 36963

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 36963
	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 36963

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 36963
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 within 10 days to NMOCD after BLM approval.	9/2/2021