

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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

MAY 12 2009

SUNDRY NOTICES AND REPORTS ON WELLS
*Do not use this form proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*5 Lease Serial No.
NMLC-046119A NM 109644
6 If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1 Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2 Name of Operator

Mack Energy Corporation

3a Address

P.O. Box 960 Artesia, NM 88210-0960

3b Phone No. (include area code)

(575) 748-1288

4 Location of Well (Footage, Sec., T,R,M, or Survey Description)

2285 FSL & 40 FEL, Sec. 17 T16S R29E

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

8 Well Name and No.

Redskins Federal Com #1

9. API Well No.

30-015-36511

10. Field and Pool or Exploratory Area

Ishee Lake; Abo

11. Country or Parish, State

Eddy, NM

12 CHECK THE 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 type="checkbox"/> Other
	<input checked="" 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 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must 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 Corporation proposes to change the casing strings as follows:

Surface casing: Drill 12 1/4 hole, set 8 5/8 J-55 24# ST&C set at 380', cmt w/400sx Class C. Safety factors C/B/T 7.376/5.763/5.9.
Production casing: Drill a 7 7/8 pilot hole to 7300', log well. Set cement plug back to KOP of approximately 6450'. Drill 7 7/8 hole to 6800', reduce hole size to 6 1/8" to 11,425'. A split string using a crossover of production casing will be run. 5 1/2" casing from 0-6200' with a external casing packer and ported collar at 6100' to cement 5 1/2 casing back to surface. 4 1/2 casing from 6200-11,430' with isolation packers and strata ports.

Safety Factors: 5 1/2 17# HCP-110 LT&C C/B/T 2.554/3.349/3.547.

4 1/2 11.6# HCP-110 Buttress C/B/T 3.504/3.593/3.563.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14 I hereby certify that the foregoing is true and correct Name (Printed/Typed)

Jerry W. Sherrell

Title Production Clerk

Signature

Date 4/24/09

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

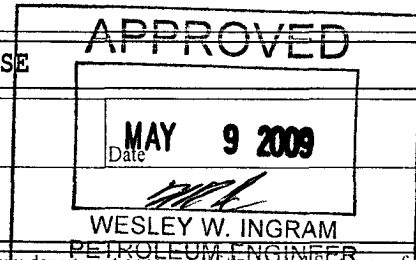
Title

Office

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.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for my 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

(Instructions on page 2)





"Jerry Sherrell"
<jerrys@mackenergycorp.com>
m>

04/28/2009 04:13 PM

To <Wesley_Ingram@blm.gov>

cc

bcc

Subject RE: Redskins Fed Com #1

Sorry!

Wesley,

Here is the cement detail. Single stage, 3 slurries.

715sx 50/50/10 Class C + add, wt 11.8, yld 2.45 175sx 61/15/11 Class Poz
+ add, wt 13.2, yld 1.64 100sx Class C + add, wt 14.8, yld 1.33

-----Original Message-----

From: Wesley_Ingram@blm.gov [mailto:Wesley_Ingram@blm.gov]

Sent: Tuesday, April 28, 2009 4:11 PM

To: Jerry Sherrell

Subject: RE: Redskins Fed Com #1

Jerry,

The sundry for this one with the modification to two casing strings does not have any cement information for the production casing.

Thanks,

Wesley

PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Mack Energy Corp
LEASE NO.:	NM109644
WELL NAME & NO.:	1-Redskins Federal Com
SURFACE HOLE FOOTAGE:	2285' FSL & 40' FEL
BOTTOM HOLE FOOTAGE	2285' FSL & 330' FWL
LOCATION:	Section 17, T. 16 S., R 29 E., NMPM
COUNTY:	Eddy County, New Mexico

I. DRILLING

A. DRILLING OPERATIONS REQUIREMENTS

The BLM is to be notified a minimum of 4 hours in advance for a representative to witness:

- a. Spudding well
- b. Setting and/or Cementing of all casing strings
- c. BOPE tests

☒ **Eddy County**

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,
(575) 361-2822

1. **Although Hydrogen Sulfide has not been reported in this section, it is always a possible hazard. It has been reported in the Township to the east. If Hydrogen Sulfide is encountered, please report measured amounts and formations to the BLM.**
2. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
3. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

B. CASING

Changes to the approved APD casing and cement program require submitting a sundry and receiving approval prior to work. Failure to obtain approval prior to work will result in an Incident of Non-Compliance being issued.

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) time for a primary cement job will be a minimum 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compressive strength, whichever is greater for all casing strings. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. See individual casing strings for details regarding lead cement slurry requirements.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

**Possible lost circulation in the Grayburg and San Andres formations.
Possible brine and water flows in the Salado and Artesia Groups.**

1. The 8-5/8 inch surface casing shall be set **at approximately 380 feet (a minimum of 25 feet into the Rustler Anhydrite and above the salt)** and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with a surface log readout will be used or a cement bond log shall be run to verify the top of the cement.
 - b. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.**
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.

If lost circulation is encountered while drilling the production wellbore, the operator is to contact the BLM to discuss the cement program prior to running the production casing.

Pilot plug as noted is to go from bottom hole to kick off point.

2. The minimum required fill of cement behind the **5-1/2 inch with crossover to 4-1/2"** inch production casing is:

☒ **Cement to circulate from 6100' to surface.** If cement does not circulate, contact the appropriate BLM office.

The ported collar must be a minimum of 50' below the top of the Abo formation. This will be verified with the logs run to 7300'.

☒ No cement required with the 4-1/2" segment as it will have packers.

3. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
4. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

C. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
2. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **3000 (3M) psi. Operator installing 3M system and testing as 2M.**
3. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. The tests shall be done by an independent service company.
 - b. The results of the test shall be reported to the appropriate BLM office.
 - c. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
 - d. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug.

- e. **Effective November 1, 2008, no variances will be granted on reduced pressure tests on the surface casing and BOP/BOPE. Onshore Order 2 requirements will be in effect.**

D. DRILLING MUD

1. **Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Abo formation, and shall be used until production casing is run and cemented.**
2. **The operator is to monitor the mud system for possible gas kicks until such time that the production casing is cemented as the proposed casing program will not permit shutting in the BOP without creating the possibility of an underground blowout.**

E. DRILL STEM TEST

If drill stem tests are performed, Onshore Order 2.III.D shall be followed.

WWI 042809