

# NM OIL CONSERVATION

ARTESIA DISTRICT

JUL 30 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.  
NMNM89882

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.  
RAZORBACK FEDERAL 5

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

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

9. API Well No.  
30-015-40928 S2

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

At surface SWNW 1650FNL 330FWL

At top prod interval reported below SWNW 1650FNL 330FWL

At total depth SWNW 1650FNL 330FWL

10. Field and Pool, or Exploratory  
TAMANO SAN ANDRES

11. Sec., T., R., M., or Block and Survey  
or Area Sec 3 T18S R31E Mer

12. County or Parish  
EDDY

13. State  
NM

14. Date Spudded  
02/13/2013

15. Date T.D. Reached  
02/22/2013

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
06/19/2014

17. Elevations (DF, KB, RT, GL)\*  
3747 GL

18. Total Depth: MD 5619  
TVD 5619

19. Plug Back T.D.: MD 4365  
TVD 4365

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
SUBMITTED 6/7/2013

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	770		710		0	0
12.250	8.625 K55	32.0	0	2050		1125		0	0
7.875	5.500 L80	17.0	0	5619		800		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	4245							

#### 25. Producing Intervals

#### 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) TAMANO SAN ANDRES	4214	4239	4214 TO 4239	0.420	50	OPEN
B)			4601 TO 4631	0.370	30	CIBP @ 4400' WI 35' CMT CAP
C)			4654 TO 4681	0.370	27	CIBP @ 4400' WI 35' CMT CAP
D)						

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

Depth Interval	Amount and Type of Material
4214 TO 4239	9034BBL Slickwater, 17834# 100 MESH, 119716# WHITESAND 40/70, 1416GALS 15% HCL ACID

#### 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
07/01/2014	07/14/2014	24	→	6.0	12.0	102.0	37.6	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	
			→	6	12	102	2000		

#### 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
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

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

ELECTRONIC SUBMISSION #254525 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

✓  
DRC 6/25/13

## 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
GRAYBURG	3727	3751	DOLOMITIC SAND, OIL/GAS	RUSTLER	705
PREMIER SAND	3967	3983	DOLOMITIC SAND, OIL/GAS	TOP SALT	808
PREMIER SAND	3996	4013	DOLOMITIC SAND, OIL/GAS	BASE SALT	1955
PREMIER SAND	4050	4070	DOLOMITIC SAND, WATER	YATES	2044
PREMIER SAND	4107	4129	DOLOMITIC SAND, WATER	SEVEN RIVERS	2481
SAN ANDRES	4207	4240	DOLOMITIC, OIL/GAS	QUEEN	3161
DELAWARE	4589	4705	DOLOMITIC SAND, OIL/GAS	GRAYBURG	3619
SAN ANDRES	5207	5260	DOLOMITE, OIL/GAS	SAN ANDRES	4168

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

5/29/2014 Set CIBP @ 4400' w/ 35' CMT CAP. PERFORATED 4214-4234' W/ 40 HOLES & 4119-4125' W/ 10 HOLES.  
5/30/2014 SET CIBP @ 4150'. TRIED TO SQUEEZE PERFS @ 4119-4125', UNABLE TO PUMP INTO PERFS. (3160-5 Approved 5/30/14)  
6/2/2014 TESTED PERFS @ 4119-4125' TO 860# HELD FOR 30 MINS. PAUL SWARTZ W/ BLM WITNESSED TEST. DRILLED OUT CIBP @ 4150'.  
6/3/2014 PERFORATED 4234-4239' W/ 10 HOLES.  
6/4/2014 ACIDIZED W/ 1416 GALS 15% HCL ACID.

## 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 #254525 Verified by the BLM Well Information System.  
For MACK ENERGY CORPORATION, sent to the Carlsbad

Name (please print) DEANA WEAVER

Title PRODUCTION CLERK

Signature (Electronic Submission)

Date 07/24/2014

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 \*\*

**Additional data for transaction #254525 that would not fit on the form**

**32: Additional remarks, continued**

6/16/2014 FRAC PERFS @ 4214-4239' W/ 9,034 BBLS SLICKWATER, 17834# 100 MESH, 119,716# WHITESAND 40/70.

6/18/2014 PIH W/ 136JTS 2 7/8" J-55 6.5# TUBING, SN @ 4245', 2 1/2 X 2 X 20' PUMP.

BOX 31, CONTINUED  
DELAWARE: 4589