

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 4/16/2022	
⁴ API Number 30 - 025- 49632	⁵ Pool Name RED HILLS; BONE SPRING NORTH		⁶ Pool Code 96434
⁷ Property Code 327233	⁸ Property Name YUKON 20 FED COM		⁹ Well Number 506H

II. ¹⁰ Surface Location

Ul or lot no. B	Section 20	Township 24S	Range 34E	Lot Idn	Feet from the 555'	North/South Line NORTH	Feet from the 2469'	East/West line EAST	County LEA
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¹¹ Bottom Hole Location

UL or lot no. N	Section 29	Township 24S	Range 34E	Lot Idn	Feet from the 109'	North/South line SOUTH	Feet from the 2245'	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 1/3/2022	²² Ready Date 4/16/2022	²³ TD 21,190'	²⁴ PBTD 21,165'	²⁵ Perforations 11,104'-21,165'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
16"		13 3/8"		1335'	710 SXS CL C/CIRC
12 1/4"		9 5/8"		5237'	1335 SXS CL C/CIRC
8 3/4"		5 1/2"		21,173'	3175 SXS CL H/CIRC

V. Well Test Data

³¹ Date New Oil 4/16/2022	³² Gas Delivery Date 4/16/2022	³³ Test Date 4/25/2022	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 713
³⁷ Choke Size 70	³⁸ Oil 3381	³⁹ Water 6188	⁴⁰ Gas 4100		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: <i>Kristina Agee</i>			OIL CONSERVATION DIVISION Approved by: Title: Approval Date: 		
Printed name: Kristina Agee					
Title: REGULATORY SPECIALIST					
E-mail Address: kristina_agee@eogresources.com					
Date: 6/29/2022		Phone: 432-686-6996			

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 30-025-49632	² Pool Code 96434	³ Pool Name RED HILLS; BONE SPRING ; NORTH
⁴ Property Code 327233	⁵ Property Name YUKON 20 FED COM	⁶ Well Number 506H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3535'

¹⁰Surface Location

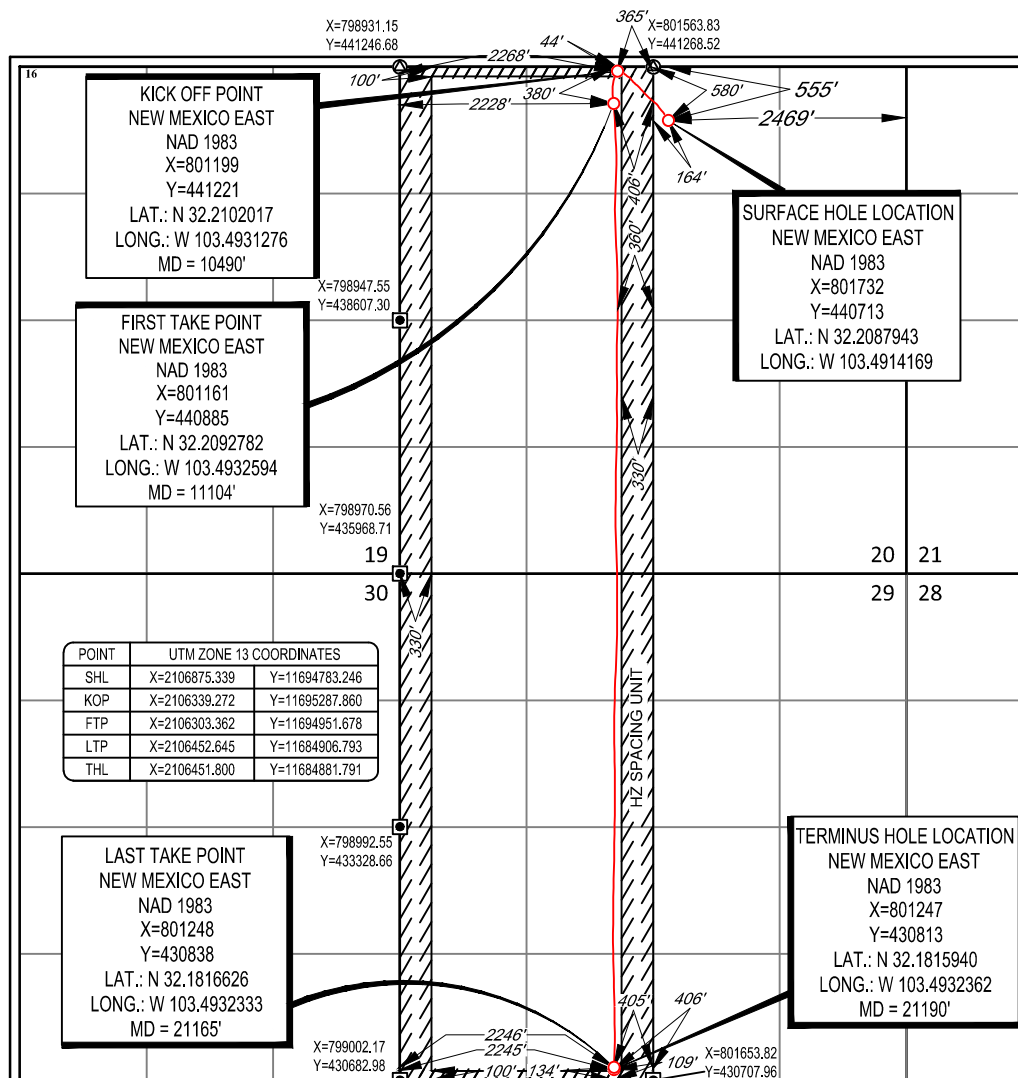
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	20	24-S	34-E	-	555'	NORTH	2469'	EAST	LEA

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	29	24-S	34-E	-	109'	SOUTH	2245'	WEST	LEA

¹² Dedicated Acres 640.00	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.

¹⁷OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Kristina Agee 5/5/2022
Signature Date

Kristina Agee

Printed Name

kristina_agee@eogresources.com

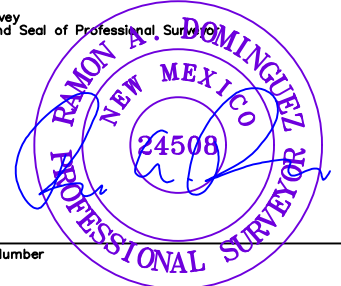
E-mail Address

¹⁸SURVEYOR CERTIFICATION

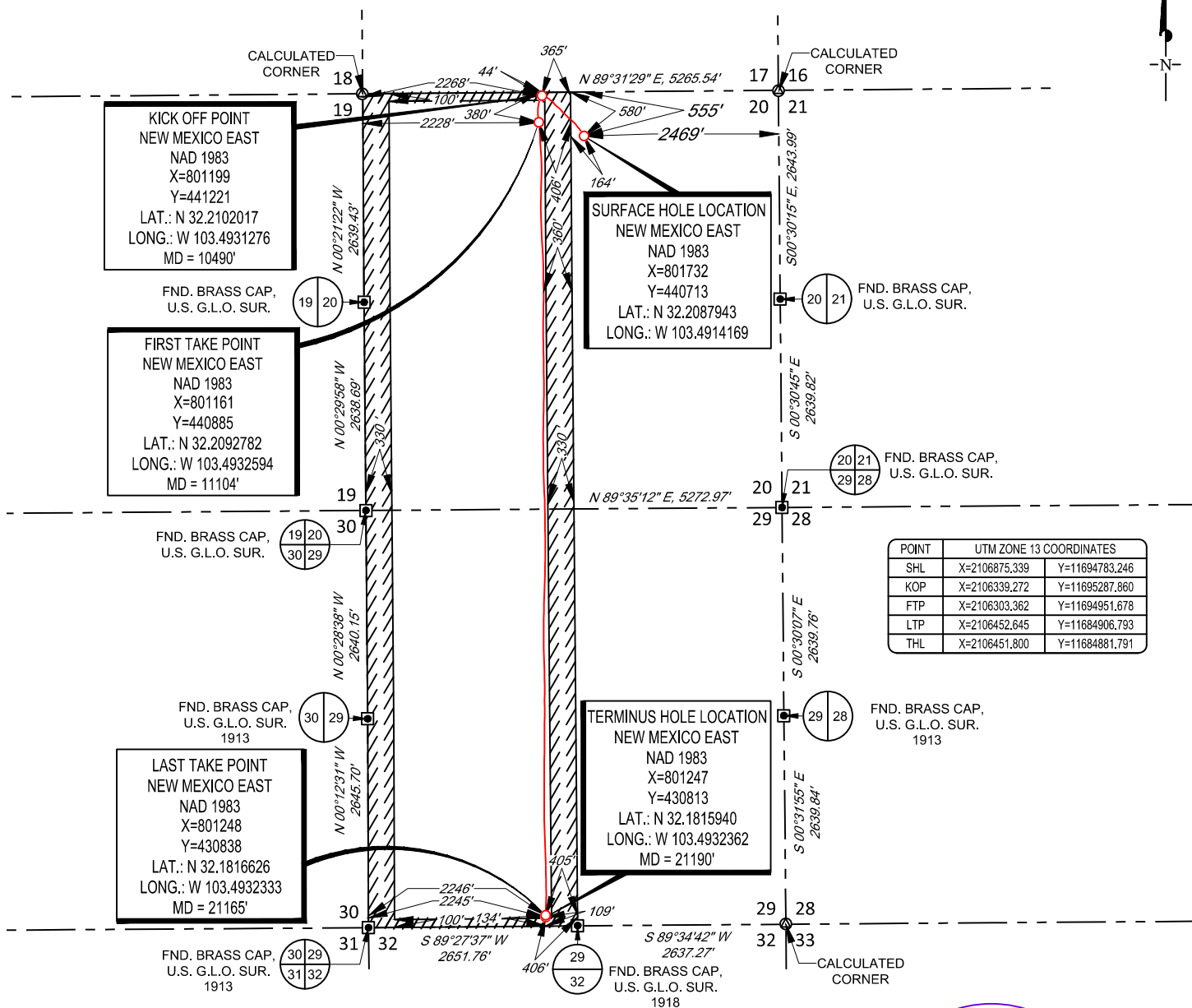
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

12/20/2021

Date of Survey
Signature and Seal of Professional Surveyor



Certificate Number

SECTION 20, TOWNSHIP 24-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICOSCALE: 1" = 2000'
0' 1000' 2000'

LEASE NAME & WELL NO.: YUKON 20 FED COM 506H
 SECTION 20 TWP 24-S RGE 34-E SURVEY N.M.P.M.
 COUNTY LEA STATE NM ELEVATION 3535'
 DESCRIPTION 555' FNL & 2469' FEL



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
 March 11, 2022



YUKON 20 FED COM 506H
 AS-DRILLED

REVISION:

NOTES:

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

DATE: 03/11/2022

FILE:AD_YUKON_20_FED_COM_506H

DRAWN BY: MML

SHEET: 2 OF 2



Midland

Lea County, NM (NAD 83 NME)

Yukon 20 Fed Com

#506H

OH

Design: OH

Final PVA

26 January, 2022



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #506H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3560.0usft
Site:	Yukon 20 Fed Com	MD Reference:	KB = 25' @ 3560.0usft
Well:	#506H	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	Yukon 20 Fed Com		
Site Position:		Northing:	440,613.00 usft
From:	Map	Easting:	802,407.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 12' 30.615 N
		Longitude:	103° 29' 21.259 W
		Grid Convergence:	0.45 °

Well		#506H				
Well Position	+N/-S	0.0 usft	Northing:	440,713.00 usft	Latitude:	32° 12' 31.657 N
	+E/-W	0.0 usft	Easting:	801,732.00 usft	Longitude:	103° 29' 29.106 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,535.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	1/1/2022	6.44	59.88	47,435.29830978

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	182.75

Survey Program	Date	1/26/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
199.0	21,190.0	Gordon MWD (OH)	EOG MWD+IFR1	MWD + IFR1



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Well:	#506H	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	
199.0	0.66	22.63	199.0	1.1	0.4	0.33	0.33	0.00	-1.1	0.0	
307.0	0.56	42.27	307.0	2.0	1.0	0.21	-0.09	18.19	-2.2	0.6	
397.0	0.95	19.58	397.0	3.1	1.6	0.54	0.43	-25.21	-3.4	-0.5	
485.0	0.95	13.04	485.0	4.4	2.0	0.12	0.00	-7.43	-4.8	-0.9	
575.0	0.93	353.70	575.0	5.9	2.1	0.35	-0.02	-21.49	-5.6	-2.7	
665.0	0.67	336.22	664.9	7.1	1.8	0.39	-0.29	-19.42	-5.8	-4.5	
764.0	0.81	341.69	763.9	8.3	1.3	0.16	0.14	5.53	-7.5	-3.9	
859.0	0.62	313.16	858.9	9.3	0.7	0.42	-0.20	-30.03	-5.8	-7.3	
954.0	1.00	328.90	953.9	10.4	-0.1	0.46	0.40	16.57	-8.9	-5.3	
1,048.0	0.92	326.90	1,047.9	11.7	-0.9	0.09	-0.09	-2.13	-10.3	-5.6	
1,142.0	0.91	320.56	1,141.9	12.9	-1.8	0.11	-0.01	-6.74	-11.1	-6.8	
1,237.0	0.62	299.65	1,236.9	13.7	-2.7	0.42	-0.31	-22.01	-9.1	-10.6	
1,423.0	1.00	337.32	1,422.9	15.7	-4.2	0.34	0.20	20.25	-16.0	-2.2	
1,517.0	2.90	323.61	1,516.8	18.4	-5.9	2.07	2.02	-14.59	-16.0	-6.5	
1,612.0	5.43	323.48	1,611.6	23.9	-10.0	2.66	2.66	-0.14	-17.4	-7.3	
1,706.0	7.75	321.40	1,704.9	32.5	-16.6	2.48	2.47	-2.21	-19.5	-9.1	
1,800.0	9.86	321.74	1,797.8	43.8	-25.6	2.25	2.24	0.36	-22.4	-10.3	
1,895.0	11.30	323.27	1,891.2	57.6	-36.2	1.54	1.52	1.61	-25.4	-11.6	
1,989.0	10.97	323.41	1,983.4	72.2	-47.0	0.35	-0.35	0.15	-27.5	-13.9	
2,084.0	10.94	323.71	2,076.7	86.7	-57.7	0.07	-0.03	0.32	-29.3	-16.2	
2,178.0	12.05	322.41	2,168.8	101.6	-69.0	1.21	1.18	-1.38	-31.5	-19.2	
2,272.0	12.73	319.54	2,260.6	117.3	-81.7	0.98	0.72	-3.05	-34.4	-22.5	
2,367.0	12.67	321.43	2,353.3	133.4	-95.0	0.44	-0.06	1.99	-39.7	-22.8	
2,461.0	12.45	322.47	2,445.0	149.5	-107.6	0.34	-0.23	1.11	-44.4	-24.0	
2,555.0	12.68	314.66	2,536.8	164.8	-121.1	1.82	0.24	-8.31	-44.8	-31.0	
2,650.0	13.22	309.67	2,629.4	179.1	-136.9	1.31	0.57	-5.25	-46.9	-34.1	



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #506H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3560.0usft
Site:	Yukon 20 Fed Com	MD Reference:	KB = 25' @ 3560.0usft
Well:	#506H	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)
2,744.0	13.04	310.76	2,720.9	192.8	-153.2	0.33	-0.19	1.16	-52.7	-31.8
2,839.0	12.93	311.62	2,813.5	206.9	-169.3	0.23	-0.12	0.91	-58.1	-29.9
2,933.0	12.54	311.33	2,905.2	220.6	-184.8	0.42	-0.41	-0.31	-62.5	-29.1
3,027.0	12.10	312.13	2,997.0	234.0	-199.8	0.50	-0.47	0.85	-66.7	-27.3
3,122.0	11.76	313.29	3,090.0	247.3	-214.2	0.44	-0.36	1.22	-70.4	-25.2
3,311.0	11.06	315.48	3,275.2	273.4	-240.9	0.44	-0.37	1.16	-75.9	-22.1
3,405.0	10.83	316.28	3,367.5	286.2	-253.3	0.29	-0.24	0.85	-77.7	-21.3
3,500.0	10.45	316.86	3,460.9	299.0	-265.4	0.42	-0.40	0.61	-78.9	-20.9
3,594.0	9.81	316.42	3,553.4	311.0	-276.7	0.69	-0.68	-0.47	-79.0	-22.0
3,689.0	9.42	317.38	3,647.1	322.6	-287.6	0.44	-0.41	1.01	-78.7	-21.2
3,783.0	9.12	316.53	3,739.9	333.6	-297.9	0.35	-0.32	-0.90	-77.1	-22.9
3,877.0	7.91	317.76	3,832.8	343.8	-307.4	1.30	-1.29	1.31	-75.2	-21.9
4,066.0	7.29	310.86	4,020.2	361.3	-325.2	0.58	-0.33	-3.65	-64.1	-29.8
4,160.0	7.64	305.48	4,113.4	368.8	-334.8	0.83	0.37	-5.72	-57.1	-33.4
4,255.0	7.23	308.05	4,207.6	376.2	-344.7	0.56	-0.43	2.71	-54.3	-28.6
4,349.0	6.72	308.50	4,300.9	383.3	-353.6	0.55	-0.54	0.48	-49.6	-26.2
4,444.0	6.30	313.82	4,395.3	390.3	-361.7	0.77	-0.44	5.60	-46.0	-20.7
4,539.0	4.79	318.12	4,489.8	396.9	-368.1	1.65	-1.59	4.53	-40.0	-17.8
4,633.0	3.07	323.23	4,583.6	401.8	-372.3	1.87	-1.83	5.44	-31.6	-16.2
4,727.0	5.23	316.50	4,677.3	407.0	-376.7	2.35	2.30	-7.16	-19.9	-20.4
4,822.0	6.00	319.23	4,771.9	413.9	-383.0	0.86	0.81	2.87	-13.6	-20.4
4,916.0	3.53	323.14	4,865.6	419.9	-387.9	2.65	-2.63	4.16	-6.5	-21.4
5,010.0	3.73	325.03	4,959.4	424.7	-391.4	0.25	0.21	2.01	2.9	-23.9
5,105.0	3.13	327.38	5,054.2	429.4	-394.6	0.65	-0.63	2.47	12.4	-27.4
5,302.0	2.66	320.47	5,250.9	437.5	-400.4	0.30	-0.24	-3.51	39.9	-29.7
5,396.0	3.84	305.92	5,344.8	441.0	-404.3	1.52	1.26	-15.48	57.0	-16.7
5,491.0	4.44	303.61	5,439.5	444.9	-409.9	0.66	0.63	-2.43	67.0	-11.3



Final PVA

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Well:	#506H	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)	
5,585.0	4.24	299.73	5,533.3	448.7	-416.0	0.38	-0.21	-4.13	74.3	-3.1	
5,679.0	3.87	295.28	5,627.0	451.7	-421.9	0.52	-0.39	-4.73	78.2	6.2	
5,773.0	3.94	298.02	5,720.8	454.6	-427.6	0.21	0.07	2.91	79.6	5.0	
5,867.0	5.12	309.30	5,814.5	458.8	-433.7	1.57	1.26	12.00	76.4	-9.5	
5,961.0	5.50	309.92	5,908.1	464.3	-440.4	0.41	0.40	0.66	69.2	-10.2	
6,056.0	5.32	308.67	6,002.7	470.0	-447.3	0.23	-0.19	-1.32	60.5	-8.8	
6,150.0	4.90	310.87	6,096.3	475.4	-453.8	0.49	-0.45	2.34	51.7	-10.9	
6,245.0	4.60	310.72	6,191.0	480.5	-459.7	0.32	-0.32	-0.16	43.9	-10.8	
6,339.0	4.70	308.70	6,284.7	485.4	-465.6	0.20	0.11	-2.15	36.6	-9.3	
6,434.0	4.34	307.94	6,379.4	490.0	-471.4	0.38	-0.38	-0.80	29.3	-8.9	
6,528.0	4.35	309.82	6,473.1	494.5	-477.0	0.15	0.01	2.00	21.8	-9.7	
6,622.0	4.47	307.02	6,566.9	499.0	-482.7	0.26	0.13	-2.98	15.1	-8.8	
6,811.0	1.43	351.11	6,755.6	505.7	-488.9	1.90	-1.61	23.33	-3.0	-11.7	
6,905.0	1.57	342.42	6,849.6	508.1	-489.5	0.28	0.15	-9.24	-3.6	-12.2	
7,000.0	1.63	339.75	6,944.5	510.6	-490.3	0.10	0.06	-2.81	-5.7	-12.4	
7,094.0	1.79	340.05	7,038.5	513.3	-491.3	0.17	0.17	0.32	-8.5	-12.4	
7,188.0	1.47	343.82	7,132.4	515.8	-492.1	0.36	-0.34	4.01	-12.0	-11.7	
7,283.0	1.70	341.68	7,227.4	518.3	-492.9	0.25	0.24	-2.25	-14.2	-12.2	
7,377.0	1.63	344.53	7,321.4	520.9	-493.7	0.12	-0.07	3.03	-17.5	-11.4	
7,472.0	1.50	333.04	7,416.3	523.3	-494.6	0.36	-0.14	-12.09	-17.5	-14.9	
7,566.0	1.58	326.49	7,510.3	525.5	-495.9	0.21	0.09	-6.97	-18.2	-16.9	
7,660.0	1.02	334.98	7,604.3	527.3	-497.0	0.63	-0.60	9.03	-22.6	-13.9	
7,754.0	0.87	316.16	7,698.3	528.6	-497.8	0.36	-0.16	-20.02	-18.4	-20.7	
7,849.0	0.82	315.32	7,793.3	529.6	-498.8	0.05	-0.05	-0.88	-19.5	-21.0	
7,943.0	0.60	302.20	7,887.2	530.4	-499.7	0.29	-0.23	-13.96	-15.4	-25.0	
8,038.0	0.66	294.51	7,982.2	530.9	-500.6	0.11	0.06	-8.09	-12.9	-26.9	
8,133.0	0.93	302.05	8,077.2	531.5	-501.8	0.30	0.28	7.94	-17.7	-24.9	



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #506H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3560.0usft
Site:	Yukon 20 Fed Com	MD Reference:	KB = 25' @ 3560.0usft
Well:	#506H	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)
8,229.0	0.98	270.53	8,173.2	531.9	-503.2	0.54	0.05	-32.83	-3.5	-30.9
8,325.0	1.09	278.74	8,269.2	532.1	-505.0	0.19	0.11	8.55	-9.6	-29.9
8,420.0	0.86	274.78	8,364.2	532.3	-506.6	0.25	-0.24	-4.17	-9.1	-30.6
8,516.0	1.00	276.38	8,460.2	532.4	-508.1	0.15	0.15	1.67	-11.6	-30.3
8,611.0	0.91	312.34	8,555.2	533.0	-509.5	0.63	-0.09	37.85	-28.6	-17.3
8,706.0	1.25	310.24	8,650.1	534.2	-510.8	0.36	0.36	-2.21	-29.7	-18.3
8,802.0	1.36	304.62	8,746.1	535.5	-512.6	0.18	0.11	-5.85	-30.0	-21.2
8,897.0	1.54	321.15	8,841.1	537.1	-514.3	0.48	0.19	17.40	-37.1	-11.5
8,993.0	1.91	320.95	8,937.1	539.4	-516.1	0.39	0.39	-0.21	-40.0	-11.7
9,087.0	0.71	314.40	9,031.0	541.0	-517.5	1.28	-1.28	-6.97	-40.5	-16.3
9,181.0	0.13	193.41	9,125.0	541.3	-518.0	0.83	-0.62	-128.71	35.0	-26.8
9,276.0	0.91	359.64	9,220.0	542.0	-518.0	1.09	0.82	174.98	-41.1	17.7
9,370.0	1.13	120.99	9,314.0	542.2	-517.2	1.90	0.23	129.10	36.0	26.5
9,465.0	1.07	117.71	9,409.0	541.3	-515.6	0.09	-0.06	-3.45	32.6	28.4
9,559.0	0.63	2.03	9,503.0	541.4	-514.8	1.55	-0.47	-123.06	-39.9	16.3
9,711.0	1.07	287.59	9,655.0	542.7	-516.2	0.71	0.29	-48.97	-28.0	-34.9
9,748.0	1.50	293.18	9,692.0	543.0	-516.9	1.21	1.16	15.11	-32.1	-32.0
9,843.0	0.77	270.42	9,786.9	543.5	-518.7	0.89	-0.77	-23.96	-19.0	-42.4
9,937.0	0.46	199.76	9,880.9	543.2	-519.5	0.80	-0.33	-75.17	33.1	-32.6
10,031.0	1.06	267.19	9,974.9	542.8	-520.5	1.04	0.64	71.73	-18.4	-42.7
10,149.0	5.29	198.29	10,092.7	537.5	-523.3	4.24	3.58	-58.39	27.3	-33.6
10,244.0	6.19	200.38	10,187.3	528.6	-526.4	0.97	0.95	2.20	16.6	-34.4
10,338.0	5.61	199.45	10,280.8	519.5	-529.7	0.63	-0.62	-0.99	7.5	-34.2
10,432.0	4.01	195.93	10,374.4	512.0	-532.2	1.73	-1.70	-3.74	1.8	-34.0
10,490.0	4.36	190.77	10,432.3	507.9	-533.1	0.89	0.60	-8.90	4.5	-34.3
KOP, MD:10490.0', TVD:10432.3', N/S:507.9', E/W:-533.1', INC:4.36										
10,527.0	4.60	187.90	10,469.2	505.0	-533.6	0.89	0.65	-7.75	8.8	-34.5



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #506H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3560.0usft
Site:	Yukon 20 Fed Com	MD Reference:	KB = 25' @ 3560.0usft
Well:	#506H	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)
10,621.0	12.44	210.64	10,562.1	492.6	-539.3	8.92	8.34	24.19	3.3	-44.6
10,715.0	29.74	204.54	10,649.5	462.4	-554.2	18.53	18.40	-6.49	12.4	-58.0
10,739.9	32.89	201.55	10,670.7	450.5	-559.3	14.10	12.65	-12.00	14.2	-61.3
FTP Crossing, MD:10739.9', TVD:10670.7', N/S:450.5', E/W:-559.3', INC:32.89										
10,810.0	42.03	195.34	10,726.3	410.1	-572.5	14.10	13.04	-8.86	16.0	-69.3
10,903.0	49.86	182.75	10,791.1	344.3	-582.5	12.84	8.42	-13.54	20.4	-71.4
10,997.0	59.94	176.34	10,845.1	267.6	-581.6	12.08	10.72	-6.82	17.1	-64.5
11,092.0	65.26	171.48	10,888.8	183.8	-572.6	7.21	5.60	-5.12	13.5	-49.7
11,186.0	73.37	175.93	10,922.0	96.4	-563.1	9.70	8.63	4.73	10.1	-34.9
11,280.0	84.51	176.16	10,940.0	4.6	-556.7	11.85	11.85	0.24	7.7	-22.6
11,375.0	88.42	177.25	10,945.9	-90.1	-551.3	4.27	4.12	1.15	7.5	-11.4
11,469.0	89.73	176.85	10,947.4	-183.9	-546.4	1.46	1.39	-0.43	5.6	-5.6
11,563.0	89.99	176.48	10,947.6	-277.8	-540.9	0.48	0.28	-0.39	2.5	-0.8
11,657.0	90.18	178.51	10,947.5	-371.7	-536.8	2.17	0.20	2.16	-1.1	2.7
11,751.0	90.10	180.77	10,947.3	-465.7	-536.2	2.41	-0.09	2.40	-4.7	2.7
11,845.0	88.72	182.26	10,948.2	-559.6	-538.7	2.16	-1.47	1.59	-7.1	-0.4
11,939.0	86.59	181.48	10,952.1	-653.5	-541.8	2.41	-2.27	-0.83	-6.6	-4.1
12,033.0	86.40	181.33	10,957.8	-747.3	-544.1	0.26	-0.20	-0.16	-4.2	-7.0
12,127.0	85.66	181.22	10,964.3	-841.0	-546.2	0.80	-0.79	-0.12	-0.8	-9.7
12,221.0	87.55	179.27	10,969.9	-934.9	-546.6	2.89	2.01	-2.07	2.5	-10.8
12,316.0	87.97	178.15	10,973.6	-1,029.8	-544.4	1.26	0.44	-1.18	4.0	-9.3
12,411.0	88.56	177.77	10,976.5	-1,124.7	-541.1	0.74	0.62	-0.40	4.6	-6.5
12,599.0	87.63	176.44	10,982.7	-1,312.3	-531.6	0.86	-0.49	-0.71	6.3	1.7
12,694.0	87.74	175.10	10,986.6	-1,407.0	-524.6	1.41	0.12	-1.41	7.9	8.1
12,788.0	87.13	177.30	10,990.8	-1,500.7	-518.4	2.43	-0.65	2.34	9.8	13.7
12,882.0	87.04	178.87	10,995.6	-1,594.5	-515.2	1.67	-0.10	1.67	12.3	16.2
12,977.0	89.26	179.56	10,998.6	-1,689.4	-513.9	2.45	2.34	0.73	13.1	16.9



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #506H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3560.0usft
Site:	Yukon 20 Fed Com	MD Reference:	KB = 25' @ 3560.0usft
Well:	#506H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	PEDM

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
13,071.0	88.98	179.12	11,000.1	-1,783.4	-512.8	0.55	-0.30	-0.47	12.3	17.3
13,166.0	88.92	179.16	11,001.8	-1,878.4	-511.4	0.08	-0.06	0.04	11.8	18.1
13,260.0	88.87	178.83	11,003.6	-1,972.4	-509.8	0.36	-0.05	-0.35	11.4	19.1
13,355.0	88.47	180.84	11,005.8	-2,067.3	-509.5	2.16	-0.42	2.12	11.3	18.8
13,449.0	89.00	181.75	11,007.9	-2,161.3	-511.6	1.12	0.56	0.97	11.1	16.0
13,543.0	88.67	181.08	11,009.8	-2,255.2	-513.9	0.79	-0.35	-0.71	10.8	13.1
13,637.0	88.44	180.27	11,012.2	-2,349.2	-515.0	0.90	-0.24	-0.86	10.9	11.3
13,731.0	89.12	179.96	11,014.2	-2,443.2	-515.2	0.79	0.72	-0.33	10.6	10.5
13,825.0	89.12	179.57	11,015.6	-2,537.2	-514.8	0.41	0.00	-0.41	9.8	10.3
13,919.0	89.15	179.02	11,017.1	-2,631.1	-513.7	0.59	0.03	-0.59	9.0	10.8
14,014.0	89.40	178.31	11,018.3	-2,726.1	-511.5	0.79	0.26	-0.75	7.9	12.4
14,108.0	87.52	180.27	11,020.8	-2,820.1	-510.3	2.89	-2.00	2.09	8.2	12.9
14,202.0	87.02	179.97	11,025.3	-2,913.9	-510.5	0.62	-0.53	-0.32	10.4	12.1
14,296.0	86.87	179.23	11,030.3	-3,007.8	-509.8	0.80	-0.16	-0.79	13.2	12.2
14,390.0	86.73	178.22	11,035.5	-3,101.6	-507.8	1.08	-0.15	-1.07	16.1	13.6
14,484.0	87.87	179.93	11,039.9	-3,195.5	-506.2	2.18	1.21	1.82	18.3	14.5
14,578.0	88.22	181.20	11,043.1	-3,289.5	-507.2	1.40	0.37	1.35	19.2	12.9
14,673.0	87.83	180.09	11,046.4	-3,384.4	-508.2	1.24	-0.41	-1.17	20.1	11.2
14,767.0	89.34	181.96	11,048.7	-3,478.3	-509.9	2.56	1.61	1.99	20.2	8.9
14,861.0	89.87	181.15	11,049.4	-3,572.3	-512.5	1.03	0.56	-0.86	18.5	5.7
14,956.0	90.10	180.60	11,049.4	-3,667.3	-513.9	0.63	0.24	-0.58	16.2	3.7
15,050.0	90.55	180.34	11,048.9	-3,761.3	-514.7	0.55	0.48	-0.28	13.4	2.3
15,144.0	90.99	179.80	11,047.6	-3,855.3	-514.8	0.74	0.47	-0.57	9.9	1.5
15,239.0	90.60	179.70	11,046.3	-3,950.3	-514.4	0.42	-0.41	-0.11	6.2	1.3
15,333.0	88.39	179.94	11,047.1	-4,044.3	-514.1	2.36	-2.35	0.26	4.8	1.0
15,428.0	88.67	179.32	11,049.6	-4,139.2	-513.5	0.72	0.29	-0.65	4.9	1.0
15,522.0	88.56	179.33	11,051.8	-4,233.2	-512.4	0.12	-0.12	0.01	4.9	1.4



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #506H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3560.0usft
Site:	Yukon 20 Fed Com	MD Reference:	KB = 25' @ 3560.0usft
Well:	#506H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	PEDM

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
15,616.0	88.30	178.56	11,054.4	-4,327.1	-510.6	0.86	-0.28	-0.82	5.2	2.5
15,710.0	88.31	177.52	11,057.2	-4,421.0	-507.4	1.11	0.01	-1.11	5.7	5.1
15,805.0	88.25	177.16	11,060.0	-4,515.9	-503.0	0.38	-0.06	-0.38	6.2	8.9
15,899.0	88.11	176.56	11,063.0	-4,609.7	-497.9	0.66	-0.15	-0.64	6.9	13.4
15,993.0	88.58	179.43	11,065.7	-4,703.6	-494.6	3.09	0.50	3.05	7.3	16.1
16,087.0	88.42	178.45	11,068.2	-4,797.6	-492.9	1.06	-0.17	-1.04	7.5	17.2
16,182.0	89.45	180.73	11,070.0	-4,892.5	-492.2	2.63	1.08	2.40	7.0	17.2
16,276.0	88.56	179.33	11,071.6	-4,986.5	-492.2	1.76	-0.95	-1.49	6.3	16.6
16,371.0	88.30	178.12	11,074.2	-5,081.4	-490.1	1.30	-0.27	-1.27	6.6	18.0
16,465.0	88.61	180.04	11,076.7	-5,175.4	-488.6	2.07	0.33	2.04	6.8	18.9
16,559.0	88.17	179.71	11,079.4	-5,269.4	-488.4	0.59	-0.47	-0.35	7.2	18.5
16,654.0	89.34	181.65	11,081.5	-5,364.3	-489.5	2.38	1.23	2.04	6.9	16.7
16,748.0	89.37	181.43	11,082.5	-5,458.3	-492.1	0.24	0.03	-0.23	5.7	13.6
16,842.0	88.64	181.33	11,084.1	-5,552.2	-494.3	0.78	-0.78	-0.11	5.1	10.7
16,937.0	88.39	181.02	11,086.6	-5,647.2	-496.3	0.42	-0.26	-0.33	5.2	8.1
17,031.0	88.86	182.68	11,088.9	-5,741.1	-499.3	1.83	0.50	1.77	5.2	4.4
17,125.0	88.67	181.63	11,090.9	-5,835.0	-502.8	1.13	-0.20	-1.12	4.9	0.3
17,220.0	88.95	181.70	11,092.9	-5,930.0	-505.6	0.30	0.29	0.07	4.6	-3.1
17,313.0	89.14	180.63	11,094.4	-6,022.9	-507.5	1.17	0.20	-1.15	3.8	-5.6
17,408.0	89.62	180.76	11,095.4	-6,117.9	-508.6	0.52	0.51	0.14	2.6	-7.4
17,502.0	89.45	180.76	11,096.2	-6,211.9	-509.9	0.18	-0.18	0.00	1.0	-9.3
17,596.0	89.26	179.84	11,097.3	-6,305.9	-510.4	1.00	-0.20	-0.98	-0.2	-10.4
17,691.0	88.84	179.47	11,098.8	-6,400.9	-509.8	0.59	-0.44	-0.39	-0.9	-10.5
17,785.0	88.73	178.77	11,100.8	-6,494.8	-508.4	0.75	-0.12	-0.74	-1.2	-9.6
17,880.0	88.81	178.05	11,102.9	-6,589.8	-505.7	0.76	0.08	-0.76	-1.5	-7.6
17,974.0	88.45	177.53	11,105.1	-6,683.7	-502.1	0.67	-0.38	-0.55	-1.5	-4.6
18,068.0	89.20	179.51	11,107.0	-6,777.6	-499.7	2.25	0.80	2.11	-1.9	-2.8



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #506H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3560.0usft
Site:	Yukon 20 Fed Com	MD Reference:	KB = 25' @ 3560.0usft
Well:	#506H	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)
18,163.0	88.75	178.79	11,108.7	-6,872.6	-498.3	0.89	-0.47	-0.76	-2.5	-2.1
18,257.0	90.66	180.28	11,109.2	-6,966.6	-497.5	2.58	2.03	1.59	-4.3	-1.9
18,351.0	90.13	180.12	11,108.6	-7,060.6	-497.8	0.59	-0.56	-0.17	-7.3	-2.9
18,445.0	89.31	180.07	11,109.0	-7,154.6	-498.0	0.87	-0.87	-0.05	-9.1	-3.7
18,540.0	88.95	179.05	11,110.5	-7,249.6	-497.3	1.14	-0.38	-1.07	-10.0	-3.6
18,634.0	91.27	181.19	11,110.3	-7,343.6	-497.5	3.36	2.47	2.28	-12.4	-4.4
18,728.0	91.19	180.62	11,108.3	-7,437.5	-498.9	0.61	-0.09	-0.61	-16.7	-6.5
18,822.0	90.91	180.07	11,106.6	-7,531.5	-499.5	0.66	-0.30	-0.59	-20.8	-7.7
18,916.0	90.97	179.75	11,105.0	-7,625.5	-499.4	0.35	0.06	-0.34	-24.6	-8.2
19,010.0	88.67	180.39	11,105.3	-7,719.5	-499.5	2.54	-2.45	0.68	-26.6	-8.9
19,104.0	86.84	181.16	11,109.0	-7,813.4	-500.7	2.11	-1.95	0.82	-25.2	-10.8
19,199.0	86.00	180.42	11,114.9	-7,908.2	-502.0	1.18	-0.88	-0.78	-21.6	-12.8
19,293.0	88.22	181.00	11,119.7	-8,002.1	-503.2	2.44	2.36	0.62	-19.1	-14.5
19,387.0	87.46	180.00	11,123.2	-8,096.0	-504.0	1.34	-0.81	-1.06	-17.9	-16.0
19,482.0	88.89	179.66	11,126.2	-8,191.0	-503.7	1.55	1.51	-0.36	-17.1	-16.3
19,576.0	90.63	180.20	11,126.6	-8,284.9	-503.6	1.94	1.85	0.57	-19.0	-16.9
19,670.0	89.31	180.43	11,126.7	-8,378.9	-504.2	1.43	-1.40	0.24	-21.3	-18.0
19,764.0	89.09	179.68	11,128.0	-8,472.9	-504.2	0.83	-0.23	-0.80	-22.3	-18.7
19,859.0	89.09	179.51	11,129.5	-8,567.9	-503.6	0.18	0.00	-0.18	-23.1	-18.7
19,953.0	88.64	178.69	11,131.4	-8,661.9	-502.1	0.99	-0.48	-0.87	-23.5	-17.8
20,048.0	89.00	178.45	11,133.3	-8,756.8	-499.7	0.46	0.38	-0.25	-23.8	-16.1
20,142.0	88.89	177.59	11,135.0	-8,850.8	-496.5	0.92	-0.12	-0.91	-24.4	-13.5
20,237.0	89.03	178.39	11,136.8	-8,945.7	-493.1	0.85	0.15	0.84	-25.0	-10.8
20,331.0	88.92	178.16	11,138.5	-9,039.6	-490.3	0.27	-0.12	-0.24	-25.6	-8.6
20,426.0	89.26	177.06	11,140.0	-9,134.5	-486.4	1.21	0.36	-1.16	-26.4	-5.3
20,521.0	88.81	179.95	11,141.6	-9,229.5	-483.9	3.08	-0.47	3.04	-27.1	-3.4
20,615.0	89.06	179.11	11,143.3	-9,323.5	-483.1	0.93	0.27	-0.89	-27.7	-3.3



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #506H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3560.0usft
Site:	Yukon 20 Fed Com	MD Reference:	KB = 25' @ 3560.0usft
Well:	#506H	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)
20,710.0	88.08	178.12	11,145.7	-9,418.4	-480.8	1.47	-1.03	-1.04	-27.6	-1.6
20,805.0	89.01	178.47	11,148.1	-9,513.3	-478.0	1.05	0.98	0.37	-27.5	0.6
20,899.0	91.70	181.20	11,147.5	-9,607.3	-477.7	4.08	2.86	2.90	-30.4	0.3
21,089.0	88.81	181.65	11,146.7	-9,797.2	-482.4	1.54	-1.52	0.24	-35.9	-5.7
Last MWD Survey (MD=21089.0')										
21,190.0	88.84	181.65	11,148.7	-9,898.2	-485.3	0.03	0.03	0.00	-36.2	-9.3
Projection to Bit (MD=21190.0')										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,490.0	10,432.3	507.9	-533.1	KOP, MD:10490.0', TVD:10432.3',N/S:507.9', E/W:-533.1', INC:4.36
10,739.9	10,670.7	450.5	-559.3	FTP Crossing, MD:10739.9', TVD:10670.7',N/S:450.5', E/W:-559.3', INC:32.89
21,089.0	11,146.7	-9,797.2	-482.4	Last MWD Survey (MD=21089.0')
21,190.0	11,148.7	-9,898.2	-485.3	Projection to Bit (MD=21190.0')

Checked By: _____ Approved By: _____ Date: _____



Lea County, NM (NAD 83 NME)

Yukon 20 Fed Com #506H

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: #506H

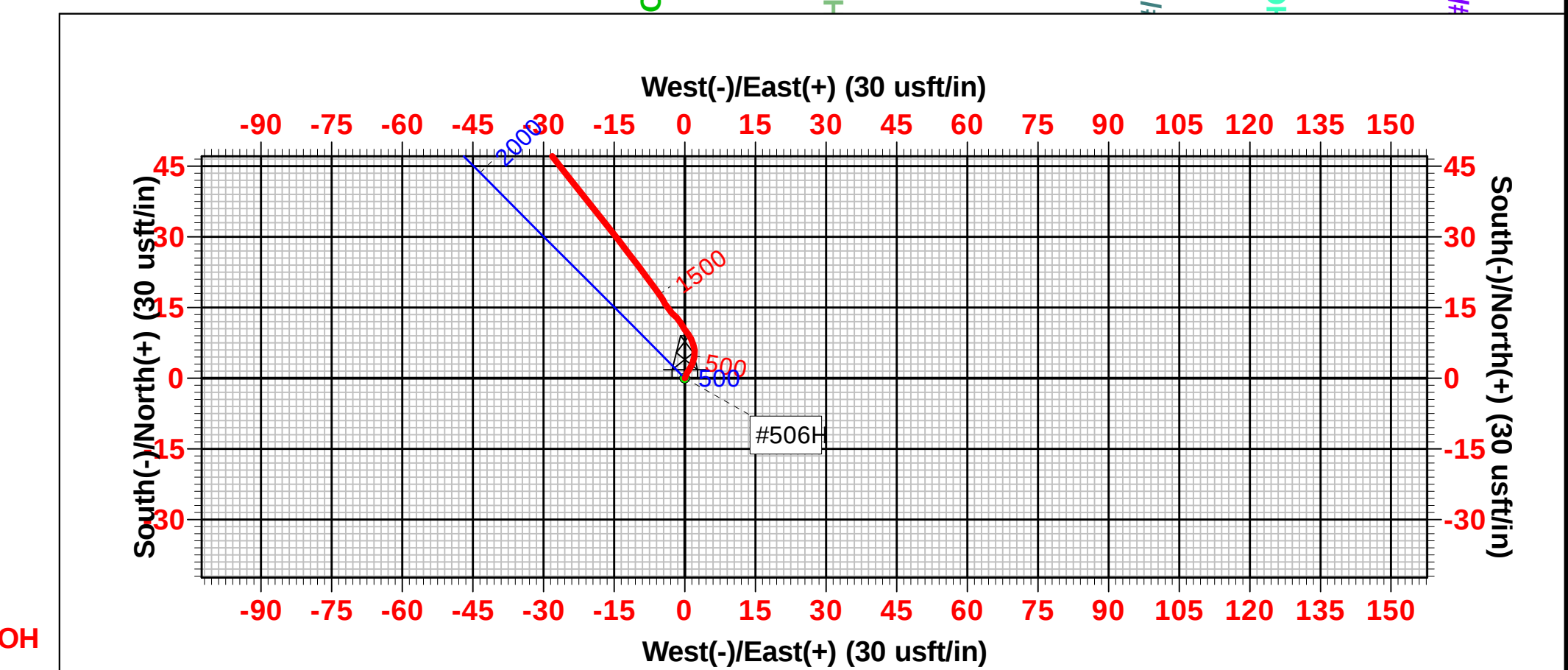
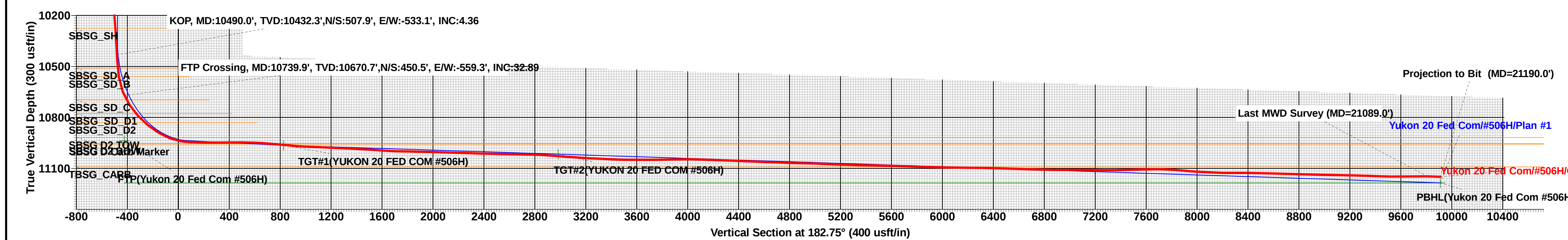
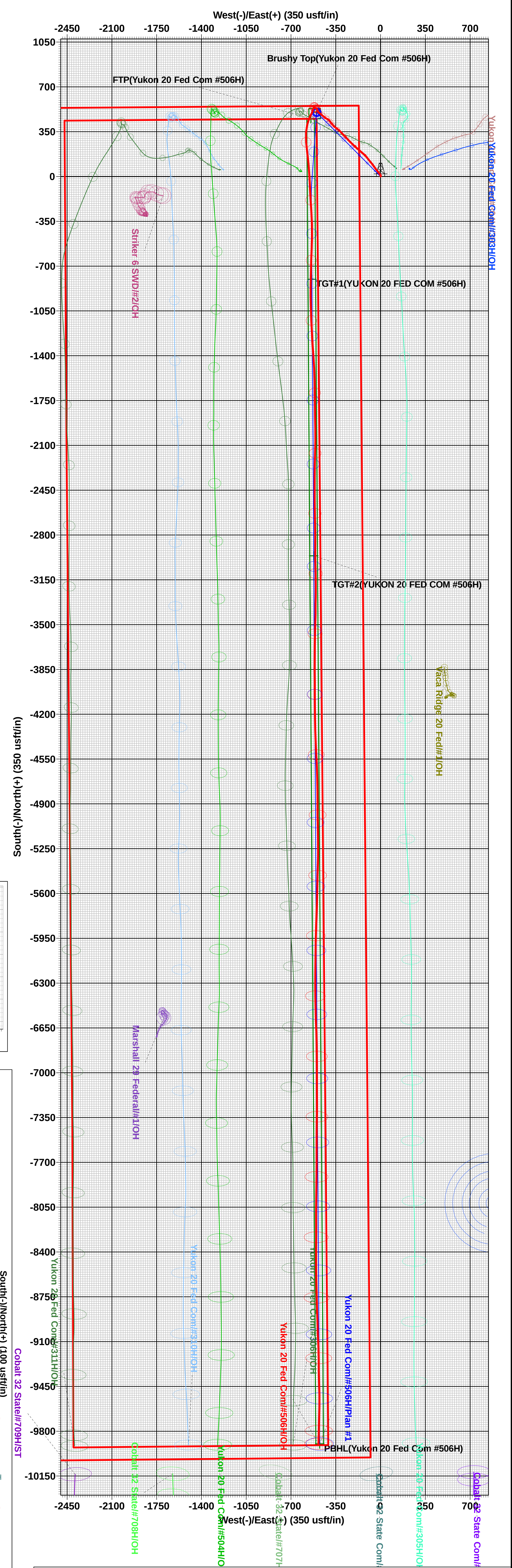
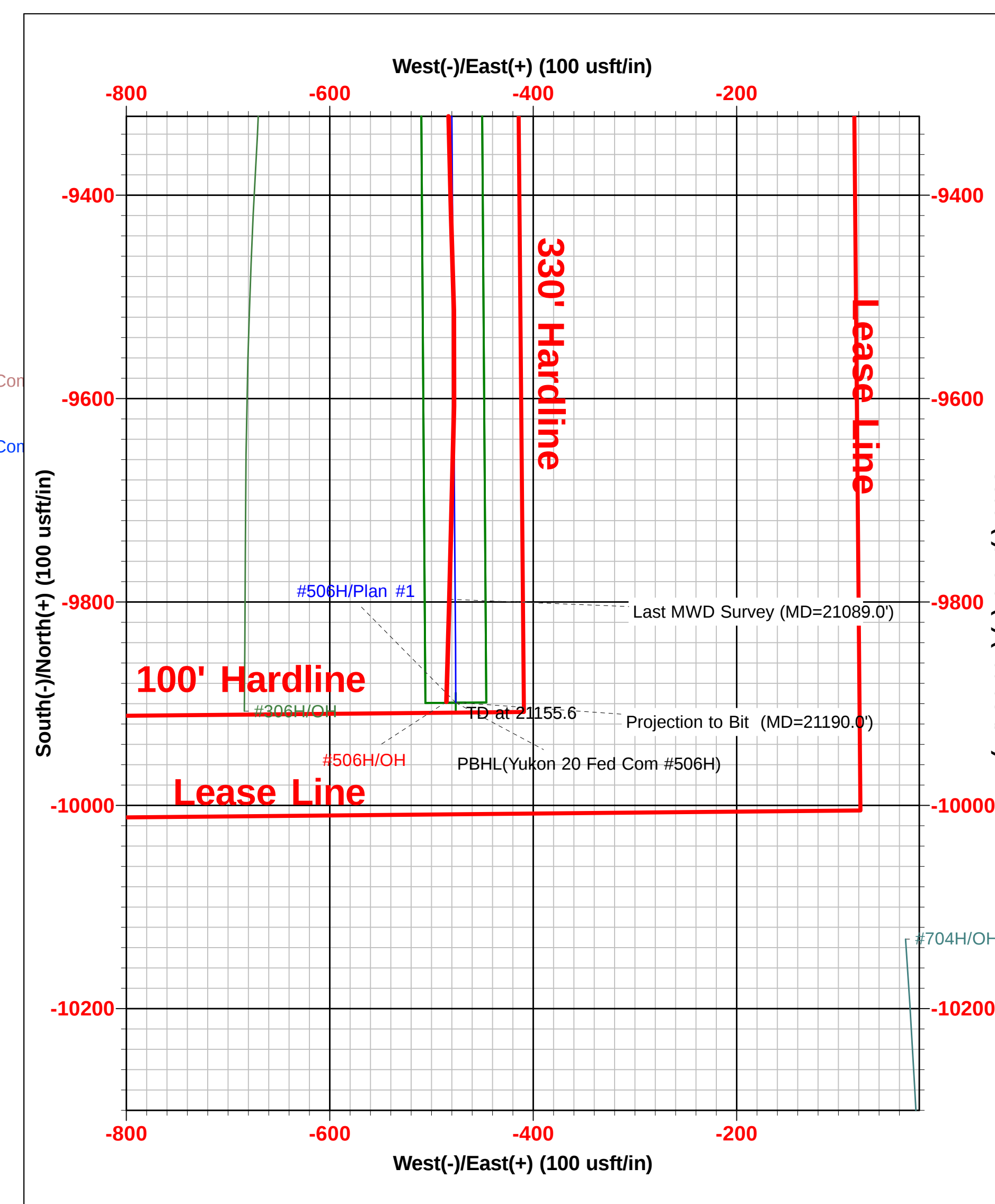
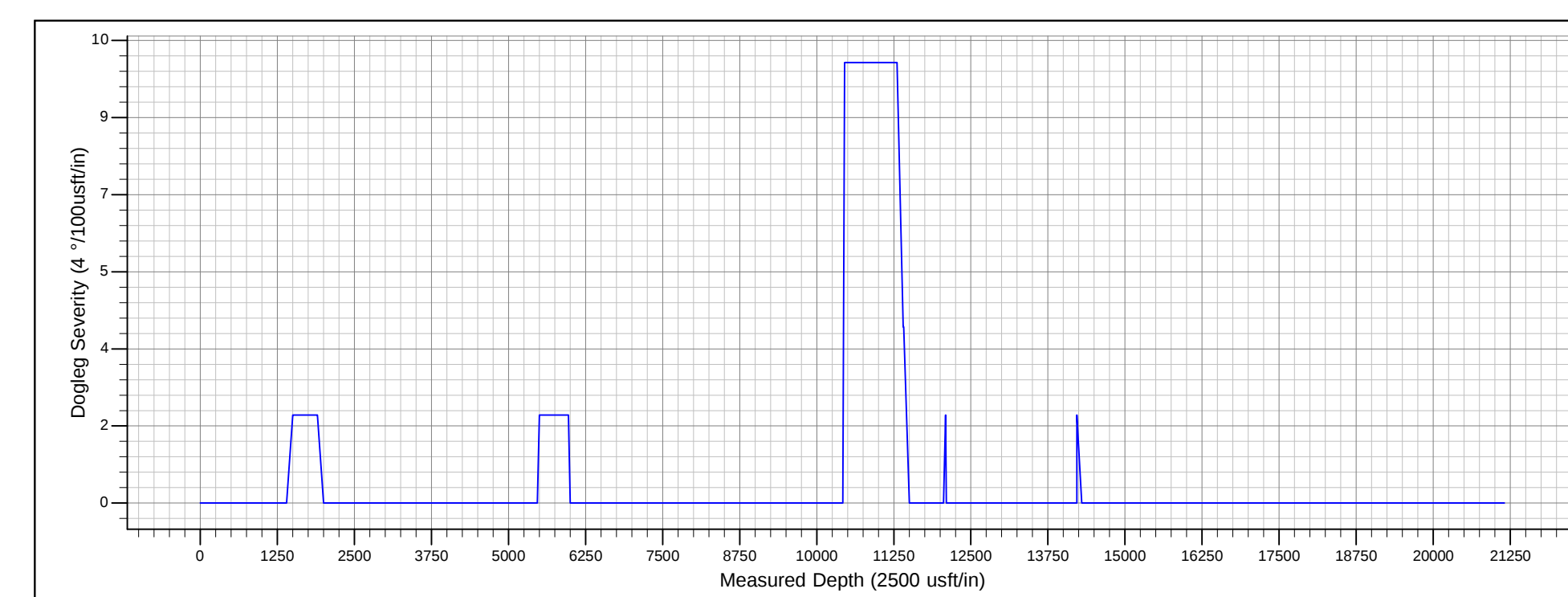
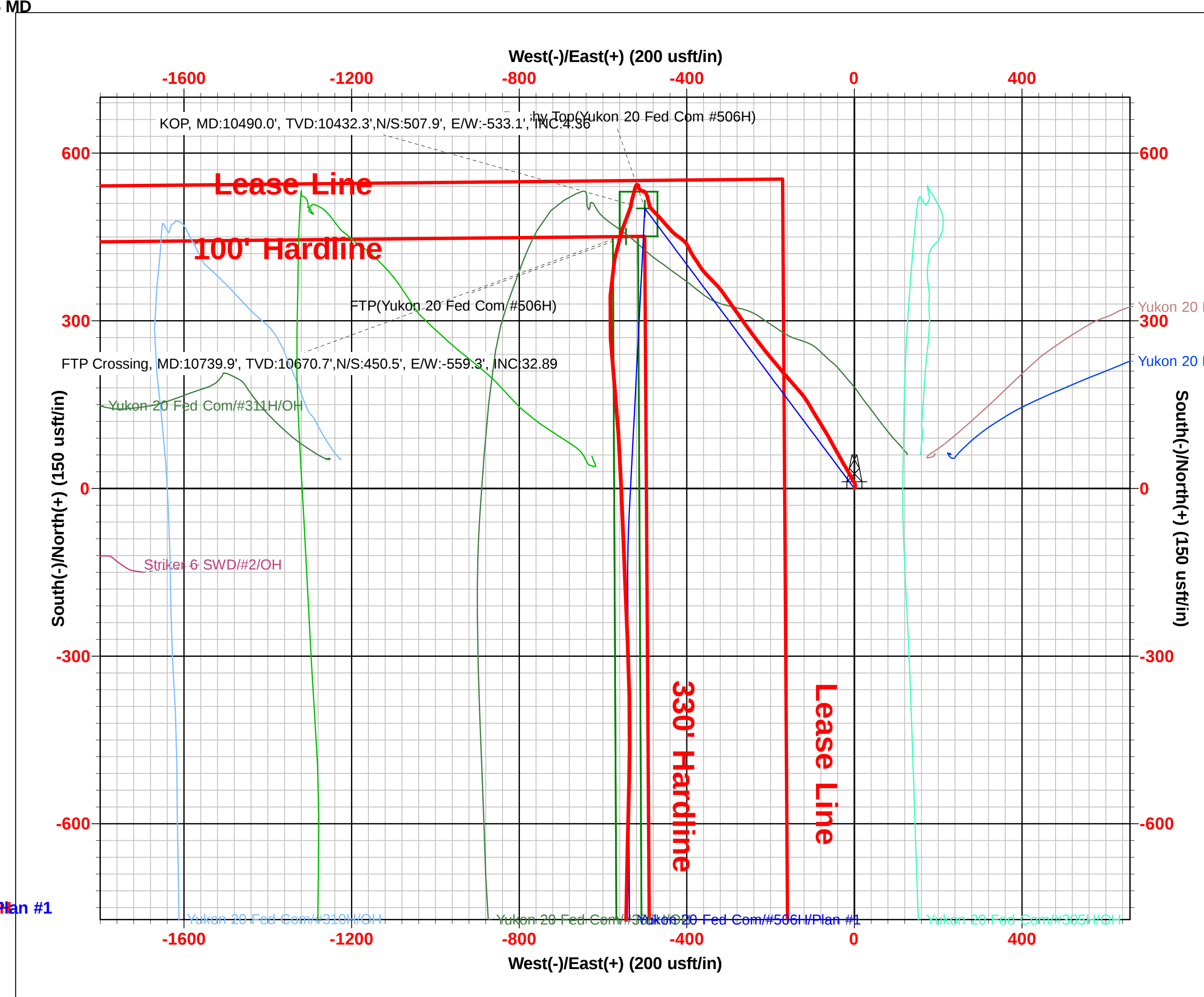
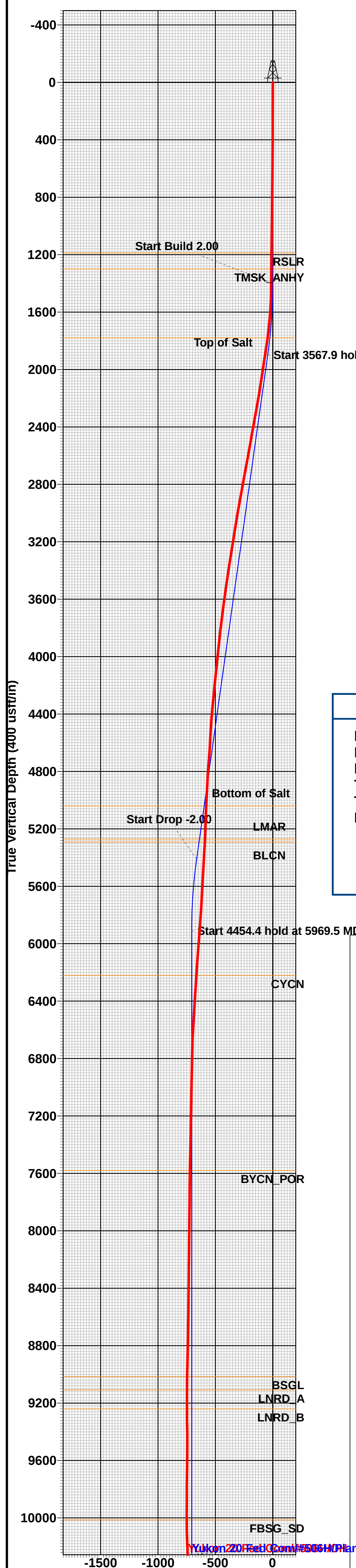
KB = 25' @ 3560.0usft
Northing 440713.00 Easting 801732.00 Latitude 32° 12' 31.657 N Longitude 103° 29' 29.106 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1400.0	0.00	0.00	1400.0	0.0	0.0	0.00	0.00	0.0	
3	1900.8	10.02	315.06	1898.2	30.9	-30.8	2.00	315.06	-29.4	
4	5468.7	10.02	315.06	5411.8	470.1	-469.2	0.00	0.00	-447.0	
5	5969.5	0.00	0.00	5910.0	501.0	-500.0	2.00	180.00	-476.4	
6	10423.9	0.00	0.00	10364.4	501.0	-500.0	0.00	0.00	-476.4	
7	11303.3	87.94	183.91	10937.0	-50.1	-537.7	10.00	183.91	75.8	
8	11410.4	87.94	179.62	10940.8	-157.1	-541.0	4.00	-90.03	182.9	
9	12055.9	87.94	179.62	10964.0	-802.1	-536.7	0.00	0.00	827.0	TGT#1(YUKON 20 FED COM #506H)
10	12090.0	88.63	179.62	10965.0	-836.3	-536.5	2.00	-0.26	861.1	TGT#2(YUKON 20 FED COM #506H)
11	14217.2	88.63	179.62	11016.0	-2962.8	-522.3	0.00	0.00	2984.5	
12	14218.4	88.60	179.62	11016.0	-2963.9	-522.3	2.00	-178.51	2985.6	
13	21155.6	88.60	179.62	11185.0	-9899.0	-476.0	0.00	0.00	9910.4	PBHL(Yukon 20 Fed Com #506H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
Brushy Top(Yukon 20 Fed Com #506H)	7580.0	501.0	-500.0	441214.00	801232.00
FTP(Yukon 20 Fed Com #506H)	10937.0	451.0	-545.0	441164.00	801187.00
TGT#1(YUKON 20 FED COM #506H)	10964.0	-802.1	-536.7	439910.90	801195.30
TGT#2(YUKON 20 FED COM #506H)	11016.0	-2962.8	-522.3	437750.20	801209.70
PBHL(Yukon 20 Fed Com #506H)	11185.0	-9899.0	-476.0	430814.00	801256.00



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

Well Name: YUKON 20 FED COM	Well Location: T24S / R34E / SEC 20 / NWNE /	County or Parish/State: /
Well Number: 506H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM17241	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002549632	Well Status: Producing Oil Well	Operator: EOG RESOURCES INCORPORATED

Notification

Sundry ID:	2672609	Type of Action:	First Production
Type of Submission:	Notification	Time Sundry Submitted:	2:14:50 PM
Date Sundry Submitted:	May 19, 2022		
First Production Date:	Apr 16, 2022		
US Well Number:	3002549632		
First Production Remarks:	1/15/2022 RIG RELEASED 2/8/2022 MIRU TEST VOID TO 5000 PSI, SEALS AND FLANGES TO 8500 PSI 2/23/2022 BEGIN PERF AND FRAC 3/7/2022 FINISH 34 STAGES PERF & FRAC, 11,104'-21,165' W/ 3 1/8" 2035 SHOTS, FRAC 24,769,888 LBS PROPPANT + 334,305 BBLS LOAD FLUID 3/14/2022 DRILLED OUT PLUGS AND CLEAN OUT WELLBORE 4/16/2022 OPENED WELL TO FLOWBACK – DATE OF FIRST PRODUCTION		
Disposition:	Accepted		
Accepted Date:	05/26/2022		

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 YUKON 20 FED COM		
								6. Well Number: 506H		
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 RED HILLS; BONE SPRING NORTH				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	B	20	24S	34E		555'	NORTH	2469'	EAST	LEA
BH:	N	29	24S	34E		109'	SOUTH	2245'	WEST	LEA
13. Date Spudded 1/3/2022	14. Date T.D. Reached 1/13/2022		15. Date Rig Released 1/15/2022			16. Date Completed (Ready to Produce) 4/16/2022		17. Elevations (DF and RKB, RT, GR, etc.) 3535'GR		
18. Total Measured Depth of Well MD 21,190' TVD 11,148'			19. Plug Back Measured Depth MD 21,165' TVD 11,148'			20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run None		
22. Producing Interval(s), of this completion - Top, Bottom, Name 2ND BONE SPRINGS 11,104'-21,165'										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13 3/8"		40# J-55		1335'		16"		710 CL C/CIRC		
9 5/8"		40# J55		5237'		12 1/4"		1335 C/CIRC		
5 1/2"		20# ECP 110		21173'		8 3/4"		3175 CL H/CIRC		
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.				
11,104'-21,165' 3 1/8", 2035 holes						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						11,104'-21,165'		FRAC W/24,769,888lbs proppant,334,305 bbls load fld		
28. PRODUCTION										
Date First Production 4/16/2022		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing				
Date of Test 4/25/2022	Hours Tested 24	Choke Size 70	Prod'n For Test Period	Oil - Bbl 3381	Gas - MCF 4100	Water - Bbl. 6188	Gas - Oil Ratio 1213			
Flow Tubing Press.	Casing Pressure 713	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.) 42				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD								30. Test Witnessed By		
31. List Attachments C-102, C-104, C-105, 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 <i>Kristina Agee</i>			Printed Name Kristina Agee		Title REGULATORY SPECIALIST			Date 6/29/2022		
E-mail Address kristina_agee@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 1177'	T. Canyon Brushy 7,577'	T. Ojo Alamo	T. Penn A"
T. Salt 1730'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 5117'	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 10,010'	T. Entrada	
T. Wolfcamp	T. 2nd BS Shale 10,270'	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

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

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

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

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

ACKNOWLEDGMENTS

Action 122110

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 122110
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

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

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 122110

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 122110
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	None	9/3/2025