

www.permianls.com

575.397.3713 2609 W Marland Hobbs NM 88240

For: Mewbourne Oil Company Sample: Sta# 62506-000

Attention: Mikey Smith Identification: Paduca 7/6 W1ED #2H

Mewbourne

P. O. Box 5270 Company:

Hobbs, New Mexico 88241 Lease: Plant:

Sample Data: Sample Date: 3/22/2018 Sampled by: Mikey Smith

Analysis Date: 3/28/2018 Analysis by: Vicki McDaniel

Sample Temp: 137 F Atmos Temp: 72 F

Sample Press.: 270 PSIA Sample Time: 1:20 PM

H2S = Press. Base: 14.73

Component Analysis

		Mol	GPM	GPM
		Percent	Real	Ideal
Hydrogen Sulfide	H2S			
Nitrogen	N2	0.740		
Methane	C1	75.903		
Carbon Dioxide	CO2	0.094		
Ethane	C2	12.275	3.282	3.274
Propane	C3	5.962	1.642	1.638
I-Butane	IC4	0.881	0.288	0.288
N-Butane	NC4	1.989	0.627	0.625
I-Pentane	IC5	0.475	0.172	0.173
N-Pentane	NC5	0.579	0.251	0.209
Hexanes Plus	C6+	<u>1.102</u>	<u>0.478</u>	0.477
		100.000	6.740	6.684

REAL BTU/CU.FT. Specific Gravity:

1312.0 Wet

Remarks:

Mewbourne Oil Company

Natural Gas Flared Calculation Methodology

Metering low-pressure gas diverted from the Vapor Recovery Unit ("VRU") to backup flare is not technologically feasible. Gas volumes for VRU downtime events will be calculated using an average metered VRU gas to oil production ratio. This GOR is derived from available relevant data.

Average Metered VRU Gas to Oil Production GOR = 0.18 Mcf/BBL

Flared gas volume = GOR * Oil Production Volume (BBL)

<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 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**

QUESTIONS

Action 61454

QI	UESTIONS	
Operator:		OGRID:
MEWBOURNE OIL CO P.O. Box 5270		14744 Action Number:
Hobbs, NM 88241		61454
		Action Type: [C-129] Venting and/or Flaring (C-129)
CUESTIONS		[O-123] Venting and/or Harring (O-123)
QUESTIONS		
Prerequisites	ibaaa jaayaa bafara aantinying wit	th the reat of the questions
Any messages presented in this section, will prevent submission of this application. Please resolve to Incident Well	Not answered.	in the rest of the questions.
Incident Well Incident Facility		A 7/6 W1ED FED COM #2H BATTERY
III GUETT FACILITY	[IAFF2123733973] FADUCA	A 7/0 WIED FED COM #20 BATTERT
Determination of Reporting Requirements		
Answer all questions that apply. The Reason(s) statements are calculated based on your answers an	nd may provide addional guidance.	
Was or is this venting and/or flaring caused by an emergency or malfunction	Yes	
Did or will this venting and/or flaring last eight hours or more cumulatively within any 24-hour period from a single event	Yes	
Is this considered a submission for a venting and/or flaring event	Yes, minor venting and/or	flaring of natural gas.
An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during vi	enting and/or flaring that is or may	be a major or minor release under 19.15.29.7 NMAC.
Was there or will there be at least 50 MCF of natural gas vented and/or flared during this event	Yes	<u> </u>
Did this venting and/or flaring result in the release of ANY liquids (not fully and/or completely flared) that reached (or has a chance of reaching) the ground, a surface, a watercourse, or otherwise, with reasonable probability, endanger public health, the environment or fresh water	No	
Was the venting and/or flaring within an incorporated municipal boundary or withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No	
Equipment Involved		
Primary Equipment Involved	Other (Specify)	
Additional details for Equipment Involved. Please specify	VRU	
Representative Compositional Analysis of Vented or Flared Natural Gas		
Please provide the mole percent for the percentage questions in this group.	T	
Methane (CH4) percentage	76	
Nitrogen (N2) percentage, if greater than one percent	1	
Hydrogen Sulfide (H2S) PPM, rounded up	0	
Carbon Dioxide (C02) percentage, if greater than one percent	0	
Oxygen (02) percentage, if greater than one percent	0	
If you are venting and/or flaring because of Pipeline Specification, please provide the required specification.	ifications for each gas.	
Methane (CH4) percentage quality requirement	Not answered.	
Nitrogen (N2) percentage quality requirement	Not answered.	
Hydrogen Sufide (H2S) PPM quality requirement	Not answered.	
Carbon Dioxide (C02) percentage quality requirement	Not answered.	
Oxygen (02) percentage quality requirement	Not answered.	
Date(s) and Time(s)	T	
Date venting and/or flaring was discovered or commenced	11/09/2021	
Time venting and/or flaring was discovered or commenced	07:00 AM	
Time venting and/or flaring was terminated	11:00 PM	
Cumulative hours during this event	16	

Not answered.

Natural Gas Vented (Mcf) Details

Measured or Estimated Volume of Vented or Flared Natural Gas

Natural Gas Flared (Mcf) Details	Cause: Equipment Failure Other (Specify) Natural Gas Flared Released: 83 Mcf Recovered: 0 Mcf Lost: 83 Mcf]
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	Volume calculated
Is this a gas only submission (i.e. only significant Mcf values reported)	Yes, according to supplied volumes this appears to be a "gas only" report.

Venting or Flaring Resulting from Downstream Activity		
Was or is this venting and/or flaring a result of downstream activity	Not answered.	
Was notification of downstream activity received by you or your operator	Not answered.	
Downstream OGRID that should have notified you or your operator	Not answered.	
Date notified of downstream activity requiring this venting and/or flaring	Not answered.	
Time notified of downstream activity requiring this venting and/or flaring	Not answered.	

Steps and Actions to Prevent Waste	
For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control.	True
Please explain reason for why this event was beyond your operator's control	VRU malfunctioned
Steps taken to limit the duration and magnitude of venting and/or flaring	Repaired VRU
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Continued routine preventive maintenance and daily operational inspections

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 61454

CONDITIONS

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	61454
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
zlacount	If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	11/12/2021