

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

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

RECEIVED

FEB 12 2020

Submit Original  
to Appropriate  
District Office

EMNRD-OCD ARTESIA

**GAS CAPTURE PLAN**

Date: 1-21-19

Original Operator & OGRID No.: Mewbourne Oil Company - 14744  
 Amended - Reason for Amendment: \_\_\_\_\_

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomple to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

**Well(s)/Production Facility – Name of facility**

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
Oxbow 23/24 W0MP Fed Com #1H		M-23-25S-28E		310' FSL & 215' FWL 0	NA	ONLINE AFTER FRAC

**Gathering System and Pipeline Notification**

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to Western and will be connected to Western low/high pressure gathering system located in EDDY County, New Mexico. It will require 3,400' of pipeline to connect the facility to low/high pressure gathering system. Mewbourne Oil Company provides (periodically) to Western a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, Mewbourne Oil Company and Western have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at Western Processing Plant located in Sec. 36, Blk. 58 T1S, Culberson County, Texas. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

**Flowback Strategy**

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on Western system at that time. Based on current information, it is Operator's belief the system can take this gas upon completion of the well(s).

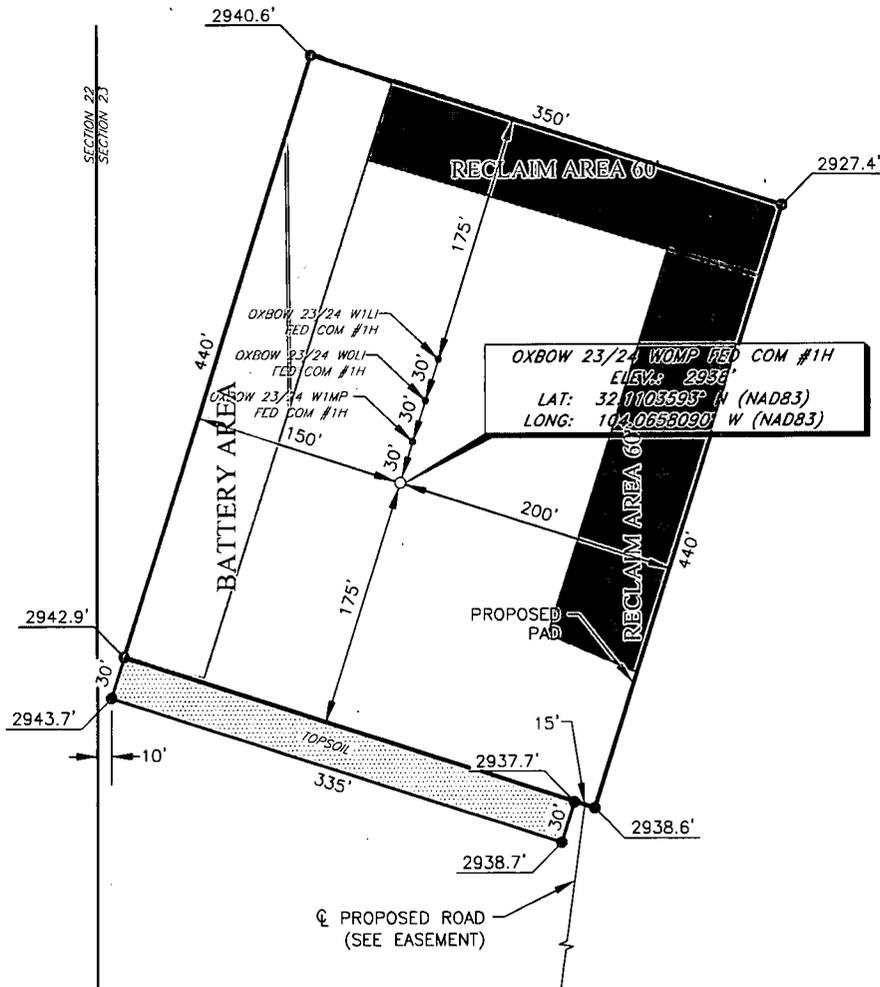
Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

**Alternatives to Reduce Flaring**

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
  - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
  - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

MEWBOURNE OIL COMPANY  
 OXBOW 23/24 WOMP FED COM #1H  
 (810' FSL & 215' FWL)  
 SECTION 23, T25S, R28E  
 N. M. P. M., EDDY COUNTY, NEW MEXICO



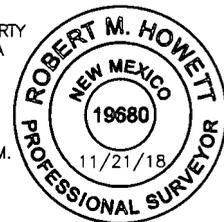
DIRECTIONS TO LOCATION

From the intersection of CR-722 (Bumpy Rd.) and HWY-285 (Pecos HWY);  
 Go South on HWY-285 approx. 1.5 miles to a lease road on the left;  
 Turn left and go East approx. 0.3 miles to a lease road on the left;  
 Turn left and go North approx. 0.5 miles to proposed road;  
 Continue North on proposed road approx. 0.2 miles to location on the left.

THIS IS NOT A BOUNDARY SURVEY, APPARENT PROPERTY CORNERS AND PROPERTY LINES ARE SHOWN FOR INFORMATION ONLY, BOUNDARY DATA IS SHOWN FROM A PREVIOUS SURVEY REFERENCED HEREON.

I, R. M. Howett, a N. M. Professional Surveyor, hereby certify that I prepared this unclassified survey of a well location from an actual survey made on the ground under my direct supervision, said survey and plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

*Robert M. Howett*  
 Robert M. Howett NM PS 19680



SCALE: 1" = 100'

BEARINGS ARE  
 NAD 83 GRID - NM EAST  
 DISTANCES ARE GROUND

Copyright 2016 - All Rights Reserved

NO.	REVISION	DATE
JOB NO.: LS1804459D		
DWG. NO.: 1804459D-4		

**RRC**

701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 100'
DATE: 11-13-2018
SURVEYED BY: ML/TF
DRAWN BY: LPS
APPROVED BY: RMH
SHEET: 1 OF 1

Intent  As Drilled

API #

Operator Name: MEWBOURNE OIL COMPANY	Property Name: OXBOW 23/24 W0MP FED COM	Well Number 1H
---	--	-------------------

Kick Off Point (KOP)

UL M	Section 23	Township 25S	Range 28E	Lot	Feet 330	From N/S S	Feet 10	From E/W W	County EDDY
Latitude 32.1090361					Longitude -104.0664701			NAD 83	

First Take Point (FTP)

UL M	Section 23	Township 25S	Range 28E	Lot	Feet 330	From N/S S	Feet 330	From E/W W	County EDDY
Latitude 32.1090385					Longitude -104.0654398			NAD 83	

Last Take Point (LTP)

UL P	Section 24	Township 25S	Range 28E	Lot	Feet 330	From N/S S	Feet 330	From E/W E	County EDDY
Latitude 32.1091074					Longitude -104.0332197			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit?  N

Is this well an infill well?  Y

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

Operator Name: MEWBOURNE OIL COMPANY	Property Name: OXBOW 23/24 W1MP FED COM	Well Number 1H
---	--	-------------------

**Mewbourne Oil Company**  
**Oxbow 23/24 W0MP Fed Com #1H**  
**Secs. 23 & 24, T25S, R28E**  
**SL: 810' FSL & 215' FWL (23)**  
**BHL: 330' FSL & 330' FEL (24)**

**1. Geologic Formations**

TVD of target	9753'	Pilot hole depth	NA
MD at TD:	19692'	Deepest expected fresh water:	50'

**Basin**

<b>Formation</b>	<b>Depth (TVD) from KB</b>	<b>Water/Mineral Bearing/ Target Zone?</b>	<b>Hazards*</b>
Quaternary Fill	Surface		
Rustler			
Top Salt			
Castile	1145		
Base Salt	2480		
Lamar	2660	Oil/Gas	
Bell Canyon	2690	Oil/Gas	
Cherry Canyon	3565	Oil/Gas	
Manzanita	3710		
Brushy Canyon	5210	Oil/Gas	
Bone Springs	6440	Oil/Gas	
1 <sup>st</sup> Bone Spring	7300	Oil/Gas	
2 <sup>nd</sup> Bone Spring	8095	Oil/Gas	
3 <sup>rd</sup> Bone Spring	9215	Oil/Gas	
Abo			
Wolfcamp	9585	Target Zone	
Devonian			
Fusselman			
Ellenburger			
Granite Wash			

\*H2S, water flows, loss of circulation, abnormal pressures, etc.