

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Copy to SP

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [] DRY [] Other []

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [] DEEP-EN [] PLUG BACK [] DIFF. RESYR. [] Other []

2. NAME OF OPERATOR: Armer Oil Company

3. ADDRESS OF OPERATOR: 2110 Continental National Bank Bldg., Fort Worth, TX 76102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*: At surface 1980' FNL and 1980' FWL Section 9-T17S-R30E

At top prod. interval reported below same

At total depth same

14. PERMIT NO. DATE ISSUED 7-1-74

15. DATE SPUDDED 7-2-74 16. DATE T.D. REACHED 7-7-74 17. DATE COMPL. (Ready to prod.) 7-18-74

18. ELEVATIONS (OF, HKB, RT, OR, ETC.)* 3693' GR 3703' RKB 19. ELEV. CASINGHEAD 3694'

20. TOTAL DEPTH, MD & TVD 3075' RKB 21. PLUG, BACK T.D., MD & TVD 3071' RKB

22. IF MULTIPLE COMPL., HOW MANY? 23. INTERVALS DRILLED BY 0'-3075' RKB

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 2656'-2878' RKB overall, Grayburg - Sidewall Neutron Log Measurements

25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN: Welx Sidewall Neutron Log

27. WAS WELL CORED NO

Table with 6 columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED. Rows include 8-5/8" OD and 4-1/2" OD.

Table with 8 columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT, SCREEN (MD), SIZE, DEPTH SET (MD), PACKER SET (MD). Includes LINER RECORD and TUBING RECORD.

31. PERFORATION RECORD (Interval, size and number): 2656'-72" w/17-0.40" holes Sidewall, 2758'-67" w/19-0.40" holes Neutron, 2863'-78" w/16-0.40" holes Log, 2983'-88" w/11-0.40" holes Measurements, 2992'-96" w/ 9-0.40" holes Measurements

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED: see other side

33. PRODUCTION DATE FIRST PRODUCTION 7-21-74 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping w/2" x 1-1/2" x 12' Rod-Drawn Pump

DATE OF TEST 8-3-74 HOURS TESTED 24 hours CHOKER SIZE None PROD'N. FOR TEST PERIOD 50 OIL—BBL. 175 GAS—MCF. 175 (est) WATER—BBL. 0 GAS-OIL RATIO 3500:1 (est)

FLOW, TUBING PRESS. Pumping CASING PRESSURE 20 psi CALCULATED 24-HOUR RATE 50 OIL—BBL. 50 GAS—MCF. 175 WATER—BBL. 0 OIL GRAVITY-API (CORR.) 38 API

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold to Continental Oil Company TEST WITNESSED BY R. C. Waters

35. LIST OF ATTACHMENTS: Deviation Survey, WEK Drilling Co., Inc. and Welx Sidewall Neutron Log

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED C. W. Stambhoff TITLE Agent DATE 8-7-74

*(See Instructions and Spaces for Additional Data on Reverse Side)

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O. C. C. ARTESIA, OFFICE

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 BLOCK AND SURVEY OR AREA 9-T17S-R30E

12. COUNTY OR PARISH Eddy 13. STATE New Mexico

14. PERMIT NO. DATE ISSUED 7-1-74

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NOV 22 1974

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws 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. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

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 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

ITEM 32: RKB Acidized w/500 gals and fractured w/32,000 gals gelled 2% KCL wtr. and 32,000# sand.
 2758°-67° RKB Acidized w/500 gals and fractured w/32,000 gals gelled 2% KCL wtr. and 30,000# sand.
 2863°-78° RKB Acidized w/500 gals and fractured w/32,000 gals gelled 2% KCL wtr. and 30,000# sand.
 2983°-96° RKB Acidized w/500 gals and fractured w/32,000 gals gelled 2% KCL wtr. and 30,000# sand.

OVERALL

37. SUMMARY OF POROUS ZONES:
 SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS, THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Metex (GBG)	2656*	2672*	Oil and/or Gas.	Queen (Red) Sand	2156*	
Upper Premier (GBG)	2758*	2767*	Oil and Gas.	Gripshurg	2429*	
Lower Premier (GBG)	2863*	2878*	Oil and Gas.	Sah Andres	2886*	
Lovington (SA)	2983*	2996*	Oil and Gas.			

All depths shown are RKB
and from Sidewall Neutron Log.

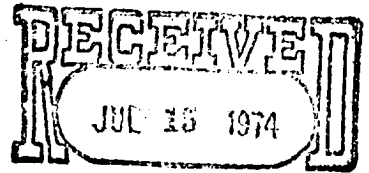


KENNETH D. REYNOLDS - ARTESIA
LESLIE K. EVERTSON - ROSWELL

DRILLING CO., INC. - OIL WELL DRILLING CONTRACTORS

P. O. Box 2055 ROSWELL, NEW MEXICO 88201
TELEPHONE: ARTESIA 746-6757
ROSWELL 623-5070

July 10, 1974



ARMER OIL COMPANY.

Armer Oil Company
2110 Continental Natl. Bank Bldg.
Fort Worth, Texas 76102

Re: Arco Fed #4

Gentlemen:

The following is a Deviation Survey of the above well:

500'	-	$\frac{1}{4}$
995'	-	$\frac{1}{2}$
1495'	-	$\frac{3}{4}$
1995'	-	1
2495'	-	$1\frac{1}{4}$
2964'	-	$1\frac{3}{4}$
3075'	-	$1\frac{3}{4}$

Very truly yours,

WEK DRILLING CO., INC.

Kenneth D. Reynolds
Kenneth D. Reynolds

KDR:ln

STATE OF NEW MEXICO }

COUNTY OF CHAVES }

The foregoing was acknowledged before me this
day of July, 1974, by Kenneth D. Reynolds.

NOTARY PUBLIC
ARTESIA, NEW MEXICO
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Laura Jane Stewart
Notary Public

My Commission Expires:

8/10/77