<u>District I</u> 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

Form C-101 August 1, 2011

Permit 327672

APPLICATION FOR PERMIT TO DRIL	., RE-ENTER, DEEPEN	I, PLUGBACK	, OR ADD A ZONE
--------------------------------	---------------------	-------------	-----------------

Operator Name and Address		2. OGRID Number
MEWBOURNE OIL CO		14744
P.O. Box 5270		3. API Number
Hobbs, NM 88241		30-015-50109
4. Property Code	5. Property Name	6. Well No.
333498	Foreigner 4/33 W2NK Fee	001H

7 Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
С	9	24S	28E	С	210	N	1940	W	Eddy

8. Proposed Bottom Hole Location

I	UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
	K	33	23S	28E	K	2310	S	2050	W	Eddv

9. Pool Information

PURPLE SAGE; WOLFCAMP (GAS)	98220

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	GAS		Private	3007
16. Multiple	17. Proposed Depth	18. Formation	19. Contractor	20. Spud Date
N	17938	Wolfcamp		11/19/2022
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 pits

21. Proposed Casing and Cement Program

			opecca cacg .			
Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	550	435	0
Int1	12.25	9.625	36	2515	560	0
Prod	8.75	7	26	10513	905	2315
Liner1	6.125	4.5	13.5	17938	330	9813

Casing/Cement Program: Additional Comments

MOC proposed to drill & test the Wolfcamp formation. H2S rule 118 does not apply because MOC has researched the area & no high concentrations were found. Will have on location & working all H2S safety equiptment before Yates formation for safety & insurance purposes. Will stimulate as needed for production.

22. Proposed Blowout Prevention Program

Туре	Type Working Pressure Test Pressure		Manufacturer
Annular	5000	2500	Schaffer
Double Ram	5000	5000	Schaffer
Annular	5000	2500	Schaffer

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	ON DIVISION
Printed Name:	Electronically filed by Monty Whets	stone	Approved By:	Katherine Pickford	
Title:	Vice President Operations		Title:	Geoscientist	
Email Address:	ss: fking@mewbourne.com			10/28/2022	Expiration Date: 10/28/2024
Date:	10/21/2022	Conditions of Approval Attached			

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

1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

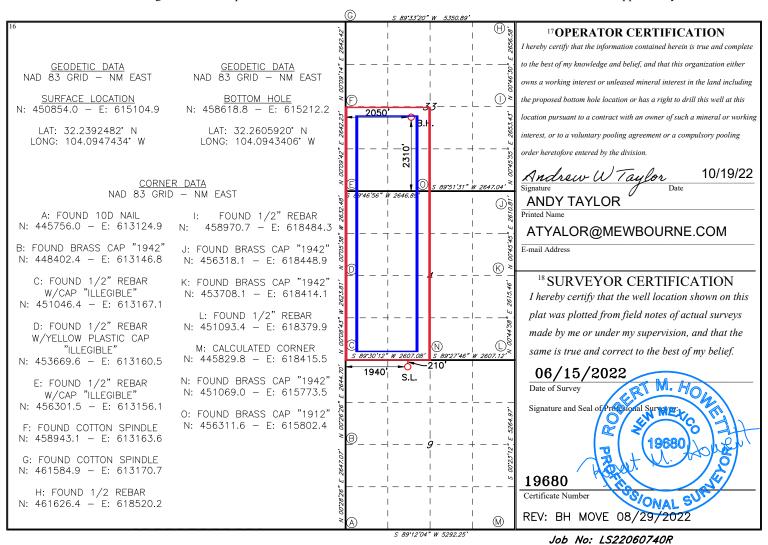
Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-015-5010	API Number	r		² Pool Code		³ Pool Name				
30-013-3010			98220 PURPLE SAGE; WOLFCAMP							
⁴ Property Co 333498	de		FOREIGNER 4/33 W2NK FEE							Well Number 1H
70GRID 982	4 4 7 4 4		**SOperator Name							
					10 Surface	Location				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/We	est line	County
C	9	24S	28E		210	NORTH	1940	WE	ST	EDDY
			¹¹ I	Bottom H	lole Location	n If Different Fr	om Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County
K	33	23S	28E		2310	SOUTH	2050	WE	ST	EDDY
12 Dedicated Acre	s 13 Joint	or Infill 14	Consolidation	Code 15 C	Order No.					
480										

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



Form APD Conditions

Permit 327672

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 <u>District II</u>

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

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

PERMIT CONDITIONS OF APPROVAL

	ame and Address: MEWBOURNE OIL CO [14744]	API Number: 30-015-50109
	P.O. Box 5270 Hobbs, NM 88241	Well: Foreigner 4/33 W2NK Fee #001H
OCD Poviower	Condition	

OCD	Condition
Reviewer	
kpickford	Notify OCD 24 hours prior to casing & cement
kpickford	Will require a File As Drilled C-102 and a Directional Survey with the C-104
kpickford	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud
	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
kpickford	Cement is required to circulate on both surface and intermediate1 strings of casing
kpickford	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,

Intent	:	As Dril	ed											
API#														
Opei	rator Nar	ne:				Prop	perty N	ame:						Well Number
						l								
Kick C	off Point	(KOP)												
UL	Section	Township	Range	Lot	Feet		From N	I/S	Feet		Fron	n E/W	County	
Latitu	de				Longitu	ıde							NAD	
					1									
First T	ake Poin	t (FTP)												
UL	Section	Township	Range	Lot	Feet		From N	I/S	Feet		Fron	n E/W	County	
Latitu	de				Longitu	ıde							NAD	
Lact T	ake Poin	+ /I TD\												
UL	Section	Township	Range	Lot	Feet	Fror	m N/S	Feet		From	E/W	Count	:y	
Latitu	de				Longitu	ıde						NAD		
Is this	well the	defining w	ell for th	ne Hori:	zontal Sp	pacing	g Unit?							
Is this	well an i	infill well?			7									
15 (1115	Well diri				_									
	l is yes pl ng Unit.	ease provi	de API if	availak	ole, Opei	rator I	Name	and w	vell ni	umbei	r for I	Definir	ng well fo	r Horizontal
API#														
Opei	rator Nar	ne:	l			Prop	perty N	ame:						Well Number

KZ 06/29/2018

Mewbourne Oil Company

Eddy County, New Mexico NAD 83 Foreigner 4/33 W2NK Fee #1H Sec 9, T24S, R28E

SHL: 210' FNL & 1940' FWL, Sec 9 BHL: 2310' FSL & 2050' FWL, Sec 33

Plan: Design #1

Standard Planning Report

25 August, 2022

Hobbs Database:

Company: Mewbourne Oil Company

Project: Eddy County, New Mexico NAD 83 Site: Foreigner 4/33 W2NK Fee #1H

Well: Sec 9, T24S, R28E

BHL: 2310' FSL & 2050' FWL, Sec 33 Wellbore: Design #1 Design:

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Site Foreigner 4/33 W2NK Fee #1H

WELL @ 3035.0usft (Original Well Elev) WELL @ 3035.0usft (Original Well Elev)

Minimum Curvature

Project Eddy County, New Mexico NAD 83

Map System: Geo Datum:

Map Zone:

US State Plane 1983 North American Datum 1983 New Mexico Eastern Zone

System Datum:

Ground Level

Foreigner 4/33 W2NK Fee #1H Site

Northing: 450,854.00 usft Site Position: Latitude: 32.2392483 From: Мар Easting: 615,104.90 usft Longitude: -104.0947435

Position Uncertainty: 0.0 usft Slot Radius: 13-3/16 "

Well Sec 9, T24S, R28E

Well Position +N/-S 0.0 usft Northing: 450,854.00 usft Latitude: 32.2392483 +E/-W 0.0 usft Easting: 615,104.90 usft Longitude: -104.0947435 **Position Uncertainty** 0.0 usft Wellhead Elevation: 3,035.0 usft **Ground Level:** 3,007.0 usft

0.13° **Grid Convergence:**

BHL: 2310' FSL & 2050' FWL, Sec 33 Wellbore

Declination Magnetics **Model Name** Sample Date Dip Angle Field Strength (°) (°) (nT) IGRF2010 48,192.66508783 12/31/2014 7.39 60.02

Design #1 Design

Audit Notes:

Phase: PROTOTYPE Tie On Depth: 0.0 Version:

Vertical Section: Depth From (TVD) +N/-S +E/-W Direction (usft) (usft) (usft) (°) 0.80 0.0 0.0 0.0

Plan Survey Tool Program Date 8/25/2022

Depth From Depth To (usft)

(usft) Survey (Wellbore)

Tool Name Remarks

0.0 17,938.0 Design #1 (BHL: 2310' FSL & 205

lan Sections										
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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,645.9	0.92	106.68	2,645.9	-0.1	0.4	2.00	2.00	0.00	106.68	
9,767.0	0.92	106.68	9,766.1	-32.9	109.7	0.00	0.00	0.00	0.00	
9,813.0	0.00	0.00	9,812.0	-33.0	110.1	2.00	-2.00	0.00	180.00	KOP: 243' FNL & 205
10,711.4	89.84	359.99	10,385.0	538.4	110.0	10.00	10.00	0.00	-0.01	
17,938.0	89.84	359.99	10,405.0	7,765.0	108.1	0.00	0.00	0.00	0.00	BHL: 2310' FSL & 205

Database: Company:

Project:

Wellbore:

Site:

Hobbs

Mewbourne Oil Company

Eddy County, New Mexico NAD 83 Foreigner 4/33 W2NK Fee #1H

Well: Sec 9, T24S, R28E

BHL: 2310' FSL & 2050' FWL, Sec 33

Design: Design #1 Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Site Foreigner 4/33 W2NK Fee #1H WELL @ 3035.0usft (Original Well Elev) WELL @ 3035.0usft (Original Well Elev)

d 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)
0.0		0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL: 210'	FNL & 1940' FWL	(9)							
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0		0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0		0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0		0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0		0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0		0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0		0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0		0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0		0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0		0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0		0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0		0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0		0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0		0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0		0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0		0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0		0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,645.9		106.68	2,645.9	-0.1	0.4	-0.1	2.00	2.00	0.00
2,700.0		106.68	2,700.0	-0.4	1.2	-0.3	0.00	0.00	0.00
2,800.0		106.68	2,800.0	-0.8	2.7	-0.8	0.00	0.00	0.00
2,900.0	0.92	106.68	2,900.0	-1.3	4.3	-1.2	0.00	0.00	0.00
3,000.0		106.68	3,000.0	-1.7	5.8	-1.7	0.00	0.00	0.00
3,100.0		106.68	3,099.9	-2.2	7.3	-2.1	0.00	0.00	0.00
3,200.0		106.68	3,199.9	-2.7	8.9	-2.5	0.00	0.00	0.00
3,300.0		106.68	3,299.9	-3.1	10.4	-3.0	0.00	0.00	0.00
3,400.0	0.92	106.68	3,399.9	-3.6	11.9	-3.4	0.00	0.00	0.00
3,500.0		106.68	3,499.9	-4.0	13.5	-3.9	0.00	0.00	0.00
3,600.0		106.68	3,599.9	-4.5	15.0	-4.3	0.00	0.00	0.00
3,700.0		106.68	3,699.9	-5.0	16.5	-4.7	0.00	0.00	0.00
3,800.0		106.68	3,799.8	-5.4	18.1	-5.2	0.00	0.00	0.00
3,900.0	0.92	106.68	3,899.8	-5.9	19.6	-5.6	0.00	0.00	0.00
4,000.0		106.68	3,999.8	-6.3	21.2	-6.0	0.00	0.00	0.00
4,100.0		106.68	4,099.8	-6.8	22.7	-6.5	0.00	0.00	0.00
4,200.0		106.68	4,199.8	-7.3	24.2	-6.9	0.00	0.00	0.00
4,300.0		106.68	4,299.8	-7.7	25.8	-7.4	0.00	0.00	0.00
4,400.0		106.68	4,399.8	-8.2	27.3	-7.8	0.00	0.00	0.00
4,500.0		106.68	4,499.8	-8.6	28.8	-8.2	0.00	0.00	0.00
4,600.0		106.68	4,599.7	-9.1	30.4	-8.7	0.00	0.00	0.00
4,700.0		106.68	4,699.7	-9.6	31.9	-9.1	0.00	0.00	0.00
4,800.0		106.68	4,799.7	-10.0	33.4	-9.1 -9.6	0.00	0.00	0.00
4,900.0		106.68	4,899.7	-10.5	35.0	-10.0	0.00	0.00	0.00
5,000.0		106.68	4,999.7	-10.9	36.5	-10.4	0.00	0.00	0.00
5,100.0	0.92	106.68	5,099.7	-11.4	38.1	-10.9	0.00	0.00	0.00

Database: Company:

Project:

Site:

Hobbs

Mewbourne Oil Company

Eddy County, New Mexico NAD 83 Foreigner 4/33 W2NK Fee #1H

Well: Sec 9, T24S, R28E

Wellbore: Design: Design #1

BHL: 2310' FSL & 2050' FWL, Sec 33

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Site Foreigner 4/33 W2NK Fee #1H WELL @ 3035.0usft (Original Well Elev) WELL @ 3035.0usft (Original Well Elev)

esign:	Design #1								
lanned 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)
5,200.0	0.92	106.68	5,199.7	-11.9	39.6	-11.3	0.00	0.00	0.00
5,300.0	0.92	106.68	5,299.7	-12.3	41.1	-11.8	0.00	0.00	0.00
5,400.0	0.92	106.68	5,399.6	-12.8	42.7	-12.2	0.00	0.00	0.00
5,500.0	0.92	106.68	5,499.6	-13.2	44.2	-12.6	0.00	0.00	0.00
5,600.0	0.92	106.68	5,599.6	-13.7	45.7	-13.1	0.00	0.00	0.00
5,700.0	0.92	106.68	5,699.6	-14.2	47.3	-13.5	0.00	0.00	0.00
5,800.0	0.92	106.68	5,799.6	-14.6	48.8	-13.9	0.00	0.00	0.00
5,900.0	0.92	106.68	5,899.6	-15.1	50.3	-14.4	0.00	0.00	0.00
6,000.0	0.92	106.68	5,999.6	-15.5	51.9	-14.8	0.00	0.00	0.00
6,100.0	0.92	106.68	6,099.6	-16.0	53.4	-15.3	0.00	0.00	0.00
6,200.0	0.92	106.68	6,199.5	-16.5	55.0	-15.7	0.00	0.00	0.00
6,300.0	0.92	106.68	6,299.5	-16.9	56.5	-16.1	0.00	0.00	0.00
6,400.0	0.92	106.68	6,399.5	-17.4	58.0	-16.6	0.00	0.00	0.00
6,500.0	0.92	106.68	6,499.5	-17.9	59.6	-17.0	0.00	0.00	0.00
6,600.0	0.92	106.68	6,599.5	-18.3	61.1	-17.5	0.00	0.00	0.00
6,700.0	0.92	106.68	6,699.5	-18.8	62.6	-17.9	0.00	0.00	0.00
6,800.0	0.92	106.68	6,799.5	-19.2	64.2	-18.3	0.00	0.00	0.00
6,900.0	0.92	106.68	6,899.5	-19.7	65.7	-18.8	0.00	0.00	0.00
7,000.0	0.92	106.68	6,999.4	-20.2	67.2	-19.2	0.00	0.00	0.00
7,100.0	0.92	106.68	7,099.4	-20.6	68.8	-19.7	0.00	0.00	0.00
7,200.0	0.92	106.68	7,199.4	-21.1	70.3	-20.1	0.00	0.00	0.00
7,300.0	0.92	106.68	7,299.4	-21.5	71.8	-20.5	0.00	0.00	0.00
7,400.0	0.92	106.68	7,399.4	-22.0	73.4	-21.0	0.00	0.00	0.00
7,500.0	0.92	106.68	7,499.4	-22.5	74.9	-21.4	0.00	0.00	0.00
7,600.0	0.92	106.68	7,599.4	-22.9	76.5	-21.8	0.00	0.00	0.00
7,700.0	0.92	106.68	7,699.3	-23.4	78.0	-22.3	0.00	0.00	0.00
7,800.0	0.92	106.68	7,799.3	-23.8	79.5	-22.7	0.00	0.00	0.00
7,900.0	0.92	106.68	7,899.3	-24.3	81.1	-23.2	0.00	0.00	0.00
8,000.0	0.92	106.68	7,999.3	-24.8	82.6	-23.6	0.00	0.00	0.00
8,100.0	0.92	106.68	8,099.3	-25.2	84.1	-24.0	0.00	0.00	0.00
8,200.0	0.92	106.68	8,199.3	-25.7	85.7	-24.5	0.00	0.00	0.00
8,300.0	0.92	106.68	8,299.3	-26.1	87.2	-24.9	0.00	0.00	0.00
8,400.0	0.92	106.68	8,399.3	-26.6	88.7	-25.4	0.00	0.00	0.00
8,500.0	0.92	106.68	8,499.2	-27.1	90.3	-25.8	0.00	0.00	0.00
8,600.0	0.92	106.68	8,599.2	-27.5	91.8	-26.2	0.00	0.00	0.00
8,700.0	0.92	106.68	8,699.2	-28.0	93.4	-26.7	0.00	0.00	0.00
8,800.0	0.92	106.68	8,799.2	-28.4	94.9	-27.1	0.00	0.00	0.00
8,900.0	0.92	106.68	8,899.2	-28.9	96.4	-27.6	0.00	0.00	0.00
9,000.0	0.92	106.68	8,999.2	-29.4	98.0	-28.0	0.00	0.00	0.00
9,100.0	0.92	106.68	9,099.2	-29.8	99.5	-28.4	0.00	0.00	0.00
9,200.0	0.92	106.68	9,199.2	-30.3	101.0	-28.9	0.00	0.00	0.00
9,300.0	0.92	106.68	9,299.1	-30.7	102.6	-29.3	0.00	0.00	0.00
9,400.0	0.92	106.68	9,399.1	-31.2	104.1	-29.8	0.00	0.00	0.00
9,500.0	0.92	106.68	9,499.1	-31.7	105.6	-30.2	0.00	0.00	0.00
9,600.0	0.92	106.68	9,599.1	-32.1	107.2	-30.6	0.00	0.00	0.00
9,700.0	0.92	106.68	9,699.1	-32.6	108.7	-31.1	0.00	0.00	0.00
9,767.0	0.92	106.68	9,766.1	-32.9	109.7	-31.4	0.00	0.00	0.00
9,800.0	0.26	106.68	9,799.1	-33.0	110.1	-31.5	2.00	-2.00	0.00
9,813.0	0.00	0.00	9,812.0	-33.0	110.1	-31.5	2.00	-2.00	0.00
,	NL & 2050' FWL								
9,850.0	3.70	359.99	9,849.1	-31.8	110.1	-30.3	10.00	10.00	0.00
9,900.0	8.70	359.99	9,898.7	-26.4	110.1	-24.9	10.00	10.00	0.00
9,950.0	13.70	359.99	9,947.8	-16.7	110.1	-15.2	10.00	10.00	0.00

Database: Hobbs

Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Foreigner 4/33 W2NK Fee #1H

Well: Sec 9, T24S, R28E

Wellbore: BHL: 2310' FSL & 2050' FWL, Sec 33

Design: Design #1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Site Foreigner 4/33 W2NK Fee #1H WELL @ 3035.0usft (Original Well Elev) WELL @ 3035.0usft (Original Well Elev)

Grid

ned 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)
10,000.0	18.70	359.99	9,995.8	-2.7	110.1	-1.2	10.00	10.00	0.00
10,050.0	23.70	359.99	10,042.4	15.3	110.1	16.9	10.00	10.00	0.00
10,100.0	28.70	359.99	10,087.2	37.4	110.1	38.9	10.00	10.00	0.00
10,150.0	33.70	359.99	10,130.0	63.3	110.1	64.8	10.00	10.00	0.00
10,200.0	38.70	359.99	10,170.3	92.8	110.1	94.4	10.00	10.00	0.00
10,250.0	43.70	359.99	10,207.9	125.8	110.1	127.3	10.00	10.00	0.00
10,300.0	48.70	359.99	10,242.5	161.8	110.1	163.3	10.00	10.00	0.00
10,350.0	53.70	359.99	10,273.8	200.8	110.0	202.3	10.00	10.00	0.00
10,400.0	58.70	359.99	10,301.6	242.3	110.0	243.8	10.00	10.00	0.00
10,450.0	63.70	359.99	10,325.7	286.1	110.0	287.6	10.00	10.00	0.00
10,500.0	68.70	359.99	10,345.9	331.9	110.0	333.4	10.00	10.00	0.00
10,550.0	73.70	359.99	10,362.0	379.2	110.0	380.7	10.00	10.00	0.00
10,600.0	78.70	359.99	10,373.9	427.7	110.0	429.2	10.00	10.00	0.00
10,650.0	83.70	359.99	10,381.5	477.1	110.0	478.6	10.00	10.00	0.00
10,700.0	88.70	359.99	10,384.9	527.0	110.0	528.5	10.00	10.00	0.00
10,711.4	89.84	359.99	10,385.0	538.4	110.0	539.9	10.00	10.00	0.00
10,713.2	89.84	359.99	10,385.0	540.2	110.0	541.7	0.00	0.00	0.00
	0' FSL & 2050' FV		·						
10,800.0	89.84	359.99	10,385.2	627.0	109.9	628.5	0.00	0.00	0.00
10,900.0	89.84	359.99	10,385.5	727.0	109.9	728.5	0.00	0.00	0.00
11,000.0	89.84	359.99	10,385.8	827.0	109.9	828.4	0.00	0.00	0.00
11,100.0	89.84	359.99	10,386.1	927.0	109.9	928.4	0.00	0.00	0.00
11,200.0	89.84	359.99	10,386.4	1,027.0	109.8	1,028.4	0.00	0.00	0.00
11,300.0	89.84	359.99	10,386.6	1,127.0	109.8	1,128.4	0.00	0.00	0.00
11,400.0	89.84	359.99	10,386.9	1,227.0	109.8	1,228.4	0.00	0.00	0.00
11,500.0	89.84	359.99	10,387.2	1,327.0	109.8	1,328.4	0.00	0.00	0.00
11,600.0	89.84	359.99	10,387.5	1,427.0	109.7	1,428.4	0.00	0.00	0.00
11,700.0	89.84	359.99	10,387.7	1,527.0	109.7	1,528.4	0.00	0.00	0.00
11,800.0	89.84	359.99	10,388.0	1,627.0	109.7	1,628.4	0.00	0.00	0.00
11,900.0	89.84	359.99	10,388.3	1,727.0	109.6	1,728.3	0.00	0.00	0.00
12,000.0	89.84	359.99	10,388.6	1,827.0	109.6	1,828.3	0.00	0.00	0.00
12,100.0	89.84	359.99	10,388.8	1,927.0	109.6	1,928.3	0.00	0.00	0.00
12,200.0	89.84	359.99	10,389.1	2,027.0	109.6	2,028.3	0.00	0.00	0.00
12,300.0	89.84	359.99	10,389.4	2,127.0	109.5	2,128.3	0.00	0.00	0.00
12,400.0	89.84	359.99	10,389.7	2,227.0	109.5	2,228.3	0.00	0.00	0.00
12,500.0	89.84	359.99	10,389.9	2,327.0	109.5	2,328.3	0.00	0.00	0.00
12,600.0	89.84	359.99	10,390.2	2,427.0	109.5	2,428.3	0.00	0.00	0.00
12,700.0	89.84	359.99	10,390.5	2,527.0	109.4	2,528.3	0.00	0.00	0.00
12,800.0	89.84	359.99	10,390.8	2,627.0	109.4	2,628.3	0.00	0.00	0.00
12,900.0	89.84	359.99	10,391.1	2,727.0	109.4	2,728.2	0.00	0.00	0.00
13,000.0	89.84	359.99	10,391.3	2,827.0	109.4	2,828.2	0.00	0.00	0.00
13,100.0	89.84	359.99	10,391.6	2,927.0	109.3	2,928.2	0.00	0.00	0.00
13,200.0	89.84	359.99	10,391.9	3,027.0	109.3	3,028.2	0.00	0.00	0.00
13,300.0	89.84	359.99	10,392.2	3,127.0	109.3	3,128.2	0.00	0.00	0.00
13,400.0	89.84	359.99	10,392.4	3,227.0	109.3	3,120.2	0.00	0.00	0.00
13,500.0	89.84	359.99	10,392.7	3,327.0	109.3	3,328.2	0.00	0.00	0.00
			10,393.0					0.00	
13,600.0	89.84 80.84	359.99	10,393.0	3,427.0	109.2	3,428.2	0.00	0.00	0.00
13,700.0	89.84	359.99		3,527.0	109.2	3,528.2	0.00		0.00
13,800.0	89.84	359.99	10,393.5	3,627.0	109.2	3,628.2	0.00	0.00	0.00
13,900.0	89.84	359.99	10,393.8	3,727.0	109.1	3,728.1	0.00	0.00	0.00
14,000.0	89.84	359.99	10,394.1	3,827.0	109.1	3,828.1	0.00	0.00	0.00
14,100.0	89.84	359.99	10,394.4	3,927.0	109.1	3,928.1	0.00	0.00	0.00
14,200.0	89.84	359.99	10,394.7	4,027.0	109.1	4,028.1	0.00	0.00	0.00
14,300.0	89.84	359.99	10,394.9	4,127.0	109.0	4,128.1	0.00	0.00	0.00

Database: Company:

Project:

Site:

Hobbs

Mewbourne Oil Company

Eddy County, New Mexico NAD 83
Foreigner 4/33 W2NK Fee #1H

Well: Sec 9, T24S, R28E

Wellbore: BHL: 2310
Design: Design #1

BHL: 2310' FSL & 2050' FWL, Sec 33

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Site Foreigner 4/33 W2NK Fee #1H WELL @ 3035.0usft (Original Well Elev) WELL @ 3035.0usft (Original Well Elev)

Grid

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)
14,400.0	89.84	359.99	10,395.2	4,227.0	109.0	4,228.1	0.00	0.00	0.00
14,500.0	89.84	359.99	10,395.5	4,327.0	109.0	4,328.1	0.00	0.00	0.00
14,600.0	89.84	359.99	10,395.8	4,427.0	109.0	4,428.1	0.00	0.00	0.00
14,700.0	89.84	359.99	10,396.0	4,527.0	108.9	4,528.1	0.00	0.00	0.00
14,800.0	89.84	359.99	10,396.3	4,627.0	108.9	4,628.0	0.00	0.00	0.00
14,900.0	89.84	359.99	10,396.6	4,727.0	108.9	4,728.0	0.00	0.00	0.00
15,000.0	89.84	359.99	10,396.9	4,827.0	108.9	4,828.0	0.00	0.00	0.00
15,100.0	89.84	359.99	10,397.1	4,927.0	108.8	4,928.0	0.00	0.00	0.00
15,200.0	89.84	359.99	10,397.4	5,027.0	108.8	5,028.0	0.00	0.00	0.00
15,300.0	89.84	359.99	10,397.7	5,127.0	108.8	5,128.0	0.00	0.00	0.00
15,400.0	89.84	359.99	10,398.0	5,227.0	108.8	5,228.0	0.00	0.00	0.00
15,500.0	89.84	359.99	10,398.3	5,327.0	108.7	5,328.0	0.00	0.00	0.00
15,600.0	89.84	359.99	10,398.5	5,427.0	108.7	5,428.0	0.00	0.00	0.00
15,700.0	89.84	359.99	10,398.8	5,527.0	108.7	5,528.0	0.00	0.00	0.00
15,800.0	89.84	359.99	10,399.1	5,627.0	108.6	5,627.9	0.00	0.00	0.00
15,900.0	89.84	359.99	10,399.4	5,727.0	108.6	5,727.9	0.00	0.00	0.00
16,000.0	89.84	359.99	10,399.6	5,827.0	108.6	5,827.9	0.00	0.00	0.00
16,100.0	89.84	359.99	10,399.9	5,927.0	108.6	5,927.9	0.00	0.00	0.00
16,200.0	89.84	359.99	10,400.2	6,027.0	108.5	6,027.9	0.00	0.00	0.00
16,300.0	89.84	359.99	10,400.5	6,127.0	108.5	6,127.9	0.00	0.00	0.00
16,400.0	89.84	359.99	10,400.7	6,227.0	108.5	6,227.9	0.00	0.00	0.00
16,500.0	89.84	359.99	10,401.0	6,327.0	108.5	6,327.9	0.00	0.00	0.00
16,600.0	89.84	359.99	10,401.3	6,427.0	108.4	6,427.9	0.00	0.00	0.00
16,700.0	89.84	359.99	10,401.6	6,527.0	108.4	6,527.8	0.00	0.00	0.00
16,800.0	89.84	359.99	10,401.9	6,627.0	108.4	6,627.8	0.00	0.00	0.00
16,900.0	89.84	359.99	10,402.1	6,727.0	108.4	6,727.8	0.00	0.00	0.00
17,000.0	89.84	359.99	10,402.4	6,827.0	108.3	6,827.8	0.00	0.00	0.00
17,100.0	89.84	359.99	10,402.7	6,927.0	108.3	6,927.8	0.00	0.00	0.00
17,200.0	89.84	359.99	10,403.0	7,027.0	108.3	7,027.8	0.00	0.00	0.00
17,300.0	89.84	359.99	10,403.2	7,127.0	108.3	7,127.8	0.00	0.00	0.00
17,400.0	89.84	359.99	10,403.5	7,227.0	108.2	7,227.8	0.00	0.00	0.00
17,500.0	89.84	359.99	10,403.8	7,327.0	108.2	7,327.8	0.00	0.00	0.00
17,600.0	89.84	359.99	10,404.1	7,427.0	108.2	7,427.8	0.00	0.00	0.00
17,700.0	89.84	359.99	10,404.3	7,527.0	108.2	7,527.7	0.00	0.00	0.00
17,800.0	89.84	359.99	10,404.6	7,627.0	108.1	7,627.7	0.00	0.00	0.00
17,900.0	89.84	359.99	10,404.9	7,727.0	108.1	7,727.7	0.00	0.00	0.00
17,938.0	89.84	359.99	10,405.0	7,765.0	108.1	7,765.8	0.00	0.00	0.00

Database: Hobbs

Company: Mewbourne Oil Company

Project: Eddy County, New Mexico NAD 83
Site: Eddy County, New Mexico NAD 83
Foreigner 4/33 W2NK Fee #1H

Well: Sec 9, T24S, R28E

Wellbore: BHL: 2310' FSL & 2050' FWL, Sec 33

Design: Design #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Site Foreigner 4/33 W2NK Fee #1H WELL @ 3035.0usft (Original Well Elev)

WELL @ 3035.0usft (Original Well Elev)

Grid

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL: 210' FNL & 1940' F - plan hits target cent - Point	0.00 ter	0.00	0.0	0.0	0.0	450,854.00	615,104.90	32.2392483	-104.0947435
KOP: 243' FNL & 2050' I - plan hits target cent - Point	0.00 ter	0.00	9,812.0	-33.0	110.1	450,821.00	615,215.00	32.2391569	-104.0943876
LP/FTP: 330' FSL & 205 - plan hits target cent - Point	0.00 ter	0.00	10,385.0	540.2	110.0	451,394.20	615,214.86	32.2407326	-104.0943840
BHL: 2310' FSL & 2050' - plan hits target cent - Point	0.00 ter	0.00	10,405.0	7,765.0	108.1	458,619.00	615,213.00	32.2605926	-104.0943380

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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

	Saina re, NW 67303							
	NATURAL GAS MANAGEMENT PLAN							
This Natural Gas Manag	gement Plan mi	ast be submitted wi	ith each Applicat	tion for Permit to I	Orill (APD) fo	r a new o	r recompleted well.	
			1 – Plan D fective May 25,					
I. Operator: Mev	vbourne C	Oil Co.	OGRID:	14744	Da	te: 5/2	2/22	
II. Type: X Original	Amendment	due to □ 19.15.27.	9.D(6)(a) NMA	C 🗆 19.15.27.9.D((6)(b) NMAC	☐ Other.	i	
If Other, please describe	:							
III. Well(s): Provide the be recompleted from a s	e following inf ingle well pad	formation for each or connected to a c	new or recomple central delivery p	eted well or set of voint.	wells proposed	d to be dr	illed or proposed to	
Well Name	API						Anticipated roduced Water BBL/D	
Foreigner 4/33 W2NK Fee 1H		C 9 24S 28E	210' FNL x 1940' F	WL 2000	3500		3000	
IV. Central Delivery P	oint Name: _	Foreigne	er 4/33 W2NK Fe	ee 1H	[Se	ee 19.15.2	27.9(D)(1) NMAC]	
V. Anticipated Schedu proposed to be recomple	le: Provide the eted from a sin	following informa gle well pad or con	tion for each new nected to a centi	v or recompleted war al delivery point.	vell or set of w	ells prop	osed to be drilled or	
Well Name	API	Spud Date	TD Reached Date	Completion Commencement		al Flow k Date	First Production Date	
Foreigner 4/33 W2NK Fee 1H		7/2/22	8/2/22	9/2/22	9/1	7/22	9/17/22	
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.								

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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.

M 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	as gathering system \square will \square will not have capacity to gather 100% of the anticipated natural gas
production volume from the well	rior to the date of first production.

XIII. Line Pressure. Operator \square does \square does not anticipate that its existing well(s) connected to the same segment, or positive process.	
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.

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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.

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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: Bradley Bishop
Printed Name: BRADLEY BISHOP
Title: REGULATORY MANAGER
E-mail Address: BBISHOP@MEWBOURNE.COM
Date: 5/2/22
Phone: 575-393-5905
OIL CONSERVATION DIVISION
(Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval:

Mewbourne Oil Company

Natural Gas Management Plan - Attachment

- VI. Separation equipment will be sized by construction engineering staff based on stated manufacturer daily throughput capacities and anticipated daily production rates to ensure adequate capacity. Closed vent system piping, compression needs, and VRUs will be sized utilizing ProMax modelling software to ensure adequate capacity for anticipated production volumes and conditions.
- VII. Mewbourne Oil Company (MOC) will take following actions to comply with the regulations listed in 19.15.27.8:
 - A. MOC will maximize the recovery of natural gas by minimizing the waste, as defined by 19.15.2 NMAC, of natural gas through venting and flaring. MOC will ensure that well(s) will be connected to a natural gas gathering system with sufficient capacity to transport natural gas. If there is no adequate takeaway for the gas, well(s) will be shut in until the natural gas gathering system is available.
 - B. All drilling operations will be equipped with a rig flare located at least 100 ft from the nearest surface hole. Rig flare will be utilized to combust any natural gas that is brought to surface during normal drilling operations. In the case of emergency venting or flaring the volumes will be estimated and reported appropriately.
 - C. During completion operations any natural gas brought to surface will be flared. Immediately following the finish of completion operations, all well flow will be directed to permanent separation equipment. Produced natural gas from separation equipment will be sent to sales. It is not anticipated that gas will not meet pipeline standards. However, if natural gas does not meet gathering pipeline quality specifications, MOC will flare the natural gas for 60 days or until the natural gas meets the pipeline quality specifications, whichever is sooner. MOC will ensure that the flare is sized properly and is equipped with automatic igniter or continuous pilot. The gas sample will analyzed twice per week and the gas will be routed into a gathering system as soon as pipeline specifications are met.
 - D. Natural gas will not be flared with the exceptions and provisions listed in the 19.15.27.8 D.(1) through (4). If there is no adequate takeaway for the separator gas, well(s) will be shut in until the natural gas gathering system is available with exception of emergency or malfunction situations. Venting and/or flaring volumes will be estimated and reported appropriately.
 - E. MOC will comply with the performance standards requirements and provisions listed in 19.15.27.8 E.(1) through (8). All equipment will be designed and sized to handle maximum anticipated pressures and throughputs in order to minimize the waste. Production storage tanks constructed after May 25, 2021 will be equipped with automatic gauging system. Flares constructed after May 25, 2021 will be equipped with automatic igniter or continuous pilot. Flares will be located at least 100' from the well and storage tanks unless otherwise approved by the division. MOC will conduct AVO inspections as described in 19.15.27.8 E (5) (a) with frequencies specified in 19.15.27.8 E (5) (b) and (c). All emergencies will be resolved as quickly and safely as feasible to minimize waste.
 - F. The volume of natural gas that is vented or flared as the result of malfunction or emergency during drilling and completions operations will be estimated. The volume of natural gas that is vented, flared or beneficially used during production operations, will be measured or estimated. MOC will install equipment to measure

the volume of natural gas flared from existing process piping or a flowline piped from equipment such as high pressure separators, heater treaters, or vapor recovery units associated with a well or facility associated with a well authorized by an APD issued after May 25, 2021 that has an average daily production greater than 60 Mcf/day. If metering is not practicable due to circumstances such as low flow rate or low pressure venting and flaring, MOC will estimate the volume of vented or flared natural gas. Measuring equipment will conform to industry standards and will not be designed or equipped with a manifold that allows the diversion of natural gas around the metering element except for the sole purpose of inspecting and servicing the measurement equipment.

VIII. For maintenance activities involving production equipment and compression, venting will be limited to the depressurization of the subject equipment to ensure safe working conditions. For maintenance of production and compression equipment the associated producing wells will be shut in to eliminate venting. For maintenance of VRUs all gas normally routed to the VRU will be routed to flare to eliminate venting.