

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY(See instructions on
reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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 ☐

2. NAME OF OPERATOR

Armer Oil Company

3. ADDRESS OF OPERATOR

2110 Continental Nat'l Bk. Bldg., Ft. Worth, Tex. 76102

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

At surface 560' FNL and 1980' FWL Sec. 9-T17S-R30E

At top prod. interval reported below same

At total depth same

14. PERMIT NO.

DATE ISSUED

12/10/74

12. COUNTY OR

PARISH

Eddy

13. STATE

N.M.

15. DATE SPUDDED

12/11/74

16. DATE T.D. REACHED

12/16/74

17. DATE COMPL. (Ready to prod.)

12/27/74

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

3699' GR 3709' RKB

19. ELEV. CASINGHEAD

3700'

20. TOTAL DEPTH, MD & TVD

3075' RKB

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

3060' RKB

22. IF MULTIPLE COMPL.,

HOW MANY*

23. INTERVALS

DRILLED BY

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ROTARY TOOLS

0-3075' RKB

CABLE TOOLS

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

2672-3006' RKB overall, Grayburg-San Andres - Sidewall Neutron Log measurement

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Welex GR-Sidewall Neutron

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#	510' RKB	11"	100 sxs. 2% CaCl	None
4-1/2" OD	9.5#	3074' 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	3012' RKB	None

31. PERFORATION RECORD (Interval, size and number)

2672-78'	w/12	- 0.40"	holes	<div>RECEIVED MAR - 4 1975 GEOLOGICAL SURVEY NEW MEXICO</div>	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
2682-92'	w/11	- 0.40"	holes		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2774-84'	w/12	- 0.40"	holes		3002-06' RKB	500 gals acid & 30,000 gals gelle
2807-14'	w/14	- 0.40"	holes		2774-92' RKB	KCl wtr. w/30,000# sand.
2875-82'	w/7	- 0.40"	holes		2774-2807' RKB	Same
2886-91'	w/10	- 0.40"	holes		2672-92' RKB	Same
3002-06'	w/16	- 0.40"	holes			

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Pumping, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
1/9/75		Pumping w/2" x 1-1/2" x 12' insert pump				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
2/1/75	24	None	52	52	135	1	2596:1 (est.)
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
Pumping	20 psi	52	52	135	1	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

WEK Drlg. Co., Inc. Deviation Survey and Welex GR-Sidewall Neutron log. (will be furnished when released.)

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

SIGNED

C. W. Stamper

TITLE

Agent

DATE 2/26/75

*(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:			38. GEOLOGIC MARKERS		
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORRELATE INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			NAME		
FORMATION	TOP	BOTTOM	MEAS. DEPTH TOP TRUE VERT. DEPTH		
Metex Sands-Grayburg	2672'	2678'	Queen (Red) Sand		
	2682'	2692'	Grayburg		
Upper Premier Sands-Grayburg	2774'	2784'	San Andres		
	2807'	2814'			
Lower Premier Sands-Grayburg	2875'	2882'			
	2886'	2891'			
Lc.ington Sand-San Andres	3002'	3006'			
			<div style="text-align: center;"> <p>RECEIVED</p> <p>MAR - 4 - 1975</p> <p>U.S. GEOLOGICAL SURVEY</p> <p>ARTESIAN WISCONSIN</p> </div>		
<p>Gas and/or oil.</p> <p>Gas and/or oil.</p> <p>Oil.</p> <p>Oil.</p> <p>Oil.</p> <p>Oil.</p> <p>Oil.</p>			<p>ALL tops from Metex GR-Sidewall Neutron log.</p>		



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

December 19, 1974

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

Re: Arco Fed #5

Gentlemen:

The following is a Deviation Survey of the above well:

500' - $\frac{1}{4}$
1000' - $\frac{3}{4}$
2550' - $1\frac{1}{4}$
3000' - 1

Yours very truly,

WEK DRILLING CO., INC.

Kenneth D. Reynolds

STATE OF NEW MEXICO

COUNTY OF CHAVES

The foregoing was acknowledged before me this 19th
day of December, 1974, by Kenneth D. Reynolds.

Notary Public

My Commission Expires:

8/10/77

RECEIVED
MAR - 4 1975
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO