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575.397.3713 2609 W Marland Hobbs NM 88240

For: Mewbourne Oil Company Sample: Sta# 57566

Attention: Mikey Smith Identification: El Mar 21 W0DM (CDP)

P. O. Box 5270 Company: Mewbourne

Hobbs, New Mexico 88241 Lease: Plant:

Sample Data: Sample Date: 5/3/2018 Sampled by: Mikey Smith

Analysis Date: 5/7/2018 Analysis by: Vicki McDaniel

Sample Temp: 99 F Atmos Temp: 77 F

Sample Press.: 107 PSIA Sample Time: 11:30 AM

H2S = Press. Base: 14.65

Component Analysis

		Mol	GPM	GPM
		Percent	Real	Ideal
Hydrogen Sulfide	H2S			
Nitrogen	N2	1.107		
Methane	C1	72.555		
Carbon Dioxide	CO2	0.127		
Ethane	C2	14.066	3.740	3.752
Propane	C3	7.224	1.979	1.985
I-Butane	IC4	0.816	0.266	0.266
N-Butane	NC4	2.200	0.690	0.692
I-Pentane	IC5	0.453	0.163	0.165
N-Pentane	NC5	0.550	0.237	0.199
Hexanes Plus	C6+	0.902	<u>0.389</u>	0.390
		100.000	7.464	7.449

REAL BTU/CU.FT. Specific Gravity:

1333.9 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 29699

QUESTIONS

Op	perator:	OGRID:
	MEWBOURNE OIL CO	14744
	P.O. Box 5270	Action Number:
	Hobbs, NM 88241	29699
		Action Type:
		[C-129] Venting and/or Flaring (C-129)

QUESTIONS

Determination of Reporting Requirements			
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide addional guidance.			
Was or is this venting or flaring caused by an emergency or malfunction	Yes		
Did or will this venting 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 notification of a major venting or flaring	Yes, minor venting or flaring of natural gas.		
The operator shall file a form C-141 instead of a form C-129 for a release that includes liquid during venting or flaring that is or may be a major or minor release under			
Was there or will there be at least 50 MCF of natural gas vented or flared during this event	Yes		
Did this venting 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		

Unregistered Facility Site		
Please provide the facility details, if the venting or flaring occurred or is occuring at a facility that does not have an Facility ID (f#) yet.		
Facility or Site Name	EL MAR 21 W0DM FEDERAL COM #2 BATTERY	
Facility Type	Tank Battery - (TB)	

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.		
Methane (CH4) percentage	73	
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 specifications 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)	
Date venting or flaring was discovered or commenced	05/25/2021
Time venting or flaring was discovered or commenced	08:00 AM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	05/25/2021
Time venting or flaring was terminated	08:00 PM
Total duration of venting or flaring in hours, if venting or flaring has terminated	12
Longest duration of cumulative hours within any 24-hour period during this event	12

Measured or Estimated Volume of Vented or Flared Natural Gas		
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Cause: Repair and Maintenance Production Tank Natural Gas Flared Spilled: 56 Mcf Recovered: 0 Mcf Lost: 56 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 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 or flaring a result of downstream activity	Not answered.
Date notified of downstream activity requiring this venting or flaring	Not answered.
Time notified of downstream activity requiring this venting 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, gas was diverted to backup flare.
Steps taken to limit the duration and magnitude of venting or flaring	Repaired VRU
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Continued routine preventative maintenance and daily operational inspections.

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CONDITIONS

Action 29699

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Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	29699
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
system	If the information provided in this report requires an amendment, submit a [C-129] Request to Amend Venting and/or Flaring Incident, utilizing your incident number from this event.	6/9/2021