

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.6.

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 <i>Southland Royalty Company</i>						7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR <i>P. O. Drawer 570, Farmington, New Mexico</i>						8. FARM OR LEASE NAME <i>Cain</i>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface <i>1730' FSL & 1520' FEL</i> At top prod. interval reported below At total depth						9. WELL NO. <i>15-M</i>	
14. PERMIT NO.						DATE ISSUED	
15. DATE SPUDDED <i>3-11-82</i>						16. DATE T.D. REACHED <i>3-21-82</i>	
17. DATE COMPL. (Ready to prod.) <i>4-17-82</i>						18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* <i>5795' KB</i>	
19. ELEV. CASINGHEAD <i>5783' GL</i>						20. TOTAL DEPTH, MD & TVD <i>6725'</i>	
21. PLUG, BACK T.D., MD & TVD <i>6680'</i>						22. IF MULTIPLE COMPL., HOW MANY* <i>2</i>	
23. INTERVALS DRILLED BY <i>0-6725'</i>						24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* <i>6489'-6695' (Dakota)</i>	
25. WAS DIRECTIONAL SURVEY MADE <i>Deviation</i>						26. WAS WELL CORED <i>No</i>	
27. TYPE ELECTRIC AND OTHER LOGS RUN <i>IES, GR-FDC, GR-CBL/VDL, GR-CCL and GR-Collar</i>							
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
<i>8-5/8"</i>		<i>24#</i>		<i>242'</i>		<i>12-1/4"</i>	
<i>5-1/2"</i>		<i>15.5#</i>		<i>6724'</i>		<i>7-7/8"</i>	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
<i>---</i>		<i>---</i>		<i>---</i>		<i>---</i>	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
<i>1-1/2"</i>		<i>6639'</i>		<i>4703'</i>			
31. PERFORATION RECORD (Interval, size and number) <i>Dakota:</i> <i>6489', 6543', 6548', 6553', 6558', 6601', 6603', 6605', 6607', 6617', 6643', 6651', 6653', 6688', 6690', 6692', 6695'.</i> <i>Total of 17 holes</i>							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
<i>6489'-6695'</i>				<i>Frac'd with 128,341 gals 30# gel water and 57,975# of 20/40 sand.</i>			
33. PRODUCTION							
DATE FIRST PRODUCTION <i>5-21-82</i>		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) <i>Flowing</i>				WELL STATUS (Producing or shut-in) <i>Shut-In</i>	
DATE OF TEST <i>5-21-82</i>		HOURS TESTED <i>3</i>		CHOKE SIZE <i>3/4"</i>		PROD'N. FOR TEST PERIOD <i>---</i>	
OIL—BBL. <i>---</i>		GAS—MCF. <i>351</i>		WATER—BBL. <i>---</i>		GAS-OIL RATIO <i>---</i>	
FLOW. TUBING PRESS. <i>234</i>		CASING PRESSURE <i>---</i>		CALCULATED 24-HOUR RATE <i>---</i>		OIL GRAVITY-API (CORR.) <i>---</i>	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) <i>to be sold</i>						TEST WITNESSED BY <i>Odell Farley</i>	
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 <i>CC Parson</i>		TITLE <i>District Production Manager</i>				DATE <i>June 13, 1982</i>	

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

NMOCC

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 16: 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 24, and in item 24 show the producing interval, or intervals, top(s), bottom(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.)

ESTIMATED TOPS

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.	38. GEOLOGIC MARKERS	
				NAME	MEAN. DEPTH
Ojo Alamo	825'		#28 CEMENTING RECORD 8-5/8" Casing: Cemented with 160 sxs of Class "B" with 1/4# gel flake/sx and 3% CaCl₂. Ont circulated to surface. 5-1/2" Casing: Ontd 1st stage with 345 sxs of Class "B" 50/50 Poz with 6% gel and 1/4# gel flake per sack, tail in with 50 sxs Cl "B" with 2% CaCl₂. Ontd 2nd stage with 20 bbls of flo-duck 21 chemical sweep, 700 sxs of Cl B 50/50 Poz w/6% gel & 1/4# gel flake/sx, tail in w/50 sxs of Cl B w/2% CaCl₂. Ontd 3rd stage with 20 bbls flo-duck w/50/50 Poz w/6% gel, 1/4# flo-duck/sx, tail in w/50 sxs Cl B w/2% CaCl₂. Good circulation throughout all three stages.		
Fruitland	1790'				
Fractured Cliffs	2002'				
Chacra	3025'				
Cliff House	3623'				
Point Lookout	4342'				
Gallup	5532'				
Greenhorn	6311'				
Graneros	6375'				
Dakota	6497'				