

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. REVR. ☐	Other _____
2. NAME OF OPERATOR <u>Southland Royalty Company</u>						7. UNIT AGREEMENT NAME <u>Hare</u>	
3. ADDRESS OF OPERATOR <u>P. O. Drawer 570, Farmington, New Mexico 87401</u>						8. FARM OR LEASE NAME <u>Hare</u>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface <u>1850' FSL & 900' FEL</u> At top prod. interval reported below At total depth						9. WELL NO. <u>22-A</u>	
10. FIELD AND POOL, OR WILDCAT ☒ <u>Blanco Mesa Verde</u> <u>Aztec Pictured Cliffs</u>						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA <u>Section 14, T29N, R10W</u>	
14. PERMIT NO. _____ DATE ISSUED _____						12. COUNTY OR PARISH <u>San Juan</u>	
15. DATE SPUNDED <u>3-15-79</u>						13. STATE <u>New Mexico</u>	
16. DATE T.D. REACHED <u>3-21-79</u>		17. DATE COMPL. (Ready to prod.) <u>5-13-79</u>		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* <u>5848' GR</u>		19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD <u>4888'</u>		21. PLUG, BACK T.D., MD & TVD <u>4696'</u>		22. IF MULTIPLE COMPLET., HOW MANY* <u>5848' GR</u>		23. INTERVALS DRILLED BY <u>0 - 4696'</u>	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* <u>MV 3983' - 4696'</u>						25. WAS DIRECTIONAL SURVEY MADE <u>Deviation</u>	
26. TYPE ELECTRIC AND OTHER LOGS RUN <u>IES and GR-Density Logs</u>						27. WAS WELL CORED <u>No</u>	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
9-5/8"		36#		232'		12-1/4"	
7"		20#		2590'		8-3/4"	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
4-1/2"		2431'		4886'		300	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2-3/8"		4646'		2333' PBR			
31. PERFORATION RECORD (Interval, size and number)							
<u>MV - 3983', 3989', 4292', 4298', 4366', 4532', 4538', 4544', 4556', 4581', 4645', 4696'.</u>							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
3983' - 4696'				93,500 gals water			
				72,000# 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)	
		Flowing				Shut-In	
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD	
5-20-79		3		3/4"		OIL--BBL. GAS--MCF. WATER--EBL. GAS-OIL RATIO	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL GRAVITY-API (CORR.)	
144		-0-		1837			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) <u>Sold</u>						TEST WITNESSED BY <u>Dean Lingo</u>	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is true and correct as determined from all available records							
SIGNED		DATE		DISTRICT PRODUCTION MANAGER		DATE	
<u>[Signature]</u>		<u>June 1, 1979</u>		<u>[Signature]</u>		<u>June 1, 1979</u>	

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

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

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form Approved
Budget Bureau No. 42-R555.5.**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

P. O. Drawer 570, Farmington, New Mexico 87401

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

At surface 1850' FSL & 900' FEL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

3-15-79

16. DATE T.D. REACHED

3-21-79

17. DATE COMPL. (Ready to prod.)

5-20-79

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

5848' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

4888'

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

4696'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-4696'

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

PC 2252' - 2284'

25. WAS DIRECTIONAL SURVEY MADE

Deviation

26. TYPE ELECTRIC AND OTHER LOGS RUN

IES and GR-Density Logs

27. WAS WELL CORED

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<u>9-5/8"</u>	<u>36#</u>	<u>232'</u>	<u>12-1/4"</u>	<u>125 sacks</u>	
<u>7"</u>	<u>20#</u>	<u>2590'</u>	<u>8-3/4"</u>	<u>220 sacks</u>	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
<u>4-1/2"</u>	<u>2431'</u>	<u>4886'</u>	<u>300</u>		<u>1-1/4"</u>	<u>2284'</u>	<u>2333' PBR</u>

31. PERFORATION RECORD (Interval, size and number)

PC - 2252', 2260', 2268', 2276', 2284'.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<u>2252' - 2284'</u>	<u>65,646 gals water</u>
	<u>48,000# 20/40 sand</u>

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
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DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
<u>5-27-79</u>	<u>3</u>	<u>3/4"</u>					
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OW—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
<u>73</u>	<u>413</u>			<u>1689</u>			

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

Sold

TEST WITNESSED BY

Dean Lingo

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

TITLE

District Production Manager DATE June 1, 1979

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

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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	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Ojo Alamo	1075'				
Fruitland	1940'				
Pictured Cliffs	2238'				
Cliff House	3904'				
Point Lookout	4530'				