

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPI
(Other instructions
verse side)

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Form approved.
Budget Bureau No. 42-R1424.

Copy 6 SF

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED

5. LEASE DESIGNATION AND SERIAL NO.

LC-029342 (d)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Arco Federal

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Square Lake GBG-SA

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

9-T17S-R30E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

1. OIL WELL GAS WELL OTHER

AUG 19 1974

2. NAME OF OPERATOR

Armer Oil Company

3. ADDRESS OF OPERATOR

2110 Continental National Bank Bldg., Fort Worth, TX 76102

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 1980' PNL and 1980' FWL Section 9-T17S-R30E

14. PERMIT NO.

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

3693' GR 3703' RKB

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

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other) _____

Completion

(Other) _____

(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.)*

Armer Oil Company's ARCO Federal #4 was spudded on 7-2-74 with WEK Drilling Company, Inc. rotary tools. A 11" surface hole was drilled to 502' RKB and 8-5/8" OD surface casing was set at 495' RKB and cemented with 100 sacks Class C cement on 7-3-74. Cement was allowed to set 12 hours before pressure testing surface casing to 600 psi.

A 7-7/8" bit was used to drill to a total depth of 3075' RKB which depth was reached on 7-7-74. After logging well, 4-1/2" OD production casing was set at 3075' RKB and cemented with 500 sacks Class H cement on 7-8-74. Estimated top of cement 1450' RKB.

On 7-13-74, Metex (GBG) sand was perforated from 2656'-72' RKB, Upper Premier (GBG) sand was perforated from 2758'-67' RKB, Lower Premier (GBG) sand from 2863'-78' RKB, and Lovington (SA) sand 2983'-88' and 2992'-96' RKB, all Sidewall Neutron Log Measurements.

Lovington perms were acidized w/500 gals 15% acid and fracture treated w/32,000 gals gelled 2% KCL wtr., 24,000# 20-40 sand, and 8,000# 10-20 sand on 7-15-74. Lower Premier perms were acidized w/500 gals 15% acid on 7-15-74 and fracture treated with 32,000 gals gelled 2% KCL wtr., 24,000# 20-40 sand, and 6,000# 10-20 sand on 7-16-74.

Upper Premier and Metex perms were each treated with the same treatment applied to the Lower Premier on 7-16-74.

Well was equipped with rods and tubing (Ready to Produce) on 7-18-74. Well was placed on pump on 7-31-74 and potentialized on 8-3-74 for 50 BOPD w/water and estimated GOR 3500:1.

RECEIVED
AUG 12 1974

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

SIGNED

C. W. Stumbhoff

TITLE

Agent

DATE 8-7-74

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

APPROVED
AUG 16 1974
R. L. BEEKHOF
ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side

