

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0133
Expires: March 31, 1993

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

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Mack Energy Corporation

3. Address and Telephone No.

P.O. Box 1359 Artesia, NM 88211-1359 (505) 748-1288

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

Sec. 27 7-16-S R-31-E 1650 FSL 2310 FEL

5. Lease Designation and Serial No.

NM - 04361

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Federal J-27 #1

9. API Well No.

10. Field and Pool, or Exploratory Area

Square Lake Grbg SA

11. County or Parish, State

Eddy, NM

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

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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. Set 5 1/2 CIBP at 3575' cap with 35' cement.
2. Load hole with mud.
3. Perforate 5 1/2 casing at base of salt 1270' sq. with 50 sxs.
4. Spot 25 sxs cement at top salt 550'.
5. Perforate 5 1/2 casing at 13 3/8 shoe 60' circulate cement to surface.
Set P.A. marker.

RECEIVED

JAN 16 1996

OIL CON. DIV.
DIST. 2

I hereby certify that the foregoing is true and correct

Signed

Raymond Malabrado

Title

Supervisor

Date

1-9-96

(This space for Federal or State office use)

(ORIG. SEC.) JOE G. LARA

Approved by

Title

PETROLEUM ENGINEER

Date

1/9/96

Conditions of approval, if any:

See attached.

COMPANY Mack Energy Corporation
LEASE & WELL NO. Federal J-27 #1
FORMATION _____
COUNTY & STATE Eddy, NM



RAYMOND MALDONADO
SUPERVISOR, P & A OPERATIONS
BUS. (505)393-9171
FAX (505)393-3848
MOBILE (505)390-0540

13 3/8 28' c/w 2 yds.

T. Salt 500' T. Salt was 1" w/50 sxs. 3-24-65

B. Salt 1220'

Perforations 3611' - 3779'

5 1/2 3792' c/w 150 sxs.
T.D. 3800'

CONVERSION FACTORS

MULTIPLY	By	TO OBTAIN
Barrels	5.6146	Cubic Feet
Cubic Feet	7.4806	Gallons
Gallons	0.1337	Cubic Feet
Pounds/gal.	7.4806	Pounds/Cu. Ft.

PIPE VOLUMES

0.00545 x I.D.² in inches = Cu. Ft./Ft.
0.0407 x I.D.² in inches = Gals./Ft.
0.00097 x I.D.² in inches = Bbls./Ft.

HYDROSTATIC PRESSURE

FOR WATER:
0.434 x Depth in Feet = PSI.
FOR OTHER FLUIDS:
0.434 x Depth x Sp. Gr. = PSI.

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Spot 25 sxs cement at 550'.

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Perforations 1270' sq. w/50 sxs.

Perforations 3611' - 3779'
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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 6.3 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.