

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 Corporation P.O. Box 960 Artesia, NM 88210		2 OGRID Number 013837	
		3 Reason for Filing Code/ Effective Date NW	
4 API Number 30-005-64320	5 Pool Name Round Tank; San Andres <i>NSL 7786</i>		6 Pool Code 52770
7 Property Code 314080	8 Property Name Prince Rupert Federal		9 Well Number 4H

II. <sup>10</sup>Surface Location

UI or lot no. O	Section 17	Township 15S	Range 29E	Lot Idn	Feet from the 565	North/South Line South	Feet from the 1675	East/West line East	County Chaves, NM
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11. Bottom Hole Location

UL or lot no. O	Section 20	Township 15S	Range 29E	Lot Idn	Feet from the 13	North/South line South	Feet from the 1717	East/West line East	County Chaves, NM
12 Lse Code F	13 Producing Method Code P	14 Gas Connection Date 1/10/2019	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

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**JAN 16 2019**  
**DISTRICT II-ARTESIA O.C.D.**

IV. Well Completion Data

21 Spud Date 10/14/2018	22 Ready Date 12/15/2018	23 TD 8775' / <i>3258</i>	24 PBTD 8751'	25 Perforations 3626-8733'	26 DHC, MC
27 Hole Size	28 Casing & Tubing Size	29 Depth Set		30 Sacks Cement	
17 1/2"	13 3/8"	237'		300sx - <i>cure</i>	
12 1/4"	9 5/8"	1195'		760sx - <i>cure</i>	
8 3/4"	7" & 5 1/2" HCP-110 <i>7' 26" 0-3299</i>	<i>5 1/2 174 8775-3299-8775</i>		<i>4740sx 4690 - cure</i>	
	3 1/2" J-55 (tubing)	2503'			

V. Well Test Data

31 Date New Oil 1/10/2019	32 Gas Delivery Date 1/10/2019	33 Test Date 1/10/2019	34 Test Length 24 hours	35 Tbg. Pressure	36 Csg. Pressure
37 Choke Size	38 Oil	39 Water	40 Gas		41 Test Method
	266	980	117		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:  
1/15/2019

Phone:  
(575) 748-1288

Approved by:

Title:

Approval Date:

OIL CONSERVATION DIVISION

*Rusty Kline*  
*Business Ops Spec A*  
*1-30-2019*

Pending BLM approvals will  
subsequently be reviewed  
and scanned

JAN 16 2019

Form 3160-4  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DISTRICT II-ARTESIA O.C.D.

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM131580

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
 b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
 Other \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator  
MACK ENERGY CORPORATION  
 Contact: DEANA WEAVER  
 E-Mail: DWEAVER@MEC.COM

8. Lease Name and Well No.  
PRINCE RUPERT FEDERAL 4H

3. Address P.O. BOX 960  
ARTESIA, NM 88210

3a. Phone No. (include area code)  
Ph: 575-748-1288

9. API Well No.  
30-005-64320

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

Sec 17 T15S R29E Mer  
At surface SWSE 565FSL 1675FEL  
 Sec 20 T15S R29E Mer  
At top prod interval reported below NWNE 100FNL 1718FEL  
 Sec 20 T15S R29E Mer  
At total depth SWSE 13FSL 1717FEL

10. Field and Pool, or Exploratory  
ROUND TANK; SAN ANDRES11. Sec., T., R., M., or Block and Survey  
or Area Sec. 17 T15S R29E Mer12. County or Parish  
CHAVES13. State  
NM14. Date Spudded  
10/14/2018

15. Date T.D. Reached  
10/26/2018 - *RE*  
 10-24-18 TO

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
12/15/2018

17. Elevations (DF, KB, RT, GL)\*  
3788 GL

18. Total Depth: MD 8775  
TVD 3258

19. Plug Back T.D.: MD 8751  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric &amp; Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
 Was DST run? ☒ No ☐ Yes (Submit analysis)  
 Directional Survey? ☐ No ☒ 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 J55	48.0	0	267	237	C 200 300		0	
12.250	9.625 J55	36.0	0	1195		C 760		0	
8.750	7.000 P110	26.0	0	3299		C 4740 4640		0	
8.750	5.500 P110	17.0	3299	8775					

## 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	2503							

## 25. Producing Intervals

## 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
ROUND TANK; SAN ANDRES	3626	8733	3626 TO 8733	0.410	1248	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
3626 TO 8733	3232 BBLS 15% ACID, 6191 BBLS SW, 89981 BBLS 20# XLINK, 381738# 100 MESH, 698555# 30/50 WS,

## 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
01/10/2019	01/10/2019	24	→	266.0	117.0	980.0	35.0	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	
			→	266	117	980	440	POW	

## 28a. Production - Interval B

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

Pending BLM approvals will  
subsequently be reviewed  
and scanned

*1/31/19*

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

ELECTRONIC SUBMISSION #450676 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	1747	1765	SAND, OIL/GAS/WATER	YATES - EST	994
SAN ANDRES	3626	8733	DOLOMITE, OIL/GAS/WATER	7RVRS- EST	1228
				QUEEN- EST	1716
				GRAYBURG- EST	2109
				SAN ANDRES-EST	2426

## 32. Additional remarks (include plugging procedure):

11/27/2018- 12/15/2018 Perforated 3626-8733' w/ 1248 hole. Frac w/ 3,232bbls 15% Acid, 6,191bbls SW, 89,981bbls 20# X-Link, 381,738# 100 Mesh, 698,555# 30/50 WS, 3,330,049# 20/40 WS, 654,316# SLC 20/40. RIH w/ 74jts 3 1/2" J-55 tubing, top of pump @ 2,503'.

## 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 #450676 Verified by the BLM Well Information System.  
For MACK ENERGY CORPORATION, sent to the Roswell

Name (please print) DEANA WEAVERTitle PRODUCTION CLERK

Signature \_\_\_\_\_ (Electronic Submission)

Date 01/15/2019

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.***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		5. Lease Serial No. NMNM131580
2. Name of Operator MACK ENERGY CORPORATION		6. If Indian, Allottee or Tribe Name
3a. Address P.O. BOX 960 ARTESIA, NM 88210		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 575-748-1288		8. Well Name and No. PRINCE RUPERT FEDERAL 4H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 17 T15S R29E SWSE 565FSL 1675FEL		9. API Well No. 30-005-64320
		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 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 recompletion 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.

11/27/2018-12/15/2018 Perforated 3626-8733' w/ 1248 holes. Frac w/ 3,232bbls 15% Acid, 6,191bbls SW, 89,981bbls 20# XLink, 381,738# 100 Mesh, 698,555# 30/50 WS, 3,330,049# 20/40 WS, 654,316# 20/40 SLC. RIH w/ 74jts 3 1/2" J-55 tubing, top of pump @ 2503'.

**RECEIVED****JAN 16 2019****DISTRICT II-ARTESIA O.C.D.**

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #450678 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 01/15/2019

**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  
*1-30-19*

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 \*\***