

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660 FSL 1980 FEL
Sec. 14-T17S-R32E

5. Lease Designation and Serial No.

LC-061842

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Miller BX ~~Federal~~ #5

9. API Well No.

30-025-00547

10. Field and Pool, or Exploratory Area

Maljamar Grayburg SA

11. County or Parish, State

Lea, 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.)*

1. Circ hole w/mud laden fluid.
2. Spot 2sx plug over CIBP @ 3400'.
3. Spot 100' plug 50' below base salt and 50' above base salt: 2235'-2135'.
4. Perf csg 50' below top salt 1145'.
5. Squeeze perfs w/25sx plug.
6. Tag plug @ 977'.
7. Perf csg @ 60'.
8. Squeeze perfs w/cmt. ~~Attempt to~~ Will attempt to circ cmt to surface on all csg.
9. Install dry hole marker and clean location.
10. We will need a workover pit on this location.

14. I hereby certify that the foregoing is true and correct

Signed Crisse D. Carter

Title Production Clerk

Date 4-7-95

(This space for Federal or State office use)

Approved by Orig. Signed by Adam Salameh

Title Petroleum Engineer

Date 4/25/95

Conditions of approval, if any:

- SEE ATTACHED

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

RECEIVED
APR 7 3 09 PM '95
CARTER
AREA

RECEIVED

27 1970
CIVIL RIGHTS
OFFICE

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 14.0 lbs./gal. with 6.3 gallons of fresh water per sack or class "M" , 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.

MAC ENERGY CORPORATION

MILLER BX 5
SEC14 T17S R32E 660FSL 1980FEL

WELL HISTORY

PBTD: 4300'
TD: 4300'
SP Csg: 7 5/8 24# @1027' C/w400sx (cmt circ)
LS Csg: 4 1/2 9.5# @4020' C/w 200sx 10% gel (TOC BY CALC 2020)
T SALT: 1095
B SALT: 2185
PERFS: Open hole

FORMATION TOPS

T YATES 2347
T 7 RIVERS 2704
T QUEEN 3324
T GRAYBURG 3749
6TH ZONE 4028
T SAN ANDRES 4108
8TH ZONE 4269

COMPLETION REPORT

11-29-61 Ran notching tool. Notched at 4285'
11-30-61 Notched at 4070, breakdown at 3400#. Clean out to T.D.
Frac w/30000 gals oil and 30000# sand.
9-25-72 Rigged pulled rods and tbg, tbg gyp up, Ran in hole with tbg
and 4 3/4 bit c/o to 3964 pulled out of hole.
9-26-72 Ran inspection log, set cast iron plug at 3950'
9-25-72 Perfed casing at 3818,24,27,72,80,83,3921,24,Acidize perfs
with 1400 gals acid.

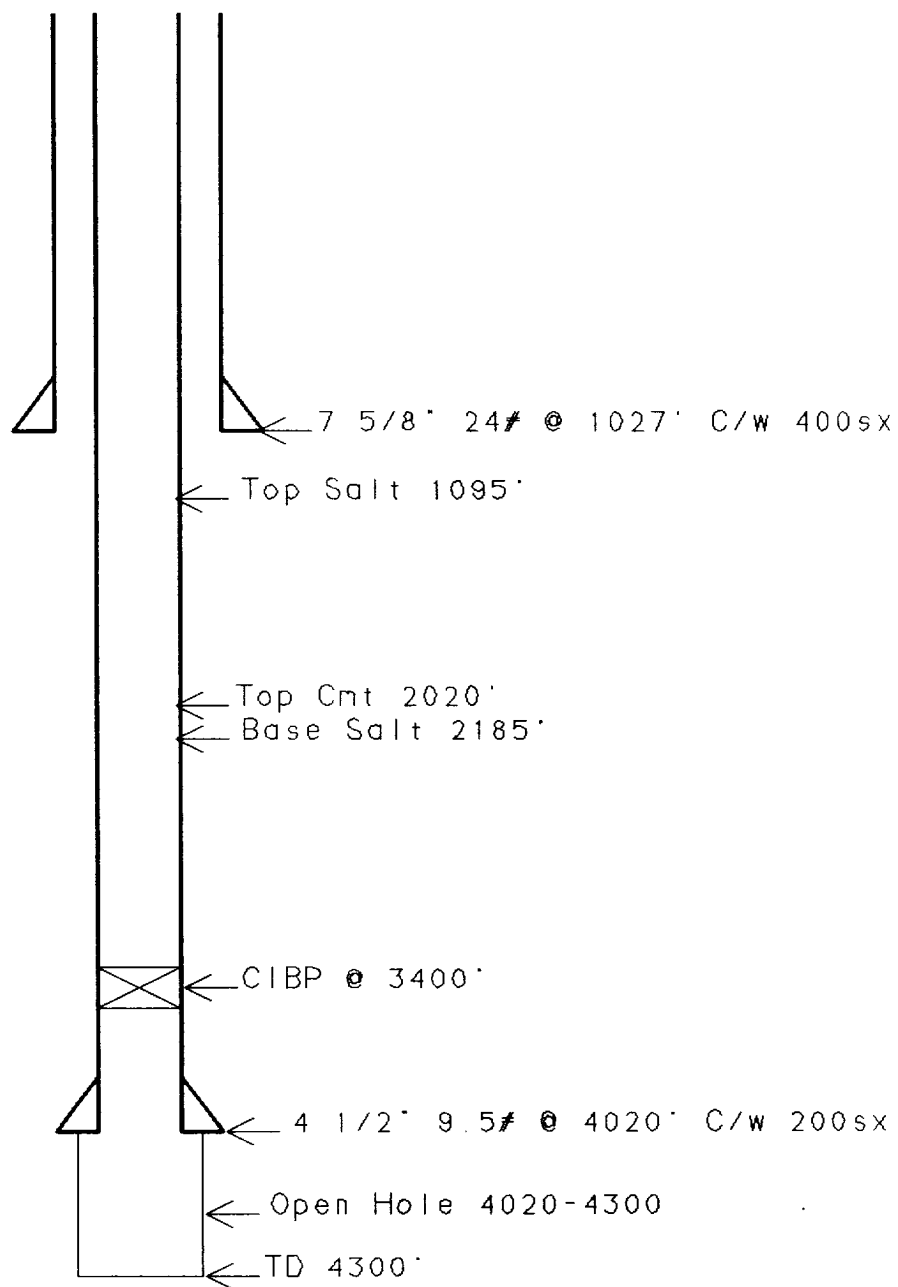
MAC, ENERGY CORPORATION

MILLER BX 5
SEC14 T17S R32E 660FSL 1980FEL

- 9-28-72 Attempted to frac sanded out
- 9-29-72 Put on pump
- 10-11-72 Flowing 500bbls wtr per day
- 5-3-74 Pulled out hole with tbg, ran in hole with pkr set at 3946
1900# on tbg.
- 11-2-84 Cut tbg off at 3550, set retainer at 3400 Tested casing 500#
WELL IS T.A.

WELL REPORT

- 7-15-88 Propose to test integrity of the csg. If done is a good ??????
- 2-3-92 Tested csg to 500#. HELD OK. Put well in T.A. Status
- 4-4-95 **PROPOSE TO PLUG AND ABANDON AS FOLLOWS:**
- 1 Circ hole w/mud laden fluid
 - 2 Spot 2sx plug over CIBP @ 3400'
 - 3 Spot 100' plug. 50' below base salt and 50' above base salt
 - 4 Perf csg 50' below top salt 1145'.
 - 5 Squeeze perfs w/25sx plug.
 - 6 Tag plug @ 977'
 - 7 Perf csg @60'.
 - 8 Squeeze perfs w/cmt. Attempt to Circ cmt to surface on all csg.
 - 9 Install dry hole marker and clean location
 - 10 We will need a workover pit on this location.



MACK ENERGY CORPORATION

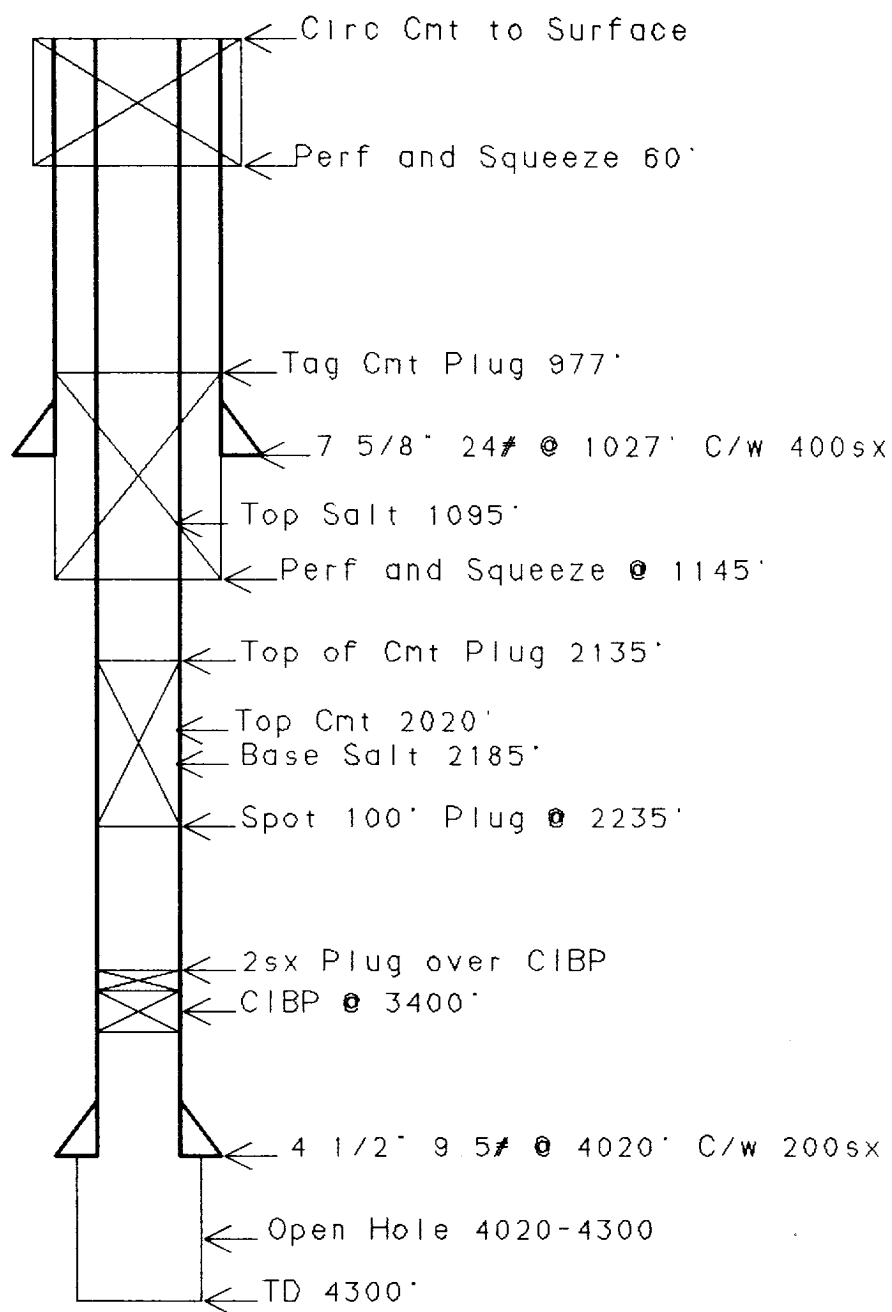
WELL DIAGRAM

MILLER BX FEDERAL # 5

SEC 14 T17S R32E

660FSL 1980FEL

WELL DIAGRAM BEFORE
PREPARE BY
ROBERT CHASE



MACK ENERGY CORPORATION

WELL DIAGRAM

MILLER BX FEDERAL # 5

SEC 14 T17S R32E

660FSL 1980FEL

WELL DIAGRAM AFTER
PREPARE BY
ROBERT CHASE

RECEIVED

OFFICE