

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SF-078115

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Grenier

9. WELL NO.

4A

10. FIELD AND POOL, OR WILDCAT

Blanco Mesaverde

Blanco Pictured Cliffs

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

Sec. 7-31N-11W

12. COUNTY OR PARISH 13. STATE

San Juan

New Mexico

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	2. NAME OF OPERATOR Southland Royalty Company	3. ADDRESS OF OPERATOR P. O. Drawer 570, Farmington, New Mexico	4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1065' FSL & 1050' FWL	14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6198' GR
---	--	--	--	----------------	--

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

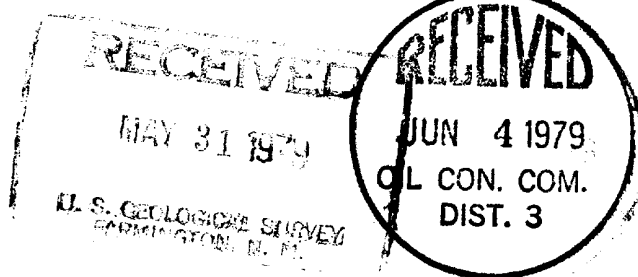
TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETION ☒ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. Pull tubing.
2. Set Baker 4-1/2" retrievable bridge plug at 2950. (+)
3. Perforate Pictured Cliffs from 2788'-2803' with 4 holes.
4. Spearhead with 350 gals 15% Hcl.
Frac w/29,000 gals water and 24,000# 20/40 sand.
5. Clean out with air to bridge plug.
6. Retrieve bridge plug.
7. Land 1-1/2" tubing at 5060' with Baker Model "R" packer at 2950'.
8. Land 1-1/4" tubing at 2780'.
9. Nipple up well head.



18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE District Production Manager

DATE May 25, 1979

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

1

Location: 1065' FSL & 1050' FWL, Section 7, T31N, R11W, San Juan, New Mexico

Field: Blanco Mesa Verde Elevation: 6198' GL TD: 5225'
x 6209' KB PBD: 5222'

<u>Casing Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Hole Size</u>	<u>Cement</u>	<u>Top of Cement</u>
9 5/8"	32.3# H-40	330'	13 3/4"	260 sx	Circ to surf
7"	23# K-55	2970'	8 3/4"	175 sx	2528'
4 1/2"	10.5# K-55	2866'-5222'	6 1/4"	190 sx	3810'

<u>Tubing Size</u>	<u>Wt. & Grade</u>	<u>Depth</u>
1 1/2"	2.9# EUE	5060'

<u>Formation Tops:</u>	Ojo Alamo	1362'	Cliff House	4229'
	Fruitland	2381'	Point Lookout	5028'
	Pictured Cliffs	2753'		

Wellhead Equipment: OCT, C22, 9 5/8" X 10", 2000 casing head
OCT, TC, 10", 2000 X 6", 3000 tubing head

Completion: 7/75 - Perf'd from 5054'-68', 5078'-88', 5106'-10', 5120'-38',
5148'-64' with 2 SPF
Fraced with 104,118 gallons of water and 45,000# of 10/20 sd
AIR 43 BPM, ATP 650 psi, ISIP Vac
CV 1878 MCF/D, SICP 750 psi

Procedure:

1. MOL & RU.
Lay bleed off lines.
Set plug choke in tubing.
2. Pull and stand back 1 1/2" tubing.
Visually inspect for bad joints or corrosion.
3. Set Baker 4 1/2" retrievable wireline bridge plug at 2950' (+).
Dump 5 gallons of sand on plug.
Run Gamma Ray Correlation Log from liner top to 2300'.
4. Remove old tubing spool.
Install new dual tubing spool.
5. Pressure test casing to 3000 psi.
6. Perforate the Pictured Cliffs with one hole each at: 2788', 2793', 2798', 2803'. Total of 4 holes.
Use 3 1/8" Tolson Jets or equivalent for .33" hole.
7. Breakdown and establish injection rate.
Spearhead 350 gallons of 15% HCl.
8. Frac the Pictured Cliffs with 650 HHP as follows: (est. rate 12 BPM)
5,000 gallon fresh water pad
24,000 gallons of fresh water with 20/40 sand at 1 ppg
Flush to bottom perf plus 10 barrels overflush.
9. Clean out with air to bridge plug.
Gauge Pictured Cliffs
Retrieve plug.
10. Land 1 1/2", EUE tubing at 5060' with Baker model "R", double grip packer @ 2950' (+) and blast joints opposite Pictured Cliffs perfs.
11. Land 1 1/4", IJ tubing at 2780' (+) with orange peeled, perforated joint on bottom and seating nipple one joint up.
12. Nipple up wellhead.
Pump out plugs.
Rig down.