

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONS COM. DIVISION
Drawer DD
Artesia, NM 88210

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. NM-016803
2. Name of Operator Mack Energy Corporation	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. P.O. Box 960, Artesia, NM 88211-0960 (505)748-1288	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1980 FSL 1660 FWL Sec. 19-T16S-R31E	8. Well Name and No. Carper Federal #2
	9. API Well No. 30-015-04855
	10. Field and Pool, or Exploratory Area Square Lake GB SA
	11. County or Parish, State Eddy, NM

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. Perf csg 50' below base salt. Squeeze perfs w/25sx cmt.
3. Tag cmt plug @ 1375'.
4. Perf csg 50' below top salt. Squeeze perfs w/25sx cmt.
5. Tag cmt plug at 440'.
6. Perf csg @ 60'. Squeeze perfs w/25sx cmt and attempt to circ cmt on outside of surface pipe.
7. Install dry hole marker, clean location
8. We will need a workover pit for this operation.

RECEIVED
APR 7 3 11 PM '95
CARPENTER AREA

14. I hereby certify that the foregoing is true and correct
Signed Crista D. Carter Title Production Clerk Date 4-7-95

(This space for Federal or State office use)
Approved by (DAN, SEC.) JOE G. LARA Title PETROLEUM ENGINEER Date 4/21/95
Conditions of approval, if any: See attached. Step #4: perf csg 50' below 8 5/8" shoe (422') & tag plug @ 322'

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

MACK ENERGY CORPORATION

CARPER FEDERAL #2
SEC 19 T16S R31E 1980FSL 1660FWL

WELL HISTORY

PBTD: 2780'
TD: 3315'
SP Csg: 8 5/8" 32# @ 372' C/w 50sx
LS Csg: 5 1/2" 14# @ 3309' C/w 100sx
T SALT: 490'
B SALT: 1427'
PERFS: 3054-57,3079-82,3145-62,3256-59,3261-64

COMPLETION REPORT

10-7-63 Perfed csg from 3054-3264. Frac each zone w/20000 gals oil and 300sx sand.

WELL REPORT

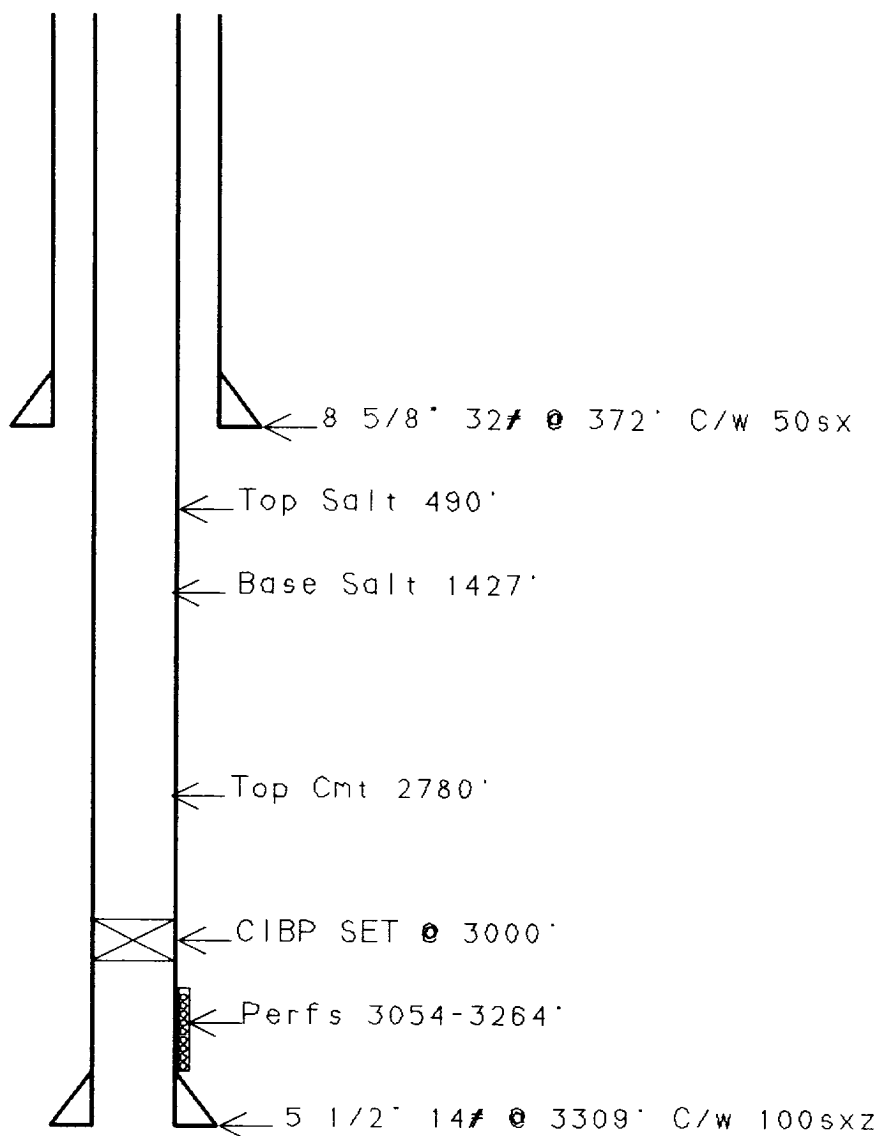
4-26-69 Converted from producing to Inj. Ran in hole w/3195' 2 3/8" tbg and Pkr.

11-10-76 Pulled tbg and shut in well

3-8-78 Vann tool set CIBP at 3000' and Stopped water flow. Top of Cmt 2780'. T.A. well

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

- 1 Circ hole w/mud laden fluid.
- 2 Perf csg 50' below base salt. Squeeze perms w/25sx Cmt
- 3 Tag Cmt plug @ 1375'
- 4 Perf csg 50' below top salt. Squeeze perms w/25sx Cmt.
- 5 Tag Cmt plug at 440'
- 6 Perf csg @60' Squeeze perms w/25sx Cmt and Attempt to Circ Cmt on outside of Surface pipe
- 7 Install Dry hole marker, Clean location
- 8 We will need a workover pit for this operation.



MACK ENERGY CORPORATION

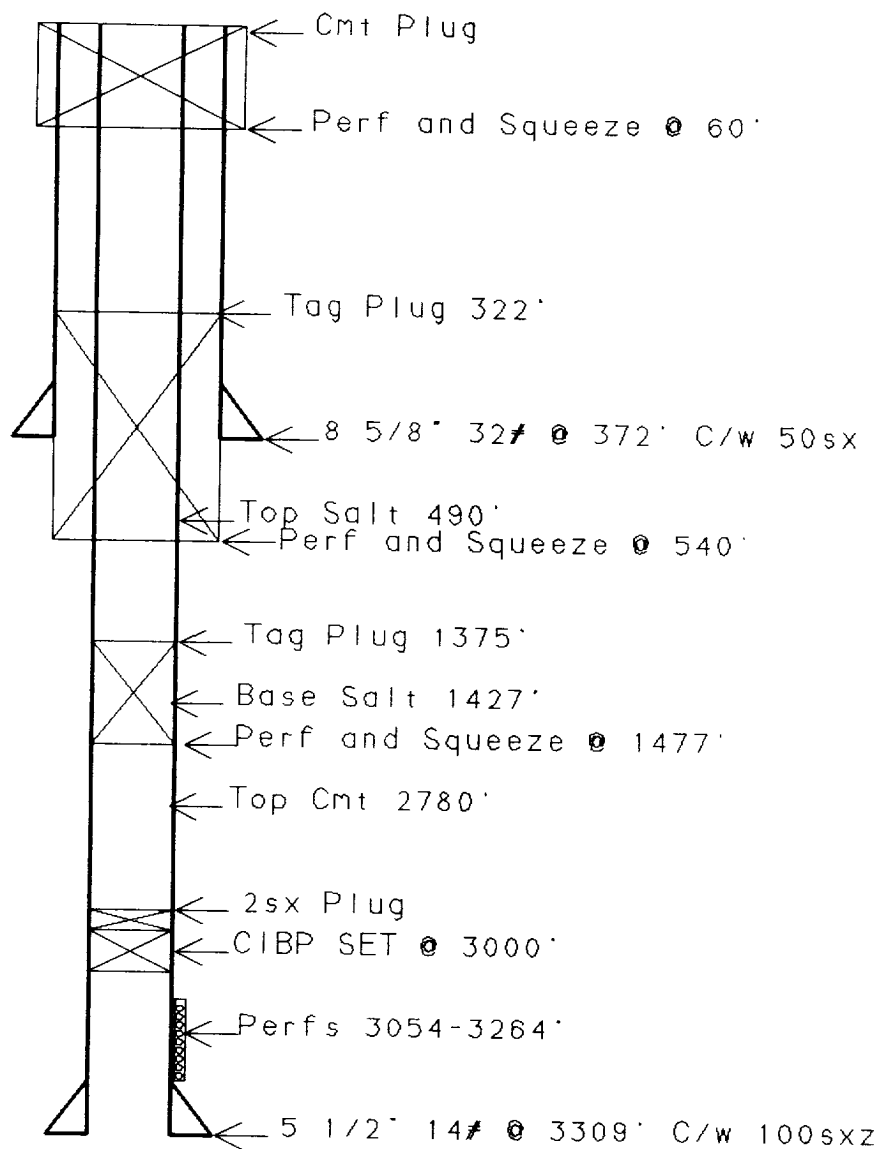
WELL DIAGRAM

CARPER FEDERAL # 2

SEC 19 T16S R31E

1980FSL 1660FWL

WELL DIAGRAM BEFORE
PREPARE BY
ROBERT CHASE



MACK ENERGY CORPORATION

WELL DIAGRAM

CARPER FEDERAL # 2

SEC 19 T16S R31E

1980FSL 1660FWL

WELL DIAGRAM AFTER
 PREPARE BY
 ROBERT CHASE

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.