

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 30-005-64195	5 Pool Name Round Tank; San Andres	6 Pool Code 52770
7 Property Code 37615	8 Property Name Calgary Federal	9 Well Number 7

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

UI or lot no. F	Section 24	Township 15S	Range 28E	Lot Idn	Feet from the 2310	North/South Line North	Feet from the 1600	East/West line West	County Chaves, NM
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11. Bottom Hole Location

UL or lot no. F	Section P	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Lse Code F	13 Producing Method Code P	14 Gas Connection Date 11/6/2016	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
<b>NM OIL CONSERVATION</b> ARTESIA DISTRICT DEC 02 2016  <b>RECEIVED</b>		

IV. Well Completion Data

21 Spud Date 11/4/2014	22 Ready Date 9/22/2016	23 TD 3417'	24 PBTD 3350'	25 Perforations 2857.5-3172.5'	26 DHC, MC
27 Hole Size 12 1/4"	28 Casing & Tubing Size 8 5/8" J-55	29 Depth Set 421'	30 Sacks Cement 795sx		
7 7/8"	5 1/2" L-80	3397'	690sx		
	2 7/8" L-80 (Tubing)	3154'			

V. Well Test Data

31 Date New Oil 11/6/2016	32 Gas Delivery Date 11/6/2016	33 Test Date 11/29/2016	34 Test Length 24 hours	35 Tbg. Pressure	36 Csg. Pressure
37 Choke Size 39	38 Oil	39 Water 500	40 Gas 3		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

OIL CONSERVATION DIVISION

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.*

5. Lease Serial No.  
NMNM4433

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
CALGARY FEDERAL 7

9. API Well No.  
30-005-64195

10. Field and Pool or Exploratory Area  
ROUND TANK SAN ANDRES

11. County or Parish, State  
CHAVES COUNTY, NM

**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. CALGARY FEDERAL 7
2. Name of Operator MACK ENERGY CORPORATION		9. API Well No. 30-005-64195
3a. Address P.O. BOX 960 ARTESIA, NM 88210		10. Field and Pool or Exploratory Area ROUND TANK SAN ANDRES
3b. Phone No. (include area code) Ph: 575-748-1288 Fx: 575-746-9539		11. County or Parish, State CHAVES COUNTY, NM
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 24 T15S R28E SENW 2310FNL 1600FWL		

**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"/> Reclamation
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other
	Production Start-up
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Plug Back

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.

9/8-13/16 PERFORATED 2857.5-3172.5' W/ 40 HOLES. FRAC W/ 2250GALS 15% ACID, 24,821BBLs SW, 42272#  
100 MESH, 488,525# W/ 40/70.  
9/22/16 RIH w/ 97jts 2 7/8 J-55 6.5# , SN @ 3154, 2 1/2 x 2 x 16 pump.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

DEC 02 2016

RECEIVED

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #359291 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 11/30/2016

**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 _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowing States any false, fictitious or fraudulent statements or representations as to any matter within its jurisd

(Instructions on page 2)

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

Pending BLM approvals will  
subsequently be reviewed  
and scanned

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# **NM OIL CONSERVATION** ARTESIA DISTRICT

Form 3160-4  
(August 2007)

DEC 02 2016

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

## **RECEIVED** **COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMNM4433

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: ROBERT CHASE  
E-Mail: JERRY@MEC.COM

8. Lease Name and Well No.  
CALGARY FEDERAL 7

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

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

9. API Well No.  
30-005-64195

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

At surface SENW 2310FNL 1600FWL

At top prod interval reported below SENW 2310FNL 1600FWL

At total depth SENW 2310FNL 1600FWL

10. Field and Pool, or Exploratory  
ROUND TANK SAN ANDRES

11. Sec., T., R., M., or Block and Survey  
or Area Sec 24 T15S R28E Mer

12. County or Parish  
CHAVES

13. State  
NM

14. Date Spudded  
11/04/2014

15. Date T.D. Reached  
11/13/2014

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
09/22/2016

17. Elevations (DF, KB, RT, GL)\*  
3718 GL

18. Total Depth: MD 3417  
TVD

19. Plug Back T.D.: MD 3350  
TVD

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? ☒ 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	8.625 J-55	32.0	0	421		795		0	0
7.875	5.500 L-80	17.0	0	3397		690		0	0

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	3154							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
ROUND TANK SAN ANDRES	2857	3007	2857 TO 3007	0.410	40	OPEN
ROUND TANK SAN ANDRES	3040	3172	3040 TO 3172	0.410	40	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
2857 TO 3172	2250GAL ACID 15%, 24821BBL SW, 42272# 100 MESH, 488525# WI 40/70

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
11/06/2016	11/29/2016	24	→	39.0	3.0	500.0	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	
			→	39	3	500	769	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	
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio		
			→						

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

ELECTRONIC SUBMISSION #359298 VERIFIED BY THE BLM WELL INFORMATION S  
\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED

Pending BLM approvals will  
subsequently be reviewed  
and scanned

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	1484	1502	SAND, OIL/GAS/WATER	YATES	730
SAN ANDRES	2830	3310	DOLOMITE, OIL/GAS/WATER	SEVEN RIVERS	968
				QUEEN	1461
				GRAYBURG	1871
				SAN ANDRES	2217

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

9/9-13/16 PERFORATED 2857.5-3172.5' W/ 40 HOLES. FRAC W/ 2250GALS ACID 15%, 24,821BBLs SW, 42272# 100 MESH, 488,525# WI 40/70.  
9/22/2016 RIH w/ 97jts 2 7/8 J-55 6.5#, SN @ 3154, 2 1/2 x 2 x 16' pump.

## 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 #359298 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 11/30/2016

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 \*\***