

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

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address Mack Energy Coporation P.O. Box 960 Artesia, NM 88210		2 OGRID Number 013837
		3 Reason for Filing Code/ Effective Date NW
4 API Number 30-025-44903	5 Pool Name Fren; Glorieta-Yeso	6 Pool Code 26770
7 Property Code 321610	8 Property Name Partition 24 Federal HE	9 Well Number 1H

II. ¹⁰Surface Location

UI or lot no. Lot 2	Section 19	Township 17S	Range 32E	Lot Idn	Feet from the 1486	North/South Line North	Feet from the 229	East/West line West	County Lea, NM
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11. Bottom Hole Location

UL or lot no. E	Section 24	Township 17S	Range 31E	Lot Idn	Feet from the 1640	North/South line North	Feet from the 79	East/West line West	County Eddy, NM
12 Lse Code F	13 Producing Method Code P	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date				

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 O/G/W
278421	Holly Marketing & Refining Co LLC P.O. Box 1600 Artesia, NM 88211-1600	O
036788	DCP Midstream 4001 Penbrook Odessa, TX 79762	G

IV. Well Completion Data

21 Spud Date 7/10/2019	22 Ready Date 8/31/2019	23 TD 10,660'	24 PBDT 10,635'	25 Perforations 5,694-10,565'	26 DHC, MC
27 Hole Size 17 1/2"	28 Casing & Tubing Size 13 3/8"	29 Depth Set 715'	30 Sacks Cement 725sx		
12 1/4"	9 5/8"	2000'	600sx		
8 1/2"	7" & 5 1/2"	10,660'	1640sx		
	2 7/8" J-55 (Tubing)	5010'			

V. Well Test Data

31 Date New Oil 9/1/2019	32 Gas Delivery Date 9/1/2019	33 Test Date 9/1/2019	34 Test Length 24 hours	35 Tbg. Pressure	36 Csg. Pressure
37 Choke Size 71	38 Oil	39 Water 2499	40 Gas 61		41 Test Method Pumping

42 I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Deana Weaver*

Printed name:
Deana Weaver

Title:
Production Clerk

E-mail Address:
dweaver@mec.com

Date:
9/18/19

Phone:
(575) 748-1288

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

P. M. [Signature]

L.M.

9/24/2019

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC029405A

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator MACK ENERGY CORPORATION			Contact: DEANA WEAVER E-Mail: DWEAVER@MEC.COM		
3. Address P.O. BOX 960 ARTESIA, NM 88210			3a. Phone No. (include area code) Ph: 575-748-1288		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 19 T17S R32E Mer NWNE 1486FNL 229FWL At top prod interval reported below Sec 24 T17S R31E Mer SENE 1558FNL 320FEL At total depth Sec 24 T17S R31E Mer SWNW 1640FNL 79FWL			8. Lease Name and Well No. PARTITION 24 FEDERAL HE 1H		
14. Date Spudded 07/10/2019			15. Date T.D. Reached 07/30/2019		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 08/31/2019			9. API Well No. 30-025-44903		
18. Total Depth: MD TVD 10660			19. Plug Back T.D.: MD TVD 10635		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool, or Exploratory FREN GLORIETA YESO		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)			11. Sec., T., R., M., or Block and Survey or Area Sec 19 T17S R32E Mer		
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)			12. County or Parish LEA		
			13. State NM		
			17. Elevations (DF, KB, RT, GL)* 3929 GL		

23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	48.0	0	715		725		0	
12.250	9.625 J55	36.0	0	2000		600		0	
8.500	5.500 L80	17.0	0	5113		355		2050	
8.500	7.000 L80	26.0	5093	10660		1285		4673	

24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2.875	5010								

25. Producing Intervals					26. Perforation Record				
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) FREN GLORIETA YESO	5694	10565	5694 TO 10565	0.420	2556	OPEN			
B)									
C)									
D)									

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.	
Depth Interval	Amount and Type of Material
5694 TO 10565	1579BBLs 15% ACID, 193,656BBLs SW, 2,330,100# 100 MESH, 2,176,838# WS 40/70, 500,503# 40/70 SLC

28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/01/2019	09/01/2019	24	→	71.0	69.0	2499.0	35.0	0.60	ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→	71	69	2499	971	POW	

28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #483853 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)

SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
QUEEN	2952	2962	SAND, OIL/GAS/WATER	YATES	1963
SAN ANDRES	3710	4000	DOLOMITE, OIL/GAS/WATER	7 RIVERS	2327
YESO	5694	10565	DOLOMITE, OIL/GAS/WATER	QUEEN	2937
				GRAYBURG	3321
				SAN ANDRES	3680
				GLORIETTA	5216

32. Additional remarks (include plugging procedure):

8/8-21/2019 PERFORATED 5,694-10,565'W/ 2556 HOLES. FRAC W/ 2000GALS & 1579.1BBLs 15% ACID, 193,656BBLs SW, 2,330,100# MESH, 2,176,838# 40/70 WS, 500,503# 40/70 SLC.
8/22-29/2019 Drilled out plugs.
8/30/2019 RIH with 152 jts 2 7/8" tubing and sub pump set @ 5010'.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #483853 Verified by the BLM Well Information System.
For MACK ENERGY CORPORATION, sent to the Hobbs

Name (please print) DEANA WEAVERTitle PRODUCTION CLERKSignature (Electronic Submission)Date 09/18/2019

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.5. Lease Serial No.
NMLC029405A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

PARTITION 24 FEDERAL HE 1H

2. Name of Operator

MACK ENERGY CORPORATION

Contact: DEANA WEAVER

E-Mail: dweaver@mec.com

9. API Well No.

30-025-44903

3a. Address

P.O. BOX 960
ARTESIA, NM 88210

3b. Phone No. (include area code)

Ph: 575-748-1288

10. Field and Pool or Exploratory Area

FREN GLORIETA YESO

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 19 T17S R32E SWNW 1486FNL 229FWL

11. County or Parish, State

LEA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Production Start-up
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

8/8-21/2019 Perforated 5694-10565' w/ 2556 holes. Frac w/ 2000gals & 1579.1bbls 15% Acid, 193,656bbls SW, 2,330,100# 100 Mesh, 2,176,838# 40/70 WS, 500,503# 40/70 SLC.

8/22-29/2019 Drilled out plugs.

8/30/2019 RIH with 152 jts 2 7/8" tubing and sub pump.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #483852 verified by the BLM Well Information System
For MACK ENERGY CORPORATION, sent to the Hobbs**

Name (Printed/Typed) DEANA WEAVER

Title PRODUCTION CLERK

Signature (Electronic Submission)

Date 09/18/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****