

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

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

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

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-49223
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator Matador Production Company		6. State Oil & Gas Lease No.
3. Address of Operator One Lincoln Centre, 5400 LBJ Freeway, Ste 1500, Dallas, TX 75240		7. Lease Name or Unit Agreement Name Dr. Ellis
4. Well Location Unit Letter <u>I</u> : <u>1672</u> feet from the <u>SOUTH</u> line and <u>190</u> feet from the <u>EAST</u> line Section <u>14</u> Township <u>24S</u> Range <u>28E</u> NMPM County <u>EDDY</u>		8. Well Number <u>113H</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2973 GR		9. OGRID Number 10. Pool name or Wildcat PIERCE CROSSING;BONE SPRING

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

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

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

Matador respectfully requests to modify Well location and the drilling plan for the referenced well.

Location:

From: SHL: UL I Sec 14 24S 28E 1672 SOUTH 190 EAST BHL: UL I Sec 18 24S 29E 2318 SOUTH 60 EAST
 To: SHL: UL I Sec 14 24S 28E 1047 SOUTH 757 EAST, BHL UL I Sec 18 24S 29E 1659 SOUTH 110 EAST

Production Hole:

Fluid: From Cut Brine/OBM --> Fresh WTR/Diesel Brine Emulsion

Hole Size: From 8.75" --> 7.875"

Depth: From 17718' --> 18164'

Please find changes above and on attached revised casing plan, C102, NGMP, Directional Drilling Plan.

Spud Date:

Rig Release Date:

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

SIGNATURE Brett Jennings TITLE Regulatory Analyst DATE 04/09/2024

Type or print name Brett Jennings E-mail address: Brett.Jennings@matadorresources.com PHONE: 972-629-2160

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
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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 30-015-49223	² Pool Code 50371	³ Pool Name Pierce Crossing; Bone Spring
⁴ Property Code	⁵ Property Name DR ELLIS	⁶ Well Number 113H
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 2977'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	14	24-S	28-E	-	1047'	SOUTH	757'	EAST	EDDY

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	18	24-S	29-E	-	1659'	SOUTH	110'	EAST	EDDY

¹² Dedicated Acres 319.76	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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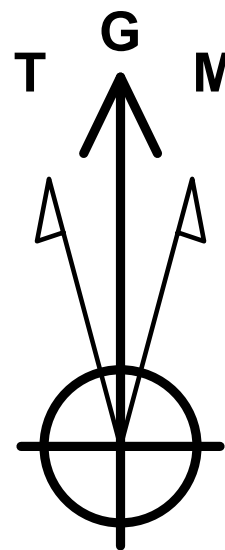
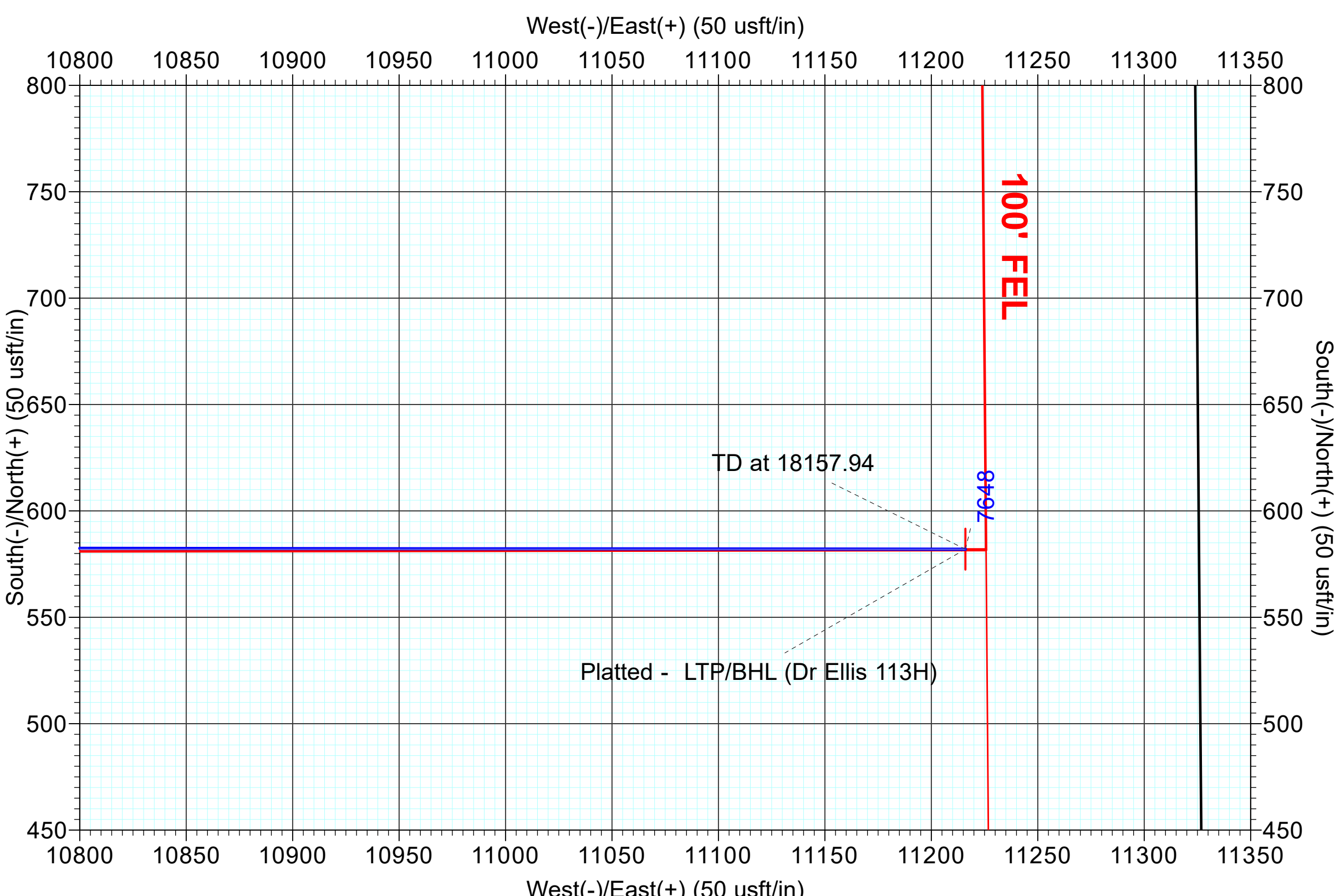
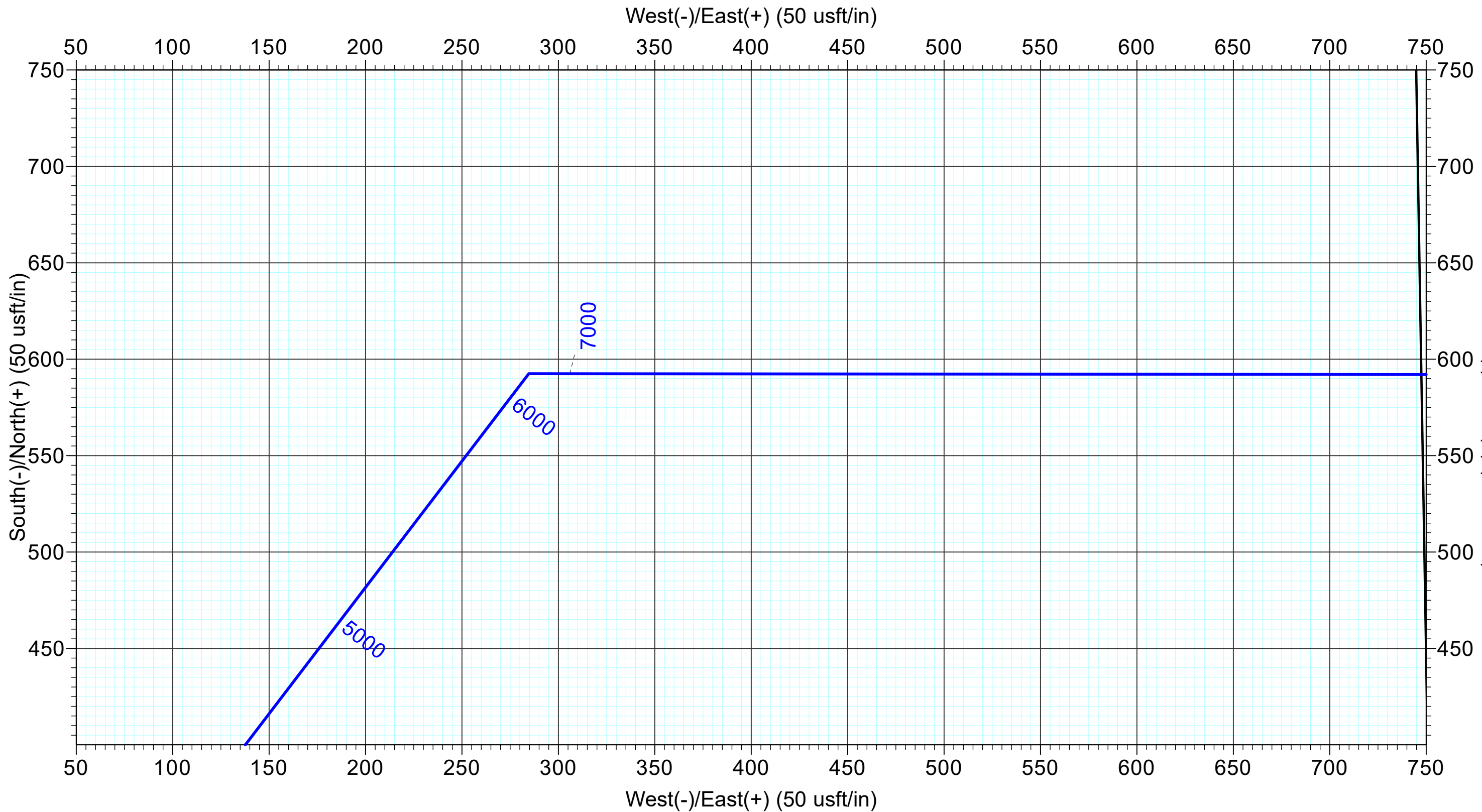
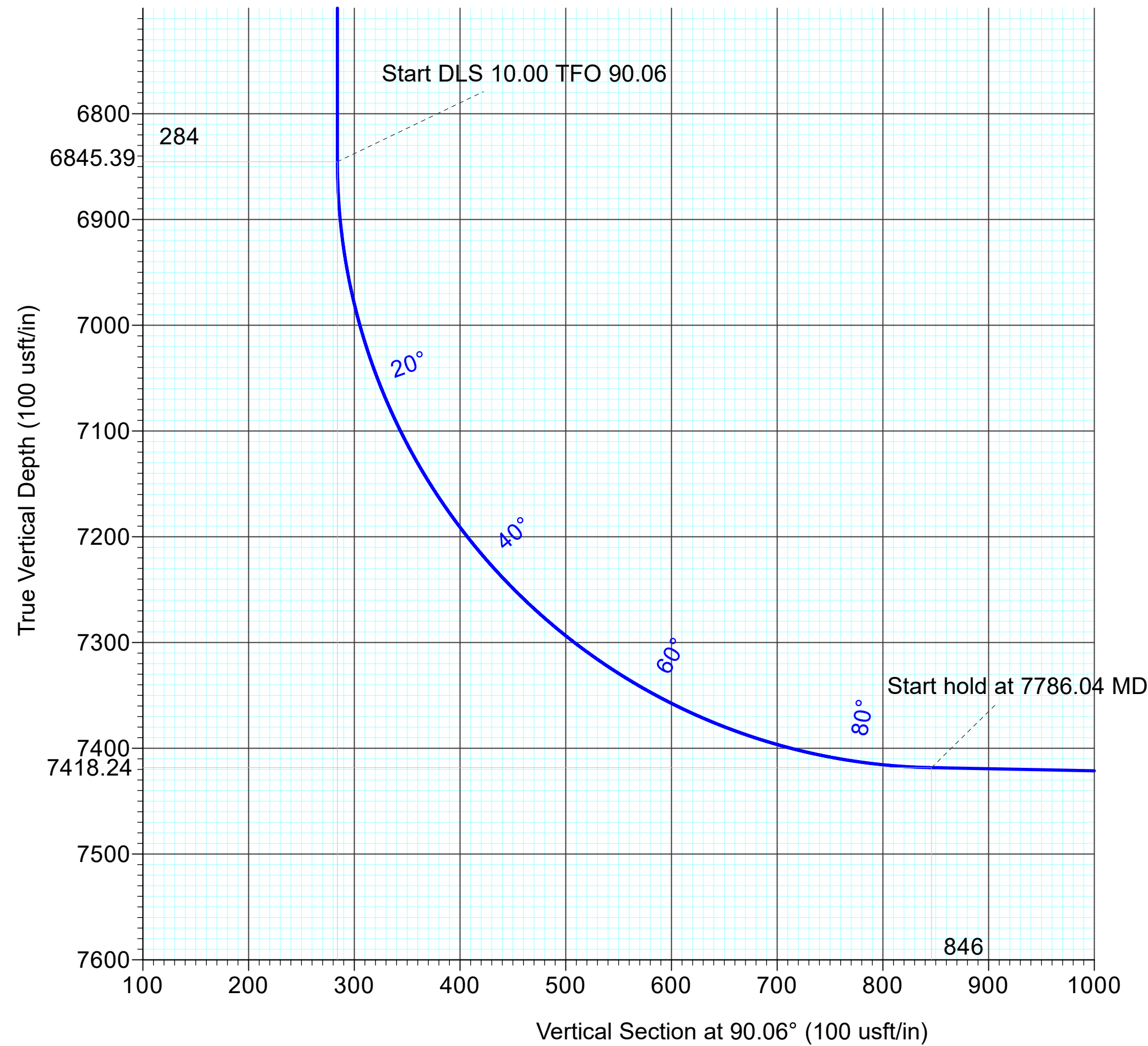
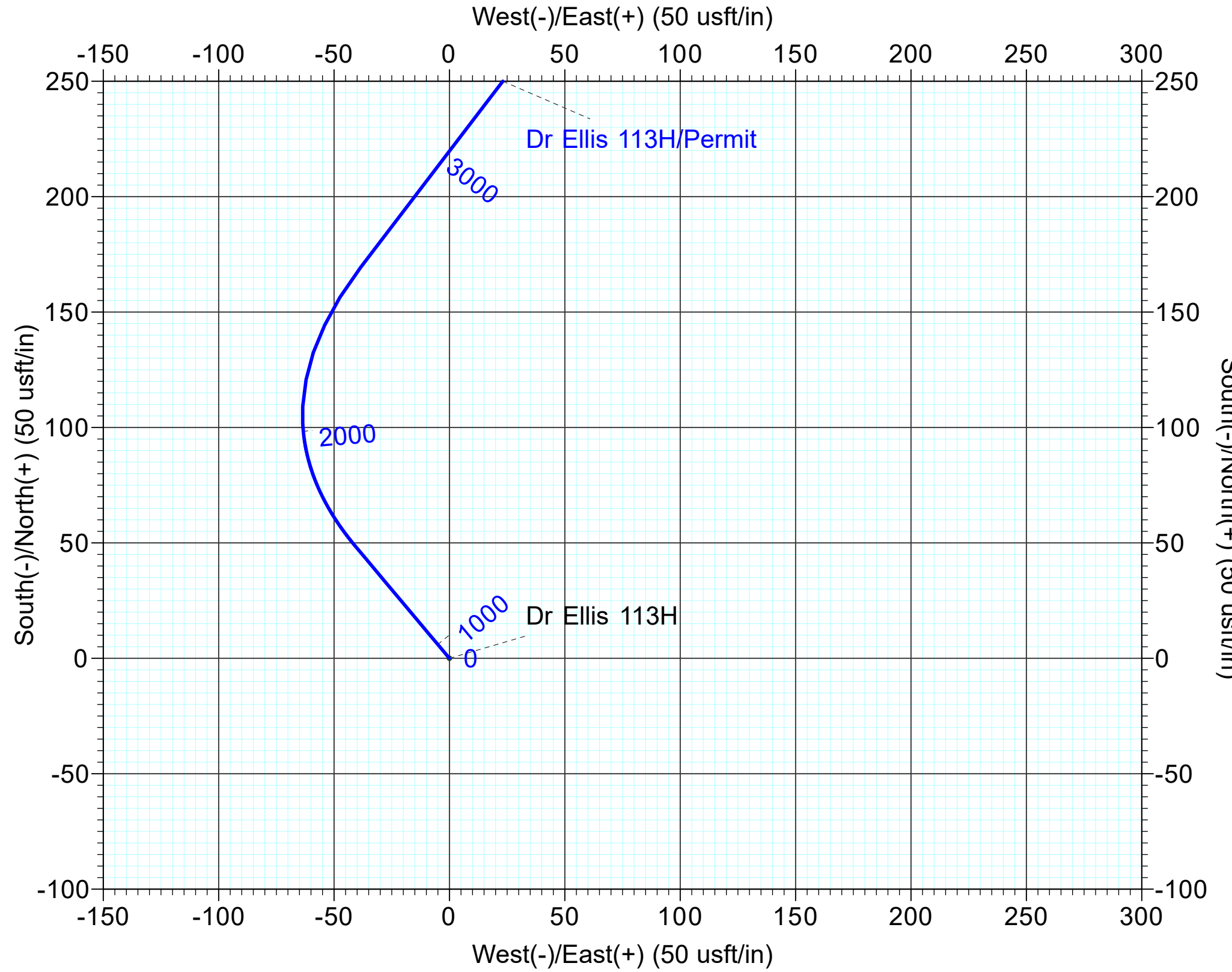
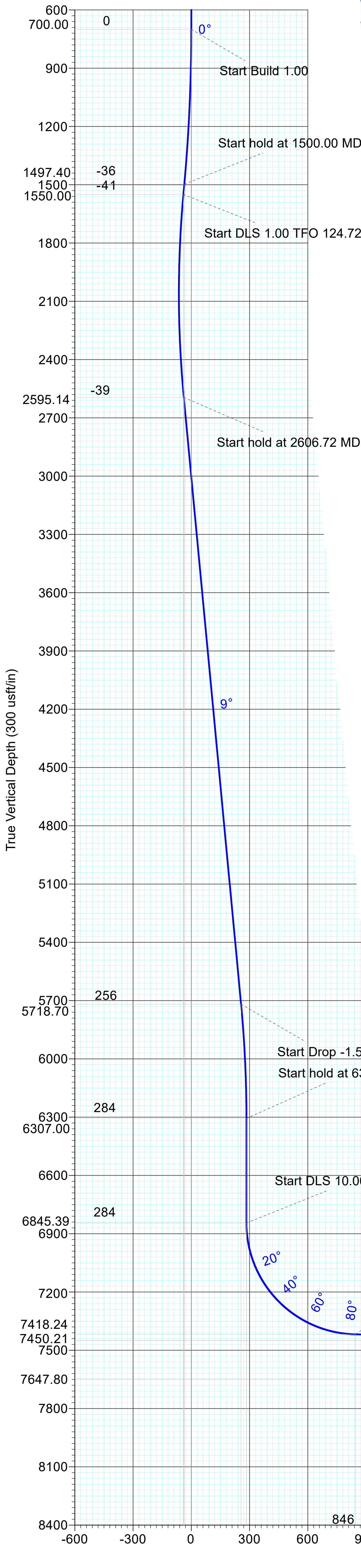
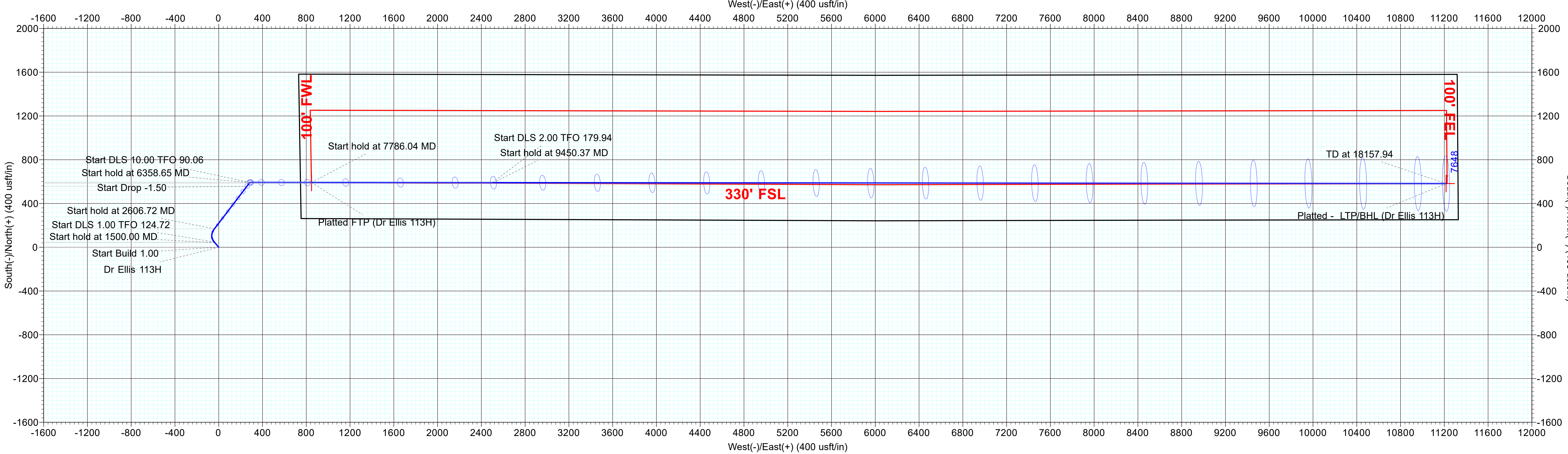
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶					
¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or released mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <i>Hanna Bollenbach</i> Date: <i>4/9/2024</i> Printed Name: <i>Hanna Bollenbach</i> E-mail Address: <i>hanna.bollenbach@matadorresources.com</i>					
¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief. Date of Survey: <i>12/29/2022</i> Signature and Seal of Professional Surveyor: <i>ANGEL M. BAEZA</i> Certificate Number: <i>25116</i>					

Well Name: Dr Ellis State Com #113H										
STRING	FLUID TYPE	HOLE SZ	CSG SZ	CSG GRADE	CSG WT	DEPTH SET	TOP CSG	TTL SX CEMENT	EST TOC	ADDITIONAL INFO FOR CSG/CMT PROGRAM (Optional)
SURF	FRESH WTR	17.5	13.375	J-55	54.50	605	0	525	0	Option to drill surface hole with surface setting rig
INT 1	Diesel/Brine Emulsion	12.25	9.625	J-55	40.00	2720	0	730	0	Option to set DV/Packer. Volumes will be adjusted for 2 stage job.
PROD	FRESH WTR/ Diesel Brine Emulsion	7.875	5.5	P-110	20.00	18164	0	2200	2520	

Matador Resources

Project: Eddy County, NM (NAD 27)
Site: Dr Ellis/Kathy Kregor Pad
Well: Dr Ellis 113H
Wellbore: OH
Design: Permit
Rig: Patterson 340



Azimuths to Grid North
True North: -0.15°
Magnetic North: 6.45°

Magnetic Field
Strength: 47342.9nT
Dip Angle: 59.78°
Date: 4/15/2024
Model: HDGM2024

Total Magnetic Correction: 6.45°

PROJECT DETAILS: Eddy County, NM (NAD 27)

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001

Reference Datum: 2977' GE + 25' KB @ 3002.00usft (Patterson 340)

RKB Elevation: 2977' GE + 25' KB @ 3002.00usft (Patterson 340)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	441429.00	587240.00	32.2132907	-104.0512547	

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	
1500.00	8.00	320.00	1497.40	42.71	-35.84	1.00	320.00	-35.89	
1553.11	8.00	320.00	1550.00	48.38	-40.59	0.00	0.00	-40.64	
2606.72	8.86	37.37	2595.14	169.36	-38.47	1.00	124.72	-38.65	
5768.00	8.86	37.37	5718.70	556.32	257.04	0.00	0.00	256.46	
6358.65	0.00	0.00	6307.00	592.54	284.70	1.50	180.00	284.08	
6897.04	0.00	0.00	6845.39	592.54	284.70	0.00	0.00	284.08	
7786.04	88.90	90.06	7418.24	592.00	846.66	10.00	90.06	846.04	
9440.36	88.90	90.06	7450.00	590.41	2500.67	0.00	0.00	2500.05	
9450.37	88.70	90.06	7450.21	590.40	2510.68	2.00	179.94	2510.06	
18157.94	88.70	90.06	7647.80	582.00	11216.00	0.00	0.00	11215.38	

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Platted - LTP/BHL (Dr Ellis 113H)	0.00	582.00	11216.00	442011.00	598456.00	32.2148045	-104.0149842
Platted FTP (Dr Ellis 113H)	0.00	592.00	848.00	442021.00	588088.00	32.2149120	-104.0485078



Matador Resources

Eddy County, NM (NAD 27)
Dr Ellis/Kathy Kregor Pad
Dr Ellis 113H

OH

Plan: Permit



Standard Plan Report

09 April, 2024

Total Report Version 1.70

COMPASS 5000.16 Build 97

Total Directional
Planned Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well Dr Ellis 113H
Project:	Eddy County, NM (NAD 27)	TVD Reference:	2977' GE + 25' KB @ 3002.00usft (Patterson 340)
Site:	Dr Ellis/Kathy Kregor Pad	MD Reference:	2977' GE + 25' KB @ 3002.00usft (Patterson 340)
Well:	Dr Ellis 113H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Permit	Database:	.Total Directional Production DB

Project	Eddy County, NM (NAD 27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Dr Ellis/Kathy Kregor Pad		
Site Position:		Northing:	441,428.99 usft
From:	Map	Easting:	587,240.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.2132907
		Longitude:	-104.0512547

Well	Dr Ellis 113H		
Well Position	+N/-S	0.00 usft	Northing: 441,429.00 usft
	+E/-W	0.00 usft	Easting: 587,240.00 usft
Position Uncertainty	0.50 usft	Wellhead Elevation:	usft
Grid Convergence:	0.15 °	Ground Level:	2,977.00 usft
		Latitude:	32.2132907
		Longitude:	-104.0512547

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM2024	4/15/2024	6.60
			Dip Angle (°) 59.78
			Field Strength (nT) 47,342.90000000

Design	Permit		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°) 90.06

Survey Tool Program	Date 4/9/2024		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
0.00	18,157.94	Permit (OH)	3_MWD+HRGM
			Description
			B001Mb: HRGM declination correction only

Total Directional Planned Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well Dr Ellis 113H
Project:	Eddy County, NM (NAD 27)	TVD Reference:	2977' GE + 25' KB @ 3002.00usft (Patterson 340)
Site:	Dr Ellis/Kathy Kregor Pad	MD Reference:	2977' GE + 25' KB @ 3002.00usft (Patterson 340)
Well:	Dr Ellis 113H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Permit	Database:	.Total Directional Production DB

Plan Summary

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,500.00	8.00	320.00	1,497.40	42.71	-35.84	1.00	1.00	0.00	320.00	
1,553.11	8.00	320.00	1,550.00	48.38	-40.59	0.00	0.00	0.00	0.00	
2,606.72	8.86	37.37	2,595.14	169.36	-38.47	1.00	0.08	7.34	124.72	
5,768.00	8.86	37.37	5,718.70	556.32	257.04	0.00	0.00	0.00	0.00	
6,358.65	0.00	0.00	6,307.00	592.54	284.70	1.50	-1.50	0.00	180.00	
6,897.04	0.00	0.00	6,845.39	592.54	284.70	0.00	0.00	0.00	0.00	
7,786.04	88.90	90.06	7,418.24	592.00	846.66	10.00	10.00	10.13	90.06	
9,440.36	88.90	90.06	7,450.00	590.41	2,500.67	0.00	0.00	0.00	0.00	
9,450.37	88.70	90.06	7,450.21	590.40	2,510.68	2.00	-2.00	0.00	179.94	
18,157.94	88.70	90.06	7,647.80	582.00	11,216.00	0.00	0.00	0.00	0.00	

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Geo Coordinates		Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
				+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude (°)	Longitude (°)				
0.00	0.00	0.00	0.00	0.00	0.00	441,429.00	587,240.00	32.2132907	-104.0512547	0.00	0.00	0.00	0.00
Platted FTP (Dr Ellis 113H)													
100.00	0.00	0.00	100.00	0.00	0.00	441,429.00	587,240.00	32.2132907	-104.0512547	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	441,429.00	587,240.00	32.2132907	-104.0512547	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	441,429.00	587,240.00	32.2132907	-104.0512547	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	441,429.00	587,240.00	32.2132907	-104.0512547	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	441,429.00	587,240.00	32.2132907	-104.0512547	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	441,429.00	587,240.00	32.2132907	-104.0512547	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	441,429.00	587,240.00	32.2132907	-104.0512547	0.00	0.00	0.00	0.00
800.00	1.00	320.00	799.99	0.67	-0.56	441,429.67	587,239.44	32.2132926	-104.0512565	-0.56	1.00	1.00	0.00
900.00	2.00	320.00	899.96	2.67	-2.24	441,431.67	587,237.76	32.2132981	-104.0512619	-2.25	1.00	1.00	0.00
1,000.00	3.00	320.00	999.86	6.02	-5.05	441,435.02	587,234.95	32.2133073	-104.0512710	-5.05	1.00	1.00	0.00
1,100.00	4.00	320.00	1,099.68	10.69	-8.97	441,439.69	587,231.03	32.2133202	-104.0512836	-8.98	1.00	1.00	0.00
1,200.00	5.00	320.00	1,199.37	16.70	-14.01	441,445.70	587,225.99	32.2133368	-104.0512999	-14.03	1.00	1.00	0.00
1,300.00	6.00	320.00	1,298.90	24.04	-20.18	441,453.04	587,219.82	32.2133570	-104.0513197	-20.20	1.00	1.00	0.00
1,400.00	7.00	320.00	1,398.26	32.72	-27.45	441,461.72	587,212.55	32.2133809	-104.0513432	-27.49	1.00	1.00	0.00
1,500.00	8.00	320.00	1,497.40	42.71	-35.84	441,471.71	587,204.16	32.2134084	-104.0513702	-35.89	1.00	1.00	0.00
1,553.11	8.00	320.00	1,550.00	48.38	-40.59	441,477.38	587,199.41	32.2134240	-104.0513856	-40.64	0.00	0.00	0.00
1,600.00	7.74	322.86	1,596.44	53.39	-44.60	441,482.39	587,195.40	32.2134378	-104.0513985	-44.65	1.00	-0.55	6.10
1,700.00	7.26	329.59	1,695.59	64.22	-51.86	441,493.22	587,188.14	32.2134676	-104.0514219	-51.93	1.00	-0.48	6.73
1,800.00	6.90	337.15	1,794.83	75.20	-57.40	441,504.20	587,182.60	32.2134979	-104.0514397	-57.47	1.00	-0.37	7.56
1,900.00	6.66	345.39	1,894.13	86.35	-61.19	441,515.35	587,178.81	32.2135285	-104.0514518	-61.28	1.00	-0.24	8.24

Total Directional Planned Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well Dr Ellis 113H
Project:	Eddy County, NM (NAD 27)	TVD Reference:	2977' GE + 25' KB @ 3002.00usft (Patterson 340)
Site:	Dr Ellis/Kathy Kregor Pad	MD Reference:	2977' GE + 25' KB @ 3002.00usft (Patterson 340)
Well:	Dr Ellis 113H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Permit	Database:	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,000.00	6.57	354.04	1,993.47	97.65	-63.25	441,526.65	587,176.75	32.2135596	-104.0514584	-63.35	1.00	-0.09	8.65
2,100.00	6.63	2.74	2,092.81	109.10	-63.57	441,538.10	587,176.43	32.2135911	-104.0514593	-63.68	1.00	0.06	8.70
2,200.00	6.83	11.09	2,192.12	120.71	-62.15	441,549.71	587,177.85	32.2136230	-104.0514546	-62.27	1.00	0.21	8.36
2,300.00	7.17	18.81	2,291.38	132.46	-58.99	441,561.46	587,181.01	32.2136553	-104.0514443	-59.13	1.00	0.34	7.72
2,400.00	7.63	25.73	2,390.55	144.35	-54.09	441,573.35	587,185.91	32.2136879	-104.0514284	-54.24	1.00	0.46	6.91
2,500.00	8.18	31.79	2,489.60	156.38	-47.46	441,585.38	587,192.54	32.2137210	-104.0514068	-47.62	1.00	0.55	6.06
2,606.72	8.86	37.37	2,595.14	169.36	-38.47	441,598.36	587,201.53	32.2137566	-104.0513777	-38.65	1.00	0.63	5.23
2,700.00	8.86	37.37	2,687.31	180.78	-29.75	441,609.78	587,210.25	32.2137879	-104.0513494	-29.94	0.00	0.00	0.00
2,800.00	8.86	37.37	2,786.11	193.02	-20.40	441,622.02	587,219.60	32.2138215	-104.0513190	-20.60	0.00	0.00	0.00
2,900.00	8.86	37.37	2,884.92	205.26	-11.05	441,634.26	587,228.95	32.2138551	-104.0512887	-11.27	0.00	0.00	0.00
3,000.00	8.86	37.37	2,983.73	217.50	-1.71	441,646.50	587,238.29	32.2138887	-104.0512584	-1.93	0.00	0.00	0.00
3,100.00	8.86	37.37	3,082.54	229.74	7.64	441,658.74	587,247.64	32.2139222	-104.0512281	7.40	0.00	0.00	0.00
3,200.00	8.86	37.37	3,181.34	241.98	16.99	441,670.98	587,256.99	32.2139558	-104.0511977	16.73	0.00	0.00	0.00
3,300.00	8.86	37.37	3,280.15	254.23	26.34	441,683.23	587,266.34	32.2139894	-104.0511674	26.07	0.00	0.00	0.00
3,400.00	8.86	37.37	3,378.96	266.47	35.68	441,695.47	587,275.68	32.2140230	-104.0511371	35.40	0.00	0.00	0.00
3,500.00	8.86	37.37	3,477.76	278.71	45.03	441,707.71	587,285.03	32.2140566	-104.0511067	44.74	0.00	0.00	0.00
3,600.00	8.86	37.37	3,576.57	290.95	54.38	441,719.95	587,294.38	32.2140902	-104.0510764	54.07	0.00	0.00	0.00
3,700.00	8.86	37.37	3,675.38	303.19	63.73	441,732.19	587,303.73	32.2141237	-104.0510461	63.41	0.00	0.00	0.00
3,800.00	8.86	37.37	3,774.18	315.43	73.07	441,744.43	587,313.07	32.2141573	-104.0510158	72.74	0.00	0.00	0.00
3,900.00	8.86	37.37	3,872.99	327.67	82.42	441,756.67	587,322.42	32.2141909	-104.0509854	82.08	0.00	0.00	0.00
4,000.00	8.86	37.37	3,971.80	339.91	91.77	441,768.91	587,331.77	32.2142245	-104.0509551	91.41	0.00	0.00	0.00
4,100.00	8.86	37.37	4,070.60	352.15	101.12	441,781.15	587,341.12	32.2142581	-104.0509248	100.75	0.00	0.00	0.00
4,200.00	8.86	37.37	4,169.41	364.39	110.47	441,793.39	587,350.47	32.2142916	-104.0508944	110.08	0.00	0.00	0.00
4,300.00	8.86	37.37	4,268.22	376.63	119.81	441,805.63	587,359.81	32.2143252	-104.0508641	119.42	0.00	0.00	0.00
4,400.00	8.86	37.37	4,367.02	388.87	129.16	441,817.87	587,369.16	32.2143588	-104.0508338	128.75	0.00	0.00	0.00
4,500.00	8.86	37.37	4,465.83	401.11	138.51	441,830.11	587,378.51	32.2143924	-104.0508035	138.09	0.00	0.00	0.00
4,600.00	8.86	37.37	4,564.64	413.35	147.86	441,842.35	587,387.86	32.2144260	-104.0507731	147.42	0.00	0.00	0.00
4,700.00	8.86	37.37	4,663.44	425.59	157.20	441,854.59	587,397.20	32.2144595	-104.0507428	156.76	0.00	0.00	0.00
4,800.00	8.86	37.37	4,762.25	437.83	166.55	441,866.83	587,406.55	32.2144931	-104.0507125	166.09	0.00	0.00	0.00
4,900.00	8.86	37.37	4,861.06	450.07	175.90	441,879.07	587,415.90	32.2145267	-104.0506821	175.43	0.00	0.00	0.00
5,000.00	8.86	37.37	4,959.87	462.31	185.25	441,891.31	587,425.25	32.2145603	-104.0506518	184.76	0.00	0.00	0.00
5,100.00	8.86	37.37	5,058.67	474.55	194.60	441,903.55	587,434.60	32.2145939	-104.0506215	194.10	0.00	0.00	0.00
5,200.00	8.86	37.37	5,157.48	486.79	203.94	441,915.79	587,443.94	32.2146274	-104.0505912	203.43	0.00	0.00	0.00
5,300.00	8.86	37.37	5,256.29	499.03	213.29	441,928.03	587,453.29	32.2146610	-104.0505608	212.77	0.00	0.00	0.00
5,400.00	8.86	37.37	5,355.09	511.27	222.64	441,940.27	587,462.64	32.2146946	-104.0505305	222.10	0.00	0.00	0.00
5,500.00	8.86	37.37	5,453.90	523.51	231.99	441,952.51	587,471.99	32.2147282	-104.0505002	231.44	0.00	0.00	0.00
5,600.00	8.86	37.37	5,552.71	535.75	241.33	441,964.75	587,481.33	32.2147618	-104.0504698	240.77	0.00	0.00	0.00
5,700.00	8.86	37.37	5,651.51	548.00	250.68	441,977.00	587,490.68	32.2147954	-104.0504395	250.11	0.00	0.00	0.00

Total Directional Planned Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well Dr Ellis 113H
Project:	Eddy County, NM (NAD 27)	TVD Reference:	2977' GE + 25' KB @ 3002.00usft (Patterson 340)
Site:	Dr Ellis/Kathy Kregor Pad	MD Reference:	2977' GE + 25' KB @ 3002.00usft (Patterson 340)
Well:	Dr Ellis 113H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Permit	Database:	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,768.00	8.86	37.37	5,718.70	556.32	257.04	441,985.32	587,497.04	32.2148182	-104.0504189	256.46	0.00	0.00	0.00
5,800.00	8.38	37.37	5,750.34	560.13	259.95	441,989.13	587,499.95	32.2148286	-104.0504094	259.36	1.50	-1.50	0.00
5,900.00	6.88	37.37	5,849.45	570.68	268.01	441,999.68	587,508.01	32.2148576	-104.0503833	267.41	1.50	-1.50	0.00
6,000.00	5.38	37.37	5,948.88	579.17	274.49	442,008.17	587,514.49	32.2148809	-104.0503623	273.88	1.50	-1.50	0.00
6,100.00	3.88	37.37	6,048.55	585.58	279.39	442,014.58	587,519.39	32.2148985	-104.0503464	278.77	1.50	-1.50	0.00
6,200.00	2.38	37.37	6,148.40	589.92	282.70	442,018.92	587,522.70	32.2149104	-104.0503356	282.08	1.50	-1.50	0.00
6,300.00	0.88	37.37	6,248.35	592.18	284.43	442,021.18	587,524.43	32.2149166	-104.0503300	283.81	1.50	-1.50	0.00
6,358.65	0.00	0.00	6,307.00	592.54	284.70	442,021.54	587,524.70	32.2149176	-104.0503291	284.08	1.50	-1.50	0.00
6,400.00	0.00	0.00	6,348.35	592.54	284.70	442,021.54	587,524.70	32.2149176	-104.0503291	284.08	0.00	0.00	0.00
6,500.00	0.00	0.00	6,448.35	592.54	284.70	442,021.54	587,524.70	32.2149176	-104.0503291	284.08	0.00	0.00	0.00
6,600.00	0.00	0.00	6,548.35	592.54	284.70	442,021.54	587,524.70	32.2149176	-104.0503291	284.08	0.00	0.00	0.00
6,700.00	0.00	0.00	6,648.35	592.54	284.70	442,021.54	587,524.70	32.2149176	-104.0503291	284.08	0.00	0.00	0.00
6,800.00	0.00	0.00	6,748.35	592.54	284.70	442,021.54	587,524.70	32.2149176	-104.0503291	284.08	0.00	0.00	0.00
6,897.04	0.00	0.00	6,845.39	592.54	284.70	442,021.54	587,524.70	32.2149176	-104.0503291	284.08	0.00	0.00	0.00
6,900.00	0.30	90.06	6,848.35	592.54	284.71	442,021.54	587,524.71	32.2149176	-104.0503291	284.09	10.00	10.00	0.00
6,950.00	5.30	90.06	6,898.28	592.54	287.15	442,021.54	587,527.15	32.2149175	-104.0503212	286.53	10.00	10.00	0.00
7,000.00	10.30	90.06	6,947.80	592.53	293.93	442,021.53	587,533.93	32.2149175	-104.0502993	293.31	10.00	10.00	0.00
7,050.00	15.30	90.06	6,996.54	592.52	305.00	442,021.52	587,545.00	32.2149174	-104.0502635	304.38	10.00	10.00	0.00
7,100.00	20.30	90.06	7,044.13	592.51	320.27	442,021.51	587,560.27	32.2149172	-104.0502141	319.65	10.00	10.00	0.00
7,150.00	25.30	90.06	7,090.21	592.49	339.64	442,021.49	587,579.64	32.2149170	-104.0501515	339.02	10.00	10.00	0.00
7,200.00	30.30	90.06	7,134.43	592.46	362.95	442,021.46	587,602.95	32.2149168	-104.0500761	362.33	10.00	10.00	0.00
7,250.00	35.30	90.06	7,176.45	592.44	390.02	442,021.44	587,630.02	32.2149165	-104.0499886	389.40	10.00	10.00	0.00
7,300.00	40.30	90.06	7,215.94	592.41	420.66	442,021.41	587,660.66	32.2149162	-104.0498895	420.03	10.00	10.00	0.00
7,350.00	45.30	90.06	7,252.62	592.38	454.61	442,021.38	587,694.61	32.2149159	-104.0497797	453.99	10.00	10.00	0.00
7,400.00	50.30	90.06	7,286.20	592.34	491.64	442,021.34	587,731.64	32.2149155	-104.0496600	491.02	10.00	10.00	0.00
7,450.00	55.30	90.06	7,316.42	592.30	531.45	442,021.30	587,771.45	32.2149151	-104.0495313	530.83	10.00	10.00	0.00
7,500.00	60.30	90.06	7,343.06	592.26	573.75	442,021.26	587,813.75	32.2149147	-104.0493945	573.13	10.00	10.00	0.00
7,550.00	65.30	90.06	7,365.91	592.22	618.20	442,021.22	587,858.20	32.2149143	-104.0492508	617.58	10.00	10.00	0.00
7,600.00	70.30	90.06	7,384.80	592.17	664.48	442,021.17	587,904.48	32.2149138	-104.0491012	663.86	10.00	10.00	0.00
7,650.00	75.30	90.06	7,399.58	592.13	712.23	442,021.13	587,952.23	32.2149133	-104.0489468	711.61	10.00	10.00	0.00
7,700.00	80.30	90.06	7,410.15	592.08	761.08	442,021.08	588,001.08	32.2149128	-104.0487888	760.46	10.00	10.00	0.00
7,750.00	85.30	90.06	7,416.42	592.03	810.67	442,021.03	588,050.67	32.2149123	-104.0486285	810.05	10.00	10.00	0.00
7,786.04	88.90	90.06	7,418.24	592.00	846.66	442,021.00	588,086.66	32.2149120	-104.0485121	846.04	10.00	10.00	0.00
New FTP (Dr Ellis 113H)													
7,800.00	88.90	90.06	7,418.51	591.99	860.62	442,020.99	588,100.62	32.2149119	-104.0484670	860.00	0.00	0.00	0.00
7,900.00	88.90	90.06	7,420.43	591.89	960.60	442,020.89	588,200.60	32.2149109	-104.0481437	959.98	0.00	0.00	0.00
8,000.00	88.90	90.06	7,422.35	591.79	1,060.58	442,020.79	588,300.58	32.2149099	-104.0478204	1,059.96	0.00	0.00	0.00

Total Directional Planned Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well Dr Ellis 113H
Project:	Eddy County, NM (NAD 27)	TVD Reference:	2977' GE + 25' KB @ 3002.00usft (Patterson 340)
Site:	Dr Ellis/Kathy Kregor Pad	MD Reference:	2977' GE + 25' KB @ 3002.00usft (Patterson 340)
Well:	Dr Ellis 113H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Permit	Database:	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longitude (°)	Vertical Dogleg Section (usft)	Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,100.00	88.90	90.06	7,424.27	591.70	1,160.56	442,020.70	588,400.56	32.2149089	-104.0474972	1,159.94	0.00	0.00	0.00
8,200.00	88.90	90.06	7,426.19	591.60	1,260.54	442,020.60	588,500.54	32.2149079	-104.0471739	1,259.92	0.00	0.00	0.00
8,300.00	88.90	90.06	7,428.11	591.51	1,360.52	442,020.51	588,600.52	32.2149069	-104.0468506	1,359.90	0.00	0.00	0.00
8,400.00	88.90	90.06	7,430.03	591.41	1,460.51	442,020.41	588,700.51	32.2149059	-104.0465273	1,459.89	0.00	0.00	0.00
8,500.00	88.90	90.06	7,431.95	591.31	1,560.49	442,020.31	588,800.49	32.2149049	-104.0462040	1,559.87	0.00	0.00	0.00
8,600.00	88.90	90.06	7,433.87	591.22	1,660.47	442,020.22	588,900.47	32.2149039	-104.0458808	1,659.85	0.00	0.00	0.00
8,700.00	88.90	90.06	7,435.79	591.12	1,760.45	442,020.12	589,000.45	32.2149029	-104.0455575	1,759.83	0.00	0.00	0.00
8,800.00	88.90	90.06	7,437.71	591.03	1,860.43	442,020.03	589,100.43	32.2149019	-104.0452342	1,859.81	0.00	0.00	0.00
8,900.00	88.90	90.06	7,439.63	590.93	1,960.41	442,019.93	589,200.41	32.2149009	-104.0449109	1,959.79	0.00	0.00	0.00
9,000.00	88.90	90.06	7,441.55	590.83	2,060.39	442,019.83	589,300.39	32.2148999	-104.0445876	2,059.77	0.00	0.00	0.00
9,100.00	88.90	90.06	7,443.47	590.74	2,160.38	442,019.74	589,400.38	32.2148989	-104.0442644	2,159.76	0.00	0.00	0.00
9,200.00	88.90	90.06	7,445.39	590.64	2,260.36	442,019.64	589,500.36	32.2148979	-104.0439411	2,259.74	0.00	0.00	0.00
9,300.00	88.90	90.06	7,447.31	590.54	2,360.34	442,019.54	589,600.34	32.2148969	-104.0436178	2,359.72	0.00	0.00	0.00
9,400.00	88.90	90.06	7,449.23	590.45	2,460.32	442,019.45	589,700.32	32.2148959	-104.0432945	2,459.70	0.00	0.00	0.00
9,440.36	88.90	90.06	7,450.00	590.41	2,500.67	442,019.41	589,740.67	32.2148955	-104.0431641	2,500.05	0.00	0.00	0.00
9,450.37	88.70	90.06	7,450.21	590.40	2,510.68	442,019.40	589,750.68	32.2148954	-104.0431317	2,510.06	2.00	-2.00	0.00
9,500.00	88.70	90.06	7,451.34	590.35	2,560.30	442,019.35	589,800.30	32.2148949	-104.0429713	2,559.68	0.00	0.00	0.00
9,600.00	88.70	90.06	7,453.61	590.26	2,660.27	442,019.26	589,900.27	32.2148938	-104.0426480	2,659.65	0.00	0.00	0.00
9,700.00	88.70	90.06	7,455.87	590.16	2,760.25	442,019.16	590,000.25	32.2148928	-104.0423248	2,759.63	0.00	0.00	0.00
9,800.00	88.70	90.06	7,458.14	590.06	2,860.22	442,019.06	590,100.22	32.2148918	-104.0420015	2,859.60	0.00	0.00	0.00
9,900.00	88.70	90.06	7,460.41	589.97	2,960.19	442,018.97	590,200.19	32.2148908	-104.0416783	2,959.58	0.00	0.00	0.00
10,000.00	88.70	90.06	7,462.68	589.87	3,060.17	442,018.87	590,300.17	32.2148898	-104.0413550	3,059.55	0.00	0.00	0.00
10,100.00	88.70	90.06	7,464.95	589.77	3,160.14	442,018.77	590,400.14	32.2148888	-104.0410317	3,159.52	0.00	0.00	0.00
10,200.00	88.70	90.06	7,467.22	589.68	3,260.12	442,018.68	590,500.12	32.2148878	-104.0407085	3,259.50	0.00	0.00	0.00
10,300.00	88.70	90.06	7,469.49	589.58	3,360.09	442,018.58	590,600.09	32.2148868	-104.0403852	3,359.47	0.00	0.00	0.00
10,400.00	88.70	90.06	7,471.76	589.48	3,460.07	442,018.48	590,700.07	32.2148858	-104.0400620	3,459.45	0.00	0.00	0.00
10,500.00	88.70	90.06	7,474.03	589.39	3,560.04	442,018.39	590,800.04	32.2148847	-104.0397387	3,559.42	0.00	0.00	0.00
10,600.00	88.70	90.06	7,476.30	589.29	3,660.01	442,018.29	590,900.01	32.2148837	-104.0394155	3,659.40	0.00	0.00	0.00
10,700.00	88.70	90.06	7,478.57	589.19	3,759.99	442,018.19	590,999.99	32.2148827	-104.0390922	3,759.37	0.00	0.00	0.00
10,800.00	88.70	90.06	7,480.84	589.10	3,859.96	442,018.10	591,099.96	32.2148817	-104.0387690	3,859.34	0.00	0.00	0.00
10,900.00	88.70	90.06	7,483.10	589.00	3,959.94	442,018.00	591,199.94	32.2148807	-104.0384457	3,959.32	0.00	0.00	0.00
11,000.00	88.70	90.06	7,485.37	588.91	4,059.91	442,017.91	591,299.91	32.2148796	-104.0381225	4,059.29	0.00	0.00	0.00
11,100.00	88.70	90.06	7,487.64	588.81	4,159.89	442,017.81	591,399.89	32.2148786	-104.0377992	4,159.27	0.00	0.00	0.00
11,200.00	88.70	90.06	7,489.91	588.71	4,259.86	442,017.71	591,499.86	32.2148776	-104.0374760	4,259.24	0.00	0.00	0.00
11,300.00	88.70	90.06	7,492.18	588.62	4,359.83	442,017.62	591,599.83	32.2148766	-104.0371527	4,359.21	0.00	0.00	0.00
11,400.00	88.70	90.06	7,494.45	588.52	4,459.81	442,017.52	591,699.81	32.2148756	-104.0368294	4,459.19	0.00	0.00	0.00
11,500.00	88.70	90.06	7,496.72	588.42	4,559.78	442,017.42	591,799.78	32.2148745	-104.0365062	4,559.16	0.00	0.00	0.00
11,600.00	88.70	90.06	7,498.99	588.33	4,659.76	442,017.33	591,899.76	32.2148735	-104.0361829	4,659.14	0.00	0.00	0.00

Total Directional Planned Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well Dr Ellis 113H
Project:	Eddy County, NM (NAD 27)	TVD Reference:	2977' GE + 25' KB @ 3002.00usft (Patterson 340)
Site:	Dr Ellis/Kathy Kregor Pad	MD Reference:	2977' GE + 25' KB @ 3002.00usft (Patterson 340)
Well:	Dr Ellis 113H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Permit	Database:	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,700.00	88.70	90.06	7,501.26	588.23	4,759.73	442,017.23	591,999.73	32.2148725	-104.0358597	4,759.11	0.00	0.00	0.00
11,800.00	88.70	90.06	7,503.53	588.13	4,859.70	442,017.13	592,099.70	32.2148715	-104.0355364	4,859.09	0.00	0.00	0.00
11,900.00	88.70	90.06	7,505.80	588.04	4,959.68	442,017.04	592,199.68	32.2148704	-104.0352132	4,959.06	0.00	0.00	0.00
12,000.00	88.70	90.06	7,508.07	587.94	5,059.65	442,016.94	592,299.65	32.2148694	-104.0348899	5,059.03	0.00	0.00	0.00
12,100.00	88.70	90.06	7,510.33	587.84	5,159.63	442,016.84	592,399.63	32.2148684	-104.0345667	5,159.01	0.00	0.00	0.00
12,200.00	88.70	90.06	7,512.60	587.75	5,259.60	442,016.75	592,499.60	32.2148673	-104.0342434	5,258.98	0.00	0.00	0.00
12,300.00	88.70	90.06	7,514.87	587.65	5,359.58	442,016.65	592,599.58	32.2148663	-104.0339202	5,358.96	0.00	0.00	0.00
12,400.00	88.70	90.06	7,517.14	587.55	5,459.55	442,016.55	592,699.55	32.2148653	-104.0335969	5,458.93	0.00	0.00	0.00
12,500.00	88.70	90.06	7,519.41	587.46	5,559.52	442,016.46	592,799.52	32.2148643	-104.0332737	5,558.91	0.00	0.00	0.00
12,600.00	88.70	90.06	7,521.68	587.36	5,659.50	442,016.36	592,899.50	32.2148632	-104.0329504	5,658.88	0.00	0.00	0.00
12,700.00	88.70	90.06	7,523.95	587.27	5,759.47	442,016.27	592,999.47	32.2148622	-104.0326271	5,758.85	0.00	0.00	0.00
12,800.00	88.70	90.06	7,526.22	587.17	5,859.45	442,016.17	593,099.45	32.2148612	-104.0323039	5,858.83	0.00	0.00	0.00
12,900.00	88.70	90.06	7,528.49	587.07	5,959.42	442,016.07	593,199.42	32.2148601	-104.0319806	5,958.80	0.00	0.00	0.00
13,000.00	88.70	90.06	7,530.76	586.98	6,059.40	442,015.98	593,299.40	32.2148591	-104.0316574	6,058.78	0.00	0.00	0.00
13,100.00	88.70	90.06	7,533.03	586.88	6,159.37	442,015.88	593,399.37	32.2148580	-104.0313341	6,158.75	0.00	0.00	0.00
13,200.00	88.70	90.06	7,535.30	586.78	6,259.34	442,015.78	593,499.34	32.2148570	-104.0310109	6,258.73	0.00	0.00	0.00
13,300.00	88.70	90.06	7,537.56	586.69	6,359.32	442,015.69	593,599.32	32.2148560	-104.0306876	6,358.70	0.00	0.00	0.00
13,400.00	88.70	90.06	7,539.83	586.59	6,459.29	442,015.59	593,699.29	32.2148549	-104.0303644	6,458.67	0.00	0.00	0.00
13,500.00	88.70	90.06	7,542.10	586.49	6,559.27	442,015.49	593,799.27	32.2148539	-104.0300411	6,558.65	0.00	0.00	0.00
13,600.00	88.70	90.06	7,544.37	586.40	6,659.24	442,015.40	593,899.24	32.2148528	-104.0297179	6,658.62	0.00	0.00	0.00
13,700.00	88.70	90.06	7,546.64	586.30	6,759.21	442,015.30	593,999.21	32.2148518	-104.0293946	6,758.60	0.00	0.00	0.00
13,800.00	88.70	90.06	7,548.91	586.20	6,859.19	442,015.20	594,099.19	32.2148508	-104.0290714	6,858.57	0.00	0.00	0.00
13,900.00	88.70	90.06	7,551.18	586.11	6,959.16	442,015.11	594,199.16	32.2148497	-104.0287481	6,958.55	0.00	0.00	0.00
14,000.00	88.70	90.06	7,553.45	586.01	7,059.14	442,015.01	594,299.14	32.2148487	-104.0284249	7,058.52	0.00	0.00	0.00
14,100.00	88.70	90.06	7,555.72	585.91	7,159.11	442,014.91	594,399.11	32.2148476	-104.0281016	7,158.49	0.00	0.00	0.00
14,200.00	88.70	90.06	7,557.99	585.82	7,259.09	442,014.82	594,499.09	32.2148466	-104.0277783	7,258.47	0.00	0.00	0.00
14,300.00	88.70	90.06	7,560.26	585.72	7,359.06	442,014.72	594,599.06	32.2148455	-104.0274551	7,358.44	0.00	0.00	0.00
14,400.00	88.70	90.06	7,562.53	585.63	7,459.03	442,014.63	594,699.03	32.2148445	-104.0271318	7,458.42	0.00	0.00	0.00
14,500.00	88.70	90.06	7,564.80	585.53	7,559.01	442,014.53	594,799.01	32.2148434	-104.0268086	7,558.39	0.00	0.00	0.00
14,600.00	88.70	90.06	7,567.06	585.43	7,658.98	442,014.43	594,898.98	32.2148424	-104.0264853	7,658.37	0.00	0.00	0.00
14,700.00	88.70	90.06	7,569.33	585.34	7,758.96	442,014.34	594,998.96	32.2148413	-104.0261621	7,758.34	0.00	0.00	0.00
14,800.00	88.70	90.06	7,571.60	585.24	7,858.93	442,014.24	595,098.93	32.2148403	-104.0258388	7,858.31	0.00	0.00	0.00
14,900.00	88.70	90.06	7,573.87	585.14	7,958.91	442,014.14	595,198.91	32.2148392	-104.0255156	7,958.29	0.00	0.00	0.00
15,000.00	88.70	90.06	7,576.14	585.05	8,058.88	442,014.05	595,298.88	32.2148382	-104.0251923	8,058.26	0.00	0.00	0.00
15,100.00	88.70	90.06	7,578.41	584.95	8,158.85	442,013.95	595,398.85	32.2148371	-104.0248691	8,158.24	0.00	0.00	0.00
15,200.00	88.70	90.06	7,580.68	584.85	8,258.83	442,013.85	595,498.83	32.2148361	-104.0245458	8,258.21	0.00	0.00	0.00
15,300.00	88.70	90.06	7,582.95	584.76	8,358.80	442,013.76	595,598.80	32.2148350	-104.0242226	8,358.19	0.00	0.00	0.00

Total Directional Planned Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well Dr Ellis 113H
Project:	Eddy County, NM (NAD 27)	TVD Reference:	2977' GE + 25' KB @ 3002.00usft (Patterson 340)
Site:	Dr Ellis/Kathy Kregor Pad	MD Reference:	2977' GE + 25' KB @ 3002.00usft (Patterson 340)
Well:	Dr Ellis 113H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Permit	Database:	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longitude (°)	Vertical Dogleg Section (usft)	Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,400.00	88.70	90.06	7,585.22	584.66	8,458.78	442,013.66	595,698.78	32.2148340	-104.0238993	8,458.16	0.00	0.00	0.00
15,500.00	88.70	90.06	7,587.49	584.56	8,558.75	442,013.56	595,798.75	32.2148329	-104.0235760	8,558.13	0.00	0.00	0.00
15,600.00	88.70	90.06	7,589.76	584.47	8,658.72	442,013.47	595,898.72	32.2148319	-104.0232528	8,658.11	0.00	0.00	0.00
15,700.00	88.70	90.06	7,592.03	584.37	8,758.70	442,013.37	595,998.70	32.2148308	-104.0229295	8,758.08	0.00	0.00	0.00
15,800.00	88.70	90.06	7,594.29	584.27	8,858.67	442,013.27	596,098.67	32.2148297	-104.0226063	8,858.06	0.00	0.00	0.00
15,900.00	88.70	90.06	7,596.56	584.18	8,958.65	442,013.18	596,198.65	32.2148287	-104.0222830	8,958.03	0.00	0.00	0.00
16,000.00	88.70	90.06	7,598.83	584.08	9,058.62	442,013.08	596,298.62	32.2148276	-104.0219598	9,058.00	0.00	0.00	0.00
16,100.00	88.70	90.06	7,601.10	583.99	9,158.60	442,012.99	596,398.60	32.2148266	-104.0216365	9,157.98	0.00	0.00	0.00
16,200.00	88.70	90.06	7,603.37	583.89	9,258.57	442,012.89	596,498.57	32.2148255	-104.0213133	9,257.95	0.00	0.00	0.00
16,300.00	88.70	90.06	7,605.64	583.79	9,358.54	442,012.79	596,598.54	32.2148244	-104.0209900	9,357.93	0.00	0.00	0.00
16,400.00	88.70	90.06	7,607.91	583.70	9,458.52	442,012.70	596,698.52	32.2148234	-104.0206668	9,457.90	0.00	0.00	0.00
16,500.00	88.70	90.06	7,610.18	583.60	9,558.49	442,012.60	596,798.49	32.2148223	-104.0203435	9,557.88	0.00	0.00	0.00
16,600.00	88.70	90.06	7,612.45	583.50	9,658.47	442,012.50	596,898.47	32.2148212	-104.0200203	9,657.85	0.00	0.00	0.00
16,700.00	88.70	90.06	7,614.72	583.41	9,758.44	442,012.41	596,998.44	32.2148202	-104.0196970	9,757.82	0.00	0.00	0.00
16,800.00	88.70	90.06	7,616.99	583.31	9,858.42	442,012.31	597,098.41	32.2148191	-104.0193738	9,857.80	0.00	0.00	0.00
16,900.00	88.70	90.06	7,619.26	583.21	9,958.39	442,012.21	597,198.39	32.2148180	-104.0190505	9,957.77	0.00	0.00	0.00
17,000.00	88.70	90.06	7,621.52	583.12	10,058.36	442,012.12	597,298.36	32.2148170	-104.0187273	10,057.75	0.00	0.00	0.00
17,100.00	88.70	90.06	7,623.79	583.02	10,158.34	442,012.02	597,398.34	32.2148159	-104.0184040	10,157.72	0.00	0.00	0.00
17,200.00	88.70	90.06	7,626.06	582.92	10,258.31	442,011.92	597,498.31	32.2148148	-104.0180807	10,257.70	0.00	0.00	0.00
17,300.00	88.70	90.06	7,628.33	582.83	10,358.29	442,011.83	597,598.29	32.2148137	-104.0177575	10,357.67	0.00	0.00	0.00
17,400.00	88.70	90.06	7,630.60	582.73	10,458.26	442,011.73	597,698.26	32.2148127	-104.0174342	10,457.64	0.00	0.00	0.00
17,500.00	88.70	90.06	7,632.87	582.63	10,558.23	442,011.63	597,798.23	32.2148116	-104.0171110	10,557.62	0.00	0.00	0.00
17,600.00	88.70	90.06	7,635.14	582.54	10,658.21	442,011.54	597,898.21	32.2148105	-104.0167877	10,657.59	0.00	0.00	0.00
17,700.00	88.70	90.06	7,637.41	582.44	10,758.18	442,011.44	597,998.18	32.2148094	-104.0164645	10,757.57	0.00	0.00	0.00
17,800.00	88.70	90.06	7,639.68	582.35	10,858.16	442,011.35	598,098.16	32.2148084	-104.0161412	10,857.54	0.00	0.00	0.00
17,900.00	88.70	90.06	7,641.95	582.25	10,958.13	442,011.25	598,198.13	32.2148073	-104.0158180	10,957.52	0.00	0.00	0.00
17,984.39	88.70	90.06	7,643.86	582.17	11,042.50	442,011.17	598,282.50	32.2148064	-104.0155452	11,041.89	0.00	0.00	0.00
Platted - LTP/BHL (Dr Ellis 113H)													
18,000.00	88.70	90.06	7,644.22	582.15	11,058.11	442,011.15	598,298.11	32.2148062	-104.0154947	11,057.49	0.00	0.00	0.00
18,100.00	88.70	90.06	7,646.49	582.06	11,158.08	442,011.06	598,398.08	32.2148051	-104.0151715	11,157.46	0.00	0.00	0.00
18,157.22	88.70	90.06	7,647.78	582.00	11,215.28	442,011.00	598,455.28	32.2148045	-104.0149865	11,214.67	0.00	0.00	0.00
New LTP/PBHL (Dr Ellis 113H)													
18,157.94	88.70	90.06	7,647.80	582.00	11,216.00	442,011.00	598,456.00	32.2148045	-104.0149842	11,215.38	0.00	0.00	0.00

Total Directional
Planned Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well Dr Ellis 113H
Project:	Eddy County, NM (NAD 27)	TVD Reference:	2977' GE + 25' KB @ 3002.00usft (Patterson 340)
Site:	Dr Ellis/Kathy Kregor Pad	MD Reference:	2977' GE + 25' KB @ 3002.00usft (Patterson 340)
Well:	Dr Ellis 113H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Permit	Database:	.Total Directional Production DB

Design Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
Platted - LTP/BHL (Dr Ellis 1)	0.00	0.00	0.00	582.00	11,216.00	442,011.00	598,456.00	32.2148045	-104.0149842
- plan misses target center by 7645.83usft at 17984.39usft MD (7643.86 TVD, 582.17 N, 11042.50 E)									
- Point									
Platted FTP (Dr Ellis 1)	0.00	0.00	0.00	592.00	848.00	442,021.00	588,088.00	32.2149120	-104.0485078
- plan misses target center by 1034.20usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Point									

Checked By: _____

Approved By: _____

Date: _____

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description **Effective May 25, 2021**

I. Operator: Matador Production Company **OGRID:** 228937 **Date:** 4/9/2024

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Dr. Ellis 113H	TBD	P 14-24S-28E	1047' FSL 757' FEL	1,906	5,082	5,800

IV. Central Delivery Point Name: Tiger TB [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Dr. Ellis 113H	TBD	04/16/2024	05/16/2024	06/17/2024	08/15/2024	08/15/2024

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 3 - Certifications**Effective May 25, 2021**

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

If Operator checks this box, Operator will select one of the following:

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

Addendum to Natural Gas Management Plan for Matador's
Tiger TB

VI. Separation Equipment

Flow from the wells will be routed via a flowline to a 48"x15' three phase separator dedicated to the well. The first stage separators are sized with input from BRE ProMax and API 12J. Anticipated production rates can be seen in the below table. Liquid retention times at expected maximum rates will be >3 minutes. Gas will be routed from the first stage separator to sales. Hydrocarbon liquids are dumped from the first stage separator and commingled to one or more heater treaters. The flash gas from the heater treater(s) could either be sent to sales or routed to a compressor if the sales line pressure is higher than the MAWP of the heater treater (125 psi). From the heater treaters, hydrocarbon liquid will be routed to the tanks where vapor is compressed by a VRU if technically feasible to either sales or a compressor if the sales line pressure is higher than the VRU's maximum discharge pressure (~150 psi). Therefore, Matador has sized our separation equipment to optimize gas capture and our separation equipment is of sufficient size to handle the expected volumes of gas.

Well Name	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Dr. Ellis 113H	1,906	5,082	6,031

VII. Operation Practices

Although not a complete recitation of all our efforts to comply with subsection A through F of 19.15.27.8 NMAC, a summary is as follows. During initial flowback we will route the flowback fluids into completion or storage tanks and, to the extent possible, flare rather than vent any gas. We will commence operation of a separator as soon as technically feasible and have instructed our team that we want to connect the gas to sales as soon as possible but not later than 30 days after initial flowback.

Regarding production operations, we have designed our production facilities to be compliant with the requirements of Part E of 19.15.27.8 NMAC. We will instruct our team to perform the AVOs on the frequency required under the rules. While the well is producing, we will take steps to minimize flaring during maintenance, as set forth below, and we have a process in place for the measuring of any flared gas and the reporting of any reportable flaring events.

VII. Best Management Practices

Steps are taken to minimize venting during active or planned maintenance when technically feasible including:

- Isolating the affected component and reducing pressure through process piping
- Blowing down the equipment being maintained to a control device
- Performing preventative maintenance and minimizing the duration of maintenance activities
- Shutting in sources of supply as possible

- Other steps that are available depending on the maintenance being performed

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 331529

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 331529
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	All original COA's still apply. Additionally, if cement is not circulated to surface during cementing operations, then a CBL is required.	4/12/2024