

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
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 T-16-S R-30-E 660 FSL 1980 FEL

5. Lease Designation and Serial No.  
NM-12764

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
Nunlee Fed. 2

9. API Well No.

10. Field and Pool, or Exploratory Area

Square Lake G-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

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 7" C.I.B.P. at 2800' cap w/35' cement.
2. Load hole with mud.
3. Perforate 7" casing at 8 5/8 shoe 2372' sq. w/50 sxs.
4. Perforate 7" 8 5/8 casing at B. salt 1270' sq. w/60 sxs.
5. Perforate 7" @ 8 5/8 casing at 10" shoe 603' sq. w/75 sxs.
6. Perforate 7" @ 8 5/8 casing at 60' circulate cement between casing leaving 7" full.  
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 Maldonado

Title Supervisor

Date 1-9-96

(This space for Federal or State office use)

Approved by (ORIS, SCD) JOE G. LARA

Title PETROLEUM ENGINEER

Date 1/9/96

Conditions of approval, if any:

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.

\*See Instruction on Reverse Side

Before

COMPANY Mack Energy Corporation  
LEASE & WELL NO. Nunlee #2  
FORMATION Grayburg  
COUNTY & STATE Eddy, NM



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

Elev. 3764

660 FSL & 1980 FEL  
SEC. 27 - 16-30

10" at 553' c/w 50 sxs.

8 5/8 2202-2322 w/75 sxs.

T. salt 530'  
B. salt 1220'  
T. Grayburg 2695' s/g at 2925  
T. San Andres 3009' s/o & g at 2968-75 200'  
s/o at 2988'  
s/o at 3103-08

8-25-43  
Shot with 170 Qts. from 2959-3010  
Shot with 30 Qts. from 2959-30  
Shot with 30 Qts. from 2917-30  
Flowed 105 B.O.P.D.

7" at 2835 c/w 100 sxs/

T.D. 3034  
New T.D. 3221

7-24-45 Deepen well from 3034 to 3221

#### CONVERSION FACTORS

MULTIPLY	By	TO OBTAIN
Barrels	5.6148	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. in inches = Cu. Ft./Ft.  
0.0407 x I.D. in inches = Gals./Ft.  
0.00097 x I.D. 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.

Afton.

COMPANY MACR Energy Corporation  
LEASE & WELL NO. Nunklee Fed 16 2  
FORMATION Grayburg  
COUNTY & STATE Eddy nm

T. SALT 530'

10" of 553 c/w 5095

B. SALT 1220'

8 3/8" at 2322' c/w 7595



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

- (1) Perforate 7" at 8 3/8" shoe 2322' ag w/ 5095
- (2) Perforate 7" at 8 3/8" at B. SALT 1220' ag w/ 6095
- (3) Perforate 7" at 8 3/8" at 10" shoe 603' ag w/ 7595
- (4) Perforate 7" at 8 3/8" at 60' circulate cement to surface between casing leaving 7" FWH

Set 2" CIBP at 2800' cap w/ 35' cement

7" at 2835' c/w 10095

T.D. 3221'

#### 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. <sup>2</sup> in inches = Cu. Ft./Ft.
0.0407 x I.D. <sup>2</sup> in inches = Gals./Ft.
0.00097 x I.D. <sup>2</sup> 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.

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.