

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>	RECEIVED	
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>
2. NAME OF OPERATOR		Armer Oil Company					
3. ADDRESS OF OPERATOR		2110 Continental National Bank Bldg., Ft. Worth, Texas 76102					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*		At surface 1980' FNL & 660' FEL Sec. 9-17S-30E					
At top prod. interval reported below		Same					
At total depth		Same					
14. PERMIT NO.		DATE ISSUED		9-11-73			
15. DATE SPUNDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, REB, RT, GR, ETC.)*	
10/9/73		10/16/73		10/24/73		3690' GR	
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY	
3505' TD		3495' PBTD		--		XX	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*		3024-3032' w/17 holes - Lovington-SA				25. WAS DIRECTIONAL SURVEY MADE	
						No	
26. TYPE ELECTRIC AND OTHER LOGS RUN		Welex Compensated Density 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	
8-5/8"		20#		475' KBM		11"	
4-1/2"		9.5#		3495' KBM		7-7/8"	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2 3/8"		3032'		None			
31. PERFORATION RECORD (Interval, size and number)							
3024-3032' w/17 -0.42" holes				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				32.000 gals. gelled water w/22,000# sand			
33. DATE FIRST PRODUCTION							
11-2-73		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
		Pumping - 1-1/2" rod pump				Producing	
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD	
11-4-73		24					
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.	
						84	
						106	
						15	
						38	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		Used for fuel and balance venting - testing for sale				TEST WITNESSED BY	
						Chandler Haggard	
35. LIST OF ATTACHMENTS							
Deviation Survey, WEK Drilling Co., Inc. and Welex Sidewall Neutron Log							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED		TITLE				DATE	
[Signature]		Production Manager				11/7/73	

*(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.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
See copy of Welex Sidewall Neutron log attached.				<i>with cement</i>			

38.

GEOLOGIC MARKERS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

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

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.

1

10. FIELD AND POOL, OR WILDCAT

Square Lake
Lovington-SA11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

9-17S-30E

12. COUNTY OR
PARISH

Eddy

13. STATE

New Mexico

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 _____

RECEIVED

2. NAME OF OPERATOR

Armer Oil Company ✓

NOV 16 1973

3. ADDRESS OF OPERATOR

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

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

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

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

DATE ISSUED

9-11-73

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.)

10/9/73

10/16/73

10/24/73

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

3690' GR

19. ELEV. CASINGHEAD

3691'

20. TOTAL DEPTH, MD & TVD

3505' TD

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

3495' PBTB

22. IF MULTIPLE COMPL.,
HOW MANY*

--

23. INTERVALS
DRILLED BY

ROTARY TOOLS

XX

CABLE TOOLS

--

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

3024-3032' w/17 holes - Lovington-SA

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Welex Compensated Density Log

27. WAS WELL CORED

No

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	20#	475' KBM	11"	100 sxs. Class C	None
4-1/2"	9.5#	3495' KBM	7-7/8"	350 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"	3032'	--

31. PERFORATION RECORD (Interval, size and number)

3024-3032' w/17 -0.42" holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3024-3032'	500 gals. 15% DS-30
	32,000 gals. gelled water
	w/22,000# s

RECEIVED

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
11-2-73		Pumping - 1-1/2" rod pump				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
11- 4-73	24		→	84	106	15	1260:1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→	84	106	15	38	

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

Used for fuel and balance venting - testing for sale

TEST WITNESSED BY

Chandler Haggard

35. LIST OF ATTACHMENTS

Deviation Survey, WEK Drilling Co., Inc. and Welex Sidewall Neutron Log

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 11/7/73

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

RECEIVED

NOV 15 1973

**U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO**

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37. SUMMARY OF POROUS ZONES:			38. GEOLOGIC MARKERS		
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			NAME	TOP	
FORMATION	TOP	BOTTOM		MEAS. DEPTH	TRUE VERT. DEPTH
Metex	2706'				
Upper Premier	2788'				
Lower Premier	2890'				
San Andres	2912'				
Lovington	3024'				