

N. M. O. G. C. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPL
(Other instructions
verse side)E*
re-Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

LC-029342(d)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

NA

8. FARM OR LEASE NAME

Arco Federal

9. WELL NO.

02 2

10. FIELD AND POOL, OR WILDCAT

Square Lake Gbg-SA

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

Section 9-17S-30E

12. COUNTY OR PARISH

Eddy

13. STATE

N. M.

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 ☐

2. NAME OF OPERATOR

Armer Oil Company ✓

3. ADDRESS OF OPERATOR

2110 Continental National Bank Bldg. Fort Worth, Texas

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

660' FNL and 660' FEL Section 9-17S-30E

14. PERMIT NO.

NA

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

3680' GR 3690' RKB

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☒FRACTURE TREATMENT ☒SHOOTING OR ACIDIZING ☒(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐Completion ☒(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

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.)*

The original Application for Permit to Drill Armer Oil Company's Arco Federal Well #2 was approved by the Artesia office of the U.S.G.S. on 9/11/73. On 12/10/73, the same office approved an extension of time to commence drilling operations on the subject well to 1/31/74. A second extension to 2/28/74 was granted on 1/29/74.

The subject well was spudded on 2/7/74. Eleven-inch hole was drilled to a depth of 477' RKB and 8-5/8" OD 23# (new) surface csg. was set @ 473' RKB and cemented w/100 sxs. Class C cement w/2% calcium chloride. Cement did not circulate. Surface csg. cementing completed 6:00 A.M. 2/8/74. WOC 18 hrs. and pressure tested surface csg. to 600 psi before drilling cement plug.

Drilled from under surface @ 12:00 midnight 2/8/74 w/7-7/8" bit. Drld. 7-7/8" hole to total depth 3100' RKB which depth was reached @ 5:00 A.M. on 2/13/74. Ran Welex GR-Sidewall Neutron-Caliper log.

Set 4-1/2" OD 9.5# (new) production csg. @ 2973' RKB and cemented w/500 sxs. Class H cement w/10# sand, 5# salt, and 1% CFR-2 per sx. Cement plug down @ 10:30 P.M. 2/13/74. Plug landing pressure to 1000 psi - csg. O.K. Estimated top cement 1600' RKB.

(Con't on Page 2)

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

SIGNED

TITLE Production Manager

DATE 4/1/74

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

(page 2 - Sundry Notice & Report)

Arco Federal #2 Well
Eddy County, New Mexico

On 3/3/74, the 4-1/2" OD csg. was perforated from 2789-94' w/10 holes, 2807-09' w/4 holes, and 2891-96' w/10 holes. On 3/5/74, perms. from 2891-96' (Lower Premier) were acidized w/500 gals. 15% acid and fractured w/20,000 gals. gelled 2% KCl wtr. and 21,000# sand. Upper Premier perms. from 2789-94' and 2807-09' were acidized w/1,000 gals. 15% acid and fractured w/50,000 gals. gelled 2% KCl wtr. and 57,000# sand on 3/6/74.

Well was completed for production (ready for prod.) on 3/8/74 and was placed on pump on 3/13/74. On test 3/17/74, well produced 30 BO, 130 BLW, and 2835:1 GOR during a 24-hr. period.

RECEIVED
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U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO