

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

NOV 10 2008

FORM APPROVED
Budget Bureau No 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

OCD-ARTESIA

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 960 Artesia, NM 88211-0960 (505)748-1288

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

1675 FNL & 330 FEL, Sec. 5 T16S R30E

5 Lease Designation and Serial No

NMNM-118716

6 If Indian, Allottee or Tribe Name

7 If Unit or CA, Agreement Designation

8 Well Name and No

Eagle Nest Federal #2

9 API Well No

30-015-36696

10 Field and Pool, or Exploratory Area

County Line Tank; Abo

11 County or Parish, State

Eddy, NM

12 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)

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)*

Mack Energy Corporation proposes to change the hole size and casing strings as follows.

Surface casing: No change from COA.

Intermediate casing: Drill 12 1/4 hole, set 8 5/8 J-55 32# ST&C @ 1800', cmt w/650sx Class C. Safety factors C/B/T 2.676/8.010/7.860.

Production casing: Drill a 7 7/8 pilot hole to 7300', log well. Set cement plug back to KOP of approximately 6550'. Drill 7 7/8 hole to 6800', reduce hole size to 6 1/8" to 11,876'. A split string of production casing will be run. 5 1/2" casing from 0-6800' with a external casing packer and ported collar at 6100' to cement 5 1/2 casing back to surface. 4 1/2 casing from 6800-11,876' 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.

ACCEPTED FOR RECORD

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

NOV 13 2008

Gerry Guye, Deputy Field Inspector
NMOCD-District II ARTESIA

14 I hereby certify that the foregoing is true and correct

Signed Gerry W. Sherrill

Title Production Clerk

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any

Title _____

APPROVED

NOV 5 2008

Wesley W. Ingram
PETROLEUM ENGINEER

Title 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

**Eagle Nest Federal #2
30-015-36696
Mack Energy Corporation
November 5, 2008
Conditions of Approval**

- 1. Excess cement on 13-3/8" casing calculates to less than 10% - additional cement will probably be required.**
- 2. Excess cement on 8-5/8" casing calculates to less than 10% - additional cement will probably be required. Cement to surface.**
- 3. Solid cement plug required from pilot hole depth to kick off point.**
- 4. Kick off point of 6550' does not match original directional plan that had kick off point of 6979'. If plan has changed, submit new directional plan.**
- 5. Cement on 5-1/2" casing is to start a minimum of 50' below the top of the Abo. Per operator's information submitted with the APD, the cement for the 5-1/2" casing must start at 6400' or deeper.**

WWI 110508