

**UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE*

Form approved.
Budget Bureau No. 42-R355.f.**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
Southland Royalty Company3. ADDRESS OF OPERATOR
21 Desta Drive, Midland, Texas 797054. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1980' FEL & 660' FSL, Sec. 21, T-24-S, R-34-E

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.

NM 20380 20480

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Vaca Ridge "21" Federal Co

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Pitchfork Ranch (Morrow)

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

Sec. 21, T-24-S, R-34-E

12. COUNTY OR PARISH

Lea

13. STATE

N.M.

15. DATE SPUDDED

3-25-84

16. DATE T.D. REACHED

5-15-84

17. DATE COMPL. (Ready to prod.)

5-24-84

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

3500.5' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

15,200'

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

15,135'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

XX

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

14,457-474' 35 holes Morrow

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL/LDT/GR/Cal, DIL Log

25. WAS DIRECTIONAL SURVEY MADE

Yes

27. WAS WELL CORED

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48 & 54.5#	600'	17 1/2"	290 sxs Lite + 200 C1 "C"	Circ.
9 5/8"	35 & 40#	5172'	12 1/4"	2150 sxs Lite + 450 C1 "C"	Circ.
7"	36#	13,012'	8 3/4"	925 sxs Lite + 500 C1 "H"	TOC 5950'

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4 1/2"	12,441'	15,200'	425		2 7/8"	12,385'	12,385'

31. PERFORATION RECORD (Interval, size and number)

14,457-74' (.375) 35 holes)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	None

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
5-30-85		Flowing					Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
5-30-85	1 hr	6.5/64"	→	0	570	0	-	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
7930	-	→	0	570	0	-		
34. DISPOSITION OF GAS (Sold, used for fuel, etc.)								

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

Sold

JUL 8 1985 TEST WITNESSED BY
Ed Jackson

35. LIST OF ATTACHMENTS

Logs, Inclination Survey, C-104, Temperature Survey, C-123, NE at MEXICO

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

SIGNED

Daniel Robert

TITLE

Operations Engineer

DATE

6/11/85

*(See Instructions and Spaces for Additional Data on Reverse Side)