

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Copy to S.F.
Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other ☒ **Water Injection**

5. LEASE DESIGNATION AND SERIAL NO.

LC 06806L

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME

S. FARM OR LEASE NAME

Crier

9. WELL NO.

16

10. FIELD AND POOL, OR WILDCAT

Square Lake

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

11-16-31

12. COUNTY OR _____

COUNTY
PARISH

13. STATE

New Mexico

15. DATE SPUDDED 11-30-68	16. DATE T.D. REACHED 12-10-68	17. DATE COMPL. (Ready to prod.) 1-17-69	18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 3810 GL	19. ELEV. CASINGHEAD 3806
------------------------------	-----------------------------------	---	--	------------------------------

20. TOTAL DEPTH, MD & TVD 3264 (KB)	21. PLUG, BACK T.D., MD & TVD 3242 (GL)	22. IF MULTIPLE COMPL. HORIZ. COMPLETION RE-120195	23. INTERVALS DRILLED BY 0-3264	ROTARY TOOLS	CABLE TOOLS
--	--	--	---------------------------------------	--------------	-------------

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*	25. WAS DIRECTIONAL SURVEY MADE
Grayburg (Premier) 3035-95	No
San Andres (Lovington) 3215-25	

26. TYPE ELECTRIC AND OTHER LOGS RUN GR, Density, Caliper	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	24	433	11"	250 sx. reg-Circulated to surface	
4 1/2	10.5	3252	7 7/8"	600 sx. Incor w/12% gel	
				200 sx. Incor peamix - circulated to surf	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2"	3110	3112

31. PERFORATION RECORD (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
			DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3037-42	2/ft	10 holes	3037-42	500 gal 15% Hcl
3078-84	1/ft	6 holes	3078-84	" " " "
3089-91	2/ft	4 holes	3089-91	
3218-22	2/ft	8 holes	3218-22	" " " "

33.* PRODUCTION		
DATE FIRST PRODUCTION	PRODUCTION METHOD (<i>Flowing, gas lift, pumping—size and type of pump</i>)	WELL STATUS (<i>Producing or shut-in</i>)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

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

35. LIST OF ATTACHMENTS

GR-Density-Caliper Logs (2) Deviation Surveys (3)

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

SIGNED

TITLE

District Superintendent

DATE _____

18 January 1969

*** (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 19: 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			38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	NAME	MEAS. DEPTH	TRUE VERT. DEPTH

INCLINATION REPORT

OPERATOR: Anadarko Production Company
P. O. Box 116
Loco Hills, New Mexico

LEASE NAME & NO: Grier Federal Well No. 16

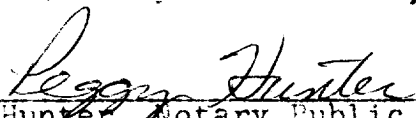
LOCATION: 10' FWL & 2630' FNL, Sec 31-16-31, Eddy County, New Mexico

<u>DEPTH (feet)</u>	<u>INCLINATION (degrees)</u>
450	1/4
900	3/4
1364	3/4
1830	1-1/4
1896	1
2292	1
2695	1/4
3170	1/2
3260	1/2

I, E. P. Leatherwood, Vice President of Leatherwood Drilling Co., being first duly sworn on oath state that I have knowledge of the facts and matter herein and that the same are true and correct.


E. P. Leatherwood

SUBSCRIBED AND SWORN to before me this 14th day of December, 1968


Peggy Hunter, Notary Public in &
for Winkler County, Texas.

1. The first part of the document is a list of the names of the persons who have been named in the document.

2. The second part of the document is a list of the names of the persons who have been named in the document.

3. The third part of the document is a list of the names of the persons who have been named in the document.

4. The fourth part of the document is a list of the names of the persons who have been named in the document.

5. The fifth part of the document is a list of the names of the persons who have been named in the document.

6. The sixth part of the document is a list of the names of the persons who have been named in the document.

7. The seventh part of the document is a list of the names of the persons who have been named in the document.

8. The eighth part of the document is a list of the names of the persons who have been named in the document.

9. The ninth part of the document is a list of the names of the persons who have been named in the document.

10. The tenth part of the document is a list of the names of the persons who have been named in the document.

11. The eleventh part of the document is a list of the names of the persons who have been named in the document.

12. The twelfth part of the document is a list of the names of the persons who have been named in the document.

13. The thirteenth part of the document is a list of the names of the persons who have been named in the document.

14. The fourteenth part of the document is a list of the names of the persons who have been named in the document.

15. The fifteenth part of the document is a list of the names of the persons who have been named in the document.

16. The sixteenth part of the document is a list of the names of the persons who have been named in the document.