

District I
1625 N. French Dr., Hobbs, NM 88240
District II
813 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 30-005-64199	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. ¹⁰Surface 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

II. 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
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

NM OIL CONSERVATION
ARTESIA DISTRICT
DEC 05 2014

RECEIVED

IV. Well Completion Data

21 Spud Date 10/6/2014	22 Ready Date 11/11/2014	23 TD 3397'	24 PBTD 3345'	25 Perforations 2909-3178'	26 DHC, MC
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 11/20/2014	32 Gas Delivery Date 11/20/2014	33 Test Date 11/21/2014	34 Test Length 24 hours	35 Tbg. Pressure	36 Csg. Pressure
37 Choke Size 3	38 Oil	39 Water 7	40 Gas 400		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 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: 12.4.14
Phone: (575) 748-1288

OIL CONSERVATION DIVISION

Approved by: *ADade*

Title: *Dir. J. S. Spencer*

Approval Date: 12/19/14

Pending BLM approvals will subsequently be reviewed and scanned

NM OIL CONSERVATION

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
ARTESIA DISTRICT
DEC 05 2014FORM 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.

8. Well Name and No.
CALGARY FEDERAL 29. API Well No.
30-005-6419910. Field and Pool, or Exploratory
ROUND TANK SAN ANDRES11. County or Parish, and State
CHAVES COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
MACK ENERGY CORPORATIONContact: ROBERT CHASE
E-Mail: JERRYS@MEC.COM3a. Address
P.O. BOX 960
ARTESIA, NM 882103b. 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
JPD 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 scannedTitle 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.

Department or agency of the United

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

NM OIL CONSERVATION ARTESIA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEC 05 2014

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

5. Lease Serial No.
NMNM132673

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
CALGARY FEDERAL 2

9. API Well No.
30-005-64199

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

17. Elevations (DF, KB, RT, GL)*
3712 GL

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

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

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 NESE 1650FSL 990FEL

At top prod interval reported below NESE 1650FSL 990FEL

At total depth NESE 1650FSL 990FEL

14. Date Spudded 10/06/2014 15. Date T.D. Reached 10/10/2014 16. Date Completed
☐ D & A ☒ 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? ☒ 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	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

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

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

ELECTRONIC SUBMISSION #284108 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 SAN ANDRES	1482 2900	1496 3200	SAND, OIL/GAS/ WATER DOLOMITE, OIL/GAS/WATER	YATES SEVEN RIVERS QUEEN GRAYBURG SAN ANDRES	734 968 1460 1858 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 ** ORIGINAL **