

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

Form approved.
Budget Bureau No. 42-R355.5.(See other
instructions
on reverse side)

LEASE DESIGNATION AND SERIAL NO.

F-078110

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						7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Drawer 570, Farmington, New Mexico 87499						8. FARM OR LEASE NAME Locke	
4. LOCATION OF WELL (Report location clearly and in accordance with applicable state requirements) At surface 1120' FSL & 1120' FEL At top prod. interval reported below At total depth						9. WELL NO. 1	
14. PERMIT NO. 0-5 GEOLOGICAL SURVEY FARMINGTON, N. M. DATE ISSUED						10. FIELD AND POOL, OR WILDCAT Basin Dakota	
15. DATE SPUNDED 6-6-83						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 3, T29N, R14W	
16. DATE T.D. REACHED 6-15-83						12. COUNTY OR PARISH San Juan	
17. DATE COMPL. (Ready to prod.) 6-25-83						13. STATE New Mexico	
18. ELEVATIONS (DF, RKB, BT, GR, ETC.)* 5488' KB						19. ELEV. CASINGHEAD 5476' GL	
20. TOTAL DEPTH, MD & TVD 6000'		21. PLUG, BACK T.D., MD & TVD 5945'		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY 0-6000'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5728'-5744' (Dakota)						25. WAS DIRECTIONAL SURVEY MADE Deviation	
26. TYPE ELECTRIC AND OTHER LOGS RUN CDL/CNL, IEL and CBL						27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
8-5/8"		24#		236'		12-1/4"	
4-1/2"		10.5#		5988'		7-7/8"	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
----		---		-----		-----	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2-3/8"		5738'		-			
31. PERFORATION RECORD (Interval, size and number) Dakota: (Total of 4 holes) 5728', 5732', 5737', 5744'							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
5728'-5744'				Frac'd with 40,124 gals of frac fluid and 25,000# of 20/40 sand.			
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
7-8-83		Flowing				Shut-In	
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD	
7-8-83		3		3/4"		---	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.	
46		269		---		---	
						GAS—MCF. 83	
						WATER—BBL. ----	
						OIL GRAVITY-API (CORR.) ---	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold						TEST WITNESSED BY Tom Wagner	
35. LIST OF ATTACHMENTS						ACCEPTED FOR RECORD	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>Catherine J. Greyson</u>				TITLE <u>Secretary</u>		DATE <u>JUL 22 1983</u>	

*(See Instructions and Spaces for Additional Data on Reverse Side) FARMINGTON RESOURCE AREA
FARMINGTON, NEW MEXICO

NMOCC

BY Jmm

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.)

#28 8-5/8" casing cemented with 189 cu.ft. of Class "B" containing 1/4# flocele and 3% CaCl₂. PD @ 11:00 AM 6-6-83.
Cmt circulated.

4-1/2" casing cemented 1st stage with 276 cu.ft. of C1 B 50/50 Poz, 6% gel & 1/4# celloflake, tailed in w/13 cu.ft.
C1 B neat & 2% CaCl₂. PD @ 7:30 PM 6-15-83. 2nd stage cmt'd w/730 cu.ft. C1 B 50/50 Poz, 6% gel & 1/4# celloflake,
tailed in w/59 cu.ft. C1 B neat & 2% CaCl₂. PD @ 11:45 PM 6-15-83. 3rd stage cmt'd w/201 cu.ft. C1 B 50/50 Poz

Taken by 5900 ft. C1 B 7-2% CaCl₂
38. GEOLOGIC MARKERS

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.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
ESTIMATED			6% gel and 1/4# celloflake, tailed in with 59 cu.ft. C1 B neat and 2% CaCl ₂ . PD @ 3:50 AM 6-16-83.			
Fruitland	700'					
Pictured Cliffs	1020'					
Lewis	1150'					
Chacra	1668'					
DV tool	2453'					
Cliff House	2560'					
Point Lookout	3515'					
DV Tool	3810'					
Gallup	4750'					
Graneros	5563'					
Dakota	5616'					