

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 - 025-47284	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 748H

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
N	23	26S	33E		194	SOUTH	2457	WEST	LEA

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	14	26S	33E		101	NORTH	1607	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 04/01/2021	²² Ready Date 07/12/2021	²³ TD 23,905	²⁴ PBTD 23,880	²⁵ Perforations 13,543- 23,880	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
12 1/4		9 5/8"		957'	
8 3/4"		7 5/8"		11,976'	
6 3/4"		5 1/2"		23,890'	
				1135 SXS CL H TOC 11,644' CBL	

V. Well Test Data

³¹ Date New Oil 07/12/2021	³² Gas Delivery Date 07/12/2021	³³ Test Date 07/16/2021	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 1739
³⁷ Choke Size	³⁸ Oil 1506	³⁹ Water 8933	⁴⁰ Gas 3358		⁴¹ Test Method

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: Kay Maddox Printed name: Kay Maddox Title: SENIOR REGULATORY SPECIALIST E-mail Address: kay_maddox@eogresources.com Date: 07/19/2021	Phone: 432-638-8475	OIL CONSERVATION DIVISION	
	Approved by: PATRICIA MARTINEZ		
	Title: PETROLEUM SPECIALIST		
	Approval Date: 9/2/2021		

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 30-025-47284	² Pool Code 98097	³ Pool Name SANDERS TANK; UPPER WOLFCAMP
⁴ Property Code 319664	⁵ Property Name DOGWOOD 23 FED COM	⁶ Well Number 748H
⁷ GRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3304'

¹⁰Surface Location

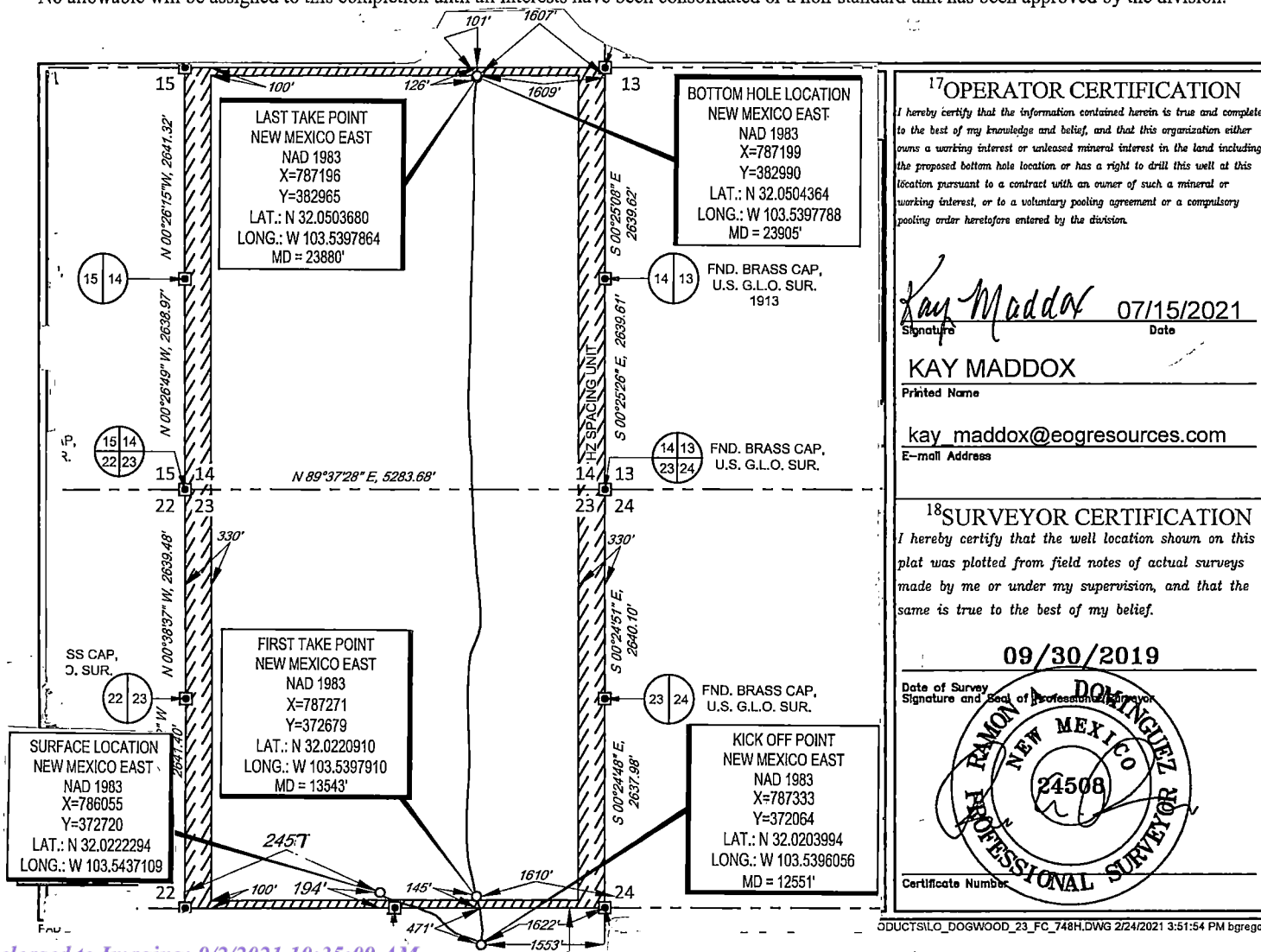
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	23	26-S	33-E	-	194'	SOUTH	2457'	WEST	LEA

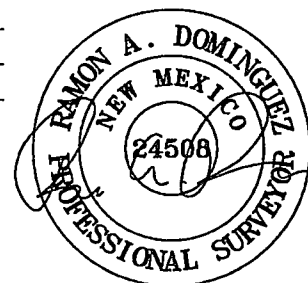
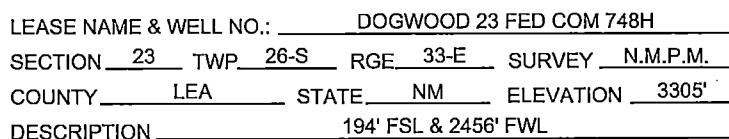
¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	14	26-S	33-E	-	101	NORTH	1607'	EAST	LEA

¹² Dedicated Acres 1280	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.





Ramon A. Dominguez, P.S. No. 24508
June 24, 2021



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

DOGWOOD 23 FED COM 748H AS-COMPLETE	REVISION:	
DATE: 06/23/2021		
FILE:AD_DOGWOOD_23_FED_COM_748H		
DRAWN BY: A.V.F.		
SHEET: 1 OF 1		

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 EGG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.



Midland

Lea County, NM (NAD 83 NME)

Dogwood 23 Fed Com

#748H

ST01

Design: ST01

Final PVA

02 June, 2021



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #748H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3330.0usft
Site:	Dogwood 23 Fed Com	MD Reference:	KB = 26' @ 3330.0usft
Well:	#748H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	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		#748H				
Well Position	+N/-S	0.0 usft	Northing:	372,720.00 usft	Latitude:	32° 1' 20.025 N
	+E/-W	0.0 usft	Easting:	786,055.00 usft	Longitude:	103° 32' 37.364 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,304.0 usft

Wellbore	ST01				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	5/8/2021	6.53	59.72	47,388.60143965

Design	ST01			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 12,969.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	6.11



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Survey Program		Date	6/2/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
183.0	12,969.0	Driltech MWD (OH)	EOG MWD+IFR1	MWD + IFR1	
13,065.0	23,905.0	Driltech MWD (ST01)	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
183.0	0.18	198.15	183.0	-0.3	-0.1	0.10	0.10	0.00	0.0	0.0	0.0
299.0	0.35	174.33	299.0	-0.8	-0.1	0.17	0.15	-20.53	0.0	0.0	0.0
388.0	0.35	167.21	388.0	-1.3	0.0	0.05	0.00	-8.00	0.0	0.0	0.0
475.0	0.70	168.36	475.0	-2.1	0.1	0.40	0.40	1.32	0.0	0.0	0.0
563.0	0.79	164.66	563.0	-3.2	0.4	0.12	0.10	-4.20	0.0	0.0	0.0
659.0	0.62	161.06	659.0	-4.4	0.8	0.18	-0.18	-3.75	0.0	0.0	0.0
755.0	0.79	156.49	755.0	-5.5	1.2	0.19	0.18	-4.76	0.0	0.0	0.0
851.0	0.88	185.14	851.0	-6.8	1.4	0.44	0.09	29.84	0.0	0.0	0.0
895.0	0.97	192.00	895.0	-7.5	1.3	0.32	0.20	15.59	0.0	0.0	0.0
1,043.0	1.23	184.79	1,042.9	-10.3	0.9	0.20	0.18	-4.87	0.0	0.0	0.0
1,137.0	3.25	143.92	1,136.9	-13.5	2.4	2.61	2.15	-43.48	0.0	0.0	0.0
1,233.0	5.71	131.18	1,232.6	-18.8	7.6	2.75	2.56	-13.27	0.0	0.0	0.0
1,329.0	8.17	128.10	1,327.8	-26.2	16.5	2.59	2.56	-3.21	0.0	0.0	0.0
1,425.0	9.76	126.96	1,422.7	-35.3	28.4	1.67	1.66	-1.19	0.0	0.0	0.0
1,521.0	10.28	124.14	1,517.2	-45.0	42.0	0.74	0.54	-2.94	0.0	0.0	0.0
1,617.0	11.60	119.66	1,611.5	-54.5	57.5	1.63	1.37	-4.67	0.0	0.0	0.0
1,713.0	12.83	114.74	1,705.3	-63.8	75.5	1.68	1.28	-5.12	0.0	0.0	0.0
1,809.0	13.45	111.14	1,798.8	-72.3	95.6	1.07	0.65	-3.75	0.0	0.0	0.0
1,905.0	13.18	112.02	1,892.2	-80.4	116.2	0.35	-0.28	0.92	0.0	0.0	0.0
2,001.0	13.18	114.92	1,985.7	-89.1	136.3	0.69	0.00	3.02	0.0	0.0	0.0

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Well:	#748H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	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)
2,097.0	12.92	115.71	2,079.2	-98.4	155.9	0.33	-0.27	0.82	0.0	0.0
2,193.0	11.43	114.56	2,173.0	-107.0	174.2	1.57	-1.55	-1.20	0.0	0.0
2,385.0	15.56	102.96	2,359.7	-120.7	216.6	2.56	2.15	-6.04	0.0	0.0
2,481.0	15.56	103.23	2,452.2	-126.5	241.7	0.08	0.00	0.28	0.0	0.0
2,577.0	15.73	104.28	2,544.6	-132.7	266.8	0.34	0.18	1.09	0.0	0.0
2,672.0	15.73	104.19	2,636.1	-139.0	291.8	0.03	0.00	-0.09	0.0	0.0
2,768.0	15.21	104.90	2,728.6	-145.4	316.6	0.58	-0.54	0.74	0.0	0.0
2,864.0	14.85	103.93	2,821.3	-151.6	340.7	0.46	-0.37	-1.01	0.0	0.0
2,960.0	15.12	101.21	2,914.1	-157.0	364.9	0.78	0.28	-2.83	0.0	0.0
3,056.0	15.64	99.71	3,006.6	-161.7	390.0	0.68	0.54	-1.56	0.0	0.0
3,151.0	16.00	109.20	3,098.0	-168.1	414.9	2.75	0.38	9.99	0.0	0.0
3,246.0	16.52	107.88	3,189.2	-176.6	440.2	0.67	0.55	-1.39	0.0	0.0
3,342.0	15.73	108.06	3,281.5	-184.8	465.5	0.82	-0.82	0.19	0.0	0.0
3,438.0	12.39	116.32	3,374.6	-193.4	487.1	4.05	-3.48	8.60	0.0	0.0
3,534.0	11.60	120.01	3,468.5	-202.8	504.7	1.15	-0.82	3.84	0.0	0.0
3,630.0	10.20	117.55	3,562.8	-211.6	520.6	1.54	-1.46	-2.56	0.0	0.0
3,726.0	10.46	110.43	3,657.2	-218.5	536.3	1.36	0.27	-7.42	0.0	0.0
3,822.0	12.57	111.84	3,751.3	-225.5	554.2	2.22	2.20	1.47	0.0	0.0
3,918.0	13.27	110.35	3,844.8	-233.2	574.2	0.81	0.73	-1.55	0.0	0.0
4,014.0	12.13	107.18	3,938.5	-240.0	594.2	1.39	-1.19	-3.30	0.0	0.0
4,110.0	11.87	104.90	4,032.4	-245.5	613.4	0.56	-0.27	-2.37	0.0	0.0
4,206.0	10.81	107.62	4,126.5	-250.8	631.5	1.24	-1.10	2.83	0.0	0.0
4,302.0	10.55	117.20	4,220.9	-257.5	647.9	1.87	-0.27	9.98	0.0	0.0
4,398.0	8.88	115.62	4,315.5	-264.7	662.4	1.76	-1.74	-1.65	0.0	0.0
4,494.0	8.00	109.91	4,410.4	-270.2	675.3	1.26	-0.92	-5.95	0.0	0.0
4,590.0	7.47	107.97	4,505.6	-274.4	687.6	0.62	-0.55	-2.02	0.0	0.0
4,685.0	8.17	124.23	4,599.7	-280.1	699.0	2.43	0.74	17.12	0.0	0.0



Final PVA

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Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3330.0usft
Site:	Dogwood 23 Fed Com	MD Reference:	KB = 26' @ 3330.0usft
Well:	#748H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	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)
4,781.0	10.20	130.03	4,694.5	-289.4	711.2	2.32	2.11	6.04	0.0	0.0
4,876.0	11.16	130.65	4,787.8	-300.8	724.6	1.02	1.01	0.65	0.0	0.0
4,972.0	12.04	131.88	4,881.9	-313.6	739.1	0.95	0.92	1.28	0.0	0.0
5,068.0	13.27	138.56	4,975.5	-328.5	753.8	1.99	1.28	6.96	0.0	0.0
5,164.0	10.99	139.00	5,069.4	-343.7	767.1	2.38	-2.37	0.46	0.0	0.0
5,260.0	9.49	136.36	5,163.8	-356.3	778.6	1.64	-1.56	-2.75	0.0	0.0
5,356.0	7.73	135.92	5,258.8	-366.7	788.6	1.83	-1.83	-0.46	0.0	0.0
5,452.0	7.56	136.36	5,353.9	-375.9	797.4	0.19	-0.18	0.46	0.0	0.0
5,548.0	8.88	130.21	5,448.9	-385.2	807.4	1.65	1.37	-6.41	0.0	0.0
5,644.0	12.57	136.45	5,543.2	-397.6	820.3	4.02	3.84	6.50	0.0	0.0
5,740.0	16.17	133.64	5,636.2	-414.4	837.2	3.82	3.75	-2.93	0.0	0.0
5,836.0	15.47	131.88	5,728.6	-432.2	856.4	0.88	-0.73	-1.83	0.0	0.0
5,932.0	15.82	130.91	5,821.0	-449.3	875.8	0.46	0.36	-1.01	0.0	0.0
6,028.0	15.47	130.38	5,913.5	-466.1	895.4	0.39	-0.36	-0.55	0.0	0.0
6,123.0	14.68	128.80	6,005.2	-481.9	914.5	0.94	-0.83	-1.66	0.0	0.0
6,219.0	14.77	126.87	6,098.0	-496.9	933.7	0.52	0.09	-2.01	0.0	0.0
6,315.0	14.59	121.33	6,190.9	-510.5	953.9	1.47	-0.19	-5.77	0.0	0.0
6,411.0	14.33	111.49	6,283.9	-521.1	975.2	2.57	-0.27	-10.25	0.0	0.0
6,507.0	13.80	110.35	6,377.0	-529.5	997.0	0.62	-0.55	-1.19	0.0	0.0
6,603.0	13.27	108.85	6,470.3	-537.0	1,018.2	0.66	-0.55	-1.56	0.0	0.0
6,699.0	13.27	108.58	6,563.8	-544.1	1,039.1	0.06	0.00	-0.28	0.0	0.0
6,795.0	13.27	109.29	6,657.2	-551.2	1,059.9	0.17	0.00	0.74	0.0	0.0
6,890.0	12.83	108.41	6,749.8	-558.2	1,080.2	0.51	-0.46	-0.93	0.0	0.0
6,986.0	12.66	107.70	6,843.4	-564.7	1,100.3	0.24	-0.18	-0.74	0.0	0.0
7,082.0	12.13	107.09	6,937.2	-570.9	1,120.0	0.57	-0.55	-0.64	0.0	0.0
7,178.0	12.22	105.07	7,031.0	-576.5	1,139.5	0.45	0.09	-2.10	0.0	0.0
7,274.0	11.87	105.86	7,124.9	-581.8	1,158.8	0.40	-0.36	0.82	0.0	0.0



Final PVA

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Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
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Survey										
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7,370.0	10.99	108.06	7,219.0	-587.4	1,177.0	1.02	-0.92	2.29	0.0	0.0
7,466.0	10.55	109.55	7,313.3	-593.1	1,193.9	0.54	-0.46	1.55	0.0	0.0
7,561.0	9.67	111.04	7,406.8	-598.9	1,209.6	0.97	-0.93	1.57	0.0	0.0
7,753.0	8.17	113.86	7,596.5	-610.2	1,237.1	0.81	-0.78	1.47	0.0	0.0
7,847.0	7.73	112.27	7,689.6	-615.3	1,249.1	0.52	-0.47	-1.69	0.0	0.0
7,943.0	6.59	117.99	7,784.8	-620.4	1,259.9	1.40	-1.19	5.96	0.0	0.0
8,040.0	5.80	118.87	7,881.3	-625.3	1,269.1	0.82	-0.81	0.91	0.0	0.0
8,136.0	5.19	122.38	7,976.8	-630.0	1,277.0	0.73	-0.64	3.66	0.0	0.0
8,232.0	4.83	123.44	8,072.5	-634.6	1,284.1	0.39	-0.37	1.10	0.0	0.0
8,328.0	4.66	121.59	8,168.1	-638.8	1,290.8	0.24	-0.18	-1.93	0.0	0.0
8,423.0	4.66	129.50	8,262.8	-643.3	1,297.0	0.68	0.00	8.33	0.0	0.0
8,519.0	4.39	126.95	8,358.5	-648.0	1,303.0	0.35	-0.28	-2.66	0.0	0.0
8,711.0	3.78	130.91	8,550.0	-656.6	1,313.6	0.35	-0.32	2.06	0.0	0.0
8,807.0	2.99	134.51	8,645.9	-660.4	1,317.8	0.85	-0.82	3.75	0.0	0.0
8,902.0	3.08	143.91	8,740.7	-664.2	1,321.1	0.53	0.09	9.89	0.0	0.0
8,997.0	2.90	150.33	8,835.6	-668.3	1,323.8	0.40	-0.19	6.76	0.0	0.0
9,093.0	0.53	101.64	8,931.5	-670.5	1,325.4	2.69	-2.47	-50.72	0.0	0.0
9,189.0	0.88	338.15	9,027.5	-669.9	1,325.6	1.31	0.36	-128.64	0.0	0.0
9,285.0	0.44	330.95	9,123.5	-668.9	1,325.1	0.47	-0.46	-7.50	0.0	0.0
9,381.0	0.26	279.79	9,219.5	-668.6	1,324.7	0.36	-0.19	-53.29	0.0	0.0
9,477.0	0.18	249.65	9,315.5	-668.6	1,324.4	0.14	-0.08	-31.40	0.0	0.0
9,573.0	0.35	290.34	9,411.5	-668.5	1,323.9	0.25	0.18	42.39	0.0	0.0
9,669.0	0.26	252.63	9,507.5	-668.5	1,323.5	0.22	-0.09	-39.28	0.0	0.0
9,765.0	0.79	265.73	9,603.5	-668.6	1,322.6	0.56	0.55	13.65	0.0	0.0
9,861.0	1.58	287.53	9,699.5	-668.3	1,320.7	0.93	0.82	22.71	0.0	0.0
9,957.0	1.93	278.91	9,795.5	-667.6	1,317.8	0.46	0.36	-8.98	0.0	0.0
10,052.0	0.70	229.34	9,890.4	-667.7	1,315.8	1.65	-1.29	-52.18	0.0	0.0



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #748H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3330.0usft
Site:	Dogwood 23 Fed Com	MD Reference:	KB = 26' @ 3330.0usft
Well:	#748H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	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)
10,148.0	1.49	283.66	9,986.4	-667.8	1,314.1	1.27	0.82	56.58	0.0	0.0
10,244.0	2.02	298.08	10,082.4	-666.7	1,311.4	0.71	0.55	15.02	0.0	0.0
10,340.0	1.93	291.66	10,178.3	-665.4	1,308.4	0.25	-0.09	-6.69	0.0	0.0
10,531.0	2.29	290.52	10,369.2	-662.8	1,301.9	0.19	0.19	-0.60	0.0	0.0
10,627.0	3.16	278.04	10,465.1	-661.8	1,297.5	1.09	0.91	-13.00	0.0	0.0
10,723.0	2.81	291.13	10,561.0	-660.6	1,292.6	0.80	-0.36	13.64	0.0	0.0
10,819.0	1.85	284.36	10,656.9	-659.3	1,288.9	1.04	-1.00	-7.05	0.0	0.0
10,914.0	1.67	288.32	10,751.8	-658.5	1,286.1	0.23	-0.19	4.17	0.0	0.0
11,010.0	0.79	343.69	10,847.8	-657.4	1,284.6	1.44	-0.92	57.68	0.0	0.0
11,106.0	2.11	306.16	10,943.8	-655.8	1,283.0	1.62	1.37	-39.09	0.0	0.0
11,201.0	1.58	292.98	11,038.7	-654.2	1,280.4	0.71	-0.56	-13.87	0.0	0.0
11,297.0	2.55	250.26	11,134.7	-654.4	1,277.2	1.83	1.01	-44.50	0.0	0.0
11,393.0	2.72	179.42	11,230.6	-657.4	1,275.2	3.18	0.18	-73.79	0.0	0.0
11,489.0	2.99	249.82	11,326.5	-660.6	1,272.9	3.44	0.28	73.33	0.0	0.0
11,585.0	3.78	257.29	11,422.3	-662.1	1,267.4	0.94	0.82	7.78	0.0	0.0
11,777.0	3.69	237.43	11,613.9	-666.8	1,256.0	0.67	-0.05	-10.34	0.0	0.0
11,921.0	2.72	234.88	11,757.7	-671.3	1,249.3	0.68	-0.67	-1.77	0.0	0.0
12,009.0	1.85	233.21	11,845.6	-673.4	1,246.5	0.99	-0.99	-1.90	0.0	0.0
12,105.0	0.79	121.33	11,941.6	-674.6	1,245.8	2.36	-1.10	-116.54	0.0	0.0
12,201.0	5.89	62.53	12,037.4	-672.7	1,250.8	5.75	5.31	-61.25	0.0	0.0
12,297.0	5.27	61.03	12,133.0	-668.3	1,259.0	0.66	-0.65	-1.56	0.0	0.0
12,392.0	5.19	59.80	12,227.6	-664.0	1,266.5	0.14	-0.08	-1.29	0.0	0.0
12,488.0	4.57	62.35	12,323.2	-660.1	1,273.7	0.68	-0.65	2.66	0.0	0.0
12,551.0	5.08	28.71	12,386.0	-656.5	1,277.2	4.49	0.80	-53.40	0.0	0.0
KOP, MD:12551.0', TVD:12386.0', N/S:-656.5', E/W:1277.2', INC:5.08										
12,584.0	5.89	15.68	12,418.9	-653.5	1,278.4	4.49	2.47	-39.47	0.0	0.0
12,680.0	16.08	358.98	12,513.0	-635.5	1,279.5	11.01	10.61	-17.40	0.0	0.0

Company:	Midland	Local Co-ordinate Reference:	Well #748H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3330.0usft
Site:	Dogwood 23 Fed Com	MD Reference:	KB = 26' @ 3330.0usft
Well:	#748H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	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)
12,777.0	25.84	7.68	12,603.5	-601.0	1,282.1	10.53	10.06	8.97	0.0	0.0
12,873.0	29.44	10.41	12,688.5	-557.0	1,289.1	3.97	3.75	2.84	0.0	0.0
12,969.0	33.49	5.05	12,770.4	-507.4	1,295.7	5.12	4.22	-5.58	0.0	0.0
13,065.0	37.88	353.36	12,848.5	-451.7	1,294.7	8.43	4.57	-12.18	0.3	3.4
13,160.0	44.30	349.93	12,920.0	-390.0	1,285.5	7.16	6.76	-3.61	1.9	6.4
13,256.0	62.40	353.01	12,977.1	-314.1	1,274.3	19.03	18.85	3.21	4.6	3.2
13,328.0	74.44	352.48	13,003.5	-247.8	1,265.9	16.74	16.72	-0.74	1.4	-4.1
13,393.4	77.75	347.43	13,019.3	-185.3	1,254.8	9.04	5.05	-7.72	0.5	-10.4
LL Crossing, MD:13393.4', TVD:13019.3', N/S:-185.3', E/W:1254.8', INC:77.75										
13,450.0	80.68	343.16	13,029.9	-131.6	1,240.7	9.04	5.18	-7.54	4.6	-13.2
13,498.2	82.64	344.19	13,036.9	-85.8	1,227.3	4.59	4.07	2.13	11.0	-15.2
FTP Crossing, MD:13498.2', TVD:13036.9', N/S:-85.8', E/W:1227.3', INC:82.64										
13,558.0	85.08	345.45	13,043.3	-28.4	1,211.7	4.59	4.08	2.11	17.5	-17.4
13,642.0	88.77	346.41	13,047.8	52.9	1,191.3	4.54	4.39	1.14	22.1	-19.0
13,738.0	94.39	348.17	13,045.1	146.5	1,170.2	6.13	5.85	1.83	19.4	-18.6
13,834.0	95.54	347.03	13,036.8	239.9	1,149.7	1.68	1.20	-1.19	11.1	-13.8
13,929.0	95.19	348.26	13,027.9	332.3	1,129.4	1.34	-0.37	1.29	2.3	-4.5
14,025.0	90.70	350.19	13,023.0	426.5	1,111.5	5.09	-4.68	2.01	-2.6	7.1
14,121.0	88.77	353.01	13,023.4	521.4	1,097.5	3.56	-2.01	2.94	-2.1	18.8
14,217.0	89.47	358.37	13,024.9	617.1	1,090.3	5.63	0.73	5.58	-0.6	24.3
14,313.0	88.95	357.58	13,026.2	713.0	1,086.9	0.99	-0.54	-0.82	0.8	25.8
14,409.0	87.63	359.07	13,029.1	808.9	1,084.1	2.07	-1.37	1.55	3.7	26.8
14,504.0	90.18	0.39	13,030.9	903.9	1,083.6	3.02	2.68	1.39	5.5	25.5
14,599.0	90.09	2.59	13,030.7	998.9	1,086.1	2.32	-0.09	2.32	5.3	21.2
14,696.0	90.00	1.71	13,030.6	1,095.8	1,089.8	0.91	-0.09	-0.91	5.3	15.8
14,792.0	90.97	2.67	13,029.8	1,191.7	1,093.4	1.42	1.01	1.00	4.5	10.3
14,887.0	90.18	3.29	13,028.8	1,286.6	1,098.4	1.06	-0.83	0.65	3.6	3.6



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #748H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3330.0usft
Site:	Dogwood 23 Fed Com	MD Reference:	KB = 26' @ 3330.0usft
Well:	#748H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	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)	
14,983.0	92.20	3.64	13,026.9	1,382.4	1,104.2	2.14	2.10	0.36	1.6	-4.0	
15,079.0	89.82	3.20	13,025.2	1,478.2	1,109.9	2.52	-2.48	-0.46	0.0	-11.6	
15,174.0	89.65	0.39	13,025.6	1,573.1	1,112.9	2.96	-0.18	-2.96	0.4	-16.3	
15,270.0	92.64	2.23	13,023.7	1,669.1	1,115.1	3.66	3.11	1.92	-1.4	-20.3	
15,388.0	90.35	357.49	13,020.6	1,787.0	1,114.8	4.46	-1.94	-4.02	-4.5	-22.3	
15,461.0	89.38	358.28	13,020.8	1,859.9	1,112.1	1.71	-1.33	1.08	-4.3	-20.9	
15,493.0	86.04	356.43	13,022.1	1,891.9	1,110.6	11.93	-10.44	-5.78	-2.9	-20.1	
15,557.0	87.45	356.96	13,025.7	1,955.7	1,106.9	2.35	2.20	0.83	0.7	-17.6	
15,653.0	86.84	357.93	13,030.5	2,051.5	1,102.6	1.19	-0.64	1.01	5.5	-15.1	
15,749.0	86.22	356.61	13,036.3	2,147.2	1,098.1	1.52	-0.65	-1.37	11.3	-12.4	
15,844.0	88.86	357.75	13,040.4	2,242.0	1,093.4	3.03	2.78	1.20	15.4	-9.5	
15,940.0	87.28	357.66	13,043.6	2,337.8	1,089.6	1.65	-1.65	-0.09	18.7	-7.5	
16,036.0	91.76	1.44	13,044.4	2,433.8	1,088.8	6.11	4.67	3.94	19.6	-8.5	
16,228.0	89.82	0.48	13,041.7	2,625.7	1,092.0	1.13	-1.01	-0.50	16.9	-14.1	
16,324.0	88.42	2.94	13,043.2	2,721.6	1,094.9	2.95	-1.46	2.56	18.0	-13.8	
16,420.0	92.11	1.71	13,042.8	2,817.6	1,098.8	4.05	3.84	-1.28	17.3	-14.3	
16,516.0	89.12	6.37	13,041.7	2,913.3	1,105.5	5.77	-3.11	4.85	15.9	-17.6	
16,612.0	87.98	12.78	13,044.2	3,007.9	1,121.5	6.78	-1.19	6.68	18.1	-30.1	
16,708.0	90.09	22.54	13,045.8	3,099.2	1,150.6	10.40	2.20	10.17	20.5	-55.6	
16,804.0	90.09	24.21	13,045.6	3,187.3	1,188.7	1.74	0.00	1.74	20.3	-90.6	
16,900.0	92.20	17.26	13,043.7	3,277.0	1,222.6	7.56	2.20	-7.24	18.4	-121.4	
16,996.0	90.35	6.63	13,041.6	3,370.8	1,242.5	11.24	-1.93	-11.07	14.3	-138.1	
17,092.0	90.35	356.61	13,041.0	3,466.6	1,245.2	10.44	0.00	-10.44	13.2	-137.4	
17,188.0	92.72	357.84	13,038.4	3,562.5	1,240.5	2.78	2.47	1.28	9.9	-129.3	
17,284.0	90.53	355.38	13,035.7	3,658.2	1,234.9	3.43	-2.28	-2.56	7.2	-120.2	
17,380.0	90.79	355.12	13,034.6	3,753.9	1,226.9	0.38	0.27	-0.27	5.7	-108.8	
17,476.0	87.80	354.06	13,035.8	3,849.5	1,217.9	3.30	-3.11	-1.10	7.3	-96.3	

Company:	Midland	Local Co-ordinate Reference:	Well #748H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3330.0usft
Site:	Dogwood 23 Fed Com	MD Reference:	KB = 26' @ 3330.0usft
Well:	#748H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	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)
17,572.0	88.07	352.57	13,039.2	3,944.7	1,206.7	1.58	0.28	-1.55	10.4	-81.7
17,667.0	91.23	352.39	13,039.8	4,038.9	1,194.3	3.33	3.33	-0.19	10.0	-66.0
17,763.0	91.85	356.08	13,037.2	4,134.4	1,184.6	3.90	0.65	3.84	7.0	-53.0
17,859.0	89.65	355.47	13,036.0	4,230.1	1,177.5	2.38	-2.29	-0.64	5.7	-42.5
17,955.0	88.77	355.64	13,037.3	4,325.8	1,170.1	0.93	-0.92	0.18	6.7	-31.6
18,051.0	91.05	355.47	13,037.5	4,421.5	1,162.7	2.38	2.37	-0.18	6.4	-21.3
18,147.0	93.34	355.03	13,033.8	4,517.1	1,154.7	2.43	2.39	-0.46	2.7	-13.6
18,243.0	93.96	356.61	13,027.7	4,612.6	1,147.7	1.76	0.65	1.65	-3.3	-7.3
18,339.0	92.55	358.46	13,022.2	4,708.4	1,143.6	2.42	-1.47	1.93	-8.7	-3.9
18,435.0	88.59	358.72	13,021.3	4,804.3	1,141.3	4.13	-4.12	0.27	-9.6	-2.3
18,531.0	87.10	357.14	13,024.9	4,900.2	1,137.8	2.26	-1.55	-1.65	-6.0	0.5
18,627.0	88.95	355.91	13,028.2	4,996.0	1,132.0	2.31	1.93	-1.28	-2.7	5.6
18,723.0	89.38	358.10	13,029.6	5,091.8	1,127.0	2.32	0.45	2.28	-1.2	9.9
18,819.0	87.80	355.64	13,031.9	5,187.6	1,121.7	3.04	-1.65	-2.56	1.1	14.5
18,915.0	90.53	1.09	13,033.3	5,283.5	1,119.0	6.35	2.84	5.68	2.6	16.5
19,011.0	90.00	0.48	13,032.9	5,379.5	1,120.3	0.84	-0.55	-0.64	2.2	14.5
19,107.0	89.38	356.08	13,033.4	5,475.5	1,117.4	4.63	-0.65	-4.58	2.7	16.7
19,202.0	91.23	351.51	13,032.9	5,569.9	1,107.2	5.19	1.95	-4.81	2.4	26.2
19,297.0	92.72	353.62	13,029.6	5,664.0	1,094.9	2.72	1.57	2.22	-0.8	37.8
19,393.0	90.09	356.79	13,027.3	5,759.6	1,086.9	4.29	-2.74	3.30	-3.3	45.1
19,489.0	89.82	0.04	13,027.4	5,855.6	1,084.2	3.40	-0.28	3.39	-3.2	47.1
19,585.0	91.85	357.75	13,026.0	5,951.5	1,082.4	3.19	2.11	-2.39	-4.5	48.2
19,681.0	90.09	354.76	13,024.3	6,047.3	1,076.1	3.61	-1.83	-3.11	-6.2	53.8
19,777.0	90.88	356.26	13,023.5	6,143.0	1,068.6	1.77	0.82	1.56	-6.9	60.6
19,872.0	90.62	1.71	13,022.3	6,237.9	1,066.9	5.74	-0.27	5.74	-8.2	61.6
19,968.0	89.38	2.23	13,022.3	6,333.9	1,070.2	1.40	-1.29	0.54	-8.1	57.6
20,064.0	87.36	1.09	13,025.0	6,429.8	1,073.0	2.42	-2.10	-1.19	-5.3	54.1



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #748H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3330.0usft
Site:	Dogwood 23 Fed Com	MD Reference:	KB = 26' @ 3330.0usft
Well:	#748H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	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)
20,160.0	88.15	1.27	13,028.8	6,525.7	1,074.9	0.84	0.82	0.19	-1.5	51.4
20,256.0	90.26	2.32	13,030.1	6,621.6	1,077.9	2.45	2.20	1.09	-0.2	47.7
20,448.0	90.53	2.15	13,028.8	6,813.5	1,085.4	0.17	0.14	-0.09	-1.4	38.8
20,544.0	90.44	0.92	13,028.0	6,909.4	1,088.0	1.28	-0.09	-1.28	-2.2	35.6
20,640.0	90.70	359.95	13,027.0	7,005.4	1,088.7	1.05	0.27	-1.01	-3.1	34.1
20,736.0	92.20	359.42	13,024.6	7,101.4	1,088.2	1.66	1.56	-0.55	-5.5	34.0
20,832.0	90.35	358.89	13,022.4	7,197.4	1,086.8	2.00	-1.93	-0.55	-7.6	34.7
20,928.0	91.41	358.54	13,021.0	7,293.3	1,084.6	1.16	1.10	-0.36	-9.1	36.1
21,044.0	91.49	0.48	13,018.0	7,409.3	1,083.6	1.67	0.07	1.67	-12.0	36.3
21,140.0	89.30	3.38	13,017.4	7,505.2	1,086.9	3.79	-2.28	3.02	-12.6	32.3
21,236.0	88.51	1.44	13,019.2	7,601.1	1,090.9	2.18	-0.82	-2.02	-10.7	27.6
21,331.0	89.47	2.14	13,020.9	7,696.0	1,093.9	1.25	1.01	0.74	-9.0	23.9
21,427.0	91.23	1.44	13,020.3	7,792.0	1,096.9	1.97	1.83	-0.73	-9.6	20.2
21,523.0	89.91	0.83	13,019.3	7,888.0	1,098.8	1.51	-1.37	-0.64	-10.5	17.6
21,619.0	91.49	1.79	13,018.2	7,983.9	1,101.0	1.93	1.65	1.00	-11.6	14.7
21,715.0	91.05	2.41	13,016.0	8,079.8	1,104.5	0.79	-0.46	0.65	-13.7	10.5
21,810.0	89.91	1.35	13,015.2	8,174.8	1,107.6	1.64	-1.20	-1.12	-14.5	6.7
21,906.0	88.33	0.65	13,016.7	8,270.7	1,109.3	1.80	-1.65	-0.73	-13.0	4.3
22,002.0	88.33	0.74	13,019.5	8,366.7	1,110.4	0.09	0.00	0.09	-10.1	2.4
22,098.0	89.65	0.56	13,021.2	8,462.7	1,111.5	1.39	1.37	-0.19	-8.4	0.6
22,194.0	90.09	0.74	13,021.4	8,558.7	1,112.6	0.50	0.46	0.19	-8.2	-1.1
22,290.0	90.18	2.59	13,021.2	8,654.6	1,115.4	1.93	0.09	1.93	-8.4	-4.6
22,385.0	88.42	3.03	13,022.4	8,749.5	1,120.1	1.91	-1.85	0.46	-7.2	-10.0
22,481.0	87.80	359.86	13,025.5	8,845.4	1,122.5	3.36	-0.65	-3.30	-4.0	-13.1
22,577.0	89.21	0.65	13,028.0	8,941.4	1,122.9	1.68	1.47	0.82	-1.4	-14.2
22,673.0	87.36	356.70	13,030.9	9,037.3	1,120.7	4.54	-1.93	-4.11	1.5	-12.7
22,769.0	88.51	357.49	13,034.4	9,133.1	1,115.8	1.45	1.20	0.82	5.0	-8.6

Company: Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Dogwood 23 Fed Com
 Well: #748H
 Wellbore: ST01
 Design: ST01

Local Co-ordinate Reference: Well #748H
 TVD Reference: KB = 26' @ 3330.0usft
 MD Reference: KB = 26' @ 3330.0usft
 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)	
22,865.0	90.26	358.89	13,035.4	9,229.0	1,112.8	2.33	1.82	1.46	6.0	-6.2	
22,961.0	91.76	358.81	13,033.7	9,325.0	1,110.9	1.56	1.56	-0.08	4.4	-5.0	
23,057.0	90.18	358.63	13,032.1	9,421.0	1,108.7	1.66	-1.65	-0.19	2.8	-3.6	
23,153.0	91.76	359.42	13,030.4	9,516.9	1,107.1	1.84	1.65	0.82	1.2	-2.7	
23,249.0	91.67	359.69	13,027.6	9,612.9	1,106.4	0.30	-0.09	0.28	-1.7	-2.6	
23,345.0	88.86	0.13	13,027.1	9,708.9	1,106.2	2.96	-2.93	0.46	-2.1	-3.2	
23,441.0	89.82	1.88	13,028.2	9,804.8	1,107.9	2.08	1.00	1.82	-0.9	-5.6	
23,535.0	91.67	3.90	13,027.0	9,898.7	1,112.6	2.91	1.97	2.15	-2.1	-11.0	
23,630.0	91.23	4.52	13,024.6	9,993.4	1,119.6	0.80	-0.46	0.65	-4.5	-18.6	
23,724.0	90.35	4.96	13,023.3	10,087.1	1,127.4	1.05	-0.94	0.47	-5.8	-27.1	
Last MWD Survey (MD=23724.0')											
23,894.8	90.35	4.96	13,022.3	10,257.2	1,142.1	0.00	0.00	0.00	-6.7	-43.1	
PBHL(Dogwood 23 Fed Com #748H)											
23,905.0	90.35	4.96	13,022.2	10,267.4	1,143.0	0.00	0.00	0.00	-6.9	-44.4	
Projection to Bit (MD=23905.0')											

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
12,551.0	12,386.0	-656.5	1,277.2	KOP, MD:12551.0', TVD:12386.0', N/S:-656.5', E/W:1277.2', INC:5.08	
13,393.4	13,019.3	-185.3	1,254.8	LL Crossing, MD:13393.4', TVD:13019.3', N/S:-185.3', E/W:1254.8', INC:77.75	
13,498.2	13,036.9	-85.8	1,227.3	FTP Crossing, MD:13498.2', TVD:13036.9', N/S:-85.8', E/W:1227.3', INC:82.64	
23,724.0	13,023.3	10,087.1	1,127.4	Last MWD Survey (MD=23724.0')	
23,905.0	13,022.2	10,267.4	1,143.0	Projection to Bit (MD=23905.0')	

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 #748H

ST01 Plan #1

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

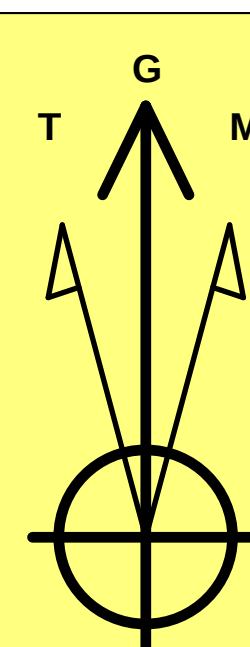
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #748H

KB = 26' @ 3330.0usft
Northing 372720.00 Easting 786055.00 Latitude 32° 1' 20.025 N Longitude 103° 32' 37.364 W

Azimuths to Grid North
True North: -0.42°
Magnetic North: 6.11°

Magnetic Field
Strength: 47388.6nT
Dip Angle: 59.72°
Date: 5/8/2021
Model: IGRF2020



To convert a Magnetic Direction to a Grid Direction, Add 6.11°
To convert a Magnetic Direction to a True Direction, Add 6.53° East
To convert a True Direction to a Grid Direction, Subtract 0.42°

SECTION DETAILS

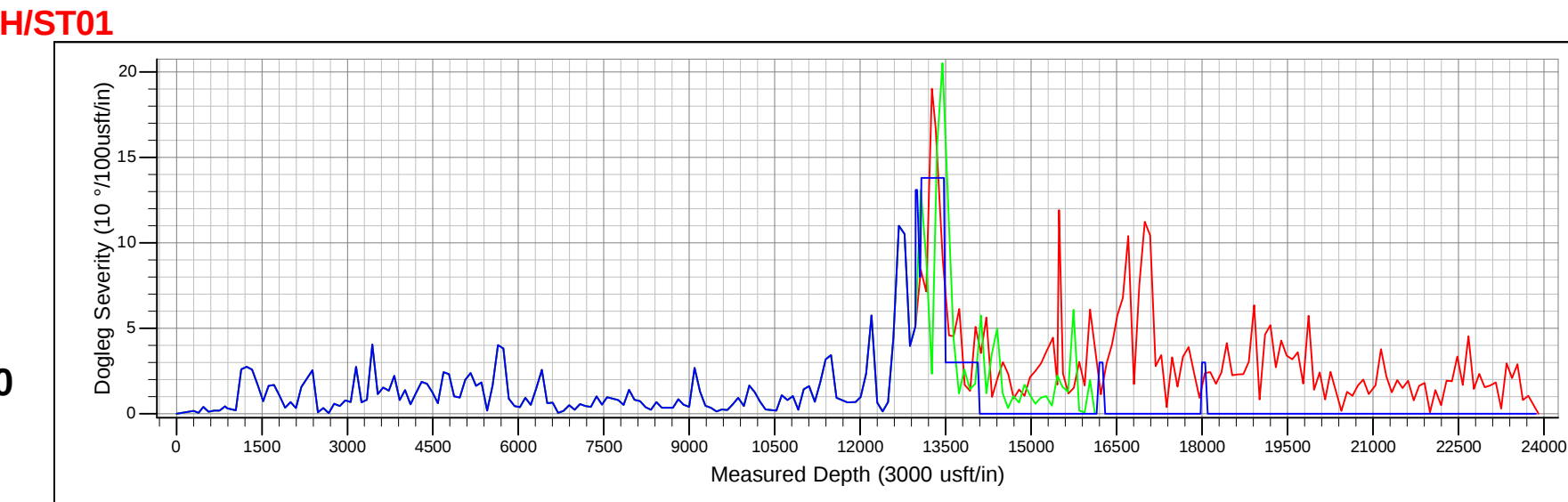
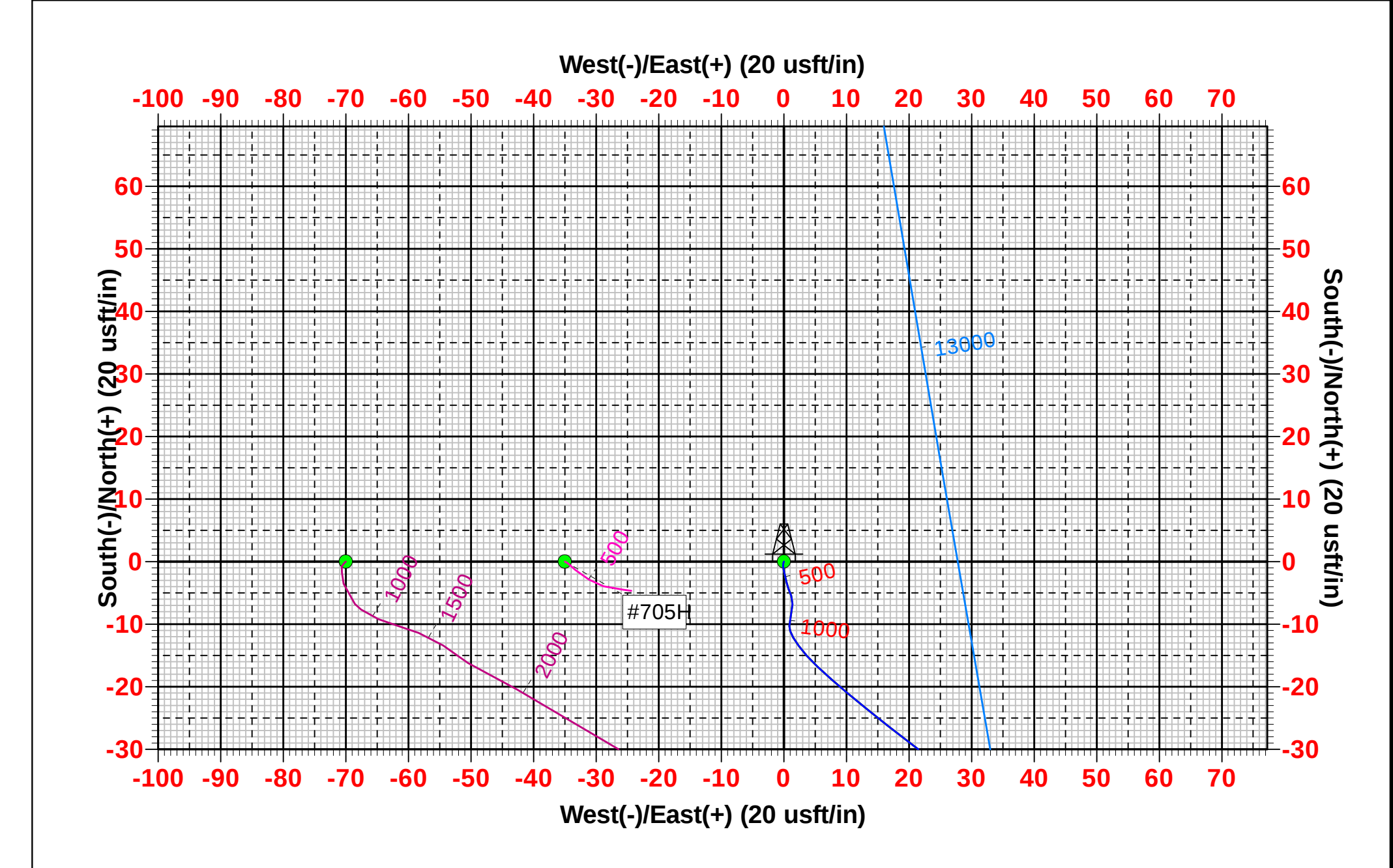
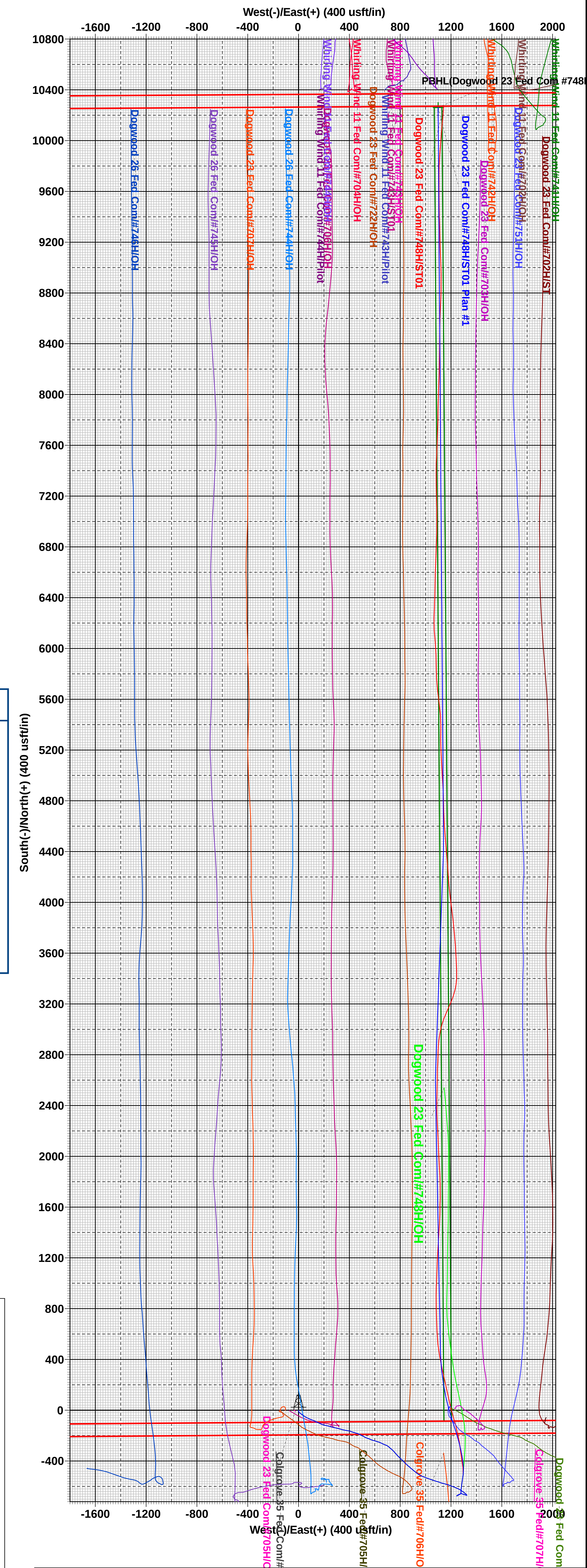
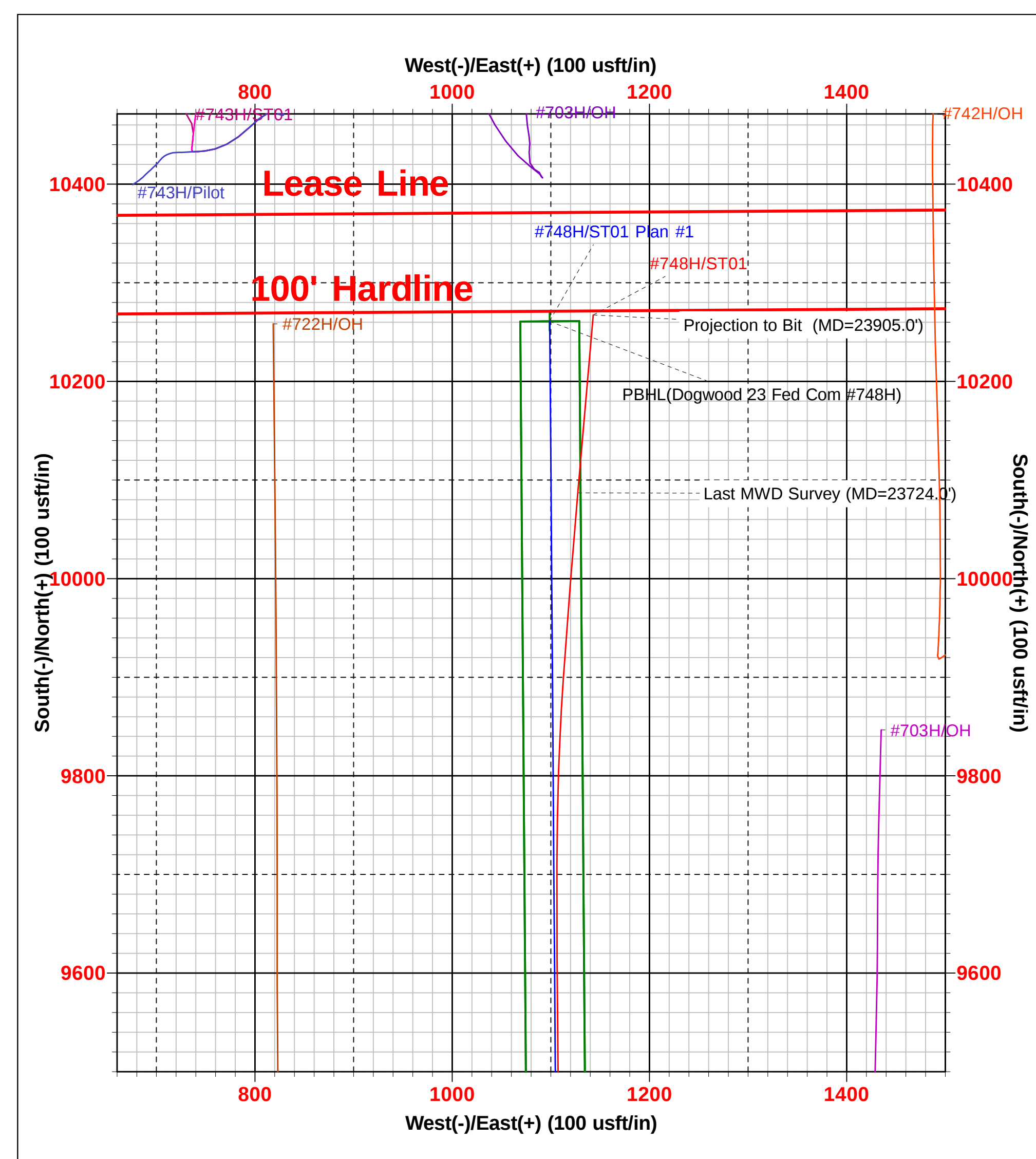
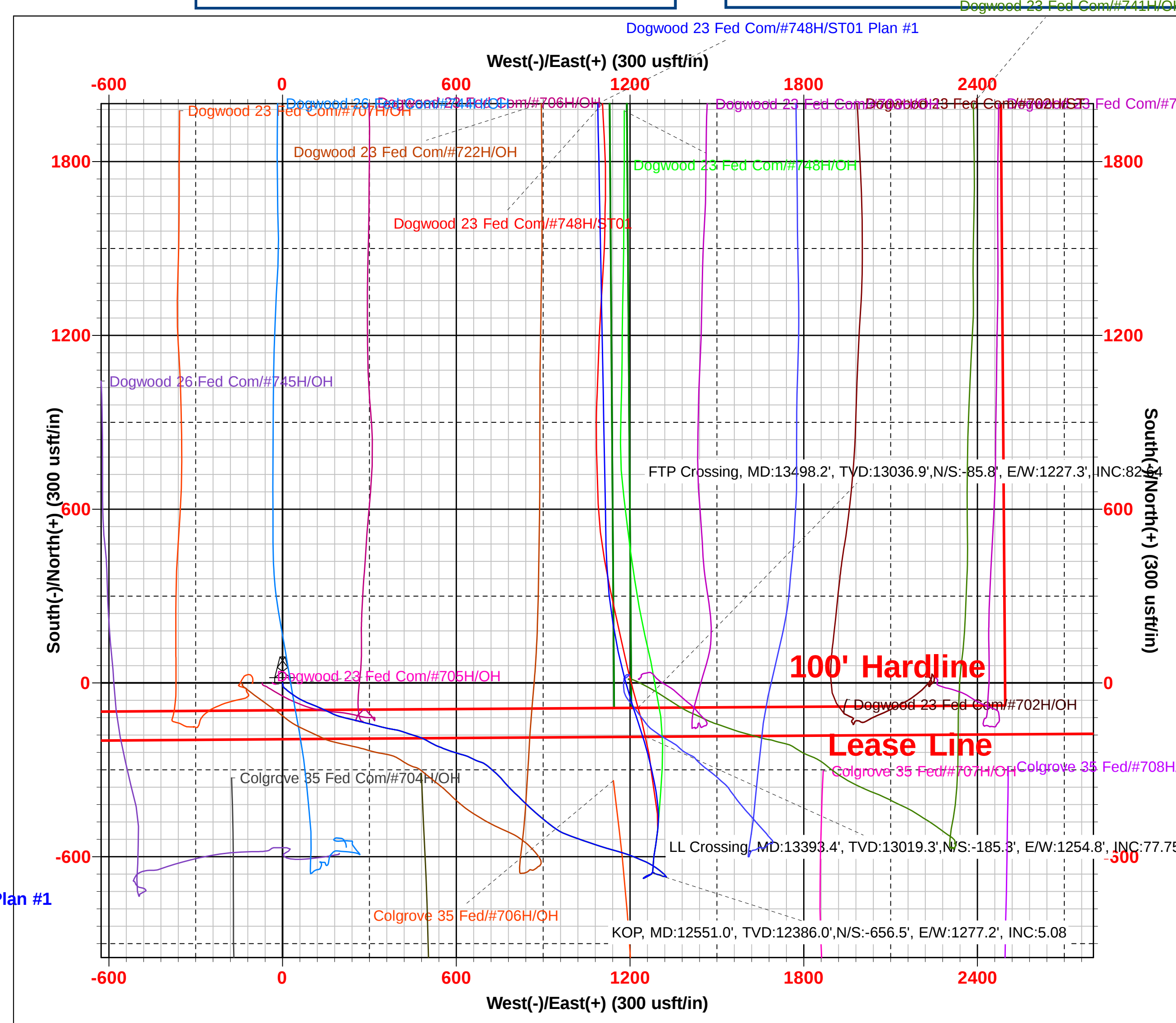
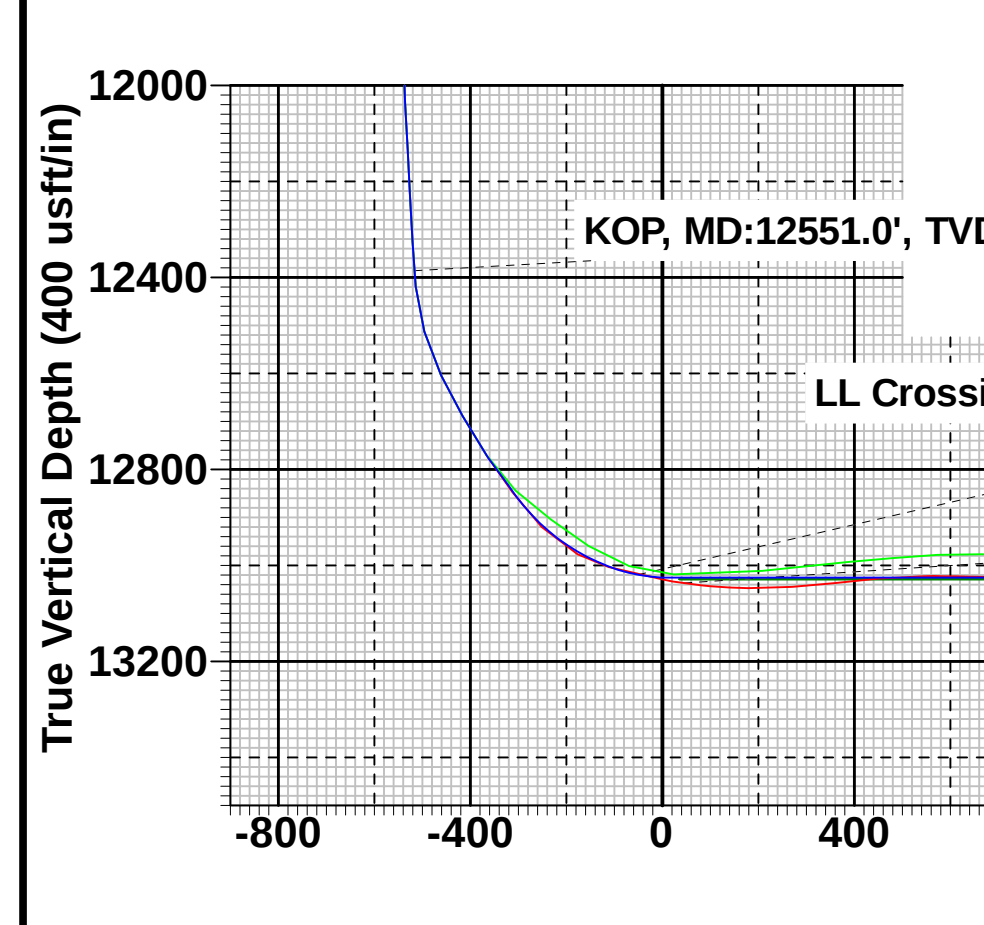
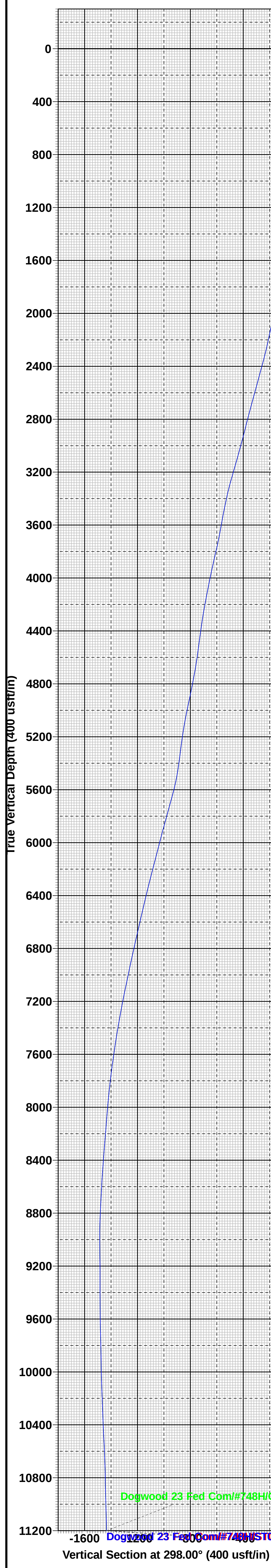
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
12969.0	33.49	5.05	12770.4	-507.4	1295.7	0.00	0.00	-366.5	
13000.0	37.55	4.75	12795.6	-489.5	1297.3	13.11	-2.58	-348.5	
13058.0	35.06	358.13	12842.4	-455.2	1298.2	8.00	235.00	-314.4	
13469.0	90.02	341.00	13025.8	-114.6	1221.0	13.80	-20.63	16.1	
14066.3	90.02	358.92	13025.5	471.2	1117.3	3.00	90.00	587.5	
16151.5	90.02	358.92	13024.8	2556.0	1078.0	0.00	0.00	2656.3	
16256.1	89.80	2.05	13025.0	2660.5	1078.9	3.00	93.99	2760.3	
17975.2	89.80	2.05	13030.9	4378.6	1140.3	0.00	0.00	4475.1	
18057.8	90.02	359.58	13031.0	4461.2	1141.5	3.00	-84.96	4557.3	
23857.8	90.02	359.58	13029.0	10261.0	1099.0	0.00	0.00	10319.7	PBHL(Dogwood 23 Fed Com #748H)

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 #748H)	13029.0	10261.0	1099.0	382981.00	787154.00



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

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: 748H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____										
8. Name of Operator						9. OGRID				
EOG RESOURCES INC						7377				
10. Address of Operator						11. Pool name or Wildcat				
PO BOX 2267 MIDLAND, TEXAS 79702						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:	N	23	26S	33E		194	SOUTH	2457	WEST	LEA
BH:	B	14	26S	33E		101	NORTH	1607	EAST	LEA
13. Date Spudded	14. Date T.D. Reached		15. Date Rig Released			16. Date Completed (Ready to Produce)		17. Elevations (DF and RKB, RT, GR, etc.)		
04/01/2021	05/26/2021		05/30/2021			07/12/2021		3304' GR		
18. Total Measured Depth of Well			19. Plug Back Measured Depth			20. Was Directional Survey Made?		21. Type Electric and Other Logs Run		
MD 23,905' TVD 13,022'			MD 23,880' TVD 13,022'			YES		None		
22. Producing Interval(s), of this completion - Top, Bottom, Name										
WOLFCAMP 13,543 - 23,880'										
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		957'		12 1/4"		475 CL C/CIRC		
7 5/8"		29.7# ECP 110		11,976'		8 3/4"		1775 CL C & H/ CIRC		
5 1/2"		20# HCP 110		23,890'		6 3/4"		1135 CL H TOC 11,644' 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)						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
13,543 - 23,880' 3 1/8", 2801 holes						DEPTH INTERVAL				
						AMOUNT AND KIND MATERIAL USED				
						13,543 - 23,880' FRAC W/25,421,760 lbs proppant, 451,959 bbls load fld				
PRODUCTION										
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)				
07/12/2021		Flowing				Producing				
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio			
07/16/2021	24			1506	3358	8933	2230			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)				
	1739					45				
29. Disposition of Gas (Sold, used for fuel, vented, etc.)								30. Test Witnessed By		
SOLD										
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			Name			Title			Date	
Kay Maddox			Kay Maddox			Senior Regulatory Specialist			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	836'	T. Canyon	Brushy	7741'	T. Ojo Alamo	T. Penn A"
T. Salt		1205'	T. Strawn			T. Kirtland	T. Penn. "B"
B. Salt		4952'	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	10,239'		T. Entrada	
T. Wolfcamp	12,314'		T. 2nd BS Sand	10,825'		T. Wingate	
T. Penn			T. 3rd BS Sand	11,896'		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

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 36968

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 36968
	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

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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 36968

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 36968
	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