

N.M.O.C.D. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLIC.
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-2747

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jackson "B"

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Square Lake, GBG, S.A.

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 1-17S-30E

12. COUNTY OR PARISH 13. STATE

Eddy

New Mexico

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

NOV 5 1979

2. NAME OF OPERATOR

WINDFOHR OIL COMPANY

3. ADDRESS OF OPERATOR

Box #198, Artesia, New Mexico 88210

**O. C. C.
ARTESIA, OFFICE**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

660' from North and West lines Sec. 1-17S-30E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

PULL OR ALTER CASING ☐

FRACTURE TREAT ☐

MULTIPLE COMPLETE ☐

SHOOT OR ACIDIZE ☐

ABANDON* ☐

REPAIR WELL ☐

CHANGE PLANS ☐

(Other) ☐

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

REPAIRING WELL ☒

ALTERING CASING ☐

ABANDONMENT* ☐

17. 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.)*

See attached sheet.

RECEIVED

NOV 1 1979

**U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO**

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

SIGNED

TITLE **Consulting Engineer**

DATE **Oct. 31, 1979**

(This space for Federal or State office use)
(Eng. Sgd.) **GEORGE H. STEWART**

ACTING DISTRICT ENGINEER

DATE **OCT 31 1979**

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

WINDFOHR OIL COMPANY
Jackson "B" #4

Found tubing stuck at 2725. Shot off and recovered. Washed over fish at 2625'. At 2724' hit water flow (1500 BPD). At 2727' picked up additional 1,000 BWPB. Drilled gyp to 2800'. On Aug. 4, 1979, flowed 2,570 BWPB and this decreased to 1,715 BPD on Aug. 8. Cleaned out with wash pipe to 2963'. Pulled pipe and recovered 6 joints of tubing and 3 joints of anchor. Cleaned out with bit to 3450', total depth. Ran gamma ray-neutron and caliper logs. Ran Lynes packer to 2695' on Aug. 16. Pressured casing to 1,000 psi. Pressure held. Lowered packer to 2,735'. Wouldn't set. Pulled packer. Ran Lynes packer and set at 2736'. Water flow below packer was 400 BPD. Lowered packer to 2745'. Water shut off below. Reset packer at 2716'. Water flow below packer back to 1,645 BPD. Pulled packer. On Aug. 28, 1979, ran 4½" O.D. 9.5# J-55 casing with Lynes packer on bottom. Set packer at 2795'. Cemented above packer with 500 sacks class H cement with .3% CFR-2 and 6# salt/sx. Circulated cement when had 45 bbls. left. Shut-in bradenhead and squeezed with 225 sacks cement at 1400 psi. on 4½".

On Sept. 4, 1979, drilled out DV tool, float shoe and 5' of cement. Drilled cement and formation to 2815'. Drilled formation from 2815 to 2852'. Ran deviation tests as follows:

| <u>DEPTH</u> | <u>DEGREES OFF VERTICAL</u> |
|--------------|-----------------------------|
| 2700 | 1.1° |
| 2740 | 1.5° |
| 2800 | 1.9° |
| 2845 | 2.5° |

Ran cement bond and caliper logs. On Aug. 11, 1979 resumed drilling. Drilled new hole to 3001'. On Sept. 17 acidized with 750 gals. 15% Mattrix acid. Swabbed acid and water. On Sept. 20, 1979, ran Lynes packer and set at 2831'. Pumped in water, but communicated. Raised packer into 4½" casing. Acidized open hole with 1,500 gallons 15% acid at 2.9 BPM and 1800 psi. Swabbed acid and water. Fluid entering at rate of 1 BP hour. Installed pumping equipment. Resumed producing on Sept. 25, 1979.