

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 *

5. LEASE DESIGNATION AND SERIAL NO.

NM-4456

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cat Draw

9. WELL NO.

1E

10. FIELD AND POOL, OR WILDCAT

✓ Blanco Mesaverde
Basin Dakota

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

Section 4, T30N, R5W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

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 87400

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

At surface 860' FNL & 1770' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO.

RECEIVED
DEC 07 1982
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

15. DATE SPUDDED 8-3-82 16. DATE T.D. REACHED 8-18-82 17. DATE COMPL. (Ready to prod.) 11-3-82 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6465' KB 19. ELEV. CASINGHEAD 6453' GL

20. TOTAL DEPTH, MD & TVD 8035' 21. PLUG, BACK T.D., MD & TVD 7983' 22. IF MULTIPLE COMPL., HOW MANY* 2 23. INTERVALS DRILLED BY 0-7983' ROTARY TOOLS CABLE TOOLS ---

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

5435'-5756' (Mesaverde)

25. WAS DIRECTIONAL SURVEY MADE

Deviation

26. TYPE ELECTRIC AND OTHER LOGS RUN

CDL, 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	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	32.30#	527.90'	12-1/4"	SEE OTHER SIDE FOR CEMENT	REPORTS
5-1/2"	15.5# & 17#	8033'	7-7/8"	" " " " "	"

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
---	---	---	---		1-1/2"	5770.67'	5935'

31. PERFORATION RECORD (Interval, size and number)

Mesaverde (14 holes)
5435', 5442', 5484', 5488', 5492', 5686',
5694', 5699', 5704', 5711', 5718', 5741',
5752', 5756'.

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

DEPTH INTERVAL (MD) 5435'-5756' AMOUNT AND KIND OF MATERIAL USED
Frac'd with 80,843 gals water
and 56,000# 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)	
11-24-82		Flowing					Shut-In	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
11-24-82	3	3/4"	→	---	209	---	---	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
134	579	→	----	1674	-----	---		

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

To be sold

TEST WITNESSED BY

Steve McCament

35. LIST OF ATTACHMENTS

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

SIGNED

Ruthen Greyson

TITLE

Secretary

DATE

11-06-82

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

BY

FARMINGTON DISTRICT
Elliott

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.

Item 4: 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	TRUE VERT. DEPTH	
Ojo Alamo	2525'		#28 Cement Report 9-5/8" casing cemented with 312 cu.ft. of Class "B" w/3% CaCl ₂ & 1/4# celloflake. PD @ 9:00 AM 8-4-82. Cmt circulated 5-1/2" cemented as follows: 1st stage with 316 cu.ft. of Class "B" 50/50 Poz, 6% gel & 1/4# celloflake, tailed in with 417 cu.ft. of C1 B neat w/2% CaCl ₂ . PD @ 1:00 PM 8-18-82. 2nd stge with 367 cu.ft. C1 B 50/50 Poz with 6% gel. PD @ 5:30 PM 8-18-82. 3rd stge with 610 cu.ft. C1 B 50/50 Poz, 6% gel, 1/4# celloflake, tailed in with 59 cu.ft. Neat with 2% CaCl ₂ . PD @ 7:30 PM 8-18-82.				
Fruitland	3130'						
Pictured Cliffs	3268'						
Cliff House	5430'						
Point Lookout	5705'						
Semillia	7520'						
Greenhorn	7700'						
Graneros	7750'						
Dakota	7880'						