

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.

5. LEASE DESIGNATION AND SERIAL NO.

LC 068064

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Grier

9. WELL NO.

17

10. FIELD AND POOL, OR WILDCAT

Square Lake

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

31-16-31

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 _____

2. NAME OF OPERATOR

Anadarko Production Company

3. ADDRESS OF OPERATOR

Box 67 Loco Hills, New Mexico 88255

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

At surface

330' FHL & 660' FEL Sec. 31, T 16 S, R 31 E

At top prod. interval reported below

Same

At total depth

Same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUNDED

12-12-68

16. DATE T.D. REACHED

12-29-68

17. DATE COMPL. (Ready to prod.)

1-15-69

18. ELEVATIONS (DF, R&B, ST, GR, ETC.)*

3845 GL

19. ELEV. CASINGHEAD

3843

20. TOTAL DEPTH, MD & TVD

3420 (KB)

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

3396 (GL)

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-3420

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

Grayburg (Matex & Premier) 3130-3230

San Andres (Lovington) 3330-45

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CR-Neutron

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"	24	504	11"	250 ex. rel.-Circulated to surface	
1 1/2	10.5	3410	7 7/8"	300 ex. Incon Hi-Density plus	
				100 ex. Incon Formix	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	ROBBIN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2"	3345	-

31. PERFORATION RECORD (Interval, size and number)

3132, 34, 36, 38, 40 Total of 5 holes
3167-71 @ 1/ft 5 holes
3210-20 @ 2/ft 20 holes
3333-38 @ 2/ft 10 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3132-40	500 gal Rel, 5000 gal/40000 Frac
3167-71	" " " " " " "
3210-20	" " " 10,000 " 12,000 "
3333-38	" " " 10,000 " 6,000 "

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
16 January 1969		Pump				Prod.	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1-22-69	24		→	82	5	23	224
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OTHER DATA (C&B)	
		→				NEGATIVE	

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

used for fuel

TEST WITNESSED FEB 4 1969

35. LIST OF ATTACHMENTS

CR-Neutron Logs (2) Deviation Surveys (3)

D. C. C.

ARTESIA, OFFICE

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

SIGNED

D. R. Layton

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 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.
Queen	2470	2530	Sandstone, water, al. show gas
Grayburg (Premier)	3130	3230	Porous sandstone stringers, contained oil and gas
San Andres (Lovington)	3326	3342	Porous sand stone, contained oil & gas

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Salt	657	
	1421 (Base)	
Anhydrite	1690	
Queen	2470	
Penrose	2730	
Grayburg	2810	
San Andres	3230	

INCLINATION REPORT

OPERATOR: Anadarko Production Company
P. O. Box 9317
Fort Worth, Texas 76107

LEASE NAME & NO: Grier Federal Well No. 17

LOCATION: 330' FNL & 660' FEL, Sec. 31-16-31, Loco Hills Field, Eddy County,
New Mexico

<u>DEPTH (feet)</u>	<u>INCLINATION (degrees)</u>
518	1 - 1/2
1045	1 - 1/4
1466	1 - 1/4
1931	1 - 1/2
2037	1
2490	1
2775	1 - 1/2

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

JAN 27 1969
U. S. DEPARTMENT OF THE INTERIOR
ARTESIA, NEW MEXICO

E. P. Leatherwood

E. P. Leatherwood

SUBSCRIBED AND SWORN TO before me this 16th day of January, 1969.

Peggy Hunter

Peggy Hunter, Notary Public in and for
Winkler County, Texas