

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

1a. TYPE OF WELL
OIL WELL GAS WELL DRY OTHER _____

b. TYPE OF COMPLETION
NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESVR. OTHER _____

7. Unit Agreement Name

8. Farm or Lease Name
Scharbauer

2. Name of Operator
Armer Oil Company

9. Well No.
1

3. Address of Operator
2110 Continental National Bank Bldg., Ft. Worth, Texas 76102

10. Field and Pool, or Wildcat
E-K Yates - SR - Queen

4. Location of Well
UNIT LETTER M LOCATED 330 FEET FROM THE South LINE AND 330 FEET FROM

12. County
Lea

THE West LINE OF SEC. 20 TWP. 18S RGE. 34E NMPM

12. County
Lea

15. Date Spudded 7/15/74 16. Date T.D. Reached 7/27/74 17. Date Compl. (Ready to Prod.) 8/26/74 18. Elevations (DF, RKB, RT, GR, etc.) 4004' GR 4014' RKB 19. Elev. Casinghead 4005'

20. Total Depth 4840' RKB 21. Plug Back T.D. No plug back 22. If Multiple Compl., How Many -- 23. Intervals Drilled By Rotary Tools 0-4840' RKB Cable Tools --

19. Elev. Casinghead 4005'

24. Producing Interval(s), of this completion - Top, Bottom, Name
4777-84' RKB, Penrose Sand

25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
Welex GR-Compensated Density-Guard-Forxo

27. Was Well Cored
Yes

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8" OD	20#	428' RKB	12-1/4"	300 sxs Class C	None
4-1/2" OD	9.5#	4838' RKB	7-7/8"	250 sxs Class H-plugged off in shoe.	None
Top cement 4775'. Perf. 4 holes @ 4766'-could not circ.					
Perf. 4 holes @ 4620'-circulated & re-cemented w/140 sxs. Class H under retainer.					

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"OD	4802' GR	None

31. Perforation Record (Interval, size and number)

4777-84' RKB w/15-0.42" holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
<u>4777-84' RKB</u>	<u>Acidized w/1500 gals. 15% acid.</u>
<u>4777-84' RKB</u>	<u>Frac w/6500 gals. Klear gel and 7500# sand - screened out.</u>

33. PRODUCTION

Date First Production 9/12/74 Production Method (*Flowing, gas lift, pumping - Size and type pump*) Pumping w/2" x 1-1/2" x 12' Texas Stripper Well Status (*Prod. or Shut-in*) Producing

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
<u>10/1/74</u>	<u>24</u>	<u>None</u>	<u>→</u>	<u>10</u>	<u>6 (est.)</u>	<u>0</u>	<u>600 (est.)</u>
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
<u>Pumping</u>	<u>20 psi</u>	<u>→</u>	<u>10</u>	<u>6 (est.)</u>	<u>0</u>	<u>35 (est.)</u>	

34. Disposition of Gas (*Sold, used for fuel, vented, etc.*)
Used for fuel and vented. Test Witnessed By K. W. Smith

35. List of Attachments
Cactus Drilling Company, Inc. Deviation Survey - Welex GR-Compensated Density-Guard-Forxo*

6. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief. *to be furnished when released.

SIGNED [Signature] TITLE Agent DATE 10/25/74

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy <u>1770'</u>	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt <u>1887'</u>	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt <u>3107'</u>	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>3270'</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers <u>3772'</u>	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen <u>4500'</u>	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
1770'	1887'	117'	Rustler - Anhydrite.				
1887'	3107'	1220'	Salt - Anhydrite Stringers.				
3107'	3270'	163'	Tansill.				
3270'	3772'	502'	Yates - Sand & Dolomite.				
3772'	4500'	728'	Seven Rivers - Sand, Dolomite & Anhydrite.				
4500'	4558'	58'	Queen - Upper Queen Sd.				
4558'	4774'	216'	Queen - Dolomite, Anhydrite & Sand.				
4774'	4790'	16'	Queen - Penrose Sand.				
4790'	4840'	50'	Queen - Dolomitek Anhydrite & Sand.				

INCLINATION REPORT

OPERATOR Armer Oil Company ADDRESS 2110 Continental Nat'l Bank Bldg., Fort Worth, Texas 76102
 LEASE Scharbauer WELL NO. 1 FIELD _____
 LOCATION Sec. 20, T-18S, R-34E, Lea County, New Mexico

Depth	Angle (Inclination 'degrees)	Displacement	Displacement Accumulated
440	3/4	5.7640	5.7640
938	1/2	4.3326	10.0966
1410	1/2	4.1064	14.2030
1573	1/2	1.4181	15.6211
2070	3/4	6.5107	22.1318
2542	3/4	6.1832	28.3150
2951	3/4	5.3579	33.6729
3397	1	7.8050	41.4779
3690	1	5.1275	46.6054
4010	1 1/4	6.9760	53.5814
4266	1 1/2	6.7072	60.2886
4766	1 3/4	15.2500	75.5386
4840	1 3/4	2.2570	77.7956

I hereby certify that the above data as set forth is true and correct to the best of my knowledge and belief.

Cactus Drilling Company

By: Ken Hedrick
 Title: Ken Hedrick, Drlg. Supt.

Affidavit:

Before me, the undersigned authority, appeared Ken Hedrick known to me to be the person whose name is subscribed herebelow, who, on making deposition, under oath states that he is acting for and in behalf of the operator of the well identified above, and that to the best of his knowledge and belief such well was not intentionally deviated from the true vertical whatsoever.

Ken Hedrick
 (Affiant's Signature)

Sworn and subscribed to in my presence on this the 16th day of August

19 74

Jerry L. Myrick
 Notary Public in and for the County
 of Lea, State of New Mexico