

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

Form C-101
Revised July 18, 2013

Energy Minerals and Natural Resources

Oil Conservation Division

☐ AMENDED REPORT

1220 South St. Francis Dr.

Santa Fe, NM 87505

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Matador Production Company 5400 LBJ Freeway, Ste 1500 Dallas, TX 75240		² OGRID Number 228937
		³ API Number 30-025-49654
⁴ Property Code 331865	⁵ Property Name Teri 22 17S 37E State	⁶ Well No. 001

⁷ Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
A	22	17S	37E		100	NORTH	1130	EAST	LEA

⁸ Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
B	22	17S	37E		51	NORTH	1344	EAST	LEA

⁹ Pool Information

Pool Name	Pool Code
Humble City; Wolfcamp	33510

Additional Well Information

¹¹ Work Type	¹² Well Type	¹³ Cable/Rotary	¹⁴ Lease Type	¹⁵ Ground Level Elevation
P	O	R	S	3739
¹⁶ Multiple	¹⁷ Proposed Depth	¹⁸ Formation	¹⁹ Contractor	²⁰ Spud Date
	PBTD 11270	Wolfcamp		02/11/2022
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits²¹ Proposed Casing and Cement Program

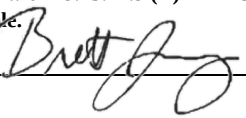
Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	14 3/4	9 5/8	40	2188	1970 sxs C	0
Prod	8 3/4	5 1/2	20	11735	1745 sxs C	0

Casing/Cement Program: Additional Comments

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²² Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular / Double Ram / Pipe	5000 / 10000 / 10000	3000 / 5000 / 5000	Cameron

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC ☐ and/or 19.15.14.9 (B) NMAC ☒ if applicable. Signature:  Printed name: Brett Jennings Title: Regulatory Analyst E-mail Address: Brett.Jennings@matadorresources.com Date: 06/19/2024 Phone: 972-629-2160	OIL CONSERVATION DIVISION	
	Approved By:	
	Title:	
	Approved Date:	Expiration Date:
	Conditions of Approval Attached	

DISTRICT I
1825 N. FRENCH DR., HOBBS, NM 88240
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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, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-49654	Pool Code 33510	Pool Name Humble City; Wolfcamp
Property Code	Property Name TERI 22-17S-37E STATE	Well Number 1
OGRID No. 228937	Operator Name MATADOR PRODUCTION COMPANY	Elevation 3739.7'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	22	17-S	37-E		100	NORTH	1130	EAST	LEA

Bottom 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	22	17-S	37-E		51	NORTH	1344	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

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

NAD83 GRID AZ. - 282°33'52" HORZ. DIST. - 220.0' NAD27 GRID AZ. - 282°33'39" HORZ. DIST. - 220.0' SPACING UNIT		OPERATOR CERTIFICATION I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <i>Reece Clark</i> Date: <i>1/22/24</i> Printed Name: <i>Reece Clark</i> E-mail Address: <i>reece.clark@matadorresources.com</i>	
NAD 83 NME <u>PROPOSED BOTTOM HOLE LOCATION</u> Y=666485.0 N X=878693.8 E LAT.=32.827376° N LONG.=103.235097° W	NAD 83 NME <u>SURFACE LOCATION</u> Y=666437.2 N X=878908.5 E LAT.=32.827238° N LONG.=103.234400° W	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 and correct to the best of my belief. NOVEMBER 22, 2021 Date of Survey	
NAD 27 NME <u>PROPOSED BOTTOM HOLE LOCATION</u> Y=666422.7 N X=837515.0 E LAT.=32.827260° N LONG.=103.234606° W	NAD 27 NME <u>SURFACE LOCATION</u> Y=666374.9 N X=837729.7 E LAT.=32.827122° N LONG.=103.233908° W	Signature & Seal of Professional Surveyor <i>Chad Harcrow</i> 1/19/24 Certificate No. CHAD HARCROW 17777 W.O. #24-51 DRAWN BY: WN	

Matador Resources Company

Lea County, New Mexico (NAD27)

Teri 22-17S-37E State

Well #1

OH

Design: OH

Standard Survey Report

23 February, 2022

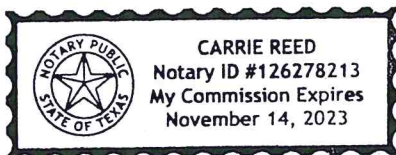
This survey is correct to the best of my knowledge and is supported by actual field data.

Cameron Stevens

Notarized this date 23rd of February, 2022.

Carrie Reed

Notary Signature
County of Midland
State of Texas



Legacy Directional Survey Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Well #1
Project:	Lea County, New Mexico (NAD27)	TVD Reference:	GL 3739.7 + 28.5' KB @ 3768.20usft
Site:	Teri 22-17S-37E State	MD Reference:	GL 3739.7 + 28.5' KB @ 3768.20usft
Well:	Well #1	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14 Single User Db

Project	Lea County, New Mexico (NAD27)		
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		Teri 22-17S-37E State			
Site Position:		Northing:	666,374.90 usft	Latitude:	32° 49' 37.640145 N
From:	Map	Easting:	837,729.70 usft	Longitude:	103° 14' 2.069980 W
Position Uncertainty:		0.00 usft	Slot Radius:	13-3/16 "	

Well	Well #1					
Well Position	+N/-S	0.00 usft	Northing:	666,374.90 usft	Latitude:	32° 49' 37.640145 N
	+E/-W	0.00 usft	Easting:	837,729.70 usft	Longitude:	103° 14' 2.069980 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,739.70 usft
Grid Convergence:		0.60 °				

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	2/9/2022	6.35	60.47	47,813.59402729

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	287.44	

Survey Program	Date	2/23/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
244.00	11,743.00	Legacy MWD (OH)	MWD+IGRF	OWSG MWD + IGRF or WMM	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
244.00	0.84	181.85	243.99	-1.79	-0.06	-0.48	0.34	0.34	0.00	
333.00	0.74	178.10	332.98	-3.01	-0.06	-0.85	0.13	-0.11	-4.21	
430.00	0.69	173.24	429.98	-4.22	0.03	-1.29	0.08	-0.05	-5.01	
613.00	0.46	226.23	612.97	-5.82	-0.37	-1.39	0.30	-0.13	28.96	
704.00	0.34	249.75	703.96	-6.17	-0.89	-1.00	0.22	-0.13	25.85	
795.00	0.31	241.83	794.96	-6.38	-1.36	-0.62	0.06	-0.03	-8.70	
885.00	0.20	200.53	884.96	-6.64	-1.63	-0.44	0.23	-0.12	-45.89	
976.00	0.41	224.61	975.96	-7.02	-1.91	-0.28	0.27	0.23	26.46	
1,066.00	0.40	209.96	1,065.96	-7.52	-2.30	-0.06	0.12	-0.01	-16.28	

Legacy Directional Survey Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Well #1
Project:	Lea County, New Mexico (NAD27)	TVD Reference:	GL 3739.7 + 28.5' KB @ 3768.20usft
Site:	Teri 22-17S-37E State	MD Reference:	GL 3739.7 + 28.5' KB @ 3768.20usft
Well:	Well #1	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,157.00	0.36	222.66	1,156.96	-8.01	-2.65	0.13	0.10	-0.04	13.96
1,248.00	0.43	226.07	1,247.95	-8.45	-3.09	0.41	0.08	0.08	3.75
1,342.00	0.64	236.23	1,341.95	-8.99	-3.78	0.91	0.24	0.22	10.81
1,436.00	0.81	233.32	1,435.94	-9.68	-4.75	1.63	0.18	0.18	-3.10
1,529.00	0.79	233.68	1,528.93	-10.45	-5.79	2.39	0.02	-0.02	0.39
1,624.00	0.84	228.54	1,623.92	-11.30	-6.84	3.14	0.09	0.05	-5.41
1,718.00	0.88	221.51	1,717.91	-12.30	-7.84	3.79	0.12	0.04	-7.48
1,813.00	0.67	216.44	1,812.91	-13.29	-8.65	4.27	0.23	-0.22	-5.34
1,904.00	0.51	220.04	1,903.90	-14.03	-9.23	4.60	0.18	-0.18	3.96
1,998.00	0.66	222.29	1,997.90	-14.75	-9.86	4.98	0.16	0.16	2.39
2,091.00	0.52	224.61	2,090.89	-15.45	-10.52	5.40	0.15	-0.15	2.49
2,250.00	0.13	245.45	2,249.89	-16.04	-11.19	5.87	0.25	-0.25	13.11
2,344.00	0.29	67.24	2,343.89	-15.99	-11.06	5.76	0.45	0.17	-189.59
2,439.00	1.13	324.46	2,438.88	-15.13	-11.39	6.33	1.29	0.88	-108.19
2,534.00	1.09	319.69	2,533.86	-13.68	-12.52	7.84	0.11	-0.04	-5.02
2,628.00	1.11	317.91	2,627.85	-12.32	-13.70	9.38	0.04	0.02	-1.89
2,723.00	1.20	314.55	2,722.83	-10.94	-15.03	11.06	0.12	0.09	-3.54
2,817.00	1.48	318.52	2,816.80	-9.34	-16.54	12.97	0.31	0.30	4.22
2,911.00	1.53	311.49	2,910.77	-7.60	-18.28	15.16	0.20	0.05	-7.48
3,006.00	1.26	315.51	3,005.74	-6.02	-19.96	17.24	0.30	-0.28	4.23
3,101.00	1.30	326.10	3,100.72	-4.38	-21.29	19.00	0.25	0.04	11.15
3,195.00	1.33	335.62	3,194.69	-2.50	-22.34	20.56	0.23	0.03	10.13
3,290.00	1.05	340.08	3,289.67	-0.68	-23.09	21.83	0.31	-0.29	4.69
3,384.00	1.23	288.87	3,383.66	0.46	-24.34	23.36	1.06	0.19	-54.48
3,479.00	1.30	293.49	3,478.63	1.22	-26.29	25.45	0.13	0.07	4.86
3,574.00	1.19	304.26	3,573.61	2.20	-28.10	27.47	0.27	-0.12	11.34
3,669.00	1.18	304.04	3,668.59	3.31	-29.72	29.35	0.01	-0.01	-0.23
3,763.00	1.04	314.76	3,762.57	4.45	-31.13	31.03	0.27	-0.15	11.40
3,858.00	0.88	317.67	3,857.56	5.60	-32.23	32.43	0.18	-0.17	3.06
3,950.00	1.12	302.77	3,949.54	6.60	-33.47	33.91	0.38	0.26	-16.20
4,045.00	1.48	277.27	4,044.52	7.26	-35.46	36.01	0.71	0.38	-26.84
4,139.00	1.44	280.59	4,138.49	7.63	-37.83	38.38	0.10	-0.04	3.53
4,233.00	1.46	276.74	4,232.46	7.99	-40.18	40.73	0.11	0.02	-4.10
4,327.00	1.43	283.81	4,326.43	8.41	-42.51	43.07	0.19	-0.03	7.52
4,421.00	1.30	294.08	4,420.40	9.13	-44.62	45.30	0.29	-0.14	10.93
4,515.00	2.00	291.88	4,514.36	10.17	-47.11	48.00	0.75	0.74	-2.34
4,609.00	2.14	292.64	4,608.30	11.46	-50.26	51.38	0.15	0.15	0.81
4,704.00	1.88	287.55	4,703.24	12.61	-53.38	54.71	0.33	-0.27	-5.36
4,796.00	1.64	287.83	4,795.20	13.47	-56.07	57.53	0.26	-0.26	0.30
4,890.00	1.48	282.61	4,889.17	14.15	-58.54	60.09	0.23	-0.17	-5.55
4,984.00	1.49	280.16	4,983.13	14.63	-60.92	62.51	0.07	0.01	-2.61
5,079.00	2.20	285.59	5,078.09	15.34	-63.90	65.56	0.77	0.75	5.72
5,173.00	2.12	289.96	5,172.02	16.41	-67.27	69.10	0.19	-0.09	4.65

Legacy Directional Survey Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Well #1
Project:	Lea County, New Mexico (NAD27)	TVD Reference:	GL 3739.7 + 28.5' KB @ 3768.20usft
Site:	Teri 22-17S-37E State	MD Reference:	GL 3739.7 + 28.5' KB @ 3768.20usft
Well:	Well #1	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,268.00	1.97	287.35	5,266.96	17.50	-70.48	72.48	0.19	-0.16	-2.75
5,363.00	1.82	287.00	5,361.91	18.43	-73.48	75.63	0.16	-0.16	-0.37
5,457.00	1.91	290.54	5,455.86	19.42	-76.37	78.68	0.16	0.10	3.77
5,552.00	1.89	284.21	5,550.80	20.36	-79.38	81.83	0.22	-0.02	-6.66
5,646.00	1.73	283.99	5,644.76	21.08	-82.26	84.79	0.17	-0.17	-0.23
5,738.00	1.97	282.83	5,736.71	21.77	-85.14	87.75	0.26	0.26	-1.26
5,833.00	1.79	284.14	5,831.66	22.49	-88.18	90.86	0.19	-0.19	1.38
5,927.00	1.82	281.24	5,925.61	23.14	-91.06	93.81	0.10	0.03	-3.09
6,021.00	1.72	285.27	6,019.57	23.80	-93.89	96.71	0.17	-0.11	4.29
6,113.00	1.96	284.93	6,111.52	24.57	-96.74	99.66	0.26	0.26	-0.37
6,208.00	1.93	285.52	6,206.46	25.42	-99.85	102.88	0.04	-0.03	0.62
6,302.00	1.83	282.39	6,300.41	26.16	-102.84	105.96	0.15	-0.11	-3.33
6,397.00	1.78	286.50	6,395.37	26.91	-105.74	108.94	0.15	-0.05	4.33
6,491.00	1.77	286.32	6,489.32	27.73	-108.53	111.85	0.01	-0.01	-0.19
6,585.00	1.82	287.53	6,583.28	28.59	-111.35	114.80	0.07	0.05	1.29
6,679.00	1.94	289.53	6,677.22	29.57	-114.27	117.88	0.15	0.13	2.13
6,773.00	1.93	290.40	6,771.17	30.65	-117.25	121.05	0.03	-0.01	0.93
6,869.00	1.84	291.91	6,867.12	31.79	-120.20	124.20	0.11	-0.09	1.57
6,963.00	1.77	290.26	6,961.07	32.86	-122.96	127.16	0.09	-0.07	-1.76
7,058.00	1.75	291.68	7,056.03	33.90	-125.69	130.07	0.05	-0.02	1.49
7,153.00	1.62	292.81	7,150.99	34.96	-128.27	132.85	0.14	-0.14	1.19
7,247.00	1.62	296.58	7,244.95	36.07	-130.68	135.49	0.11	0.00	4.01
7,342.00	1.53	291.80	7,339.91	37.14	-133.06	138.08	0.17	-0.09	-5.03
7,437.00	1.51	295.08	7,434.88	38.14	-135.37	140.58	0.09	-0.02	3.45
7,531.00	1.45	294.80	7,528.85	39.17	-137.58	142.99	0.06	-0.06	-0.30
7,625.00	1.41	295.64	7,622.82	40.16	-139.70	145.31	0.05	-0.04	0.89
7,720.00	1.36	298.84	7,717.79	41.21	-141.74	147.58	0.10	-0.05	3.37
7,814.00	1.38	304.17	7,811.76	42.39	-143.65	149.75	0.14	0.02	5.67
7,908.00	2.14	278.88	7,905.72	43.29	-146.32	152.57	1.14	0.81	-26.90
8,003.00	2.26	281.35	8,000.65	43.94	-149.91	156.19	0.16	0.13	2.60
8,098.00	2.06	288.86	8,095.58	44.86	-153.36	159.76	0.36	-0.21	7.91
8,192.00	1.89	292.28	8,189.53	45.99	-156.40	162.99	0.22	-0.18	3.64
8,286.00	1.92	297.38	8,283.48	47.30	-159.23	166.09	0.18	0.03	5.43
8,380.00	2.02	274.28	8,377.42	48.15	-162.28	169.25	0.85	0.11	-24.57
8,474.00	2.19	279.62	8,471.36	48.58	-165.70	172.64	0.28	0.18	5.68
8,568.00	2.00	280.53	8,565.30	49.17	-169.09	176.05	0.21	-0.20	0.97
8,661.00	1.87	293.41	8,658.24	50.07	-172.08	179.17	0.49	-0.14	13.85
8,756.00	2.28	257.89	8,753.18	50.29	-175.35	182.36	1.39	0.43	-37.39
8,850.00	2.22	259.61	8,847.11	49.57	-178.96	185.59	0.10	-0.06	1.83
8,944.00	2.18	260.00	8,941.04	48.93	-182.52	188.79	0.05	-0.04	0.41
9,039.00	2.06	262.49	9,035.98	48.40	-185.99	191.94	0.16	-0.13	2.62
9,133.00	2.02	263.81	9,129.92	48.00	-189.31	194.99	0.07	-0.04	1.40
9,228.00	1.94	263.11	9,224.86	47.62	-192.57	197.99	0.09	-0.08	-0.74

Legacy Directional Survey Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Well #1
Project:	Lea County, New Mexico (NAD27)	TVD Reference:	GL 3739.7 + 28.5' KB @ 3768.20usft
Site:	Teri 22-17S-37E State	MD Reference:	GL 3739.7 + 28.5' KB @ 3768.20usft
Well:	Well #1	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,323.00	1.90	263.05	9,319.81	47.24	-195.73	200.89	0.04	-0.04	-0.06
9,417.00	1.98	266.41	9,413.75	46.95	-198.90	203.83	0.15	0.09	3.57
9,511.00	1.96	264.34	9,507.70	46.69	-202.12	206.82	0.08	-0.02	-2.20
9,606.00	1.97	268.31	9,602.64	46.48	-205.37	209.86	0.14	0.01	4.18
9,701.00	1.89	269.68	9,697.59	46.43	-208.57	212.89	0.10	-0.08	1.44
9,795.00	1.83	266.02	9,791.54	46.31	-211.61	215.77	0.14	-0.06	-3.89
9,889.00	0.90	214.88	9,885.51	45.60	-213.53	217.38	1.54	-0.99	-54.40
9,983.00	0.89	218.63	9,979.50	44.43	-214.41	217.87	0.06	-0.01	3.99
10,078.00	0.89	232.04	10,074.49	43.40	-215.45	218.55	0.22	0.00	14.12
10,172.00	0.94	230.83	10,168.48	42.46	-216.63	219.39	0.06	0.05	-1.29
10,265.00	0.93	233.82	10,261.47	41.53	-217.83	220.26	0.05	-0.01	3.22
10,360.00	0.79	241.45	10,356.46	40.77	-219.02	221.17	0.19	-0.15	8.03
10,455.00	0.80	241.31	10,451.45	40.13	-220.18	222.09	0.01	0.01	-0.15
10,548.00	1.03	232.13	10,544.44	39.31	-221.41	223.01	0.29	0.25	-9.87
10,643.00	0.98	232.21	10,639.42	38.29	-222.73	223.96	0.05	-0.05	0.08
10,738.00	0.87	243.92	10,734.41	37.47	-224.02	224.95	0.23	-0.12	12.33
10,832.00	0.93	232.45	10,828.40	36.69	-225.26	225.90	0.20	0.06	-12.20
10,927.00	0.97	226.35	10,923.38	35.67	-226.46	226.73	0.11	0.04	-6.42
11,022.00	1.07	237.46	11,018.37	34.64	-227.79	227.69	0.23	0.11	11.69
11,116.00	1.53	242.05	11,112.34	33.58	-229.63	229.14	0.50	0.49	4.88
11,203.04	1.42	225.48	11,199.36	32.27	-231.43	230.46	0.50	-0.12	-19.04
VP - Teri 22-17S-37E State #1									
11,211.00	1.42	223.87	11,207.31	32.13	-231.57	230.55	0.50	-0.04	-20.23
11,272.70	1.48	180.53	11,269.00	30.78	-232.11	230.66	1.74	0.10	-70.24
Top of Strawn Teri 22-17S-37E State #1									
11,306.00	1.80	163.54	11,302.28	29.85	-231.96	230.25	1.74	0.96	-51.03
11,372.00	1.73	164.37	11,368.25	27.90	-231.40	229.12	0.11	-0.11	1.26
11,400.00	1.45	175.08	11,396.24	27.14	-231.26	228.76	1.45	-1.00	38.25
11,432.69	1.40	172.91	11,428.92	26.33	-231.17	228.44	0.23	-0.16	-6.63
Base of Strawn Teri 22-17S-37E State #1									
11,495.00	1.30	168.30	11,491.21	24.89	-230.94	227.78	0.23	-0.15	-7.40
11,590.00	1.45	204.23	11,586.19	22.74	-231.21	227.39	0.91	0.16	37.82
11,652.81	1.37	219.46	11,648.97	21.43	-232.01	227.77	0.61	-0.13	24.26
BHL - Teri 22-17S-37E State #1									
11,685.00	1.37	227.66	11,681.16	20.87	-232.54	228.11	0.61	0.00	25.46
Last Survey 11685.00 MD / 11681.16 TVD									
11,743.00	1.37	227.66	11,739.14	19.94	-233.57	228.81	0.00	0.00	0.00
PTB 11743.00 MD / 11739.14 TVD									

Legacy Directional
Survey Report

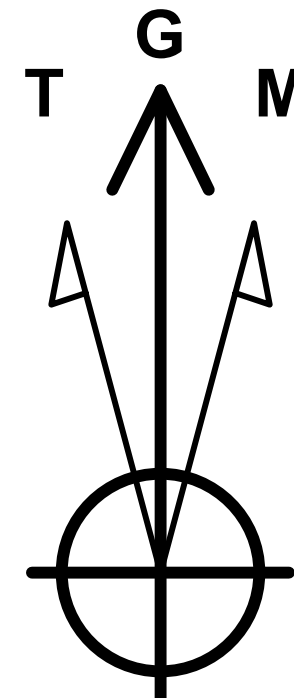
Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Well #1
Project:	Lea County, New Mexico (NAD27)	TVD Reference:	GL 3739.7 + 28.5' KB @ 3768.20usft
Site:	Teri 22-17S-37E State	MD Reference:	GL 3739.7 + 28.5' KB @ 3768.20usft
Well:	Well #1	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14 Single User Db

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
11,685.00	11,681.16	20.87	-232.54	Last Survey 11685.00 MD / 11681.16 TVD	
11,743.00	11,739.14	19.94	-233.57	PTB 11743.00 MD / 11739.14 TVD	

Checked By: _____

Approved By: _____

Date: _____



Magnetic Field
Strength: 47813.6nT
Dip Angle: 60.47°
Date: 2/9/2022
Model: IGRF2020

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



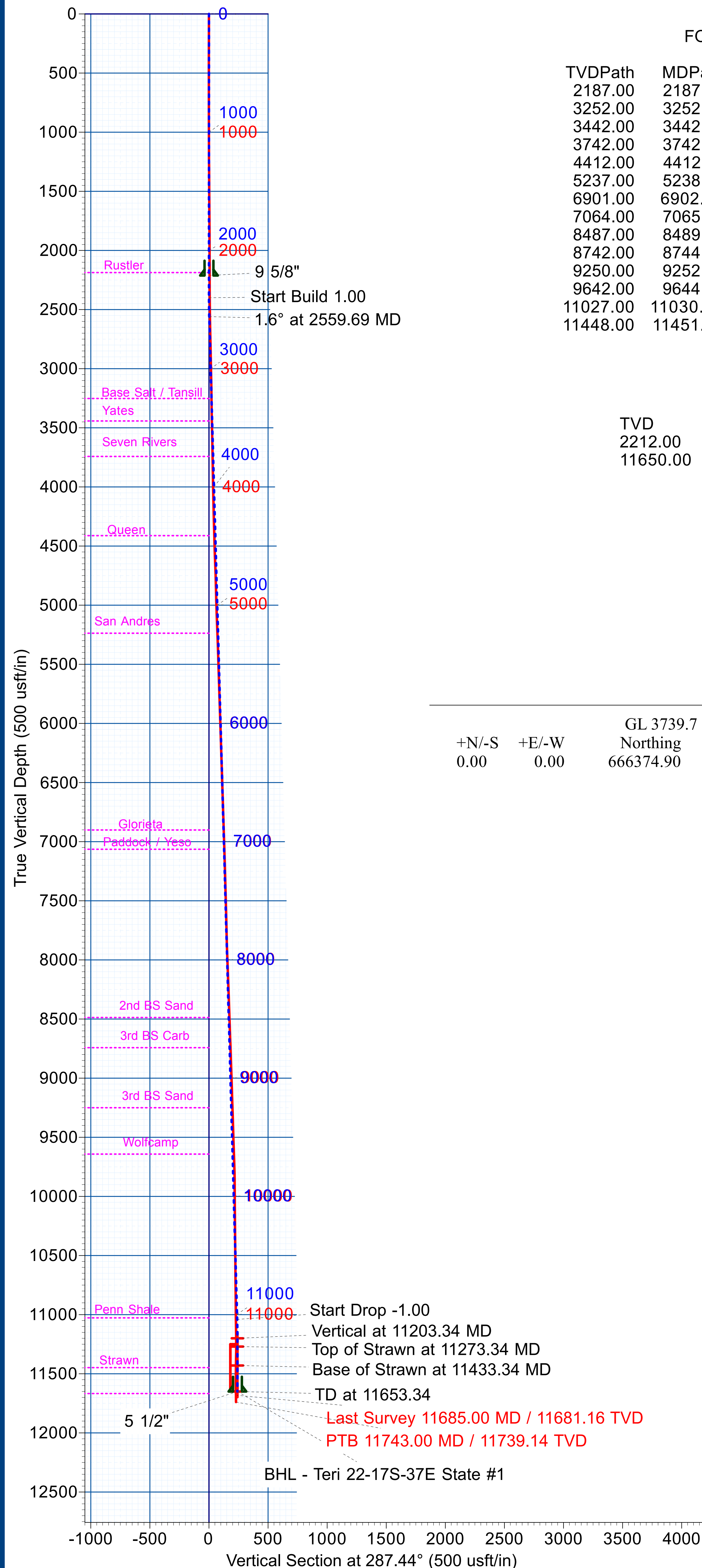
Target: 60' Radius from 107.4° Azi to 197.40° Azimuth

Company: Matador Resources Company
Field: Lea County, New Mexico (NAD27)
Location: Teri 22-17S-37E State
Well: Well #1
OH
Plan: Plan 4
39.7 + 28.5' KB @ 3768.20usft

Rig: Patterson 298

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
VP - Teri 22-17S-37E State #1	11200.00	72.20	-229.80	666447.10	837499.90° 49'	38.37810708° 14'	4.753834 W
Top of Strawn Teri 22-17S-37E State #1	11270.00	72.20	-229.80	666447.10	837499.90° 49'	38.37810708° 14'	4.753834 W
Base of Strawn Teri 22-17S-37E State #1	11430.00	72.20	-229.80	666447.10	837499.90° 49'	38.37810708° 14'	4.753834 W
BHL - Teri 22-17S-37E State #1	11650.00	72.20	-229.80	666447.10	837499.90° 49'	38.37810708° 14'	4.753834 W



FORMATION TOP DETAILS

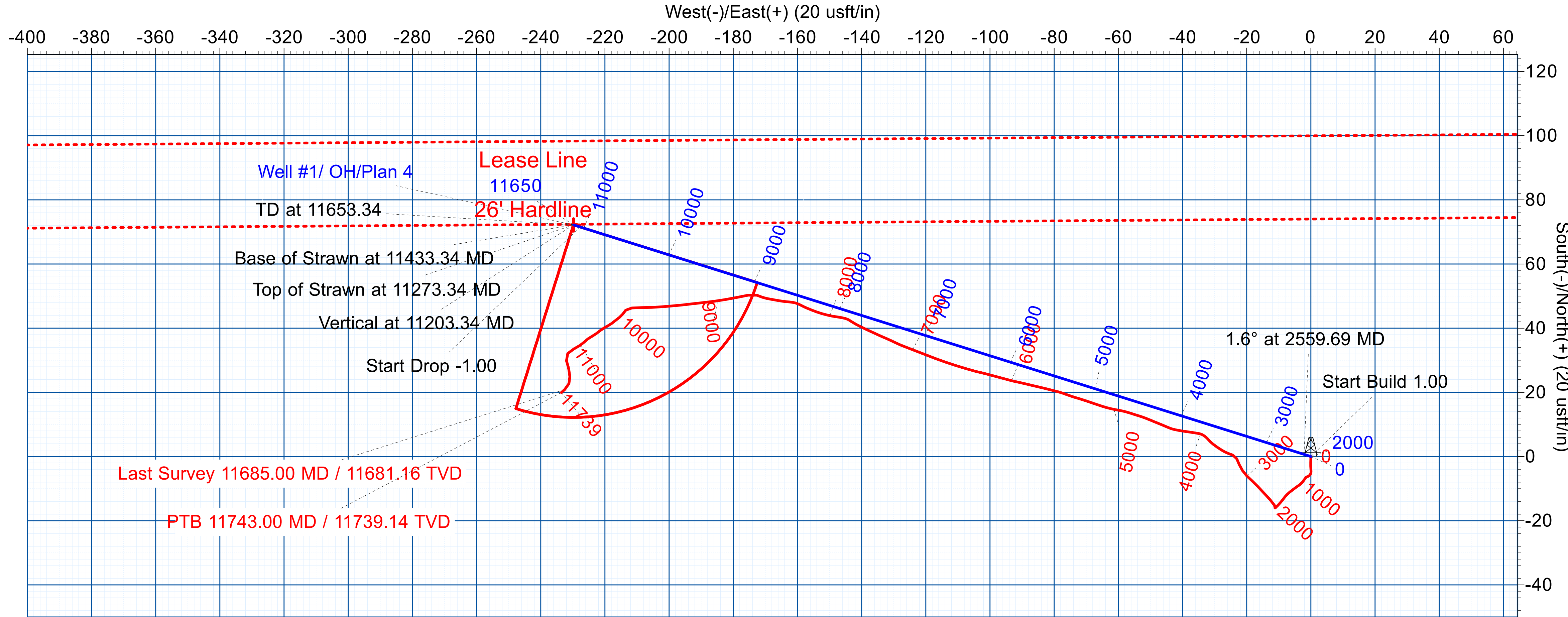
TVDPath	MDPath	Formation
2187.00	2187.00	Rustler
3252.00	3252.29	Base Salt / Tansil
3442.00	3442.36	Yates
3742.00	3742.48	Seven Rivers
4412.00	4412.74	Queen
5237.00	5238.06	San Andres
6901.00	6902.71	Glorietta
7064.00	7065.77	Paddock / Yeso
8487.00	8489.32	2nd BS Sand
8742.00	8744.42	3rd BS Carb
9250.00	9252.62	3rd BS Sand
9642.00	9644.77	Wolfcamp
11027.00	11030.31	Penn Shale
11448.00	11451.34	Strawn

CASING DETAILS

TVD	MD	Name	Size
2212.00	2212.00	9 5/8"	9-5/8
11650.00	11653.34	5 1/2"	5-1/2

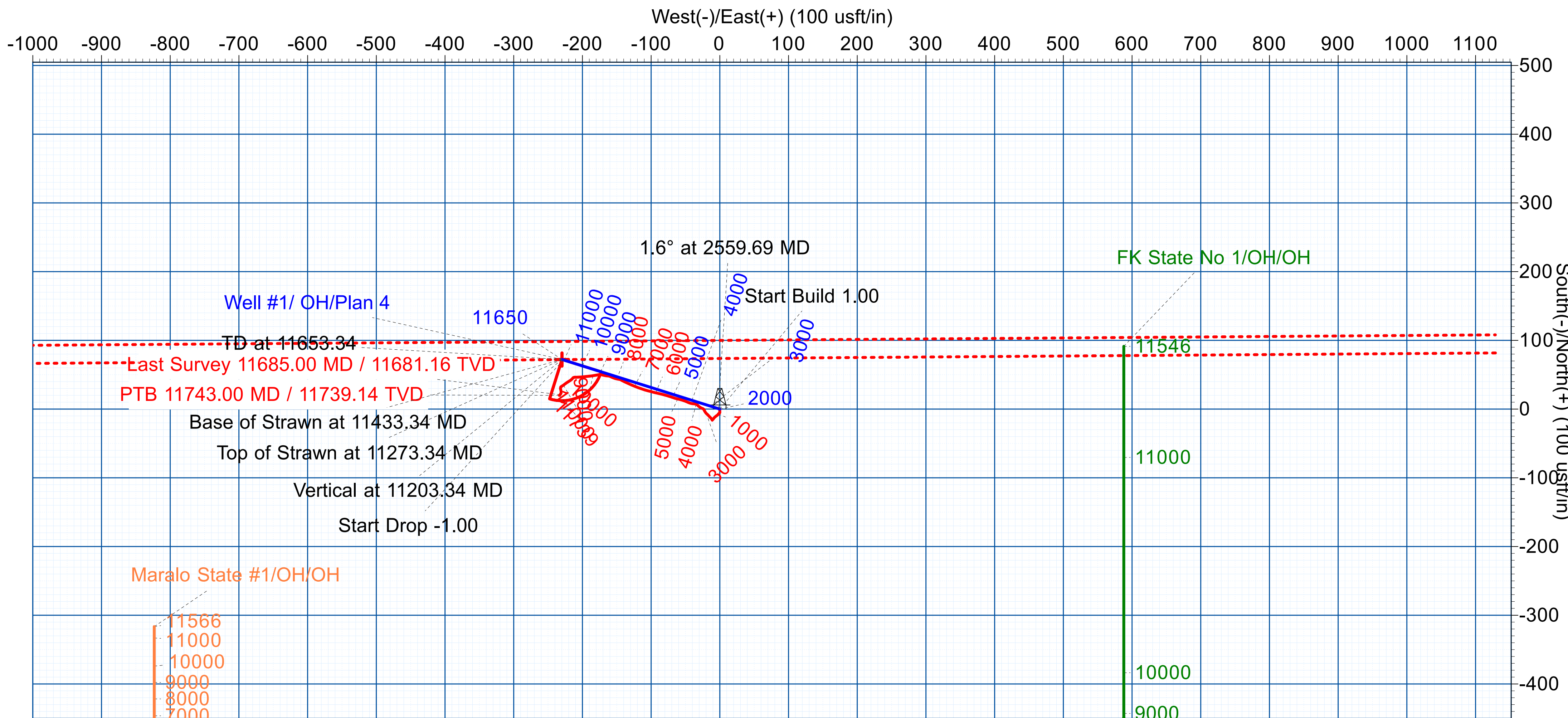
WELL DETAILS: Well #1

		GL 3739.7 + 28.5' KB @ 3768.20usft		3739.70
+N/-S	+E/-W	Northing	Easting	Latitude Longitude
0.00	0.00	666374.90	8377292.40	37.640145 N 14° 2.069980 W



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSet	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
2	2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	0.00		Start Build 1.00
3	2559.69	1.60	287.44	2559.67	0.67	-2.12	1.00	287.44	2.23		1.6° at 2559.69 MD
4	11043.65	1.60	287.44	11040.33	71.53	-227.68	0.00	0.00	238.65		Start Drop -1.00
5	11203.34	0.00	0.00	11200.00	72.20	-229.80	1.00	180.00	240.88		Vertical at 11203.34 MD
6	11273.34	0.00	0.00	11270.00	72.20	-229.80	0.00	0.00	240.88	Top of Strawn Teri 22-17S-37E State #1	Top of Strawn at 11273.34 MD
7	11433.34	0.00	0.00	11430.00	72.20	-229.80	0.00	0.00	240.88	Base of Strawn Teri 22-17S-37E State #1	Base of Strawn at 11433.34 MD
8	11653.34	0.00	0.00	11650.00	72.20	-229.80	0.00	0.00	240.88	BHL - Teri 22-17S-37E State #1	TD at 11653.34



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 284020

ACKNOWLEDGMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 284020
	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.

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

CONDITIONS

Action 284020

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 284020
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	7/3/2024