

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

1a. TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ 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

UNIT LETTER K LOCATED 1835 FEET FROM THE South LINE AND 1690 FEET FROM

THE West LINE OF SEC. 35 TWP. 25N RGE. 2W NMPM

7. Unit Agreement Name

8. Farm or Lease Name

Hawk Federal

9. Well No.

3

10. Field and Pool, or Wildcat

Gavilan Mancos

12. County

Rio Arriba

15. Date Spudded 9-17-84 16. Date T.D. Reached 10-03-84 17. Date Compl. (Ready to Prod.) 1-03-85 18. Elevations (DF, RKB, RT, GR, etc.) 7285' KB 19. Elev. Casinghead 7274' GL

20. Total Depth 7957' 21. Plug Back T.D. 7910' 22. If Multiple Compl., How Many 23. Intervals Drilled By Rotary Tools 0-7957' Cable Tools ---

24. Producing Interval(s), of this completion - Top, Bottom, Name
6742'-6999' Upper Mancos (16 holes)
7218'-7435' Lower Mancos (20 holes)

25. Was Directional Survey Made

Deviational

26. Type Electric and Other Logs Run

CDL/CNL, IEL, CBL and After Frac GR

27. Was Well Cored

No

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	32.30#, K-55	416'	12-1/4"	***SEE OTHER SIDE**	
5-1/2"	17#/15.5#, K-55, N-80	7957'	7-7/8"	" " "	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
----	---	----	----	---

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8"	6701'	---

31. Perforation Record (Interval, size and number)

Upper Mancos-16 Holes: 6742', 6758', 6813', 6821', 6860', 6890', 6906', 6910', 6916', 6938', 6959', 6966', 6976', 6986', 6991', 6999'.

SEE OTHER SIDE FOR LOWER MANCOS

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6742'-6999'	Fraced Upper Mancos with 500 gals 15% HCl acid, 20 bbls gel spacer, 76,692 gals 30# x-linked gel KCl wtr, 700gals diesel & 82,500# 20/40 sd.

33. PRODUCTION

Date First Production 1-02-85	Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing	Well Status (Prod. or Shut-in) Producing
Date of Test 2-19-85	Hours Tested 24	Choke Size 1"
Prod'n. For Test Period →	Oil - Bbl. ---	Gas - MCF ---
Flow Tubing Press. 220	Casing Pressure 550	Calculated 24-Hour Rate →
Oil - Bbl. 163	Gas - MCF 491	Water - Bbl. 1.5
Oil Gravity - API (Corr.)		3012/1

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

Test Witnessed By

Odell Farley

35. List of Attachments

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED

Catherine J. Grayson

TITLE

Secretary

DATE

2-25-85

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Nacimiento

Northwestern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	3095'	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	3228'	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	3370'	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	5062'	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee		T. Madison
T. Queen	T. Silurian	T. Point Lookout	5528'	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	6662'	T. McCracken
T. San Andres	T. Simpson	T. Gallup		T. Ignacio Qtzte
T. Glorieta	T. McKee	Base Greenhorn	7632'	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	7818'	
T. Blinebry	T. Gr. Wash	T. Morrison		
T. Tubb	T. Granite	T. Todilto		
T. Drinkard	T. Delaware Sand	T. Entrada		
T. Abo	T. Bone Springs	T. Wingate		
T. Wolfcamp		T. Chinle		
T. Penn.		T. Permian		
T. Cisco (Bough C)		T. Penn. "A"		

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
#28 Cementing Record:							
9-5/8" Csg cemented with 225 sacks (266 cu.ft.) of Class "B" with 1/4# cellophane per sack and 3% CaCl ₂ . Plug down at 8:00 AM 9-18-84. Circ 10 bbls cmt to surface.							
5-1/2" Csg cemented as follows: pumped 20 bbls chemical wash ahead of each stage.							
1st Stage cemented with 380 sacks (505.4 cu.ft.) of Class "B" 50/50 Poz with 2% gel, 10% salt, .6% fluid loss additive and 1/4# flocele per sack, tailed with 50 sacks (60 cu.ft.) of Class "B" neat cement. Plug down at 3:10 PM 10-6-84. circ. 4 hrs. Cemented 2nd Stage with 252 sacks (335 cu.ft.) of Class "B" 50/50 Poz with 2% gel, 10% salt, .6% fluid loss additive and 1/4# flocele per sack, tailed with 50 sacks (60 cu.ft.) of Class "B" neat cmt. Plug down at 7:20 PM 10-6-84. Circ 4 hrs. Cmtd 3rd Stage with 473 sacks (757 cu.ft.) of Class "B" with 10-0 RFC and 1/4# flocele per sack, tailed with 50 sacks (60 cu.ft.) of Class "B" cmt. Plug down at 1:30 AM 10-7-84.							
#31 Perforation record:							
Lower Mancos - 20 holes at 7218', 7238', 7260', 7272', 7290', 7298', 7309', 7313', 7318', 7330', 7334', 7343', 7347', 7352', 7403', 7412', 7416', 7422', 7426', 7435'.							
#32 Fracture Record:							
Fraced Lower Mancos with 92,022 gals of 30# gelled KCL water with 7500# 100 mesh sand and 87,500# of 20/40 sand.							