

**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 GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLEG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
Southwestern Natural Gas, Inc.

3. ADDRESS OF OPERATOR
900 Bank of the Southwest Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1980' FNL and 1980' FEL, Sec. 24, T-7-S, R-32-E
At top prod. interval reported below Same
At total depth Same

14. PERMIT NO. _____ DATE ISSUED 6-26-68

5. LEASE DESIGNATION AND SERIAL NO.
NM-03446-B
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal "24"
9. WELL NO.
1
10. FIELD AND POOL, OR WILDCAT
Chaveroo
11. SEC., T., E., M., OR BLOCK AND SURVEY OR AREA
Sec. 24, T-7-S, R-32-E

12. COUNTY OR PARISH
Roosevelt
13. STATE
New Mexico

15. DATE SPUNDED 7-1-68 16. DATE T.D. REACHED 7-8-68 17. DATE COMPL. (Ready to prod.) 9-10-68 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4459' DF 19. ELEV. CASINGHEAD 4448'

20. TOTAL DEPTH, MD & TVD 4700' 21. PLUG, BACK T.D., MD & TVD 4699' 22. IF MULTIPLE COMPL., HOW MANY* -- 23. INTERVALS DRILLED BY Rotary Tools CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
4162' - 4388' San Andres 25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
GR/N - CEL 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
7"	23	1824'	11"	400 sks - Circ.	None
4 1/2"	10.5	4700'	6 1/8"	150 sks	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	4159'	None

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	4159'	None

31. PERFORATION RECORD (Interval, size and number)
4162' - 4388' 15 - 0.375" Holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<u>4162' - 4388'</u>	<u>Acetic acid - 500 gals 1,000 gals HCL acid 40,000 gals refined oil plus 80,000 lbs 20-40 Sand.</u>

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
<u>9-10-68</u>	<u>Pump - 2" X 1 1/2" X 12'</u>	<u>Producing</u>

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
<u>9-10-68</u>	<u>24</u>	<u>--</u>	<u>10</u>	<u>1.5</u>	<u>75</u>	<u>150</u>	<u>28°</u>

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Vented TEST WITNESSED BY Kelton Mann

35. LIST OF ATTACHMENTS
C-104, Inclination Report

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

SIGNED [Signature] TITLE Office Manager DATE _____

*(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.
Rustler	0	1700'	Sd. and Red Shale
Yates	1700	2260'	Anhydrite
Seven Rivers	2260	2370'	Sd.
Queen	2370	2950'	Bolomite
San Andres	2950	3415'	Sd. & Dolomite
	3415	4700'	Dolomite & Shale

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Rustler	1700'		
Yates	2260'		
Seven Rivers	2370'		
Queen	2950'		
San Andres	3415'		