

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions 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 ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

Southland Royalty Company

3. ADDRESS OF OPERATOR

Box 1515, Midland, Texas

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

At surface 1830' FSL & 660' FSL, Sec. 1, T-11-S, R-33-E
Lea County, New Mexico

At top prod. interval reported below

Not intentionally deviated

At total depth
Not intentionally
deviated

14. PERMIT NO.

-

DATE ISSUED

-

15. DATE SPUDDED

11-4-64

16. DATE T.D. REACHED

12-8-64

17. DATE COMPL. (Ready to prod.)

12-16-64

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

4204 RKB

19. ELEV. CASINGHEAD

4193

20. TOTAL DEPTH, MD & TVD

9800'

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

22. IF MULTIPLE COMPL.,

HOW MANY*

-

23. INTERVALS

DRILLED BY

0-9800'

ROTARY TOOLS

CABLE TOOLS

-

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

9698 to 9723 - Bough "C" formation

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray - Sonic Log only

27. WAS WELL CORED

Yes

28. 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#	371'	17 1/4"	300 sacks	None
8 5/8"	24# & 32#	4000'	11	350 sacks	None
5 1/2"	17#	9800'	7 7/8"	340 sacks	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
-	-	-	-	-	-	-	-

31. PERFORATION RECORD (Interval, size and number)

9704' to 9716'
2 holes/ft. - 24 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
9704-16'	500 gallons mud acid & 2000 gallons 15% acid in two stages.

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
Dec. 17, 1964		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
Dec. 31	24	32/64	→	244	340	233	1365
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
300	0-Pkr.	→	244	340	233	46.3	

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

Vented

TEST WITNESSED BY

-

35. LIST OF ATTACHMENTS

State Forms

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

SIGNED

TITLE

Engineer

DATE 1-4-65

*(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				38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH
Porosity Zones:					
San Angelo	5400	6100	Core Description: 9690-9706 gry fn xln dense ls w/ strks of gry shale, no shows.	Yates	2600
Tubb	6770	6900		Queen	3445
Wolfcamp	9230	9801	9706-9730 brn fn xln dense ls w/ 10-70% solution porosity and fair oil stain.	Grayburg	3647
Wolfcamp (Core)	9690	9740		San Andres	3894
San Andres (DST #1)	4600	5100	9730-9740 brn fn xln dense ls, no shows.	San Angelo	5320
Wolfcamp				Tubb	6770
Bough "C" DST #2	9690	9740	DST #1 - 4600-5100 packer failed, no pressures recorded. DST #2 - 9710-9740 op 1 hr 20 mins., oil to no water cushion. GTS 3 mins., mud to surface 7 mins., oil to surface 9 mins. Well flowed east 6 BOPH on 1/4" ch w/500-750# FFP. Rec 25.5 BO, 10% water, 360' water below sub. IHMW 5067#, 30" ISIP 2632#, IFF 1594#, FFP 2567#, 30" FSIP 2632#, FHMW 5046#. Temp 152 degrees.	Abo	7570
				Wolfcamp	8808
				Bough "B"	9648
				Bough "C"	9697