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U.S.G.S.

LAND OFFICE

OPERATOR

Form C-105

Revised 1-1-65

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.

7. Unit Agreement Name

8. Farm or Lease Name

Scharbauer

9. Well No.

2

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

1a. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐DRY ☐

OTHER

b. TYPE OF COMPLETION

NEW
WELL ☒WORK
OVER ☐DEEPEN ☐PLUG
BACK ☐DIFF.
RESVR. ☐

OTHER

2. Name of Operator

Armer Oil Company

3. Address of Operator

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

4. Location of Well

UNIT LETTER N LOCATED 330 FEET FROM THE South LINE AND 1650 FEET FROMTHE West LINE OF SEC. 20 TWP. 18S RGE. 34E NMPM

12. County

Lea

15. Date Spudded 1/14/75 15. Date T.D. Reached 1/25/75 17. Date Compl. (Ready to Prod.) 2/5/75 18. Elevations (DF, RKB, RT, GR, etc.) 3973' GR 3985' RKB 19. Elev. Casinghead 3975'20. Total Depth 4820' RKB 21. Plug Back T.D. 4790' RKB 22. If Multiple Compl., How Many -- 23. Intervals Drilled By Rotary Tools 0-4820' RKB Cable Tools --

24. Producing interval(s), of this completion - Top, Bottom, Name

4746-64' RKB Penrose (Lower Queen) Sand

25. Was Directional Survey Made

No

26. Type Electric and Other Logs Run

Welex Compensated Density-Guard-Forxo

27. Was Well Cored

No

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	430' RKB	12-1/4"	300 sacks	None
4-1/2" OD	10.78 & 9.5	4820' RKB	7-7/8"	400 sacks	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8" OD	4711' Csg.	None
						Head	

30. TUBING RECORD

31. Perforation Record (Interval, size and number)

4746-64' RKB w/19-0.42" holes

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4746-64' RKB	Acidized w/500 gals. 15% acid
4746-64' RKB	Frac w/40,000 gals. gelled 2% KCl wtr. & 32,800# sand

33. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
2/12/75		Pumping w/2" x 1-1/2" x 12' Insert Pump				Prod.	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
2/25/75	24 hrs.	None	→	15	40 (est.)	1	2667:1
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
Pumping	Flow Line	→	15	40 (est.)	1	- 36	

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Used for fuel & vented - Continental Oil Company will connect to their Maljamar Plant when ROW is obtained from BLM. Test Witnessed By Kenneth W. Smith

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

36. 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

TITLE Agent

DATE May 16, 1975

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>1740'</u>	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt <u>1860'</u>	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt <u>3083'</u>	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>3243'</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers <u>3738'</u>	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen <u>4464'</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 Qtzite _____
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
1740'	1860'	120'	Rustler-Anhydrite.
1860'	3083'	1223'	Salt-Anhydrite Stringers.
3083'	3243'	160'	Tansill.
3243'	3738'	495'	Yates-Sand & Dolomite.
3738'	4464'	726'	Seven Rivers - Sand, Dolomite, & Anhydrite.
4464'	4538'	74'	Queen - Upper Queen Sand.
4538'	4746'	208'	Queen - Dolomite, Anhydrite, & Sand.
4746'	4778'	32'	Queen - Penrose Sand.
4778'	4820'	42'	Queen - Dolomite, Anhydrite, & Sand.

All depths from Welex GR-Comensated Density log.

INCLINATION REPORT

2110 Continental Nat'l Bank Bldg.,
 OPERATOR Armer Oil Company, Inc. ADDRESS Fort Worth, Texas 76102
 LEASE Scharbauer WELL NO. 2 FIELD _____
 LOCATION SE/SW, Sec. 20, T-18S, R-34E, Lea County, New Mexico

Depth	Angle (Inclination 'degrees)	Displacement	Displacement Accumulation
440	1/4	1.938	1.9380
900	1/2	4.003	5.9580
1390	1/2	4.2050	10.2010
1588	3/4	2.5950	12.7948
1880	1/2	2.5404	15.3352
2350	3/4	6.1570	21.4922
2727	1	6.5775	28.0697
3200	1	8.2775	36.3672
3700	1	8.7500	45.1172
4040	1 1/4	7.4120	52.5292
4290	1	4.3750	56.9042
4627	1	5.8975	62.8017
4820	1	3.3775	66.1792

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: Howard Callender
 Title: Asst. Drilling Supt.

Affidavit:

Before me, the undersigned authority, appeared Howard Callender 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.

Howard Callender
 (Affiant's Signature)

Sworn and subscribed to in my presence on this the 6th day of February 19 75

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

MY COMMISSION EXPIRES 3-1-76

Seal