

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION
FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993
Artesia, NM 88210
5. Lease Designation and Serial No.

CISF

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	6. If Indian, Allottee or Tribe Name
2. Name of Operator Mack Energy	7. If Unit or CA, Agreement Designation
3. Address and Telephone No. P.O. Box 1359 - Artesia, New Mexico 88211-1359	8. Well Name and No. Brainard Tract 4 #6
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec. 34 T-18-S R-29-E 2204 FSL 2310 FEL	9. API Well No. 30-015-03506
	10. Field and Pool, or Exploratory Area
	11. County or Parish, State Eddy, N.M.

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

- 1) Circ hole W/mud laden fluid
- 2) Set 2sx Cmt plug of CIBP set @ 1995
- 3) Perf csg 50' below base salt (985')
- 4) Squeeze perf W/25 sx CMT
- 5) Tag plug @ 885'
- 6) Perf csg 50' below top salt (364')
- 7) Squeeze perf W/25 sx Cmt
- 8) Tag plug @ 265'
- 9) Perf csg @ 60'
- 10) Squeeze perf W/cmt, Attempt to Circ cmt to surface on all csg
- 11) Install dry hole marker and clean Location
- 12) We will need workover pit on this location

RECEIVED

APR 11 1995

OIL CON. DIV.
DIST. 2

RECEIVED
APR 11 20 PM '95
OIL CON. DIV.

I hereby certify that the foregoing is true and correct	
Signed <u>Adam Salameh</u>	Title <u>Supervisor</u>
(This space for Federal or State office use)	
Approved by <u>Adam Salameh</u>	Title <u>Petroleum Engineer</u>
Conditions of approval, if any:	Date <u>4/7/95</u>

- SEE ATTACHED -

18 U.S.C. Section 1001, makes 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.

MACK ENERGY CORPORATION

BRAINARD 4 #6

SEC 34 T18S R29E 2204FSL 2310FEL

WELL HISTORY

SHOWS: 975-85,1495-1510

PBTD: 2110'

TD: 2110'

SP Csg: 8 5/8" 24# @ 329' C/w 20sx

LS Csg: 5 1/2" 15# @ 2099' C/w 30sx

T SALT: 314'

B SALT: 935'

PERFS: Open hole 2099-2110

COMPLETION REPORT

12-12-58Frac open hole w/19000 gals and 285sx Sand.

WELL REPORT

5-5-94 Ran in hole w/CIBP and Set @ 1995'. Tested Csg to 300# Held OK.

3-30-95 PROPOSE TO PLUG AND ABANDON AS FOLLOWS:

- 1 Circ hole w/mud laden fluid
- 2 Set 2sx Cmt plug of CIBP set @ 1995
- 3 Perf csg 50' below base salt (985')
- 4 Squeeze perf w/25sx Cmt
- 5 Tag plug @ 885'
- 6 Perf csg 50' below top salt (364')
- 7 Squeeze perf w/25sx Cmt
- 8 Tag plug @ 265'
- 9 Perf csg @ 60'
- 10 Squeeze perf w/cmt, Attempt to Circ cmt to surface on all csg.
- 11 Install dry hole marker and clean location.
- 12 We will need workover pit on this location

Before

MACK ENERGY CORPORATION

LEASE NAME *Brainard 4 #6*

8 5/8 329' C/W 20 sacks

5 1/2 2099' C/W 30 sacks
Open hole perf.
T. D. 2110'

After

MACK ENERGY CORPORATION

LEASE NAME Brainard 4 #6

Perforations 60' cir. cement to surface

8 5/8 329' C/W 20 sacks
Perforations - Top of salt 364'
Squeeze W/25 sacks cement

Perforations - Base of salt at 985'
Squeeze W/25 sacks cement

5 1/2 CIBP at 1995' cap W/35' cement
5 1/2 CIBP set S-S-1994
5 1/2 2099' C/W 30 sacks
Open hole perf.
T.D. 2110'

BUREAU OF LAND MANAGEMENT
CARLSBAD RESOURCE AREA

Permanent Abandonment of Wells on Federal Lands

Conditions of Approval

1. **Approval:** Plugging operations shall commence within 90 days from the approval date of plugging procedure.
2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Eddy County call (505)887-6544 ; for wells in Lea County call (505) 393-3612.
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 9,090 feet; a 3M system for a well not deeper than 13,636 feet ; and a 5M system for a well not deeper than 22,727 feet.
4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the 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 are not final.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either class "C" , for up to 7,500 feet of depth, mixed at 14.8 lbs./gal. with 4.3 gallons of fresh water per sack or class "H" , for deeper than 7,500 feet plugs, mixed at 16.4 lbs./gal. with 4.3 gallons of fresh water per sack.
6. **Dry Hole Marker:** 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 capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. 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, 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 BLM. 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, surface restoration conditions of approval will be developed and furnished to you.