

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 30-005-64194		3 Reason for Filing Code/ Effective Date NW
5 Pool Name Round Tank; San Andres		6 Pool Code 52770
7 Property Code 37615	8 Property Name Calgary Federal	9 Well Number 6

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

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
G	24	15S	28E		2310	North	1945	East	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
G	24	15S	28E		2280	North	2277	East	Chaves, NM
12 Lse Code F	13 Producing Method Code P	14 Gas Connection Date 10/19/2016	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

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
OCT 27 2016  
RECEIVED

IV. Well Completion Data

21 Spud Date	22 Ready Date	23 TD	24 PBTD	25 Perforations	26 DHC, MC
10/24/2014	10/19/2016	3443' / 3353	3393'	2843-3219'	
27 Hole Size	28 Casing & Tubing Size	29 Depth Set	30 Sacks Cement		
12 1/4"	8 5/8" J-55	421'	500sx		
7 7/8"	5 1/2" L-80	3437'	670sx		
	2 7/8" L-80 (Tubing)	3243'			

V. Well Test Data

31 Date New Oil	32 Gas Delivery Date	33 Test Date	34 Test Length	35 Tbg. Pressure	36 Csg. Pressure
10/19/2016	10/19/2016	10/25/16	24 hours		
37 Choke Size	38 Oil	39 Water	40 Gas	41 Test Method	
S8		400	30		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:  
10.25.16

Phone:  
575-748-1288

OIL CONSERVATION DIVISION	
Approved by: <i>Karen Sharp</i>	Title: <i>Bus Oper Spec Adv</i>
Approval Date: <i>10/27/16</i>	

Pending BLM approvals will subsequently be reviewed and scanned

**NM OIL CONSERVATION  
ARTESIA DISTRICT**

**OCT 27 2016**

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**

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: **JERRYS@MEC.COM**

8. Lease Name and Well No.  
**CALGARY FEDERAL 6**

3. Address **P.O. BOX 960** 3a. Phone No. (include area code)  
**ARTESIA, NM 88210** Ph: **575-748-1288**

9. API Well No.  
**30-005-64194**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface **SWNE 2310FNL 1945FEL**  
 At top prod interval reported below **SWNE 2277FNL 2284FEL**  
 At total depth **SWNE 2280FNL 2277FEL**

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 **10/24/2014** 15. Date T.D. Reached **10/27/2014** 16. Date Completed  
 D & A  Ready to Prod.  
**09/13/2016**

17. Elevations (DF, KB, RT, GL)\*  
**3723 GL**

18. Total Depth: MD **3443** TVD **MD 3393** 19. Plug Back T.D.: MD **3393** TVD **MD 3393** 20. Depth Bridge Plug Set: MD **3393** TVD **MD 3393**

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	8.625 J-55	32.0	0	421		500		0	0
7.875	5.500 L-80	17.0	0	3437		670		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	3243							

**25. Producing Intervals**

**26. Perforation Record**

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
<b>ROUND TANK SAN ANDRES</b>	<b>2843</b>	<b>3219</b>	<b>2843 TO 3041</b>	<b>0.410</b>	<b>40</b>	<b>OPEN</b>
<b>B)</b>			<b>3070 TO 3219</b>	<b>0.410</b>	<b>40</b>	<b>OPEN</b>
<b>C)</b>						
<b>D)</b>						

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

Depth Interval	Amount and Type of Material
<b>2843 TO 3041</b>	<b>48BBLS ACID, 12,603BBLS SW, 20,000# 100 MESH, 259,401# WI 40/70</b>
<b>3070 TO 3219</b>	<b>40BBLS ACID, 11,216BBLS SW, 19,486# 100 MESH, 219,405# WI 40/70</b>

**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
<b>10/19/2016</b>	<b>10/25/2016</b>	<b>24</b>	<b>→</b>	<b>58.0</b>	<b>30.0</b>	<b>400.0</b>	<b>36.1</b>	<b>0.60</b>	<b>ELECTRIC</b>
<b>Choke Size</b>	<b>Tbg. Press. Flwg. SI</b>	<b>Csg. Press.</b>	<b>24 Hr. Rate</b>	<b>Oil BBL</b>	<b>Gas MCF</b>	<b>Water BBL</b>	<b>Gas:Oil Ratio</b>	<b>Well Status</b>	
			<b>→</b>	<b>58</b>	<b>30</b>	<b>400</b>	<b>517</b>		

**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
			<b>→</b>						
<b>Choke Size</b>	<b>Tbg. Press. Flwg. SI</b>	<b>Csg. Press.</b>	<b>24 Hr. Rate</b>	<b>Oil BBL</b>	<b>Gas MCF</b>	<b>Water BBL</b>	<b>Gas:Oil Ratio</b>	<b>Well Status</b>	
			<b>→</b>						

**Pending BLM approvals will subsequently be reviewed and scanned**

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

**ELECTRONIC SUBMISSION #355877 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	1516	1533	SAND, OIL/GAS/WATER	YATES	744
SAN ANDRES	2842	3352	DOLOMITE, OIL/GAS/WATER	SEVEN RIVERS	979
				QUEEN	1469
				GRAYBURG	1872
				SAN ANDRES	2214

32. Additional remarks (include plugging procedure):

8/5-8/2016 PERF 3070.5-3219' W/ 40 HOLES.  
 9/7/2016 SET PLUG @ 3060'. PERF 2843-3041.5' W/ 40 HOLES, FRAC W/ 88BBLs ACID, 23,819BBLs SW, 39,486# 100 MESH, 478,806# WI 40/70.  
 9/12/2016 DRILLED OUT PLUG @ 3060'. RIH E/99JTS 2 7/8" J-55 TBG, SN @ 3243' 2 1/2X2X16' 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 #355877 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 10/25/2016

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 \*\***

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**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 6

9. API Well No.  
30-005-64194

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

11. County or Parish, and State  
CHAVES COUNTY, NM

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
MACK ENERGY CORPORATION  
Contact: ROBERT CHASE  
E-Mail: JERRYS@MEC.COM

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

3b. Phone No. (include area code)  
Ph: 575-748-1288  
Fx: 575-746-9539

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 24 T15S R28E SWNE 2310FNL 1945FEL

**12. CHECK 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"/> Fracture Treat
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

8/5-8/2016 PERFORATED 3070.5-3219' W/ 40 HOLES.  
9/7/2016 SET PLUG @ 3060'. PERFORATED 2843-3041.5' W/ 40 HOLES. FRAC W/ 88BBLS 15% ACID, 23,819BBLS SW, 39,486# 100 MESH, 478,806# WI 40/70.  
9/12/2016 DRILLED OUT PLUG @ 3060'. RIH W/99JTS 2 7/8" J-55 TBG, SN @ 3243', 2 1/2X2X16' PUMP.

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

**Electronic Submission #355879 verified by the BLM Well Information System  
For MACK ENERGY CORPORATION, sent to the Roswell**

Name (Printed/Typed) DEANA WEAVER Title PRODUCTION CLERK

Signature (Electronic Submission) Date 10/25/2016

**THIS SPACE FOR FEDERAL OR STATE OFFICIAL SIGNATURE**

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 \_\_\_\_\_

Pending BLM approvals will subsequently be reviewed and scanned

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.