

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.

SF-080781

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cain

9. WELL NO.

#11E

10. FIELD AND POOL, OR WILDCAT

Andes. Chacra Basin Dakota

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

Section 15, T28N, R10W

12. COUNTY OR PARISH

San Juan

13. STATE

NM

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 Company

3. ADDRESS OF OPERATOR

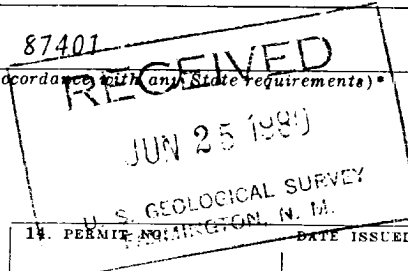
P. O. Drawer 570, Farmington, NM 87401

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

At surface 810' FSL & 1825' FEL

At top prod. interval reported below

At total depth



15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD

2-28-80 3-7-80 5-7-80 5935' GR

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

6671' 6626' 2 Rotary

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE

Chacra: 3032' - 3140' Deviation

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED

IES, GR-Density, CBL, Temp Survey No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	233'	12 1/4"	140 SX	
5 1/2"	15.5#	6671'	7 7/8"	785 SX	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/2"	3154'	3244'

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

Chacra: 3032', 3038', 3133', 3140' (4 holes)

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3032' - 3140'	36,372 gals wtr & 26,376 # 20/40 sand

33.* PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

DATE FIRST PRODUCTION 6-4-80 PRODUCTION METHOD Flowing WELL STATUS Shut-In

DATE OF TEST 6-4-80 HOURS TESTED 3 hrs. CHOKO SIZE 3/4" PROD'N. FOR TEST PERIOD OIL—BBL. JUN 30 1980 WATER—BBL. GAS—OIL RATIO

FLOW. TUBING PRESS. 44 CASING PRESSURE 249 CALCULATED 24-HOUR RATE OIL—BBL. GAS—MORNINGTON DISTRICT WATER—BBL. OIL GRAVITY API (CORR.)

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

Sold Jim Choquette

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: *[Signature]* TITLE District Production Manager DATE 6-16-80

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

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 filled 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: "Stacks 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.)

37. SUMMARY OF POROUS ZONES:		38. GEOLOGIC MARKERS	
FORMATION	TOP	NAME	TOP
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 PRESSURE, AND RECOVERIES	BOTTOM	MEAS. DEPTH	TRUE VERT. DEPTH
DESCRIPTION, CONTENTS, ETC.			
Ojo Alamo	1080'		
Fruitland	1800'		
Pictured Cliffs	2030'		
Chacra	3012'		
Cliff House	3614'		
Pt. Lookout	4250'		
Gallup	5542'		
Ganeros	6380'		
Dakota	6487'		

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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 Company

3. ADDRESS OF OPERATOR
P. O. Drawer 570, Farmington, NM 87401

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

At surface *810' FSL & 1825' FEL*

At top prod. interval reported below

At total depth

14. PERMIT NO. _____ DATE ISSUED _____

5. LEASE DESIGNATION AND SERIAL NO.

SF-080781

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cain

9. WELL NO.

#11E

10. FIELD AND POOL, OR WILDCAT

Basin Dakota Undes. Chacra

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

Section 15, T28N, R10W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

15. DATE SPUNDED _____ 16. DATE T.D. REACHED _____ 17. DATE COMPL. (Ready to prod.) _____ 18. ELEVATIONS (DF, REB, BT, GR, ETC.)* _____ 19. ELEV. CASINGHEAD _____

2-28-80

3-7-80

5-7-80

5935' GR

20. TOTAL DEPTH, MD & TVD _____ 21. PLUG, BACK T.D., MD & TVD _____ 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS _____ CABLE TOOLS _____

6671'

6626'

2

Rotary

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* _____ 25. WAS DIRECTIONAL SURVEY MADE _____

Dakota: 6424' - 6604'

Deviation

26. TYPE ELECTRIC AND OTHER LOGS RUN _____ 27. WAS WELL COBED _____

IES, GR-Density, CBL, Temp. Survey

No

28. CASING RECORD (Report all strings set in well)				CEMENTING RECORD		AMOUNT PULLED
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE			
<i>8 5/8"</i>	<i>24#</i>	<i>233'</i>	<i>12 1/4"</i>	<i>140</i>	<i>8x</i>	
<i>5 1/2"</i>	<i>15.5#</i>	<i>6671'</i>	<i>7 7/8"</i>	<i>785</i>	<i>8x</i>	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					<i>1 1/2"</i>	<i>6599'</i>	<i>3244'</i>

31. PERFORATION RECORD (Interval, size and number)
DK: 6424', 6431', 6494', 6500', 6507', 6512', 6517', 6523', 6528', 6534', 6540', 6546', 6564', 6604'.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<i>6424' - 6604'</i>	<i>105,168 gals. 30# gel & 90,200# 20/40 sand</i>

33.* PRODUCTION
DATE FIRST PRODUCTION _____ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) _____

Flowing

ACCEPTED FOR RECORD
JUN 29 1980
DIST. 3

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	WATER—BBL.	OIL GRAVITY-API (CORR.)
<i>5-14-80</i>	<i>3 hrs.</i>	<i>1/2"</i>	<i>Flowing</i>					
<i>164</i>	<i>---</i>	<i>---</i>	<i>---</i>		<i>917 MCF</i>			

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) _____ BY *Jim Choquette*

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 *[Signature]* TITLE *District Production Manager* DATE *5-23-80*

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

NMCC

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FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
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Fruitland	1800'		
Pictured Cliffs	2030'		
Chacra	3012'		
Climff House	3614'		
Pt. Lookout	4250'		
Gallup	5542'		
Ghaneros	6380'		
Dakota	6487'		

38. GEOLOGIC MARKERS		
NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH