

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.0.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐		7. LEASE DESIGNATION AND SERIAL NO. SF-078872-A	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐		8. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Southland Royalty Company		9. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Drawer 570, Farmington, New Mexico 87499		10. FARM OR LEASE NAME Frontier "B"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface (N) 605' FSL & 1945' FWL At top prod. interval reported below At total depth		11. WELL NO. 3E	
14. PERMIT NO.		13. STATE New Mexico	
DATE ISSUED		12. COUNTY OR PARISH San Juan	
15. DATE SPUDDED 10/06/84		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6186' KB	
13. DATE T.D. REACHED 10/16/84		19. ELEV. CASINGHEAD 6174' GL	
17. DATE COMPL. (Ready to prod.) 10/28/84		20. TOTAL DEPTH, MD & TVD 6750'	
21. PLUG, BACK T.D., MD & TVD 6703'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY		ROTARY TOOLS 0-6750'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6528'-6557' (Dakota)		25. WAS DIRECTIONAL SURVEY MADE Deviational	
26. TYPE ELECTRIC AND OTHER LOGS RUN GR-Induction, CDL/CNL, GR-CCL/CBL/VDL and GR-Temperature Survey		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8-5/8"	24#, K-55	230'	12-1/4"
4-1/2"	11.6#, K-55	6748'	7-7/8"
		CEMENTING RECORD	
		SEE OTHER SIDE FOR CEMENT RECORD	
		AMOUNT PULLED	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
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30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2-3/8"	6516'	---	
31. PERFORATION RECORD (Interval, size and number) Dakota - 6 holes 6528', 6534', 6542', 6547', 6552', 6557'			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
6528'-6557'		Fraced with 44,373 gals of 70 Q foam and 48,000# of 20/40 sand.	
33.* PRODUCTION			
DATE FIRST PRODUCTION 11/06/84		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	
DATE OF TEST 11/06/84		WELL STATUS (Producing or shut-in) Shut In	
HOURS TESTED 3	CHOKE SIZE 3/4"	PROD'N. FOR TEST PERIOD OIL—BBL. 268	GAS—MCF. 2143
FLOW. TUBING PRESS. 175	CASING PRESSURE 484	WATER—BBL. 2143	GAS-OIL RATIO ---
CALCULATED 24-HOUR RATE ---		OIL GRAVITY-API (CORR.) ---	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) to be sold			
35. LIST OF ATTACHMENTS TEST WITNESSED BY Leroy Castleman			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from actual field records.			
SIGNED <u>Ethel J. Ziegler</u>		TITLE <u>Secretary</u>	

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

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" Casing cemented with 155 sacks (183 cu.ft.) of Class "B" with 1/4# flocele per sack and 3% CaCl2. Plug down @ 8:15 PM 10-06-84. Circulated 5 bbls cmt to surface.

4-1/2" Casing cemented 1st St with 325 sacks (416 cu.ft.) of Class "B" 50/50 Poz with 2% gel, 10% salt and 1/4# flocele per sack, tailed with 50 sacks (59 cu.ft.) of Class "B" neat cement. PD @ 11:00 PM 10-17-84.

Circ 4 hrs. Cmtd 2nd Stage with 338 sacks (568 cu.ft.) of Class "B" 50/50 Poz with 2% gel, 10% salt, 10% Calseal

37. SUMMARY OF POROUS ZONES: and 12-1/2# gilsonite per sack, tailed with 50 sacks (59 cu.ft.) of Class "B" cement with 2% gel, 10% salt, 10% Calseal

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CURED 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
ESTIMATED			2% CaCl2. PD @ 3:00 AM 10-18-84. Circ 4 hrs. Cemented 3rd Stage with 385 sacks (648 cu.ft.) of Class "B" 65/35 Poz with 2% gel, 10% salt, 10% Calseal and 12-1/2# gilsonite per sack, tailed with 50 sacks (59 cu.ft.) of Class "B" neat with 2% CaCl2. PD @ 7:30 AM 10-18-84. Good circ throughout job.			
Ojo Alamo	844'					
Kirtland	996'					
Fruitland	1592'					
Pictured Cliffs	1950'					
Cliff House	3540'					
Point Lookout	4410'					
Gallup	5533'					
Greenhorn	6358'					
Dakota	6522'					