

**NM OIL CONSERVATION**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ARTESIA DISTRICT

DEC 05 2014

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.  
NMNM132673

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.  
CALGARY FEDERAL 2

9. API Well No.  
30-005-64199

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

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

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 NESE 1650FSL 990FEL

**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 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"/> Fracture Treat	<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 recomplete 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 recompletion 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.)

10/22/2014 Perforated 3055-3178', 40 holes.  
10/23/2014 Acidized w/ 500 gals 15% acid & 120 balls.  
11/3/2014 Frac w/ 11,908 bbls Slickwater, 21,271# 100 Mesh, 155,729# Whitesand 40/70. Set comp. plug @ 3040'. Perforated 2909-3025' w/ 40 holes. Acidized w/ 1500gals 15% HCL. Frac w/ 8,749 bbls Slickwater, 20,235# 100 Mesh, 114,536# Whitesand 40/70.  
11/10/2014 Drilled out plug @ 3040'.  
11/11/2014 RIH w/ 98jts 2 7/8", 6.5#, J-55 tubing, SN @ 3210', 2 1/2 x 2 x 16' pump.

Accepted for record  
APD NMOC 12/19/14

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

**Electronic Submission #284107 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 12/04/2014

**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

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 States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

DEC 05 2014

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**

RECEIVED

5. Lease Serial No.  
NMNM132673

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: ROBERT CHASE E-Mail: DWEAVER@MEC.COM			8. Lease Name and Well No. CALGARY FEDERAL 2		
3. Address P.O. BOX 960 ARTESIA, NM 88210		3a. Phone No. (include area code) Ph: 575-748-1288	9. API Well No. 30-005-64199		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NESE 1650FSL 990FEL At top prod interval reported below NESE 1650FSL 990FEL At total depth NESE 1650FSL 990FEL			10. Field and Pool, or Exploratory ROUND TANK SAN ANDRES		
14. Date Spudded 10/06/2014			15. Date T.D. Reached 10/10/2014	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 11/11/2014	
18. Total Depth: MD 3397 TVD		19. Plug Back T.D.: MD 3345 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? <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 checked="" type="checkbox"/> No <input 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
12.250	8.625 J-55	32.0	0	421		500		0	0
7.875	5.500 L-80	17.0	0	3391		650		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	3210							

25. Producing Intervals			26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
ROUND TANK SAN ANDRES	2909	3025	2909 TO 3025	0.420	40	OPEN
ROUND TANK SAN ANDRES	3055	3178	3055 TO 3178	0.420	40	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
2909 TO 3025	1500GALS 15% HCL ACID, 8749BBLs SLICKWATER, 20,235# 100 MESH, 114,536# WHITESAND 40/70
3055 TO 3178	500GALS 15% HCL ACID, 11,908BBLs SLICKWATER, 21,271# 100 MESH, 155,729# WHITESAND 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
11/20/2014	11/21/2014	24	→	3.0	7.0	400.0	37.5	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	
			→	3	7	400	2333	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

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	1482	1496	SAND, OIL/GAS/ WATER	YATES	734
SAN ANDRES	2900	3200	DOLOMITE, OIL/GAS/WATER	SEVEN RIVERS	968
				QUEEN	1460
				GRAYBURG	1858
				SAN ANDRES	2176

32. Additional remarks (include plugging procedure):

10/22/2014 PERFORATED 3055-3178', 40 HOLES.  
 10/23/2014 ACIDIZED W/ 500 GALS 15% ACID & 120 BALLS.  
 11/3/2014 FRAC W/ 11,908 BBLs SLICKWATER, 21,271# 100 MESH, 155,729# WHITESAND 40/70. SET  
 COMP PLUG @ 3040'. PERFORATED 2909-3025' W. 40 HOLES. ACIDIZED W/ 1500 GALS 15% HCL.  
 FRAC W/ 8749 BBLs SLICKWATER, 20,235# 100 MESH, 114,536# WHITESAND 40/70.  
 11/10/2014 DRILLED OUT PLUG @ 3040'.  
 11/11/2014 RIH W/ 98 JTS 6.5# J-55 TUBING, SN @ 3210', 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 #284108 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 12/04/2014

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 \*\***

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
81 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 30-005-64199		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 2

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
I	24	15S	28E		1650	South	990	East	Chaves

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
F									
12 Lse Code F	13 Producing Method Code P	14 Gas Connection Date 11/20/2014	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 05 2014 RECEIVED		

IV. Well Completion Data

21 Spud Date	22 Ready Date	23 TD	24 PBTD	25 Perforations	26 DHC, MC
10/6/2014	11/11/2014	3397'	3345'	2909-3178'	
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	3391'	650sx		
	2 7/8" J-55	3210'			

V. Well Test Data

31 Date New Oil	32 Gas Delivery Date	33 Test Date	34 Test Length	35 Tbg. Pressure	36 Csg. Pressure
11/20/2014	11/20/2014	11/21/2014	24 hours		
37 Choke Size	38 Oil	39 Water	40 Gas	41 Test Method	
3		7	400	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: <i>Deana weaver</i>	OIL CONSERVATION DIVISION	
Printed name: Deana Weaver	Approved by: <i>ADade</i>	
Title: Production Clerk	Title: <i>Dir. J. Spenser</i>	
E-mail Address: dweaver@mec.com	Approval Date: <i>12/19/14</i>	
Date: <i>12.4.14</i>	Phone: (575) 748-1288	

Pending BLM approvals will subsequently be reviewed and scanned