

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM89882
2. Name of Operator MACK ENERGY CORPORATION		6. If Indian, Allottee or Tribe Name
Contact: JERRY W SHERRELL E-Mail: jerrys@mec.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address PO BOX 960 ARTESIA, NM 88211-0960	3b. Phone No. (include area code) Ph: 575-748-1288	8. Well Name and No. RAZORBACK FEDERAL 5
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec:3 T18S R31E Mer NMP SWNW 1650FNL 330FWL		9. API Well No. 30-015-40928
		10. Field and Pool, or Exploratory TAMANO; SAN ANDRES
		11. County or Parish, and State EDDY COUNTY, NM

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA.**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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	
	<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 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.)

Mack Energy errantly perforated out of approved formation. Intended perforations were 4219-4239' in the San Andres formation, top of San Andres is 4167'. Perforations were shot from 4119-4124'.

At this time we request approval to set a CIBP @ 4150', squeeze perms rom 4119-4124' with class C cement.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

JUN 06 2014

Accepted for record

NMOCDCS  
6/6/14

RECEIVED

14. I hereby certify that the foregoing is true and correct. Electronic Submission #247528 verified by the BLM Well Information System For MACK ENERGY CORPORATION, sent to the Carlsbad Committed to AFMSS for processing by DUNCAN WHITLOCK on 05/29/2014 ()		SEE ATTACHED FOR CONDITIONS OF APPROVAL	
Name (Printed/Typed) JERRY W SHERRELL	Title PRODUCTION CLERK		
Signature (Electronic Submission)	Date 05/29/2014	APPROVED	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE			
Approved By	Title	MAY 30 2014 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	Paul R. Smith	
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 the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.		BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE	

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

## Conditions of Approval

**Mack Energy Corporation**

**Razorback - 05**

**API 3001540928, T18S-R31E, Sec 03**

May 29, 2014

1. Due to being within the Lesser Prairie Chicken habitat, this workover activity will be restricted to the hours of 9:00am through 3:00am for the period of March 1 through June 15. Exceptions to these restrictions may be granted by BLM's Johnny Chopp <jchopp@blm.gov> 575.234.2227 or Bob Ballard <bballard@blm.gov> 575.234.5973.
2. Provide BLM with an existing electronic copy (Adobe Acrobat Document) cement bond log record ran without pressure from 5000 or below to top of cement. The CBL may be attached to a [pswartz@blm.gov](mailto:pswartz@blm.gov) email.
3. Set the CIBP at 4150 and after extended curing time, drill the cement squeeze of the errant 4119-24 perforations.
4. **A BLM PET witnessed 30 minute (charted) casing integrity test of the cement squeeze is required. Document the pressure test on a one hour full rotation calibrated recorder chart registering within 25 to 85 per cent of its full range.**
5. Should the 5 ½" casing be need to withstand fracture pressure, it is advised that the test be to that pressure. Test to 1500psig if a tubing work string and packer is planned for use during the frac procedure.
6. Verify all annular casing vent valves are open to the surface during this pressure test.
7. Make arrangements 24 hours before the test for BLM to witness. In Eddy County email Paul R. Swartz [pswartz@blm.gov](mailto:pswartz@blm.gov) or phone 575-200-7902, if there is no response, 575-361-2822. If no answer, leave a voice mail or email with the API#, workover purpose, and a call back phone number.
8. Pressure leakoff may require correction or adjustment to the frac procedure for approval. The CFO BLM on call engineer may be reached at 575-706-2779.
9. Include a copy of the chart in the subsequent sundry for this workover.
10. Previous conditions of approval for the notice of intent received 02/24/2014 and approved 05/08/2014 by Chris Walls also continue until this plug back procedure is completed on this well.

Access information for use of Form 3160-5 "Sundry Notices and Reports on Wells"

NM Fed Regs & Forms - [http://www.blm.gov/nm/st/en/prog/energy/oil\\_and\\_gas.html](http://www.blm.gov/nm/st/en/prog/energy/oil_and_gas.html)

§ 43 CFR 3162.3-2 Subsequent Well Operations.

§ 43 CFR 3160.0-9 (c)(1) Information collection.

§ 3162.4-1 (c) Well records and reports