

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: Oil Well Water Well Other Disposal

2. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN BACK Other

3. NAME OF OPERATOR
Southland Royalty Company

4. ADDRESS OF OPERATOR
P.O. Box 4289, Farmington, NM 87499

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 1555'S, 1210'W

At top prod. interval reported below

At total depth

RECEIVED
FEB 27 1989

14. PERMIT NO. OIL CON. DIV

6. LEASE DESIGNATION AND SERIAL NO.
NM-2996

7. IF INDIAN, ALLOTTEE OR TRIBE NAME

8. UNIT AGREEMENT NAME

9. FARM OR LEASE NAME
Middle Mesa SWD

10. WELL NO.
1

11. FIELD AND POOL OR WILDCAT
Wildcat

12. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA
Sec. 25, T32N, R7W

13. COUNTY OR PARISH
San Juan

14. STATE
NM

15. DATE SPUDDED 11-30-88 16. DATE T.D. REACHED 01-14-89 17. DATE COMPL. (Ready to prod.) 2-7-89

18. TOTAL DEPTH, MD & TVD 9450' KB 19. PLUG BACK T.D., MD & TVD 9401' 20. IF MULTIPLE COMPL., HOW MANY? 2 21. INTERVALS DRILLED BY ROTARY TOOLS Yes 22. CABLE TOOLS

23. INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Injection 9219'-9330' (Entrada)
8959'-9109' (Bluff)

24. TYPE ELECTRIC AND OTHER LOGS RUN
None

25. WAS DIRECTIONAL SURVEY MADE
No

26. WAS WELL CORRED
No

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB/FT.	DEPTH SET (MD)	HOLE SIZE	EMMENTING RECORD	AMOUNT PULLED
20"	106.5#	488'	26"	826 cf	
13 3/8"	61# & 68#	3758'	17 1/2"	3922 cf	
7"	23#	9450'	12 1/4"	1266 cf	

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
9 5/8"	3579'	6500'	1273 cf		5 1/2"	8856'	8852'

31. PERFORATION RECORD (Interval, size and number)
Entrada 9219'-27' (2/SPF); 9231'-37' (1/SPF); 9240'-47' (2/SPF); 9251'-61' (2/SPF); 9264'-68' (1/SPF); 9271'-75' (1/SPF); 9297'-9302' (1/SPF); 9317'-24' (2/SPF); 9326'-30' (1/SPF); BLUFF-8959'-66' (1/SPF); 8981'-99' (1/SPF); (Cont. on back)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
Entrada Interval (MD) 9219'-9330'
AMOUNT AND KIND OF MATERIAL USED
2275 gal. 15% HCL, 25,245 gals. slick wtr., 96,530 gal. gel & 170,529# 20/40 sand.
8959'-9101' Bluff-2,980 gal. 15% HCL, 27,200 gal. slick wtr., 120,000 gal. gel & 222,500# 20/40 sand.

33. PRODUCTION
DATE FIRST PRODUCTION
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)
NOT APPLICABLE-DISPOSAL WELL
DATE OF TEST
HOURS TESTED
CHOKE SIZE
PROD'N. FOR TEST PERIOD
OIL—BSL.
GAS—MCF
WATER—BSL.
OIL GRAVITY-API (CORR.)

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

35. LIST OF ATTACHMENTS
Temp. Survey

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.
SIGNED [Signature] TITLE Regulatory Affairs BY [Signature] DATE 2-15-89

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

NMOCC

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.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2472'	2575'	ss. White cr-grn s.	Ojo Alamo	2472'	
Kirtland	2575'	3107'	Gry sh interbedded w/tight gry fine-grn ss.	Kirtland	2575'	
Fruitland	3107'	3456'	Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.	Fruitland	3107'	
Pictured Cliffs	3456'	5277'	Gry, fine-grn tight, varicolored soft ss.	Pic. Cliffs	3456'	
Chacra	5277'	5627'	Gry fn grn silty, glauconitic sd stone w/drck gry shale	Chacra	5277'	
Mesa Verde	5627'	5681'	Gry, fine-grn, dense sil ss., carb sh & coal	Mesa Verde	5627'	
Menefee	5681'	5886'	Gry, fine-grn s, carb sh & coal	Menefee	5681'	
Point Lookout	5886'	6393'	Gry, very fine sil ss w/frequent sh breaks	Pt. Lookout	5886'	
Mancos	6393'	6790'	Gry carb sh.	Mancos	6393'	
Gallup	6790'	7981'	Lt gry to brn calc carb micac glauco very fine gry ss w/irreg. interbed sh	Gallup	6790'	
Greenhorn	7981'	8028'	Highly calc gry sh w/thin lmst.	Greenhorn	7981'	
Graneros	8028'	8156'	Dk gry shale, fossil & carb w/pyrite incl.	Graneros	8028'	
Dakota	8156'	8432'	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale breaks	Dakota	8156'	
Morrison	8432'	8950'	Interbed grn brn & red waxy sh & fr to cr grn sd	Morrison	8432'	
Bluff	8950'	9197'	Lt orange to buff, fn gr, loosely cons, add to sub rdd grs, FQS ss.	Bluff	8950'	
Todilto	9197'	9218'	Dark gray limestone, anhydritic	Todilto	9197'	
Entrada	9218'	9450'	Orange, fn gr cl unconsolidated rd to sub-rd ss	Entrada	9218'	
(CONT.)	9005' - 13' (1/SPT)	9021' - 37' (1/SPT)	9005' - 13' (1/SPT); 9021' - 37' (1/SPT); 9069' - 79' (1/SPT); 9089' - 9101' (1/SPT) (0.5 dia. holes).			

38. GEOLOGIC MARKERS