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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

Form C-101
August 1, 2011

Permit 375528

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

1. Operator Name and Address		2. OGRID Number
CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706		4323
		3. API Number 30-025-53832
4. Property Code 336444	5. Property Name MR 2 STATE COM	6. Well No. 610H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	2	24S	32E	C	441	N	2574	W	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	2	24S	32E	P	25	S	1170	E	Lea

9. Pool Information

WC-025 G-08 S243217P;UPR WOLFCAMP	98248

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		State	3622
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	17449	Wolfcamp		5/1/2026
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 pits**

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	1220	650	0
Int1	12.25	9.625	40	5061	990	0
Prod	8.75	7	29	11908	664	0
Liner1	6.125	5	18	12358	445	11708
Liner1	6.125	4.5	11.6	17449	445	11708

Casing/Cement Program: Additional Comments

Liner cement sacks is for both Liner 1 and Liner 2.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. **I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.** Signature:			**OIL CONSERVATION DIVISION**		
Printed Name:	Electronically filed by Cindy Herrera-Murillo		Approved By:	Paul F Kautz	
Title:	Sr. HES Regulatory Affairs Coordinator		Title:	Geologist	
Email Address:	eeof@chevron.com		Approved Date:	11/4/2024	Expiration Date: 11/4/2026
Date:	10/22/2024	Phone: 575-263-0431	Conditions of Approval Attached		

Santa Fe Main Office
Phone: (505) 476-3441 Fax: (55) 476-3462
General Information
Phone: (505) 629-6116

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

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

C-102
Revised July 9, 2024
Submit Electronically via OCD Permitting

Submittal Type:	
	☒ Initial Submittal
	☐ Amended Report
	☐ As Drilled

WELL LOCATION INFORMATION

API Number - PENDING	Pool Code 98248	Pool Name WC-025 G-08 S243217P;UPR WOLFCAMP
Property Code - PENDING	Property Name MR 2 STATE COM	Well Number 610H
OGRID No. 4323	Operator Name CHEVRON U.S.A. INC.	Ground Level Elevation 3622'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal	Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal	

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
C	2	24 SOUTH	32 EAST, N.M.P.M.	N/A	441' NORTH	2574' WEST	32.252673° N	103.645637° W	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	2	24 SOUTH	32 EAST, N.M.P.M.	N/A	25' SOUTH	1170' EAST	32.239502° N	103.640599° W	LEA

Dedicated Acres 320	Infill or Defining Well DEFINING	Defining Well API PENDING-MR 2 State Com 610H	Overlapping Spacing Unit (Y/N) No	Consolidation Code N/A
Order Numbers - PENDING			Well setbacks are under Common Ownership: ☒Yes ☐No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	2	24 SOUTH	32 EAST, N.M.P.M.	N/A	25' NORTH	1170' EAST	32.253834° N	103.640650° W	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	2	24 SOUTH	32 EAST, N.M.P.M.	N/A	25' NORTH	1170' EAST	32.253834° N	103.640650° W	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	2	24 SOUTH	32 EAST, N.M.P.M.	N/A	100' SOUTH	1170' EAST	32.239708° N	103.640600° W	LEA

Unitized Area or Area of Uniform Interest PENDING	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3622'

OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Jennifer Smith 10/21/2024
Signature Date

JENNIFER SMITH
Printed Name

JHIO@CHEVRON.COM
Email Address

SURVEYOR CERTIFICATIONS

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.

See Sheet 2 of 2 for plat.

ROBERT L. LASTRAPES NEW MEXICO 23006 PROFESSIONAL SURVEYOR

10/11/2024
Signature and Seal of Professional Surveyor

Certificate Number

01/25/2024
Date of Survey

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ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

See Sheet 1 of 2 for notes & certification.

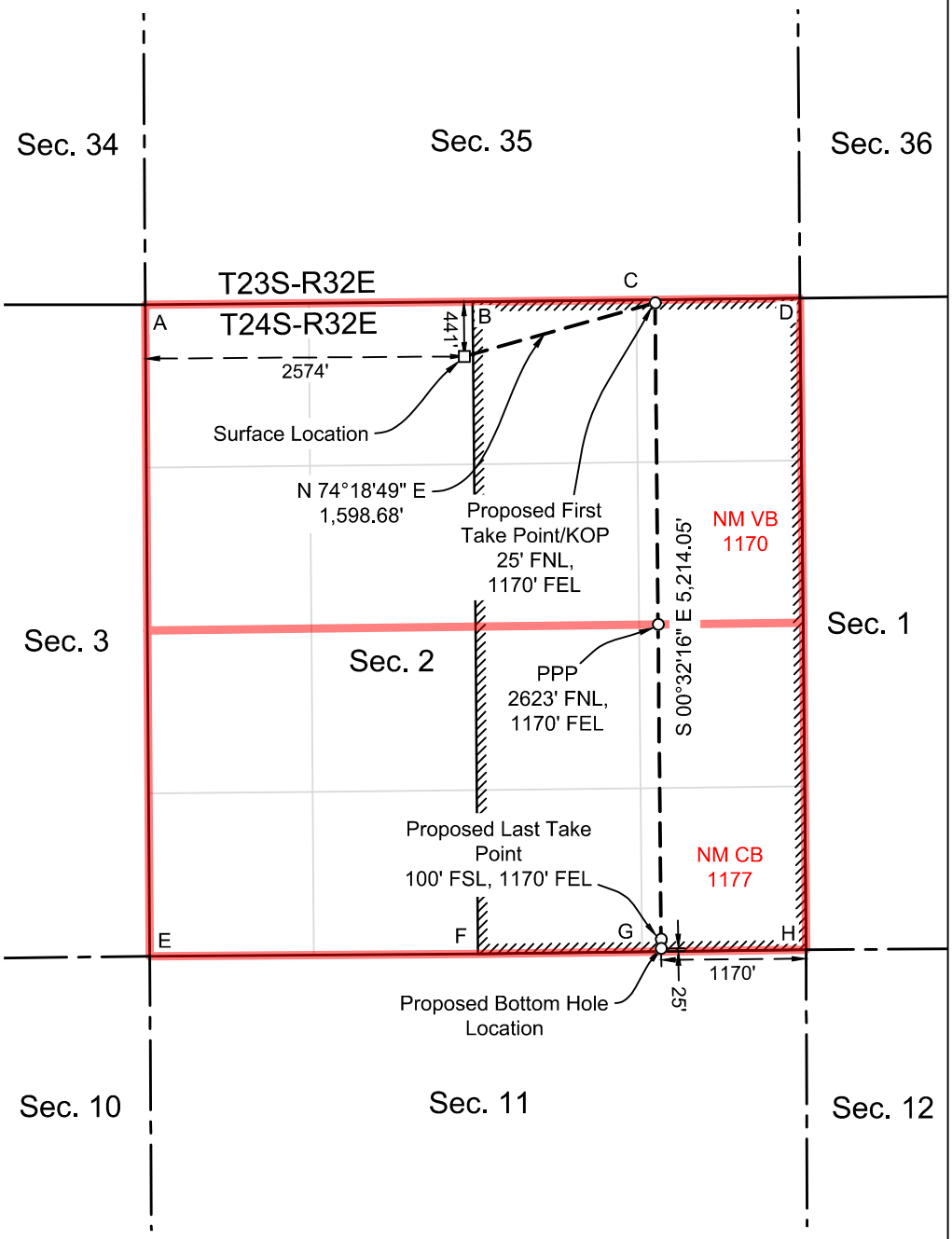
MR 2 STATE COM NO. 610H WELL
X = 712,746.91' (NAD27 NM E)
Y = 456,277.86'
LAT. 32.252550° N (NAD27)
LONG. 103.645155° W
X = 753,930.65' (NAD83/2011 NM E)
Y = 456,336.66'
LAT. 32.252673° N (NAD83/2011)
LONG. 103.645637° W

PROPOSED FIRST TAKE POINT/KOP
X = 714,286.05' (NAD27 NM E)
Y = 456,710.09'
LAT. 32.253711° N (NAD27)
LONG. 103.640168° W
X = 755,469.78' (NAD83/2011 NM E)
Y = 456,768.89'
LAT. 32.253834° N (NAD83/2011)
LONG. 103.640650° W

PPP
X = 714,310.43' (NAD27 NM E)
Y = 454,112.44'
LAT. 32.246571° N (NAD27)
LONG. 103.640143° W
X = 755,494.26' (NAD83/2011 NM E)
Y = 454,171.18'
LAT. 32.246693° N (NAD83/2011)
LONG. 103.640625° W

PROPOSED LAST TAKE POINT
X = 714,334.28' (NAD27 NM E)
Y = 451,571.27'
LAT. 32.239585° N (NAD27)
LONG. 103.640119° W
X = 755,518.22' (NAD83/2011 NM E)
Y = 451,629.95'
LAT. 32.239708° N (NAD83/2011)
LONG. 103.640600° W

PROPOSED BOTTOM HOLE LOCATION
X = 714,334.98' (NAD27 NM E)
Y = 451,496.27'
LAT. 32.239379° N (NAD27)
LONG. 103.640119° W
X = 755,518.93' (NAD83/2011 NM E)
Y = 451,554.96'
LAT. 32.239502° N (NAD83/2011)
LONG. 103.640599° W



CORNER COORDINATES
TABLE (NAD 27)
A - X=710169.71, Y=456694.99
B - X=712812.79, Y=456719.65
C - X=714134.27, Y=456733.50
D - X=715455.75, Y=456747.36
E - X=710206.16, Y=451432.85
F - X=712855.10, Y=451453.36
G - X=714180.15, Y=451469.39
H - X=715505.20, Y=451485.43

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

Form APD Comments

Permit 375528

PERMIT COMMENTS

Operator Name and Address:	API Number:
CHEVRON U S A INC [4323] 6301 Deauville Blvd Midland, TX 79706	30-025-53832
	Well: MR 2 STATE COM #610H

Created By	Comment	Comment Date
pkautz	HOLD NGMP IS INCOMPLETE	10/28/2024

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Form APD Conditions

Permit 375528

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
CHEVRON U S A INC [4323] 6301 Deauville Blvd Midland, TX 79706	30-025-53832
	Well: MR 2 STATE COM #610H

OCD Reviewer	Condition
pkautz	Notify OCD 24 hours prior to casing & cement
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
pkautz	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing
pkautz	If cement does not circulate on any string, a CBL is required for that string of casing
pkautz	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud

MR 2 State Com No. 610H R0 mdv 09Jul24 Proposal Geodetic Report

Def Plan

Report Date:	July 10, 2024 - 07:51 PM (UTC 0)	**Survey / DLS Computation:**	Minimum Curvature / Lubinski
Client:	Chevron	**Vertical Section Azimuth:**	179.460 °(GRID North)
Field:	NM, Lea County (NAD 27 EZ)	**Vertical Section Origin:**	0.000 ft, 0.000 ft
Structure / Slot:	Chevron MR Pad 604 / 610H	**TVD Reference Datum:**	RKB
Well:	MR 2 State Com No. 610H	**TVD Reference Elevation:**	3650.000 ft above MSL
Borehole:	MR 2 State Com No. 610H	**Seabed / Ground Elevation:**	3622.000 ft above MSL
UBHI / API#:	Unknown / Unknown	**Magnetic Declination:**	6.267°
Survey Name:	MR 2 State Com No. 610H R0 mdv 09Jul24	**Total Gravity Field Strength:**	998.4386mgn (9.80665 Based)
Survey Date:	July 10, 2024	**Gravity Model:**	GARM
Tort / AHD / DDI / ERD Ratio:	122.001 ° / 6813.008 ft / 6.073 / 0.555	**Total Magnetic Field Strength:**	47474.126 nT
Coordinate Reference System:	NAD27 New Mexico State Plane, Eastern Zone, US Feet	**Magnetic Dip Angle:**	59.807°
Location Lat / Long:	32°15'9.18156"N , 103°38'42.55963"W	**Declination Date:**	July 28, 2023
Location Grid N/E Y/X:	N 456277.860 ftUS , E 712746.910 ftUS	**Magnetic Declination Model:**	HDGM 2023
CRS Grid Convergence Angle:	0.367°	**North Reference:**	Grid North
Grid Scale Factor:	0.99996093(Applied)	**Grid Convergence Used:**	0.367°
Version / Patch:	2024.3.0.6	**Total Corr Mag North->Grid North:**	5.899°
		Local Coord Referenced To:	Well Head

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
Surface	0.00	0.00	74.31	0.00	-3,650.00	0.00	0.00	0.00		456,277.86	712,746.91	32.25255043	-103.64515545
	100.00	0.00	74.31	100.00	-3,550.00	0.00	0.00	0.00	0.00	456,277.86	712,746.91	32.25255043	-103.64515545
	200.00	0.00	74.31	200.00	-3,450.00	0.00	0.00	0.00	0.00	456,277.86	712,746.91	32.25255043	-103.64515545
	300.00	0.00	74.31	300.00	-3,350.00	0.00	0.00	0.00	0.00	456,277.86	712,746.91	32.25255043	-103.64515545
	400.00	0.00	74.31	400.00	-3,250.00	0.00	0.00	0.00	0.00	456,277.86	712,746.91	32.25255043	-103.64515545
	500.00	0.00	74.31	500.00	-3,150.00	0.00	0.00	0.00	0.00	456,277.86	712,746.91	32.25255043	-103.64515545
Build 1.5°/100ft	600.00	0.00	74.31	600.00	-3,050.00	0.00	0.00	0.00	0.00	456,277.86	712,746.91	32.25255043	-103.64515545
	700.00	1.50	74.31	699.99	-2,950.01	-0.34	0.35	1.26	1.50	456,278.21	712,748.17	32.25255139	-103.64515137
	800.00	3.00	74.31	799.91	-2,850.09	-1.37	1.42	5.04	1.50	456,279.28	712,751.95	32.25255424	-103.64513912
	900.00	4.50	74.31	899.69	-2,750.31	-3.08	3.18	11.34	1.50	456,281.04	712,758.25	32.25255899	-103.64511872
	1,000.00	6.00	74.31	999.27	-2,650.73	-5.47	5.66	20.15	1.50	456,283.52	712,767.05	32.25256563	-103.64509018
	1,100.00	7.50	74.31	1,098.57	-2,551.43	-8.54	8.84	31.46	1.50	456,286.69	712,778.37	32.25257416	-103.64505351
	1,200.00	9.00	74.31	1,197.54	-2,452.46	-12.29	12.71	45.28	1.50	456,290.57	712,792.18	32.25258458	-103.64500875
Rustler (RSLR)	1,204.52	9.07	74.31	1,202.00	-2,448.00	-12.47	12.91	45.96	1.50	456,290.77	712,792.87	32.25258510	-103.64500654
	1,300.00	10.50	74.31	1,296.09	-2,353.91	-16.71	17.29	61.58	1.50	456,295.15	712,808.49	32.25259688	-103.64495592
	1,400.00	12.00	74.31	1,394.16	-2,255.84	-21.81	22.57	80.36	1.50	456,300.43	712,827.27	32.25261105	-103.64489506
	1,500.00	13.50	74.31	1,491.70	-2,158.30	-27.58	28.53	101.61	1.50	456,306.39	712,848.51	32.25262708	-103.64482622
Saldo (SLDO)	1,579.71	14.70	74.31	1,569.00	-2,081.00	-32.65	33.78	120.30	1.50	456,311.64	712,867.20	32.25264117	-103.64476566
	1,600.00	15.00	74.31	1,588.62	-2,061.38	-34.01	35.19	125.31	1.50	456,313.05	712,872.21	32.25264495	-103.64474943
Hold	1,666.69	16.00	74.31	1,652.88	-1,997.12	-38.66	40.01	142.46	1.50	456,317.87	712,889.37	32.25265789	-103.64469384
	1,700.00	16.00	74.31	1,684.90	-1,965.10	-41.06	42.49	151.30	0.00	456,320.35	712,898.21	32.25266456	-103.64466519
	1,800.00	16.00	74.31	1,781.03	-1,868.97	-48.26	49.94	177.84	0.00	456,327.80	712,924.74	32.25268458	-103.64457921
	1,900.00	16.00	74.31	1,877.15	-1,772.85	-55.47	57.40	204.38	0.00	456,335.25	712,951.28	32.25270459	-103.64449322
	2,000.00	16.00	74.31	1,973.28	-1,676.72	-62.67	64.85	230.92	0.00	456,342.70	712,977.82	32.25272461	-103.64440723
	2,100.00	16.00	74.31	2,069.40	-1,580.60	-69.87	72.30	257.46	0.00	456,350.16	713,004.35	32.25274462	-103.64432124
	2,200.00	16.00	74.31	2,165.53	-1,484.47	-77.07	79.75	283.99	0.00	456,357.61	713,030.89	32.25276464	-103.64423525
	2,300.00	16.00	74.31	2,261.66	-1,388.34	-84.27	87.21	310.53	0.00	456,365.06	713,057.43	32.25278466	-103.64414926
	2,400.00	16.00	74.31	2,357.78	-1,292.22	-91.48	94.66	337.07	0.00	456,372.51	713,083.96	32.25280467	-103.64406328
	2,500.00	16.00	74.31	2,453.91	-1,196.09	-98.68	102.11	363.61	0.00	456,379.97	713,110.50	32.25282469	-103.64397729
	2,600.00	16.00	74.31	2,550.03	-1,099.97	-105.88	109.56	390.14	0.00	456,387.42	713,137.04	32.25284471	-103.64389130
	2,700.00	16.00	74.31	2,646.16	-1,003.84	-113.08	117.01	416.68	0.00	456,394.87	713,163.57	32.25286472	-103.64380531
	2,800.00	16.00	74.31	2,742.29	-907.71	-120.28	124.47	443.22	0.00	456,402.32	713,190.11	32.25288474	-103.64371932
	2,900.00	16.00	74.31	2,838.41	-811.59	-127.49	131.92	469.76	0.00	456,409.77	713,216.65	32.25290475	-103.64363333
	3,000.00	16.00	74.31	2,934.54	-715.46	-134.69	139.37	496.29	0.00	456,417.23	713,243.18	32.25292477	-103.64354734
	3,100.00	16.00	74.31	3,030.66	-619.34	-141.89	146.82	522.83	0.00	456,424.68	713,269.72	32.25294478	-103.64346136
	3,200.00	16.00	74.31	3,126.79	-523.21	-149.09	154.28	549.37	0.00	456,432.13	713,296.26	32.25296480	-103.64337537
	3,300.00	16.00	74.31	3,222.92	-427.08	-156.29	161.73	575.91	0.00	456,439.58	713,322.79	32.25298482	-103.64328938
	3,400.00	16.00	74.31	3,319.04	-330.96	-163.50	169.18	602.45	0.00	456,447.04	713,349.33	32.25300483	-103.64320339
	3,500.00	16.00	74.31	3,415.17	-234.83	-170.70	176.63	628.98	0.00	456,454.49	713,375.87	32.25302485	-103.64311740
Castile (CSTL)	3,565.36	16.00	74.31	3,478.00	-172.00	-175.41	181.51	646.33	0.00	456,459.36	713,393.21	32.25303793	-103.64306119
	3,600.00	16.00	74.31	3,511.29	-138.71	-177.90	184.09	655.52	0.00	456,461.94	713,402.40	32.25304486	-103.64303141
	3,700.00	16.00	74.31	3,607.42	-42.58	-185.10	191.54	682.06	0.00	456,469.39	713,428.94	32.25306488	-103.64294542
	3,800.00	16.00	74.31	3,703.55	53.55	-192.31	198.99	708.60	0.00	456,476.84	713,455.48	32.25308489	-103.64285943
	3,900.00	16.00	74.31	3,799.67	149.67	-199.51	206.44	735.13	0.00	456,484.30	713,482.01	32.25310491	-103.64277345
	4,000.00	16.00	74.31	3,895.80	245.80	-206.71	213.90	761.67	0.00	456,491.75	713,508.55	32.25312492	-103.64268746
	4,100.00	16.00	74.31	3,991.92	341.92	-213.91	221.35	788.21	0.00	456,499.20	713,535.09	32.25314494	-103.64260147
	4,200.00	16.00	74.31	4,088.05	438.05	-221.11	228.80	814.75	0.00	456,506.65	713,561.62	32.25316495	-103.64251548
	4,300.00	16.00	74.31	4,184.18	534.18	-228.32	236.25	841.29	0.00	456,514.10	713,588.16	32.25318497	-103.64242949
	4,400.00	16.00	74.31	4,280.30	630.30	-235.52	243.71	867.82	0.00	456,521.56	713,614.70	32.25320498	-103.64234350
	4,500.00	16.00	74.31	4,376.43	726.43	-242.72	251.16	894.36	0.00	456,529.01	713,641.23	32.25322500	-103.64225751
	4,600.00	16.00	74.31	4,472.55	822.55	-249.92	258.61	920.90	0.00	456,536.46	713,667.77	32.25324501	-103.64217152
	4,700.00	16.00	74.31	4,568.68	918.68	-257.12	266.06	947.44	0.00	456,543.91	713,694.31	32.25326503	-103.64208553
	4,800.00	16.00	74.31	4,664.81	1,014.81	-264.33	273.52	973.97	0.00	456,551.37	713,720.84	32.25328504	-103.64199954
	4,900.00	16.00	74.31	4,760.93	1,110.93	-271.53	280.97	1,000.51	0.00	456,558.82	713,747.38	32.25330506	-103.64191355
	5,000.00	16.00	74.31	4,857.06	1,207.06	-278.73	288.42	1,027.05	0.00	456,566.27	713,773.92	32.25332507	-103.64182757
Lamar (LMAR)	5,081.08	16.00	74.31	4,935.00	1,285.00	-284.57	294.46	1,048.57	0.00	456,572.31	713,795.43	32.25334130	-103.64175784
	5,100.00	16.00	74.31	4,953.18	1,303.18	-285.93	295.87	1,053.59	0.00	456,573.72	713,800.45	32.25334509	-103.64174158
Bell Canyon (BEL)	5,131.02	16.00	74.31	4,983.00	1,333.00	-288.17	298.19	1,061.82	0.00	456,576.03	713,808.68	32.25335129	-103.64171490
	5,200.00	16.00	74.31	5,049.31	1,399.31	-293.13	303.33	1,080.12	0.00	456,581.17	713,826.99	32.25336510	-103.64165559
	5,300.00	16.00	74.31	5,145.44	1,495.44	-300.34	310.78	1,106.66	0.00	456,588.63	713,853.53	32.25338511	-103.64156960
	5,400.00	16.00	74.31	5,241.56	1,591.56	-307.54	318.23	1,133.20	0.00	456,596.08	713,880.06	32.25340513	-103.64148361
	5,500.00	16.00	74.31	5,337.69	1,687.69	-314.74	325.68	1,159.74	0.00	456,603.53	713,906.60	32.25342514	-103.64139762
	5,600.00	16.00	74.31	5,433.81	1,783.81	-321.94	333.14	1,186.28	0.00	456,610.98	713,933.14	32.25344516	-103.64131163
	5,700.00	16.00	74.31	5,529.94	1,879.94	-329.14	340.59	1,212.81	0.00	456,618.44	713,959.67	32.25346517	-103.64122564
	5,800.00	16.00	74.31	5,626.07	1,976.07	-336.35	348.04	1,239.35	0.00	456,625.89	713,986.21	32.25348519	-103.64113965
	5,900.00	16.00	74.31	5,722.19	2,072.19	-343.55	355.49	1,265.89	0.00	456,633.34	714,012.75	32.25350520	-103.64105366
	6,000.00	16.00	74.31	5,818.32	2,168.32	-350.75	362.95	1,292.43	0.00	456,640.79	714,039.28	32.25352521	-103.64096767
Cherry Canyon (CHR)	6,002.79	16.00	74.31	5,821.00	2,171.00	-350.95	363.15	1,293.17	0.00	456,641.00	714,040.02	32.25352577	-103.64096527
	6,100.00	16.00	74.31	5,914.44	2,264.44	-357.95	370.40	1,318.96	0.00	456,648.24	714,065.82	32.25354523	-103.64088168
	6,200.00	16.00	74.31	6,010.57	2,360.57	-365.15	377.85	1,345.50	0.00	456,655.70	714,092.36	32.25356524	-103.64079569
	6,300.00	16.00	74.31	6,106.70	2,456.70	-372.36	385.30	1,372.04	0.00	456,663.15	714,118.89	32.25358526	-103.64070970
Drop 1.5°/100ft	6,393.07	16.00	74.31	6,196.16	2,546.16	-379.06	392.24	1,396.74	0.00	456,670.08	714,143.59	32.25360388	-103.64062967
	6,400.00	15.90	74.31	6,202.82	2,552.82	-379.56	392.75	1,398.57	1.50	456,670.60	714,145.42	32.25360526	-103.64062373
	6,500.00	14.40	74.31	6,299.35	2,649.35	-386.38	399.82	1,423.73	1.50	456,677.66	714,170.58	32.25362424	-103.64054222
	6,600.00	12.90	74.31	6,396.52	2,746.52	-392.55	406.20	1,446.44	1.50	456,684.04	714,193.29	32.25364137	-103.64046862
	6,700.00	11.40	74.31	6,494.28	2,844.28	-398.04	411.89	1,466.70	1.50	456,689.73	714,213.55	32.25365664	-103.64040298
	6,800.00	9.90	74.31	6,592.56	2,942.56	-402.87	416.88	1,484.48	1.50	456,694.72	714,231.33	32.25367006	-103.64034535
	6,900.00	8.40	74.31	6,691.28	3,041.28	-407.02	421.18	1,499.79	1.50	456,699.02	714,246.63	32.25368160	-103.64029576
	7,000.00	6.90	74.31	6,790.39	3,140.39	-410.50	424.78	1,512.60	1.50	456,702.62	714,259.44	32.25369126	-103.64025426
	7,100.00	5.40	74.31	6,889.81	3,239.81	-413.30	427.67	1,522.90	1.50	456,705.51	714,269.75	32.25369903	-103.64022086
	7,200.00	3.90	74.31	6,989.48	3,339.48	-415.42	429.86	1,530.70	1.50	456,707.70	714,277.55	32.25370491	-103.64019559
	7,300.00	2.40	74.31	7,089.33	3,439.33	-416.85	431.34	1,535.99	1.50	456,709.19	714,282.83	32.25370890	-103.64017846
	7,400.00	0.90	74.31	7,189.28	3,539.28	-417.60	432.12	1,538.75	1.50	456,709.96	714,285.60	32.25371098	-103.64016950
Hold Vertical	7,459.76	0.00	74.31	7,249.04	3,599.04	-417.72	432.25	1,539.20	1.50	456,710.09	714,286.05	32.25371132	-103.64016804
	7,500.00	0.00	74.31	7,289.28	3,639.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
Brusshy Canyon (BCN)	7,551.72	0.00	74.31	7,341.00	3,691.00	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	7,600.00	0.00	74.31	7,389.28	3,739.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	7,700.00	0.00	74.31	7,489.28	3,839.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	7,800.00	0.00	74.31	7,589.28	3,939.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	7,900.00	0.00	74.31	7,689.28	4,039.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	8,000.00	0.00	74.31	7,789.28	4,139.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	8,100.00	0.00	74.31	7,889.28	4,239.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	8,200.00	0.00	74.31	7,989.28	4,339.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	8,300.00	0.00	74.31	8,089.28	4,439.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	8,400.00	0.00	74.31	8,189.28	4,539.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	8,500.00	0.00	74.31	8,289.28	4,639.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	8,600.00	0.00	74.31	8,389.28	4,739.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	8,700.00	0.00	74.31	8,489.28	4,839.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	8,800.00	0.00	74.31	8,589.28	4,939.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	8,900.00	0.00	74.31	8,689.28	5,039.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	9,000.00	0.00	74.31	8,789.28	5,139.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
Bone Spring (BSL)	9,015.72	0.00	74.31	8,805.00	5,155.00	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
Upper Avalon (AVU)	9,089.72	0.00	74.31	8,879.00	5,229.00	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	9,100.00	0.00	74.31	8,889.28	5,239.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	9,200.00	0.00	74.31	8,989.28	5,339.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	9,300.00	0.00	74.31	9,089.28	5,439.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	9,400.00	0.00	74.31	9,189.28	5,539.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	9,500.00	0.00	74.31	9,289.28	5,639.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
Lower Avalon (AVL)	9,536.72	0.00	74.31	9,326.00	5,676.00	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
	9,600.00	0.00	74.31	9,389.28	5,739.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	9,700.00	0.00	74.31	9,489.28	5,839.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	9,800.00	0.00	74.31	9,589.28	5,939.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	9,900.00	0.00	74.31	9,689.28	6,039.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	10,000.00	0.00	74.31	9,789.28	6,139.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	10,100.00	0.00	74.31	9,889.28	6,239.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
First Bone Spring Upper (FBU)	10,130.72	0.00	74.31	9,920.00	6,270.00	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	10,200.00	0.00	74.31	9,989.28	6,339.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	10,300.00	0.00	74.31	10,089.28	6,439.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
First Bone Spring Lower (FBL)	10,367.72	0.00	74.31	10,157.00	6,507.00	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	10,400.00	0.00	74.31	10,189.28	6,539.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	10,500.00	0.00	74.31	10,289.28	6,639.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	10,600.00	0.00	74.31	10,389.28	6,739.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	10,700.00	0.00	74.31	10,489.28	6,839.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
Second Bone Spring Upper (SBU)	10,725.72	0.00	74.31	10,515.00	6,865.00	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	10,800.00	0.00	74.31	10,589.28	6,939.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	10,900.00	0.00	74.31	10,689.28	7,039.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	11,000.00	0.00	74.31	10,789.28	7,139.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	11,100.00	0.00	74.31	10,889.28	7,239.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	11,200.00	0.00	74.31	10,989.28	7,339.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
Second Bone Spring Lower (SBL)	11,269.72	0.00	74.31	11,059.00	7,409.00	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	11,300.00	0.00	74.31	11,089.28	7,439.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	11,400.00	0.00	74.31	11,189.28	7,539.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	11,500.00	0.00	74.31	11,289.28	7,639.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	11,600.00	0.00	74.31	11,389.28	7,739.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	11,700.00	0.00	74.31	11,489.28	7,839.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	11,800.00	0.00	74.31	11,589.28	7,939.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	11,900.00	0.00	74.31	11,689.28	8,039.28	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
Build 10°/100ft	11,907.76	0.00	74.31	11,697.04	8,047.04	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
FTP Cross	11,907.76	0.00	74.31	11,697.04	8,047.04	-417.72	432.25	1,539.20	0.00	456,710.09	714,286.05	32.25371132	-103.64016804
	12,000.00	9.22	179.46	11,788.88	8,138.88	-410.31	424.84	1,539.27	10.00	456,702.68	714,286.12	32.25369096	-103.64016797
Third Bone Spring (TBS)	12,099.27	19.15	179.46	11,885.00	8,235.00	-386.01	400.54	1,539.50	10.00	456,678.39	714,286.35	32.25362417	-103.64016774
	12,100.00	19.22	179.46	11,885.69	8,235.69	-385.77	400.30	1,539.50	10.00	456,678.14	714,286.35	32.25362350	-103.64016774
	12,200.00	29.22	179.46	11,976.77	8,326.77	-344.79	359.32	1,539.89	10.00	456,637.17	714,286.73	32.25351087	-103.64016735
	12,300.00	39.22	179.46	12,059.35	8,409.35	-288.62	303.15	1,540.41	10.00	456,581.00	714,287.26	32.25335647	-103.64016682
	12,400.00	49.22	179.46	12,130.92	8,480.92	-218.97	233.50	1,541.07	10.00	456,511.35	714,287.92	32.25316500	-103.64016616
	12,500.00	59.22	179.46	12,189.31	8,539.31	-137.94	152.48	1,541.83	10.00	456,430.33	714,288.68	32.25294227	-103.64016539
	12,600.00	69.22	179.46	12,232.74	8,582.74	-48.00	62.54	1,542.67	10.00	456,340.40	714,289.52	32.25269507	-103.64016454
Wolfcamp A (WCA)	12,680.85	77.31	179.46	12,256.00	8,606.00	29.36	-14.82	1,543.40	10.00	456,263.04	714,290.25	32.25248242	-103.64016381
	12,700.00	79.22	179.46	12,259.89	8,609.89	48.11	-33.56	1,543.58	10.00	456,244.30	714,290.42	32.25243088	-103.64016363
	12,800.00	89.22	179.46	12,269.95	8,619.95	147.48	-132.93	1,544.51	10.00	456,144.94	714,291.35	32.25215776	-103.64016269
	12,807.76	90.00	179.46	12,270.00	8,620.00	155.24	-140.68	1,544.58	10.00	456,137.18	714,291.43	32.25213643	-103.64016262
Landing Point	12,900.00	90.00	179.46	12,270.00	8,620.00	247.48	-232.92	1,545.45	0.00	456,044.95	714,292.29	32.25188289	-103.64016174
	13,000.00	90.00	179.46	12,270.00	8,620.00	347.48	-332.92	1,546.38	0.00	455,944.96	714,293.23	32.25160801	-103.64016079
	13,100.00	90.00	179.46	12,270.00	8,620.00	447.48	-432.91	1,547.32	0.00	455,844.97	714,294.17	32.25133314	-103.64015985
	13,200.00	90.00	179.46	12,270.00	8,620.00	547.48	-532.91	1,548.26	0.00	455,744.97	714,295.11	32.25105827	-103.64015890
	13,300.00	90.00	179.46	12,270.00	8,620.00	647.48	-632.90	1,549.20	0.00	455,644.98	714,296.05	32.25078340	-103.64015795
	13,400.00	90.00	179.46	12,270.00	8,620.00	747.48	-732.90	1,550.14	0.00	455,544.99	714,296.98	32.25050853	-103.64015700
	13,500.00	90.00	179.46	12,270.00	8,620.00	847.48	-832.89	1,551.08	0.00	455,445.00	714,297.92	32.25023366	-103.64015606
	13,600.00	90.00	179.46	12,270.00	8,620.00	947.48	-932.89	1,552.02	0.00	455,345.01	714,298.86	32.24995879	-103.64015511
	13,700.00	90.00	179.46	12,270.00	8,620.00	1,047.48	-1,032.89	1,552.95	0.00	455,245.02	714,299.80	32.24968391	-103.64015416
	13,800.00	90.00	179.46	12,270.00	8,620.00	1,147.48	-1,132.88	1,553.89	0.00	455,145.03	714,300.74	32.24940904	-103.64015322
	13,900.00	90.00	179.46	12,270.00	8,620.00	1,247.48	-1,232.88	1,554.83	0.00	455,045.03	714,301.68	32.24913417	-103.64015227
	14,000.00	90.00	179.46	12,270.00	8,620.00	1,347.48	-1,332.87	1,555.77	0.00	454,945.04	714,302.62	32.24885930	-103.64015132
	14,100.00	90.00	179.46	12,270.00	8,620.00	1,447.48	-1,432.87	1,556.71	0.00	454,845.05	714,303.55	32.24858443	-103.64015037
	14,200.00	90.00	179.46	12,270.00	8,620.00	1,547.48	-1,532.86	1,557.65	0.00	454,745.06	714,304.49	32.24830956	-103.64014943
	14,300.00	90.00	179.46	12,270.00	8,620.00	1,647.48	-1,632.86	1,558.59	0.00	454,645.07	714,305.43	32.24803468	-103.64014848
	14,400.00	90.00	179.46	12,270.00	8,620.00	1,747.48	-1,732.85	1,559.52	0.00	454,545.08	714,306.37	32.24775981	-103.64014753
	14,500.00	90.00	179.46	12,270.00	8,620.00	1,847.48	-1,832.85	1,560.46	0.00	454,445.09	714,307.31	32.24748494	-103.64014658
	14,600.00	90.00	179.46	12,270.00	8,620.00	1,947.48	-1,932.85	1,561.40	0.00	454,345.09	714,308.25	32.24721007	-103.64014564
	14,700.00	90.00	179.46	12,270.00	8,620.00	2,047.48	-2,032.84	1,562.34	0.00	454,245.10	714,309.18	32.24693520	-103.64014469
	14,800.00	90.00	179.46	12,270.00	8,620.00	2,147.48	-2,132.84	1,563.28	0.00	454,145.11	714,310.12	32.24666033	-103.64014374
MR 2 State Com No. 610H PPP	14,832.67	90.00	179.46	12,270.00	8,620.00	2,180.15	-2,165.51	1,563.58	0.00	454,112.44	714,310.43	32.24657052	-103.64014343
	14,900.00	90.00	179.46	12,270.00	8,620.00	2,247.48	-2,232.83	1,564.22	0.00	454,045.12	714,311.06	32.24638546	-103.64014279
	15,000.00	90.00	179.46	12,270.00	8,620.00	2,347.48	-2,332.83	1,565.15	0.00	453,945.13	714,312.00	32.24611058	-103.64014185
	15,100.00	90.00	179.46	12,270.00	8,620.00	2,447.48	-2,432.82	1,566.09	0.00	453,845.14	714,312.94	32.24583571	-103.64014090
	15,200.00	90.00	179.46	12,270.00	8,620.00	2,547.48	-2,532.82	1,567.03	0.00	453,745.14	714,313.88	32.24556084	-103.64013995
	15,300.00	90.00	179.46	12,270.00	8,620.00	2,647.48	-2,632.81	1,567.97	0.00	453,645.15	714,314.81	32.24528597	-103.64013901
	15,400.00	90.00	179.46	12,270.00	8,620.00	2,747.48	-2,732.81	1,568.91	0.00	453,545.16	714,315.75	32.24501110	-103.64013806
	15,500.00	90.00	179.46	12,270.00	8,620.00	2,847.48	-2,832.81	1,569.85	0.00	453,445.17	714,316.69	32.24473623	-103.64013711
	15,600.00	90.00	179.46	12,270.00	8,620.00	2,947.48	-2,932.80	1,570.78	0.00	453,345.18	714,317.63	32.24446135	-103.64013616
	15,700.00	90.00	179.46	12,270.00	8,620.00	3,047.48	-3,032.80	1,571.72	0.00	453,245.19	714,318.57	32.24418648	-103.64013522
	15,800.00	90.00	179.46	12,270.00	8,620.00	3,147.48	-3,132.79	1,572.66	0.00	453,145.20	714,319.51	32.24391161	-103.64013427
	15,900.00	90.00	179.46	12,270.00	8,620.00	3,247.48	-3,232.79	1,573.60	0.00	453,045.20	714,320.44	32.24363674	-103.64013332
	16,000.00	90.00	179.46	12,270.00	8,620.00	3,347.48	-3,332.78	1,574.54	0.00	452,945.21	714,321.38	32.24336187	-103.64013238
	16,100.00	90.00	179.46	12,270.00	8,620.00	3,447.48	-3,432.78	1,575.48	0.00	452,845.22	714,322.32	32.24308700	-103.64013143
	16,200.00	90.00	179.46	12,270.00	8,620.00	3,547.48	-3,532.78	1,576.41	0.00	452,745.23	714,323.26	32.24281212	-103.64013048
	16,300.00	90.00	179.46	12,270.00	8,620.00	3,647.48	-3,632.77	1,577.35	0.00	452,645.24	714,324.20	32.24253725	-103.64012953
	16,400.00	90.00	179.46	12,270.00	8,620.00	3,747.48	-3,732.77	1,578.29	0.00	452,545.25	714,325.14	32.24226238	-103.64012859
	16,500.00	90.00	179.46	12,270.00	8,620.00	3,847.48	-3,832.76	1,579.23	0.00	452,445.26	714,326.07	32.24198751	-103.64012764
	16,600.00	90.00	179.46	12,270.00	8,620.00	3,947.48	-3,932.76	1,580.17	0.00	452,345.26	714,327.01	32.24171264	-103.64012669
	16,700.00	90.00	179.46	12,270.00	8,620.00	4,047.48	-4,032.75	1,581.11	0.00	452,245.27	714,327.95	32.24143776	-103.64012575
	16,800.00	90.00	179.46	12,270.00	8,620.00	4,147.48	-4,132.75	1,582.04	0.00	452,145.28	714,328.89	32.24116289	-103.64012480
	16,900.00	90.00	179.46	12,270.00	8,620.00	4,247.48	-4,232.74	1,582.98	0.00	452,045.29	714,329.83	32.24088802	-103.64012385
	17,000.00	90.00	179.46	12,270.00	8,620.00	4,347.48	-4,332.74	1,583.92	0.00	451,945.30	714,330.77	32.24061315	-103.64012290
	17,100.00	90.00	179.46	12,270.00	8,620.00	4,447.48	-4,432.74	1,584.86	0.00	451,845.31	714,331.70	32.24033828	-103.64012196
	17,200.00	90.00	179.46	12,270.00	8,620.00	4,547.48	-4,532.73	1,585.80	0.00	451,745.32	714,332.64	32.24006340	-103.64012101
	17,300.00	90.00	179.46	12,270.00	8,620.00	4,647.48	-4,632.73	1,586.74	0.00	451,645.32	714,333.58	32.23978853	-103.64012006
LTP Cross	17,374.03	90.00	179.46	12,270.00	8,620.00	4,721.51	-4,706.75	1,587.43	0.00	451,571.30	714,334.28	32.23958505	-103.64011936
	17,400.00	90.00	179.46	12,270.00	8,620.00	4,747.48	-4,732.72	1,587.67	0.00	451,545.33	714,334.52	32.23951366	-103.64011911
MR 2 State Com No. 610H BHL	17,449.07	90.00	179.46	12,270.00	8,620.00	4,796.54	-4,781.79	1,588.14	0.00	451,496.27	714,334.98	32.23937879	-103.64011865

Survey Type: Def Plan

Survey Error Model: WPTS Rev 0.

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Code	Vendor / Tool	Borehole / Survey
	1	0.000	20,823.761	1/100.000	25 – 8.75 – 6.125	9.625 – 7 – 6.125		B001Mb_MWD+HRGM		MR 2 State Com No. 610H / MR 2 State Com No. 6

EOU Geometry:

End MD (ft)	Hole Size (in)	Casing Size (in)	Name
929.408	17.500	13.375	
2,838.194	12.250	9.625	
9,139.720	8.750	7.000	
17,449.066	6.125		

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: _CHEVRON USA INC__ **OGRID:** __4323_____ **Date:** _10___/_21___/_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
MR 2 STATE COM 503H	PENDING	C-2-24S-32E	571N-2534W	500 BBL/D	1470 MCF/D	980 BBL/D
MR 2 STATE COM 504H	PENDING	C-2-24S-32E	571N-2554W	500 BBL/D	1470 MCF/D	980 BBL/D
MR 2 STATE COM 505H	PENDING	C-2-24S-32E	571N-2574W	500 BBL/D	1470 MCF/D	980 BBL/D
MR 2 STATE COM 506H	PENDING	C-2-24S-32E	571N-2594W	500 BBL/D	1470 MCF/D	980 BBL/D
MR 2 STATE COM 604H	PENDING	C-2-24S-32E	441N-2454W	500 BBL/D	1470 MCF/D	980 BBL/D
MR 2 STATE COM 605H	PENDING	C-2-24S-32E	441N-2474W	500 BBL/D	1470 MCF/D	980 BBL/D
MR 2 STATE COM 606H	PENDING	C-2-24S-32E	441N-2494W	500 BBL/D	1470 MCF/D	980 BBL/D
MR 2 STATE COM 607H	PENDING	C-2-24S-32E	441N-2514W	500 BBL/D	1470 MCF/D	980 BBL/D
MR 2 STATE COM 608H	PENDING	C-2-24S-32E	441N-2534W	500 BBL/D	1470 MCF/D	980 BBL/D
MR 2 STATE COM 609H	PENDING	C-2-24S-32E	441N-2554W	500 BBL/D	1470 MCF/D	980 BBL/D
MR 2 STATE COM 610H	PENDING	C-2-24S-32E	441N-2574W	500 BBL/D	1470 MCF/D	980 BBL/D
MR 2 STATE COM 611H	PENDING	C-2-24S-32E	441N-2594W	500 BBL/D	1470 MCF/D	980 BBL/D

IV. Central Delivery Point Name: _____Rustler Bluff CTB _____ [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
MR 2 STATE COM 503H	PENDING	05/01/2026	N/A	N/A	N/A	N/A
MR 2 STATE COM 504H	PENDING	05/01/2026	N/A	N/A	N/A	N/A
MR 2 STATE COM 505H	PENDING	05/01/2026	N/A	N/A	N/A	N/A
MR 2 STATE COM 506H	PENDING	05/01/2026	N/A	N/A	N/A	N/A
MR 2 STATE COM 604H	PENDING	05/01/2026	N/A	N/A	N/A	N/A
MR 2 STATE COM 605H	PENDING	05/01/2026	N/A	N/A	N/A	N/A
MR 2 STATE COM 606H	PENDING	05/01/2026	N/A	N/A	N/A	N/A
MR 2 STATE COM 607H	PENDING	05/01/2026	N/A	N/A	N/A	N/A

MR 2 STATE COM 608H	PENDING	05/01/2026	N/A	N/A	N/A	N/A
MR 2 STATE COM 609H	PENDING	05/01/2026	N/A	N/A	N/A	N/A
MR 2 STATE COM 610H	PENDING	05/01/2026	N/A	N/A	N/A	N/A
MR 2 STATE COM 611H	PENDING	05/01/2026	N/A	N/A	N/A	N/A

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 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

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.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:	Jennifer Smith
Printed Name:	JENNIFER SMITH
Title:	SR. PERMITTING COOR
E-mail Address:	JHIO@CHEVRON.COM
Date:	10/21/2024
Phone:	713-586-9825

OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval:

VI. Separation Equipment:
Separation equipment installed at each Chevron facility is designed for maximum anticipated throughput and pressure to minimize waste. Separation equipment is designed and built according to ASME Sec VIII Div I to ensure gas is separated from liquid streams according to projected production.

VII./VIII. Operational & Best Management Practices:
1. General Requirements for Venting and Flaring of Natural Gas:
   - In all circumstances, Chevron will flare rather than vent unless flaring is technically infeasible and venting of natural gas will avoid a risk of an immediate and substantial adverse impact on safety, public health, or the environment.
   - Chevron installs and operates vapor recovery units (VRUs) in new facilities to minimize venting and flaring. If a VRU experiences operating issues, it is quickly assessed so that action can be taken to return the VRU to operation or, if necessary, facilities are shut-in to reduce the venting or flaring of natural gas.

2. During Drilling Operations:
   - Flare stacks will be located a minimum of 110 feet from the nearest surface hole location.
   - If an emergency or malfunction occurs, gas will be flared or vented to avoid a risk of an immediate and substantial adverse impact on public health, safety or the environment and be properly reported to the NMOCD pursuant to 19.15.27.8.G.
   - Natural gas is captured or combusted if technically feasible using best industry practices and control technologies, such as the use of separators (e.g., Sand Commanders) during normal drilling and completions operations.

3. During Completions:
   - Chevron typically does not complete traditional flowback, instead Chevron will flow produced oil, water, and gas to a centralized tank battery and continuously recover salable quality gas. If Chevron completes traditional flowback, Chevron conducts reduced emission completions as required by 40 CFR 60.5375a by routing gas to a gas flow line as soon as practicable once there is enough gas to operate a separator. Venting does not occur once there is enough gas to operate a separator
   - Normally, during completions a flare is not on-site. A Snubbing Unit will have a flare on-site, and the flare volume will be estimated.
   - If natural gas does not meet pipeline quality specification, the gas is sampled twice per week until the gas meets the specifications.

4. During Production:
   - An audio, visual and olfactory (AVO) inspection will be performed daily (at minimum) for active wells and facilities to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC. Inactive, temporarily abandoned, or shut-in wells and facilities will be inspected weekly. Inspection records will be kept for a minimum of five years and will be available upon request by the division.
   - Monitor manual liquid unloading for wells on-site, takes all reasonable actions to achieve a stabilized rate and pressure at the earliest practical time and takes reasonable actions to minimize venting to the maximum extent practicable.
   - In all circumstances, Chevron will flare rather than vent unless flaring is technically infeasible and venting of natural gas will avoid a risk of an immediate and substantial adverse impact on safety, public health, or the environment.
   - Chevron's design for new facilities utilizes air-activated pneumatic controllers and pumps.
   - If natural gas does not meet pipeline quality specification, the gas is sampled twice per week until the gas meets the specifications.
   - Chevron does not produce oil or gas until all flowlines, tank batteries, and oil/gas takeaway are installed, tested, and determined operational.

5. Performance Standards

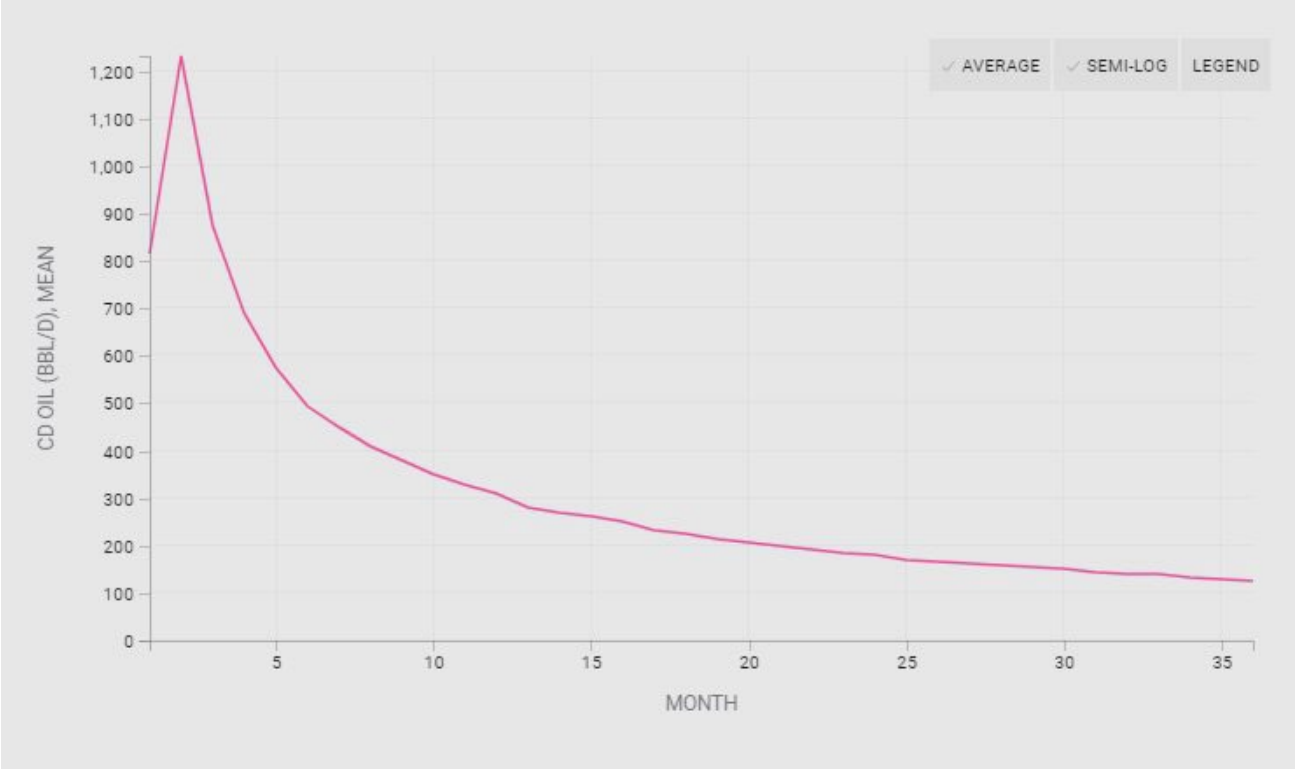
- Equipment installed at each facility is designed for maximum anticipated throughput and pressure to minimize waste. Tank pressure relief systems utilize a soft seated or metal seated PSVs, as appropriate, which are both designed to not leak.
- Flare stack has been designed for proper size and combustion efficiency. New flares will have a continuous pilot and will be located at least 100 feet from the well and storage tanks and will be securely anchored.
- New tanks will be equipped with an automatic gauging system.
- An audio, visual and olfactory (AVO) inspection will be performed daily (at minimum) for active wells and facilities to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC. Inactive, temporarily abandoned, or shut-in wells and facilities will be inspected weekly. Inspection records will be kept for a minimum of five years and will be available upon request by the division.

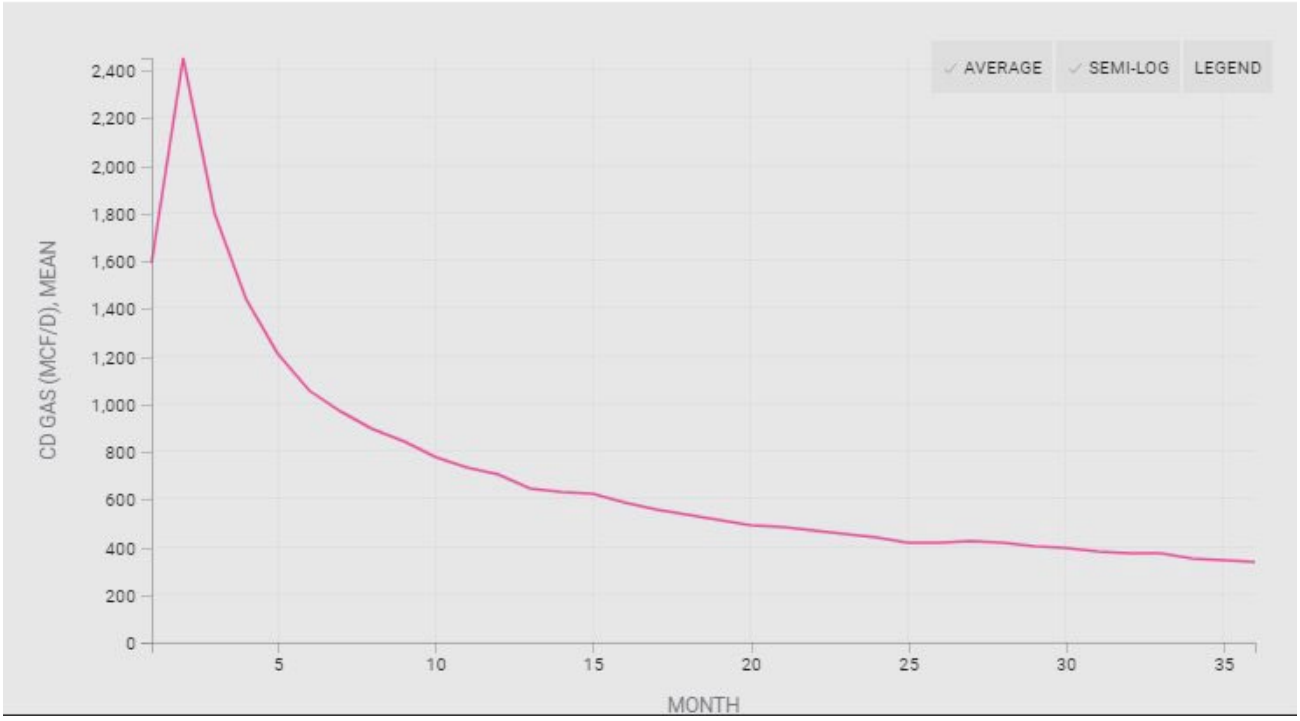
6. Measurement or Estimation of Vented and Flared Natural Gas

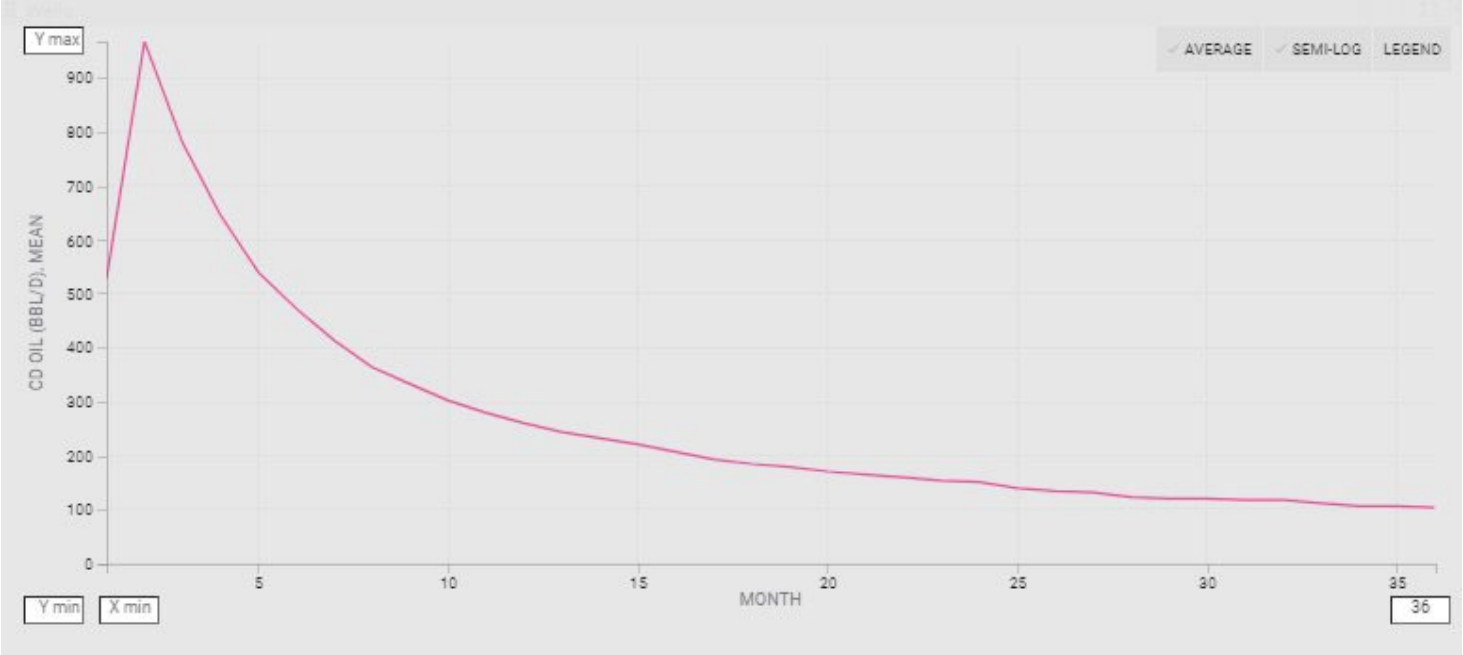
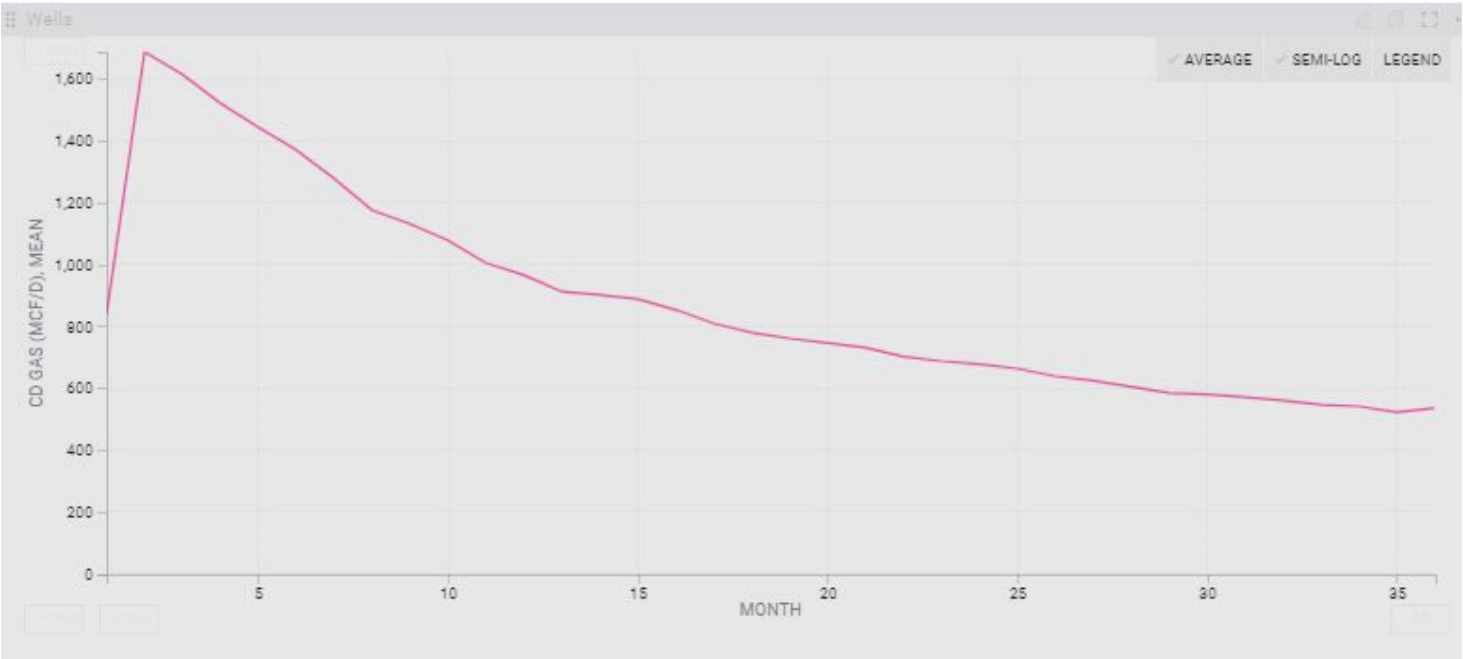
- Chevron estimates or measures the volume of natural gas that is vented, flared, or beneficially used during drilling, operations, regardless of the reason or authorization for such venting or flaring.
- Where technically practicable, Chevron will install meters on flares installed after May 25, 2021. Meters will conform to industry standards. Bypassing the meter will only occur for inspecting and servicing of the meter.

Lea County NM Wolfcamp Average Production per Well

- **Data source: Publicly available from Enverus Prism (June 2024)**
- **Number of wells: N = 1,022**
- **Data Range: 2016+**
- **Production History: 36 months**





Lea County NM Bone Spring Average Production per Well

- **Data source: Publicly available from Enverus Prism (June 2024)**
- **Number of wells: N = 1,004**
- **Data Range: 2016+**
- **Production History: 36 months**