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Form 3160-5
(June 1990)

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JOE
ERSUNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAY 14 1993

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

Barber Oil, Inc.

3. Address and Telephone No.

P. O. Box 1658 Carlsbad, NM 88221-1658 (505) 887-2566

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

 2090' FSL and 1650' FEL, Sec. 25, T19S, R30E, N.M.P.M.
(Unit Letter J / NWSE)

5. Lease Designation and Serial No.

NM-06767

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

LeBow Federal #8

9. API Well No.

30015046360001

10. Field and Pool, or Exploratory Area

North Hackberry (Yates)

11. County or Parish, State

Eddy Co., New Mexico

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.)*

Within 90 days of approval will MOL, rig up pulling unit and pull rods and tubing. Will spot enough cement to cover perfs and extend at least 50' above uppermost perfs from T.D. @ 1907' and tag plug at ±1790'. Fill 4½", 9.5# csg. with 9.0# mud to ±570'. Spot 100' cement in 4½" across csg. shoe such that plug extends ±50' above and below csg shoe. (8-5/8" 24# csg shoe set with 400 sax 3% CaCl₂ and circulated to surface from 519') Fill remaining 4½" pipe to within 50' of surface with 9.0# mud. Fill 4½" csg and 8-5/8" X 4½" annulus from 50' to surface w/cement and set marker.

Relevant Particulars: 8-5/8 csg set @ 519' (circulated to surface)
4½" csg set @ 1886' (350 sx w/2% CaCl₂)
Top of Salt @ 550'
Base of Salt @ 1665'
Top of Yates @ 1842'
Top of cement on 4½ by Temp. Survey @480'
Perfs from 1860' to 1872' (4 shots per foot)
Well spudded 12/3/61 and completed 12/6/61

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

Signed

Title President

Date 4/21/93

(This space for Federal or State office use)

Approved by

(ORIG. SGD.) JOE G. LARA

Title

PETROLEUM ENGINEER

Date

5/7/93

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

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.