

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
4 API Number 30-005-64308		3 Reason for Filing Code/ Effective Date NW
5 Pool Name Round Tank; San Andres	6 Pool Code 52770	
7 Property Code 320520	8 Property Name Thunder Bay Federal Com	9 Well Number 1H

II. Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
C	22	15S	29E		10	North	1650	West	Chaves, NM

11. Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	22	15S	29E		12	South	1684	West	Chaves, NM

12 Lse Code F	13 Producing Method Code P	14 Gas Connection Date 10/2/2018	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date
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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
OCT 24 2018		
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IV. Well Completion Data

21 Spud Date	22 Ready Date	23 TD	24 PBDT	25 Perforations	26 DHC, MC
6/21/2018	9/6/2018	8328' / 3319	8281'	3661-8162'	

27 Hole Size	28 Casing & Tubing Size	29 Depth Set	30 Sacks Cement
17 1/2"	13 3/8"	265'	674sx - cur
8 3/4"	7" & 5-1/2" HCP 110	8325' 4978 - 8325	2035sx - cur
	3 1/2" J-55 (tubing)	2497'	

V. Well Test Data

31 Date New Oil	32 Gas Delivery Date	33 Test Date	34 Test Length	35 Tbg. Pressure	36 Csg. Pressure
10/3/2018	10/2/2018	10/3/2018	24 hours		

37 Choke Size	38 Oil	39 Water	40 Gas	41 Test Method
41		1945	63	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: Dcana Weaver

Printed name: Dcana Weaver

Title: Production Clerk

E-mail Address: dweaver@mcc.com

Date: 10.22.18 Phone: (575) 748-1288

OIL CONSERVATION DIVISION

Approved by: Rusty Hines

Title: Business Manager

Approval Date: 10-25-2018

Pending BLM approvals will subsequently be reviewed and scanned

**NM OIL CONSERVATION  
ARTESIA DISTRICT**

OCT 24 2018

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

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5. Lease Serial No.  
NMNM59038

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		8. Lease Name and Well No. THUNDER BAY FEDERAL COM 1H	
Contact: DEANA WEAVER E-Mail: DWEAVER@MEC.COM		9. API Well No. 30-005-64308	
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 NENW 10FNL 1650FWL At top prod interval reported below NENW 678FNL 1692FWL At total depth SESW 12FSL 1684FWL		10. Field and Pool, or Exploratory ROUND TANK; SAN ANDRES	
14. Date Spudded 06/21/2018		15. Date T.D. Reached 06/23/2018	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/30/2018		17. Elevations (DF, KB, RT, GL)* 3844 GL	
18. Total Depth: MD 8328 TVD 3319		19. Plug Back T.D.: MD 8281 TVD 3320	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL, DLL, FDC, GR	
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)			

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J-55	48.0	0	265		674		0	0
8.750	5.500 P-110	17.0	0	4978		1330		0	0
8.750	7.000 P-110	26.0	3248	8325		705		0	0
			4978						

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
3.500	2497	2497						

25. Producing Intervals			26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
ROUND TANK SAN ANDRES	3661	8162	3661 TO 8162	42.000	528	OPEN PERFS
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
3661 TO 8162	1060BBLs 15% ACID, 41,469BBLs 20# X-LINK, 54,589BBLs SW, 669,031# WS 30/50, 3,301,273# WS 20/40

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
10/02/2018	10/03/2018	24	→	41.0	63.0	1945.0	36.2	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
							1537	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	

Pending BLM approvals will subsequently be reviewed and scanned

(See Instructions and spaces for additional data on reverse side)  
ELECTRONIC SUBMISSION #440636 VERIFIED BY THE BLM WELL INFORMATION SYSTEM  
\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OF

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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	1800	1817	SAND/OIL/GAS/WATER	TOP OF SALT	300
SAN ANDRES	3114	8328	DOLOMITE/OIL/GAS/WATER	BASE OF SALT	910
				YATES	1055
				7RVRS	1291
				QUEEN	1780
				GRAYBURG	2170
				SAN ANDRES	2486

32. Additional remarks (include plugging procedure):  
 8/17-28/18 Perforated 3661-8162' w/ 528 holes. Frac w/ 1060bbbls 15% Acid, 54,589bbbls SW, 41,469bbbls 20# X-Link, 548,948# 20/40 SLC, 387,877# 100 Mesh, 689,031# 30/50 WS, 3,301,273# 20/40 WS.  
 9/5/2018 RIH w/ 76lbs 3 1/2 J55 tubing, top of stator @ 2497', intake @ 2527', bull plug @ 2582'.

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 #440636 Verified by the BLM Well Information System.  
 For MACK ENERGY CORPORATION, sent to the Roswell

Name (please print) DEANA WEAVER Title PRODUCTION CLERK

Signature (Electronic Submission) Date 10/22/2018

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 MANAGEMENT

FORM 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.*

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	8. Well Name and No. THUNDER BAY FEDERAL COM 1H
2. Name of Operator MACK ENERGY CORPORATION Contact: DEANA WEAVER E-Mail: DWEAVER@MEC.COM	9. API Well No. 30-005-64308
3a. Address P.O. BOX 960 ARTESIA, NM 88210	3b. Phone No. (include area code) Ph: 575-748-1288
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 22 T15S R29E NENW 10FNL 1650FWL	10. Field and Pool or Exploratory Area ROUND TANK SAN ANDRES
	11. County or Parish, State CHAVES 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Hydraulic Fracturing
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Alter Casing
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Well Integrity
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> New Construction
	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Production Start-up

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 recompleat 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 recompleat 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.

8/17-28/18 Perforate 3661-8162' w/ 528 holes. Frac w/ 1060bbbls 15% Acid, 54,589bbbls SW, 41,469bbbls 20# X-Link, 548,948# 20/40 SLC, 387,677# 100 Mesh, 3,301,273# 20/40 WS, 669,031# 30/50 WS. 9/5/2018 RIH w/ 76jts 3 1/2" J-55 tubing, top stator @ 2497', intake @ 2527', bull plug @ 2582'.

NM OIL CONSERVATION  
ARTESIA DISTRICT

OCT 24 2018

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14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #440834 verified by the BLM Well Information System For MACK ENERGY CORPORATION, sent to the Roswell</b>	
Name (Printed/Typed) DEANA WEAVER	Title PRODUCTION CLERK
Signature (Electronic Submission)	Date 10/22/2018

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By _____	Title _____
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 _____

Pending BLM approvals will subsequently be reviewed and scanned



Secretary of the United States

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and 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 \*\***