

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

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

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. RESER. ☐ Other ☐

2. NAME OF OPERATOR
Southland Royalty Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 450' FSL 360' FWL

At top prod. interval reported below 5771'

At total depth 7434'

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED 7-13-85 16. DATE T.D. REACHED 7-28-85 17. DATE COMPL. (Ready to prod.) 4-1-86 18. ELEVATIONS (IDF, RKB, RT, GR, ETC.)* 7100' GL

20. TOTAL DEPTH, MD & TVD 7434' 21. PLUG BACK T.D., MD & TVD 7390' 22. IF MULTIPLE COMPL. HOW MANY* One 23. INTERVALS DRILLED BY Rotary

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
5771-7352' (West Lindrith Gallup-Dakota)

26. TYPE ELECTRIC AND OTHER LOGS RUN
After Treatment Evaluation log; Comp. Neutron GR Log; CBL; Temp Survey

27. WAS WELL CORRED
No

CASING RECORD (Report all strings set in well)						CEMENTING RECORD		AMOUNT PULLED	
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE						
8 5/8"	24.0#	234'	12 1/4"			177 cu ft			
4 1/2"	11.6#	7434'	7 7/8"			723 cu ft			

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	7337'	

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Pressure test to 4000 psi-ok. Perf'd 1st stage 7294, 7296, 7298, 7300, 7308, 7311, 7322, 7324, 7326, 7332, 7334, 7336, 7338, 7340, 7342, 7344, 7346, 7348, 7350, 7352 w/1 SPZ. 2nd stage 6824, 6828, 6831, 6834, 6875, 6877.		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
		7294-7352'	91,250# 20/40 sand & 100,372 gal slickwater
		6824-7209'	90,000# 20/40 sand & 97,608 gals slickwater

* Continued Perf's listed on back pg. 1 PRODUCTION **Continued #32. on back pg. 1
DATE FIRST PRODUCTION 3-11-86 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping WELL STATUS (Producing or shut-in) Producing/for test

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
4-1-86	24 Hrs.	3/4"		94	129	6.8	1372
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
35#	52#		94	129	6.8	45	

34. DISPOSITION OF GAS (Bold, used for fuel, vented, etc.)
Vented for test

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 Drilling Clerk DATE 4-15-86

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

7. 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.	TOP	
				NAME	MEAS. DEPTH
Ojo Alamo	2525'	2935'	ss. White cr-grn s.	Ojo Alamo	2525'
Pictured Cliffs	2935'	3780'	Gry, fine-grn tight, varicolored soft ss.	Pic. Cliffs	2935'
Chacra	3780'	4505'	Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	3780'
Cliff House	4505'	4915'	ss. Gry, fine-grn, dense sil ss.	Cliff House	4505'
Point Lookout	4915'	6110'	Gry, very fine sil ss w/frequent sh breaks	Point Lookout	4915'
Gallup	6110'	7075'	Lt gry to brn calc carb micac glauco very fine gry ss w/irreg. interbed sh	Gallup	6110'
Greenhorn	7075'	7175'	Highly calc gry sh w/thin lmst.	Greenhorn	7075'
Dakota	7175'	7434'	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale breaks	Dakota	7175'
* (continued) Perf's:					
6879, 6881, 7052, 7064, 7066, 7068, 7070, 7072, 7078, 7080, 7082, 7084, 7086, 7088,					
7090, 7092, 7094, 7096, 7098, 7100, 7102, 7104, 7110, 7112, 7114, 7116, 7118, 7120,					
7122, 7148, 7150, 7152, 7154, 7156, 7162, 7164, 7168, 7170, 7193, 7203, 7209 w/1 SPZ.					
3rd stage 5771, 5777, 5780, 5785, 5789, 5795, 5824, 5827, 5833, 5835, 5839, 5843, 5845,					
5867, 5869, 5871, 5875, 5879, 5883, 5888, 5890, 6116, 6118, 6138, 6143, 6158, 6162, 6164,					
6166, 6170, 6187, 6197, 6200, 6203, 6220, 6222, 6300, 6302, 6304, 6310, 6312, 6314, 6316,					
6320 w/1 SPZ.					
** Continued #32:					
5771-6320' Frac'd w/143, 750# 20/40 sand & 155, 226 gals slickwater/2% KCL					