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Form C-105
Revised 11-1-78

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

MAY 01 1981

O. C. D.

ARTESIA, OFFICE

5a. Indicate Type of Lease	State ☒ Fee ☐
5. State Oil & Gas Lease No.	L-6779

1a. TYPE OF WELL	OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER ☐ P&A
b. TYPE OF COMPLETION	NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

2. Name of Operator	Southland Royalty Company
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3. Address of Operator	1100 Wall Towers West Midland, TEXAS 79701
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4. Location of Well	UNIT LETTER <u>EB</u> LOCATED <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM
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THE <u>East</u> LINE OF SEC. <u>22</u> TWP. <u>14-S</u> RGE. <u>27-E</u> NMPM	11. County
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15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
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20. Total Depth	21. Plug back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
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24. Producing interval(s), of this completion - Top, Bottom, Name	25. Was Directional Survey Made
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26. Type Electric and Other Logs Run	27. Was Well Cored
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28. CASING RECORD (Report all strings set in well)	
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CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
11 3/4"	42#	260'	15"	250 sxs C1 "C" w/2% cc	Cmt circ
8 5/8"	24#	1600'	11"	750 sxs C1 "C" Lite & 2%cc	Cmt circ
4 1/2"	10.5 & 11.6#	8078'	7 7/8"	800 sxs C1 "H"	Top of Cmt @ 6120' by Temp Svy

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET

31. Perforation Record (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
1 JSPF @ 7437-7442'	DEPTH INTERVAL
1 JSPF @ 7254-7265'	AMOUNT AND KIND MATERIAL USED
	See Attached treatment summary

33. PRODUCTION	
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Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
Date of Test	Hours Tested	Choke Size
NA		
Flow Tubing Press.	Flowing Pressure	Calculated 24-Hour Rate

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed by
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35. List of Attachments	
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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.	
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SIGNED <u>CCP</u>	TITLE District Operations Engineer	DATE 4/27/81
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INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 2 years 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 logs reported shall be measured by this. 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 quadruplicate except on state land, where six copies are required. See Rule 1165.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon <u>7115'</u>	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt <u>230'</u>	T. Strawn <u>7291'</u>	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt <u>704'</u>	T. Atoka <u>7625'</u>	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss <u>7835'</u>	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg <u>964'</u>	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres <u>1320'</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta <u>3070'</u>	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb <u>4070'</u>	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo <u>4854'</u>	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp <u>5894'</u>	T. <u>Morrow 7713'</u>	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) <u>6703'</u>	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 4, from.....to.....
No. 2, from.....to..... No. 5, from.....to.....
No. 3, from.....to..... No. 6, from.....to.....

● IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
230	704		T. Salt				
964	1320		Grayburg				
1320	3070		San Andres				
3070	4070		Glorieta				
4070	4854		Tubb				
4854	5894		Abo				
5894	6703		Cisco (Bough C)				
6703	7115		Canyon				
7115	7291		Strawn				
7291	7625		Atoka				
7625	7713		Morrow				
7713	7835		Mississippian				

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Treatment Summary

Depth Interval

Treatment & Amount

7437-7442'

7437-7442

Acdz w/750 gals 7 1/2% MS acid
Sqz w/75 sxs Cl "H" cmt. Rev
out 5 sxs, 7 left in csg & 63
sxs in perfs.

7254-7265'

7254-7265'

7254-7265'

Spot 250 gals 10% Acetic acid.
Pmp 105 gals 10% Acetic acid.
Acdz w/2000 gals 7 1/2% MS
acid w/100,000 SCF N₂. Frac
w/10,000 gals gelled fluid
(8000 gals 3% gelled acid &
2000 gals CO₂) & 12,500#
20-40 sd.

7254-7265'

Sqz w/75 sxs Cl "H" cmt.
Rev out 3 sx cmt, 3 sxs in
csg & 69 sxs in perfs

719-739'

Spot 250 gals 15% NF acid
& pmpd into perfs.

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DST Summary

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ARTESIA, OFFICE

- 9-27-80 DST #1 7284-7289' Had drl break @ 7284-7289' & lost 60 bbls drl mud. Prep to run DST #2.
- 9-28-80 DST #2 7270-7292' (Wolfcamp); 15 min preflow, open w/strong blow, GTS in 30 min (15 min into ISI). 1 hr ISI, 1hr FF. Open w/strong blow, Max 105 MCFGPD & weaken to fair blow. 3 hr FSI, IH 3634#. IF 39-52#. ISI 1709#, FF 39-13#, FSI 2038#, FH 3555#. Rec 60' Drl mud. Sampler - no press, no recovery. Temp 118°F.
- 10-7-80 DST #3 7844-8105' (Morrow); 15 min IF weak blow, 1 hr ISI, 1 hr FF weak blow, 3 hr FSI. Rec 45' GCDM. Sampler 25#. Rec 2150cc GCDM, no gas. Temp 145°F. IH 4320#, 1F 201#, ISI 393#, FF 188#, FSI 740#, FH 4281#.

FIELD _____ COUNTY Chaves OCC NUMBER _____
OPERATOR Southland Royalty Company ADDRESS 1000 Fort Worth Club Tower
Fort Worth, Texas 76102
LEASE NAME & WELL NUMBER Buffalo Valley "22" Com #1
SURVEY 660' FNL & 1980' FEL Section 22 T-14-S; R-27-E

RECORD OF INCLINATION

<u>DEPTH (FEET)</u>	<u>ANGLE OF INCLINATION (DEGREES)</u>
262	1
751	1/2
1251	3/4
1600	3/4
2200	1/2
2574	1/2
3010	3/4
3506	3/4
3971	3/4
4405	1 1/4
5133	1 1/4
5603	1 1/4
7064	1 1/2
7774	1 1/2
8016	1 3/4
8105	2

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ARTESIA, OFFICE

Certification of personal knowledge inclination data:

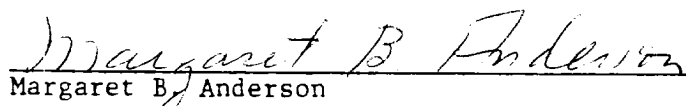
I hereby certify that I have personally assembled the data and facts placed on this form, and such information given above is true and complete to the best of my knowledge.

HONDO DRILLING COMPANY

BY: 
Walter Frederickson
Vice President

Sworn and subscribed to before me the undersigned authority, on this the

21ST day of October, 1980.

 Notary Public in and for Midland
Margaret B. Anderson County, Texas.