

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

SF-077922

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

McGrath

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Flora Vista Mesaverde

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

Section 34, T30N, R12W

12. COUNTY OR
PARISH

San Juan

13. STATE

New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other Water Disposal Well

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 87499

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

At surface (B) 800' FNL & 1730' FEL

At top prod. interval reported below

At total depth

14. PERMIT NO.
BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

15. DATE SPUDDED 9-04-84	16. DATE T.D. REACHED 9-11-84	17. DATE COMPL. (Ready to prod.) 10-16-84	18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5761' KB	19. ELEV. CASINGHEAD 5749' GL
20. TOTAL DEPTH, MD & TVD 4700'	21. PLUG, BACK T.D., MD & TVD 4653'	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY 0-4700'	ROTARY TOOLS CABLE TOOLS -----
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4272'-4374' (Point Lookout)				25. WAS DIRECTIONAL SURVEY MADE Deviational
26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction SFL, Formation Density Compensated Neutron, 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
8-5/8"	24#, K-55	231'	12-1/4"	**SEE OTHER SIDE FOR CEMENT REPORTS**
5-1/2"	15.5#, K-55	4698'	7-7/8"	

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) Point Lookout - 204 Holes - 2 SPF 4272' to 4374'		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) 4272'-4274' AMOUNT AND KIND OF MATERIAL USED Acidized with 7,700 gals of 15% MCA acid and 200 ball sealers.	
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33. PRODUCTION							
DATE FIRST PRODUCTION 2-13-85		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Water Disposal Well				WELL STATUS (Producing or shut-in) Injecting	
DATE OF TEST No Test	HOURS TESTED ---	CHOKE 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. ---	OIL GRAVITY-API (CORR.) ---	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) ----						TEST WITNESSED BY -----	

35. LIST OF ATTACHMENTS

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

SIGNED

Catherine J. Grayson

TITLE

Secretary

DATE 2-22-85

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

NMOCC

FARMINGTON RESOURCE AREA
BY *Sm*

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.

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.)

Item #28: 8-5/8" cemented with 230 sacks (271 cu.ft.) of Class "B" with 1/4# celloflake per sack and 3% CaCl₂. Plug down at 11:30 PM 9-4-84. Circulated 5 bbls cement to surface. Pressure tested to 1000 psi for 30 minutes-OK.

5-1/2" Casing cemented 1st Stage with 150 sacks (177 cu.ft.) of Class "B" with 1/4# celloflake per sack and 3% CaCl₂. Plug down at 3:00 AM 9-12-84. Cemented 2nd Stage with 310 sacks (548 cu.ft.)

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, COMMENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	410'		of Class "H" 65/35 Poz with 3% gel, 12-1/2#			
Fruitland	1520'		gilsonite per sack, 5.6# salt per sack			
Pictured Cliffs	1885'		and 8.2# H-Seal per sack, tailed with			
Cliff House	3485'		50 sacks (60 cu.ft.) of Class "H" with			
Menefee	3595'		2% CaCl ₂ . Plug down at 7:00 AM 9-12-84.			
Point Lookout	4265'		Good Circulation. Did not bump plug on			
			displacement on 1st Stage. Shut down			
			float holding. Did not bump plug on 2nd stage,			
			pumped extra 10 bbls unable to bump plug.			
			SD left casing SI for 3 hours, no flow back.			
			Set slips and installed wellhead. Ran WL			
			temperature survey, unable to go past 699'.			
#37 - DST #1	3495' to 3620'		Recovered 65' drill mud. Sample chamber rec 2000 CC mud.			
			Pressures: IHP 1588, IF open weak blow-15 minutes IFP 97 psi, 60 mins ISIP 1161,			
			FF open no blow, 45 mins FFP 85 psi, 240 mins FSIP 1258 psi, FHP 1563 psi, BHT No Record.			
DST #2	4255' to 4377'		Recovered 400' of slightly gas cut mud, 90' slightly gas cut water.			
			Sample chamber rec 2000 CC water at 210 psi.			
			Pressures: IHP 2085 psi, IF Fair blow, 15 mins IFP 175 psi, 60 mins ISIP 1529 psi,			
			FF Open fair blow, 45 min FFP 218 psi, 240 mins FSIP 1679 psi, FHP 2064 psi,			
			BHT 120°F.			

38. GEOLOGIC MARKERS