

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

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

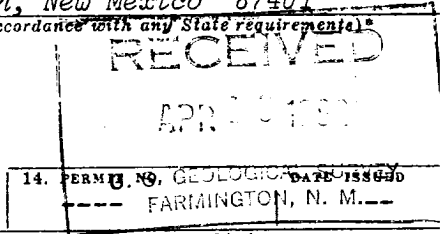
1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

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
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 & 790' FEL
At top prod. interval reported below
At total depth



14. PERM. NO. GEOLOGICAL SURVEY DATE ISSUED
FARMINGTON, N. M.

5. LEASE DESIGNATION AND SERIAL NO.

NM-01772-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Reid

9. WELL NO.

21-E

10. FIELD AND POOL, OR WILDCAT

Basin, Dakota
 Undesignated Chasra

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Section 19, T28N, R9W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

15. DATE SPUDED 1-1-82 16. DATE T.D. REACHED 1-12-82 17. DATE COMPL. (Ready to prod.) 2-27-82 18. ELEVATIONS (DP, RKB, RT, CR, ETC.)* 5877' KB 19. ELEV. CASINGHEAD 5865' GL

20. TOTAL DEPTH, MD & TVD 6678' 21. PLUG, BACK T.D., MD & TVD 6635' 22. IF MULTIPLE COMPL., HOW MANY* 2 23. INTERVALS DRILLED BY ROTARY TOOLS 0-6678' CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
6442' - 6610' (Dakota) 25. WAS DIRECTIONAL SURVEY MADE
Deviation

26. TYPE ELECTRIC AND OTHER LOGS RUN
GR-CBL/CCL, IEL and Density Com. Borehole 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
8-5/8"	24#	224'	12-1/4"	185 sacs of Class "B" cmt	Circ to surface
5-1/2"	15.5#	6678'	7-7/8"	***SEE OTHER SIDE***	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
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31. PERFORATION RECORD (Interval, size and number)
Dakota: (Total of 10 holes)

6442', 6489', 6494', 6499', 6505', 6510'
6569', 6580', 6605', 6610',

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<u>6442'-6610'</u>	<u>Frac'd with 68,900 gals 30# gel water and 53,900# of 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)					
<u>4-4-82</u>	<u>Flowing</u>	<u>Shut-In</u>					
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
<u>4-4-82</u>	<u>3</u>	<u>3/4"</u>	<u>→</u>	<u>---</u>	<u>81</u>	<u>---</u>	<u>---</u>
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
<u>45</u>	<u>---</u>	<u>→</u>	<u>---</u>	<u>655</u>	<u>---</u>	<u>---</u>	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
to be sold TEST WITNESSED BY Leroy Castleman

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available data.
SIGNED [Signature] TITLE Dist. Prod. Manager DATE April 7, 1982

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

NMOCC

ACCEPTED FOR RECORD
APR 10 1982
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 23, 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
Ojo Alamo	961'		
Fruitland	1730'		
Pictured Cliffs	2049'		
Chacra	2602'		
Cliff House	3603'		
Point Lookout	4328'		
Gallup	5521'		
Greenhorn	6300'		
Graneros	6372'		
Dakota	6484'		
#28 CEMENTING REPORT FOR 5-1/2"			
1st Stage with 130 sxs of Class "B" 50/50 Poz, followed with 50 sacks of Class "B" Neat.			
2nd Stage with 285 sxs of Class "B" 50/50 Poz, followed with 50 sacks of Class "B" Neat.			
3rd Stage with 170 sxs of Class "B" 50/50 Poz, followed with 50 sacks of Class "B" Neat.			
Good Circulation throughout all 3 stages.			
			MEAS. DEPTH
			TOP
			TRUN VERT. DEPTH