

New Mexico Oil Conservation Division, District I

1625 N. French Drive

Form 3160-5
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

FEB 15 2011

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.

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)

1980 FSL & 660 FEL, Sec. 30 T15S R30E

5. Lease Serial No.

NMNM55133

6. If Indian, Allottee or Tribe Name

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

NMNM90989

8. Well Name and No.

Big Lucky Lake Com #2

9. API Well No.

30-005-00517

10. Field and Pool or Exploratory Area

Little Lucky Lake; Morrow

11. Country or Parish, State

Chaves, 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 type="checkbox"/> Change Plans	<input checked="" 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 must 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 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.)

Notify BLM 24 hours prior to starting plugging operations.

1) Set CIBP @ 9930' w/35' cmt cap.

2) Set w/tbg. 25sx plug from 7475-7730' (Top of Wolfcamp).

3) Perf @ 6450' squeeze 57sx from 6450-6300' inside and outside of casing (Top of Abo). - Tag

4) Perf @ 4430' squeeze 38sx from 4330-4430' inside and out side of casing (Top of Glorietta). - Tag

5) Set w/tbg. 25sx plug from 3040-2785' (9 5/8 shoe). - Tag

6) Set w/tbg. 25sx plug from 1516-1260', WOC and tag (Top of salt).

7) Set w/tbg. 25sx plug from 585-329' (13 3/8 shoe). - Tag

8) Circulate cement from 60' to surface. - Perforate @ 60'

9) Install P & A marker.

Perforate @ 3040' & Squeeze 100sx.
Perforate @ 1516' & Squeeze 100sx.
Perforate @ 585' & Squeeze 100sx.

Note: Circ. well with salt gel mud consisting of at least 9.5# Brine with 25 pounds of gel per barrel after the bottom plug is set.

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

Jerry W. Sherrell

Title Production Clerk

Signature

Jerry W. Sherrell

Date 1/14/11

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/S/ DAVID R. GLASS

PETROLEUM ENGINEER

Title

Date

FEB 10 2011

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

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)

APPROVED FOR 90 DAY MONTH PERIOD
ENDING MAY 11 2011

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Mack Energy Corporation

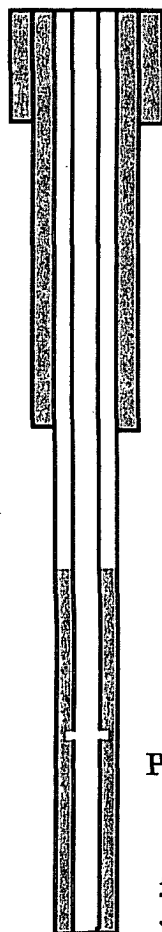
Big Lucky Lake Federal #2

API # 30-005-00517

Sec. 30 T17S R30E

1980 FSL 660 FEL

Before



13 3/8 casing @ 457'
w/ 350sx, circ.

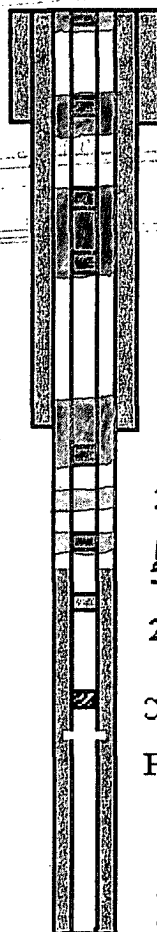
9 5/8 casing @ 2915'
w/ 600sx, circ.

Perfs 9980-9988'

5 1/2 casing @ 10218
w/ 1305sx, TOC @ 6500'

TD @ 10415'

After



Perforate @ 60' &
Circ cmt from 60' to surface

Perforate @ 585' & Squeeze 100
25sx cmt plug 329-585' - Tag

13 3/8 casing @ 457'
w/ 350sx, circ.

Perforate @ 1516' & Squeeze 100
25sx cmt plug 1260-1516' - Tag

Perforate @ 3040' & Squeeze 100
25sx cmt plug 2785-3040' - Tag

9 5/8 casing @ 2915'
w/ 600sx, circ.

Perforate @ 4430' & Squeeze
38sx cmt plug 4330-4430' - Tag

Perforate @ 6450' & Squeeze
57sx cmt plug 6300-6450' - Tag

25sx cmt plug 7475-7730'

CIBP @ 9930 w/ 35' cmt cap

Perfs 9980-9988'

5 1/2 casing @ 10218
w/ 1305sx, TOC @ 6500'

TD @ 10415'

BUREAU OF LAND MANAGEMENT

**Roswell Field Office
2909 West Second Street
Roswell, New Mexico 88201
(575) 627-0272**

Permanent Abandonment of Federal Wells Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. **Plugging operations** shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon. **If you are unable to plug the well by the 90th day provide the BLM Roswell Field Office, prior to the 90th day, with the reason for not meeting the deadline and a date when the BLM Roswell Field Office can expect the well to be plugged. Failure to do so will result in enforcement action.**

2. **Notification:** Contact the BLM Roswell Field Office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, during office hours call (575) 627-0205 or after office hours call (575) 420-2832. Engineer on call during office hours phone (575) 627-0275 or phone (after hours) call (575) 626-5749.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9090 feet; a 3M system for a well not deeper than 13636 feet; and a 5M system for a well not deeper than 22727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at a rate of 25 sacks (50 pounds each) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. In lieu of a cement plug in cased hole, a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 50 feet of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either class "C" for up to 7500 feet of depth, mixed at 14.8 lbs./gal with 6.3 gallons of fresh water per sack or class "H" for deeper than 7500 feet plugs, mixed at 16.4 lbs./gal with 4.3 gallons of fresh water per sack.

6. **Monument:** Upon abandonment of the well, all casing shall be cut-off at the base of the cellar or 3-feet below final restored ground level (whichever is deeper). The well bore shall then be covered with a metal plate at least ¼ inch thick and welded in place. The following information shall be permanently inscribed on the dry hole marker: Well name and number, the name of the operator, the lease serial number, the surveyed location (the quarter-quarter section, township and range or other authorized survey designation acceptable to the authorized officer; such as metes and bounds).

7. **Subsequent Plugging Reporting:** Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to the BLM Roswell Field Office. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

Following the submittal and approval of the Subsequent Report of Abandonment, a Notice of Intent for Final Abandonment with the proposed surface restoration procedure must be submitted for approval.