

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						7. UNIT AGREEMENT NAME	
Southland Royalty Company						Cooper	
3. ADDRESS OF OPERATOR						8. FARM OR LEASE NAME	
P.O. Drawer 570, Farmington, New Mexico 87409-0570						3-E	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)						9. WELL NO.	
At surface 1810' FSL & 860' FEL						3-E	
At top prod. interval reported below						10. FIELD AND POOL, OR WILDCAT	
At total depth						✓ Crouch Mesa-Mesa Verde Basin Dakota	
14. PERMIT NO. FARMING DISTRICT						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA	
Section 6, T29N, R11W						12. COUNTY OR PARISH	
San Juan						13. STATE	
New Mexico						15. DATE SPUDDED	
11-17-81		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	
11-25-81		11-25-81		1-16-82		5777' GL 5788' KB 5777' 6L	
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY	
6705'		6642'		2		ROTARY TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*		25. WAS DIRECTIONAL SURVEY MADE		26. TYPE ELECTRIC AND OTHER LOGS RUN		27. WAS WELL CORED	
3650'-3696' (Mesa Verde - Cliff House)		Deviation		GR/FDC, IEL, GR-CBL/CCL		No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
8-5/8"		24#		240' KB		12-1/4"	
5-1/2"		15.5#		6681' KB		7-7/8"	
						CEMENTING RECORD	
						160 sacks	
						888 sacks (3 stages)	
						See Attached	
						AMOUNT PULLED	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
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						SCREEN (MD)	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
1-1/2"		3677'		3250'			
31. PERFORATION RECORD (Interval, size and number)							
Mesa Verde: (Cliff House) Total 8 holes							
3650', 3657', 3662', 3666', 3671', 3674', 3691', 3696'.							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED					
3650'-3696'		Frac'd with 57,640 gals fresh water and 40,000# 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)	
2/13/82		Flowing				Shut-In	
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD	
2-03-82		3		3/4"		OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO	
						342	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL GRAVITY-API (CORR.)	
226		833		11590			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
Sold						Kelly Maxwell	
35. LIST OF ATTACHMENTS							

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

SIGNED [Signature]TITLE Dist. Prod. ManagerDATE Feb 01 1982

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

NMOCG

FARMINGTON DISTRICT
BY [Signature]

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	TOP	TRUE VERT. DEPTH
Ojo Alamo	741'						
Pictured Cliffs	1953'						
Cliff House	3544'						
Point Lookout	4267'						
Graneros	6345'						
Dakota	6471'						

Cement Record

8 $\frac{5}{8}$ " casing $\rightarrow$ 160 sx 1" B" w/ $\frac{1}{4}$ # floccle / sx, 3% CaCl₂.
5 $\frac{1}{2}$ " casing $\rightarrow$ 1st 225 Sx 1" B" 50:50 Poz w/ 6% gel, $\frac{1}{4}$ # gel
flake / sx. 100 sx 1" B" w/ 2% CaCl₂.
2nd 248 sx 1" B" 50:50 Poz w/ 6% gel, $\frac{1}{4}$ # gel
flake / sx. 50 sx 1" B" w/ 2% CaCl₂.
3rd 215 sx 1" B" 50:50 Poz w/ 6% gel, $\frac{1}{4}$ #
gel + flake / sx. 50 sx 1" B" w/ 2% CaCl₂.

C.T. 1100'