

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*

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 Co

3. ADDRESS OF OPERATOR

PO Box 4289, Farmington, NM 87499

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

At surface

1320'S, 1570'W

At top prod. interval reported below

At total depth

14. PERMIT NO. 30-045-08238
DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.
SF-077056

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cozzens

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Basin Fruitland Coal

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

Sec. 18, T-29-N, R-11-W

NMPM

12. COUNTY OR PARISH
San Juan

13. STATE
NM

15. DATE SPUNDED 04-03-43
16. DATE T.D. REACHED
17. DATE COMPL. (Ready to prod.) 12-01-90
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 575' GR
19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 1957'
21. PLUG. BACK T.D., MD & TVD 1865'
22. IF MULTIPLE COMPL., HOW MANY*
23. INTERVALS DRILLED BY
ROTARY TOOLS yes
CABLE TOOLS

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

Fruitland Coal (1620-1862')

25. WAS DIRECTIONAL SURVEY MADE
no

26. TYPE ELECTRIC AND OTHER LOGS RUN

NDT-GR-CCL

27. WAS WELL CORRED
no

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16" 1/2		60' 892			
5 1/2"		1874'			
3 1/2"		1944'		1 1/2 SX	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/4"	1858'	

31. PERFORATION RECORD (Interval, size and number)

1620-26', 1711-20', 1760-63',
1801-05', 1813-19', 1827-31',
1842-49', 1854-62'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1620-1862'	5000# 40/70 sand, 62,540# 20/40 sand; N2

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
shut in, capable of commercial hydrocarbon production							
DATE OF TEST	HOURS TESTED	CHOKES SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
			→				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	TOTAL GRAVITY API (CORR.)	
SI 495	SI 627	→					

ACCEPTED FOR RECORD

1991

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

to be sold

BHP @ 1800' 670

35. LIST OF ATTACHMENTS

none

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

DATE 12-15-90

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

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	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	575'	681'	White, cr-gr ss.	Ojo Alamo Kirtland Fruitland Pic.Cliffs	575'	
Kirtland	681'	1553'	Gry sh interbedded w/tight, gry, fine-gr ss.		681'	
Fruitland	1553'	1885' 58	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.		1553'	
Pictured Cliffs	1885' 58	1957'	Bn-Gry, fine grn, tight ss.		1885' 58	

F. Loc. 1320/S; 1570/W Elev. 5756 Spd. 4-8-43 Comp. 5-18-43 TD. 1957 PB
 Casing S. 10 3/4 @ 892 W Cu. ft. 5 1/2 @ 1874 W Cu. ft. 3 1/2 @ 1749 W 110 Sx. I. 1 @ 1889
 Csg. Perf. 1894-1924 Prod. Stim. SWF
 Grav. 1st Del. Gas 5-25-43 11-18-64
 I.P. 1050 MCF/D After 3 Hrs. SICP 250 PSI After 7 Days GOR 1st Del. Oil

TOPS		NiTD	Well Log	TEST DATA						
Ojo Alamo		C-103	Plot	Schd.	PC	Q	PW	PD	D	Ref. No.
Kirtland		C-104	Electric Log	7/9/85	129					
Fruitland			C-122	8-25-87	145					
Pictured Cliffs	1858	Ditr	Dfa							
Chacara		Datr	Dac							
Cliff House										
Menefee										
Point Lookout										
Mancos										
Gallup										
Greenhorn										
Dakota										
Entrada		/Aztec O&G	NWU-53							
		/SUG	(198) 157.55							
			Acres							

Ful Kutz PC Co. SJ S 18 T 29N R 11W U K Oper. Southland Royalty Co Lse. Cozzens No. 1

TEST		DATA					Ref. No.
Schd.	PC	Q	PW	PD	D		
54	330	93	227	165	125		
6/23/55	316	106	189	158	121		
10/23/56	307	97	164	154	101		
4/30/57	277	98	150	139	103		
5/17/58	205	46	168	103	93		
9/15/59	153	38	112	77	57		
12-2-60	165	56	105	73	63		
10/2/61	140	42	107	70	69		
16/29/62	142	17	96	71	24		
3/3/64	39	5	77	71	7		
2/25/64	202	536	124	173	206	8901	
4/1/65	198	557	113	153	229		

Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec.
 Cozzens No. 1

TEST DATA							Ref. No.
Schd.	PC	Q	PW	PD	D		
3/8/66	214	512	135	171	332		
1/18/67	224	501	128	179	295		
3/18/68	202	115	182	162	198		
6/25/69	211	47	188	169	75		
4/18/70	201	95	182	161	170		
5/25/71	194	119	170	155	173		
6/7/72	201	59	177	161	88		
7/7/73	174	105	150	139	141		
8/1/75	161	52	141	129	75		
7/2/77	143	40	142	119	187		
11/1/77	169	87	118	135	65		
7/31/79	152	57	125	122	62		
8/5/81	150	22	145	120	94		

5/23/83 N6P

valty Co Lse. Cozzens No. 1