

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

E*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.6.

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 JAN 30 1974

2. NAME OF OPERATOR

Armer Oil Company

3. ADDRESS OF OPERATOR

2110 Continental National Bank Bldg., Ft. Worth, Tex. 76102

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

At surface 1980' FNL and 660' FEL Sec. 9-17S-30E

At top prod. interval reported below same

At total depth same

14. PERMIT NO.

None

DATE ISSUED

9/11/73

15. DATE SPUDDED

10/9/73

16. DATE T.D. REACHED

10/16/73

17. DATE COMPL. (Ready to prod.)

11/24/73 (All Gbg-SA zones)

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

3706' RKB 3696' GR

19. ELEV. CASINGHEAD

3697'

20. TOTAL DEPTH, MD & TVD

3505' RKB

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

3494' RKB

22. IF MULTIPLE COMPL., HOW MANY*

NA

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

10-3505' RKB

NA

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

2696-3032' Grayburg-San Andres

RECEIVED

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Welex Sidewall Neutron Porosity-Guard-Forxo

27. WAS WELL CORED

No

28.

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	AMOUNT PULLED
8-5/8" OD	20#	475'RKB	11"	100 sxs. Class C
4-1/2" OD	9.5#	3505'RKB	7-7/8"	350 sxs. Class H

29.

LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	3057' GR	none

31. PERFORATION RECORD (Interval, size and number)

2696-2705' w/10 holes (10-gram charges)

2788-2794' w/7 holes

" "

2804-2808' w/5 holes

" "

2820-2824' w/5 holes

" "

2890-2895' w/6 holes

" "

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2695-2705'	Acidized w/500 gals. 15% acid and fractured w/36,000 gals. gelled KCL wtr. & 36,000# sand. (See Reverse Side)

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
11/26/73 (All Gbg-SA zones)		Pumping - 2" x 1-1/2" x 12' rod drawn pump				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11/30/73	24	NA	→	93	110	20	1182
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
NA	NA	→	93	110	20	35	

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 Sidewall Neutron-Guard-Forxo logs submitted with initial report.

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

SIGNED

TITLE Production Manager

DATE 1/21/74

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

*AMENDED REPORT for completion of well in Grayburg

to be commingled with production from San Andres **INSTRUCTIONS**

Lovington Sand that was initially tested separately. San Andres-Lovington Sand tested from 11/2/73 to 11/17/73.

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 31 continued: 3024-3032' w/17 holes (10-gram charges) - initial completion perfs. in San Andres.

Item 32 continued: 2788-2824' Acidized w/1,500 gals. 15% acid and fractured w/58,800 gals. gelled KCL wtr. & 56,000# sand.
2890-2895' Acidized w/500 gals. 15% acid and fractured w/20,000 gals. gelled KCL wtr. & 20,000# sand.
3024-3032' (Initial Compl.) Acidized w/500 gals. 15% acid and fractured w/32,000 gals. gelled KCL wtr & 32,000# sand.

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
Metex Sand (Gbg.)	2696'	2705'	Gas & Oil	Queen (Red) Sand	2178'	
Upper Premier Sands (Gbg.)	2788'	2794'	Gas & Oil	Grayburg	2462'	
" "	2804'	2808'	Gas and Oil	San Andres	2912'	
" "	2820'	2824'	Gas and Oil			
Lower Premier Sand (Gbg.)	2890'	2895'	Gas and Oil			
Lovington Sand (SA)	3024'	3032'	Gas and Oil			