

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

RECEIVED

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other APR 8 1974

2. NAME OF OPERATOR

Armer Oil Company ✓

D. C. C.

3. ADDRESS OF OPERATOR

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

ARTESIA, OFFICE

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

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

At top prod. interval reported below same

At total depth same

14. PERMIT NO.

None

DATE ISSUED

9/11/74

15. DATE SPUDDED

2/7/74

16. DATE T.D. REACHED

2/13/74

17. DATE COMPL. (Ready to prod.)

3/8/74

18. ELEVATIONS (DF, REB, RT, OR, ETC.)*

3680' GR

3690' RKB

19. ELEV. CASINGHEAD

3681'

20. TOTAL DEPTH, MD & TVD

3100' RKB

21. PLUG, BACK T.D., MD & TVD

2945' RKB

22. IF MULTIPLE COMPL.,
HOW MANY*

NA

23. INTERVALS
DRILLED BY

ROTARY TOOLS

0-3100' RKB

CABLE TOOLS

NA

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

2789-2896' Grayburg

25. WAS DIRECTIONAL
SURVEY MADE *

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Welex Compensated GR-Sideswall Neutron-Caliper Log

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8" OD	23#	473' RKB	11"	100 sxs. Class C	None
4-1/2" OD	9.5#	2973' RKB	7-7/8"	500 sxs. Class H	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8" OD	2943' RKB	None

31. PERFORATION RECORD (Interval, size and number)

2789-94' w/10 holes (0.37" hole)

2807-09' w/4 holes (0.37" hole)

2891-96' w/10 holes (0.37" hole) Lo. Premier

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2789-94' & 2807-09'	Acid 1000 gals 15%, frac 50,000 gals gelled 2% KCl wtr. & 57,000 sand
2891-96'	Acid 500 gals 15%, frac 20,000 gals gelled 2% KCl wtr. & 21,000 sand

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
3/14/74		Pumping - 2" x 1-1/2" x 12' pump				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
3/17/74	24	NA	→	30	85	130 (frac wtr.)	2835:1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
NA	NA	→	30	85	130 (frac wtr.)	36	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

TEST WITNESSED BY

R. C. Waters

35. LIST OF ATTACHMENTS Deviation Survey by WEK Drilling Co., Inc. and Welex GR-Sidewall Neutron-Caliper Log.

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

SIGNED

Robert S. Jule

TITLE

Production Manager

DATE

3/29/74

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

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.)

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Upper Premier Grayburg)	2789'	2794'	Gas and oil	Queen (Red) Sd.	2179'	
Upper Premier Grayburg)	2807'	2809'	Gas and oil	Grayburg	2464'	
Lower Premier Grayburg)	2891'	2896'	Gas and oil	San Andres	2912'	

RECEIVED
APR 4 1974
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO



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

DRILLING CO., INC. - OIL WELL DRILLING CONTRACTORS

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

February 20, 1974

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

Re: Arco Fed #2

Gentlemen:

The following is a Deviation survey of the above well:

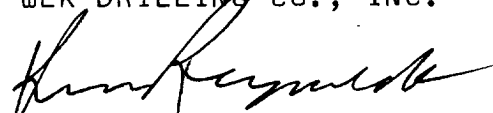
477' - $\frac{1}{4}^{\circ}$
950' - $3\frac{3}{4}^{\circ}$
1420' - $1\frac{1}{4}^{\circ}$
1910' - $1\frac{1}{4}^{\circ}$
2410' - $1\frac{1}{2}^{\circ}$
2900' - $1\frac{1}{2}^{\circ}$

RECEIVED

APR 4 1974

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Yours very truly,
WEK DRILLING CO., INC.


Kenneth D. Reynolds

STATE OF NEW MEXICO)
COUNTY OF CHAVES)

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

Notary Public

My Commission Expires:

2-1-77