

FILE NOTATE

Entered in NID File ✓
 Location Map Pinned ✓
 Card Indexed ✓

Checked by Chief
 Approval Letter
 Disapproval Letter

COMPLETION DATA:

Date Well Completed

DW..... WW..... TA.....

GW..... OS..... PA.....

Location Inspected

Bond released

State or Fee Land

LOGS FILED

Driller's Log.....

Electric Logs (No.)

E..... I..... Dual I Lat..... GR-W..... Micro.....

BHC Sonic GR..... Lat..... MI-L..... Sonic.....

CBLog..... CCLog..... Others.....



Southland Royalty Company

October 9, 1979

Utah Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

RE: Fry Canyon #1
1720' FNL & 1940' FWL
Section 28-T36S-R16E
San Juan County, Utah

Gentlemen:

Southland Royalty Company applies for exception to Rule C-3 for the subject location. All leases within a 660' radius of the location are owned by Southland Royalty Company.

Yours truly,

R. E. Fielder
Petroleum Engineer

REF/ejg



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Southland Royalty Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 1720' FNL & 1940' FWL SE NW
 At proposed prod. zone Same as above.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 52 Miles NW of Mexican Hat, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1720'

16. NO. OF ACRES IN LEASE
 2520

17. NO. OF ACRES ASSIGNED TO THIS WELL
 80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A

19. PROPOSED DEPTH
 4850'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5386' GL

22. APPROX. DATE WORK WILL START*
 January 1, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#, new, H-40	30'	35 sxs, C1 B w/3% CaCl ₂ (42 cu. ft.)
12-1/4"	8-5/8"	24#, new, K-55	1800'	415 sxs, 50/50 C1 "B" Poz with additives (619 cu.ft.)
7-7/8"	5-1/2"	14#, new, K-55	4850'	530 sxs, 50/50 C1 "B" Poz with additives (790 cu.ft.)

The Surface formation is Cedar Mesa.
 Top of the Pennsylvanian is 1900'.
 An air/air mist system will be used to 1800'. Fresh water low solids mud will be used from 1800' to 4850'.
 A mud logging unit will be in operation from 1800' to Total Depth.
 BHC sonic with GR, FDC/CNL with caliper and DIL will be run at Total Depth.
 All shows below 1700' will be drill stem tested.
 Anticipate 180 of selective coring through Paradox.
 No Abnormal pressures or hazarous gases are anticipated in this well.
 Anticipate start of operations on January 1, 1980 depending on rig availability, weather and time required for approvals.

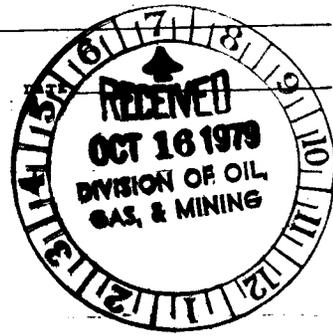
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED: [Signature] TITLE District Production Manager DATE October 9, 1979

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____
 CONDITIONS OF APPROVAL, IF ANY:



*See Instructions On Reverse Side

COMPANY SOUTHLAND ROYALTY COMPANY

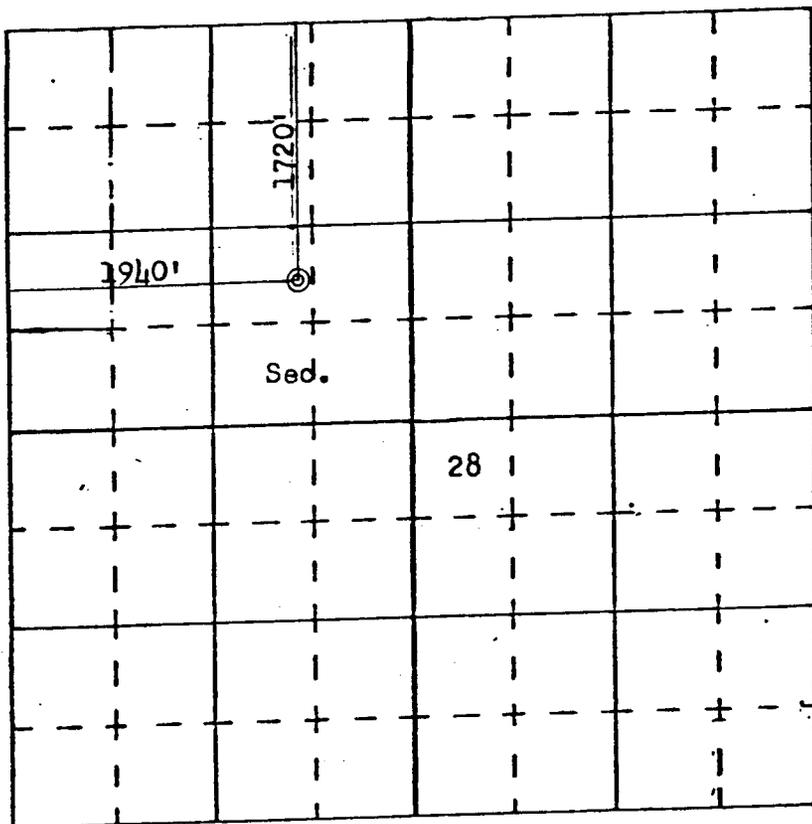
LEASE FRY CANYON WELL NO. 1

SEC. 28, T. 36S, R. 16E

SAN JUAN COUNTY, UTAH

LOCATION 1720'FNL 1940'FWL

ELEVATION 5386 ungraded ground



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Fred B. Kerr Jr.
Fred B. Kerr Jr.

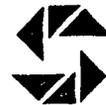
SEAL:

Registered Land Surveyor.

#3950

SURVEYED September 7, 1979

FARMINGTON, N. M.



Southland Royalty Company

United States Geological Survey
P. O. Box 1809
Durango, Colorado

Attention: Mr. Jerry Long

Dear Sir:

Enclosed please find map showing existing roads and planned access roads to Southland Royalty Company's Fry Canyon #1 well. The locations of tank batteries and flow lines will be on location with well. A burn pit will be provided for disposal of trash. Cuttings, drilling fluid and produced fluids will be put into the reserve pit and properly disposed of depending on amount and type of fluids.

Contractor will furnish restroom facilities on location.

There will be no air strips or camps.

Also, enclosed is a location layout showing approximate location of rig, pits, pipe racks and cut required to build this location.

Water supply will be Lake Powell. All water will be transported by truck and stored on location.

The location will be restored according to Bureau of Land Management standards. This work will begin when all related construction is finished.

Mr. Robert E. Fielder will be Southland Royalty Company's field representative supervising these operations.

Yours truly,

L. O. Van Ryan
District Production Manager

LOVR/



Southland Royalty Company

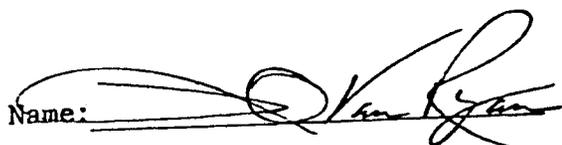
United States Geological Survey
P. O. Box 1809
Durango, Colorado

Attention: Mr. Jerry Long

Dear Sir:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein be performed by Southland Royalty Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date: October 9, 1979

Name: 

Title: District Production Manager



Southland Royalty Company

United States Geological Survey
P. O. Box 1809
Durango, Colorado

Attention: Blowout Preventer Plan

Dear Sir:

All drilling and completion rigs will be equipped with 6" or larger double gate hydraulic blowout preventers and a hydraulic operated closing unit with steel lines.

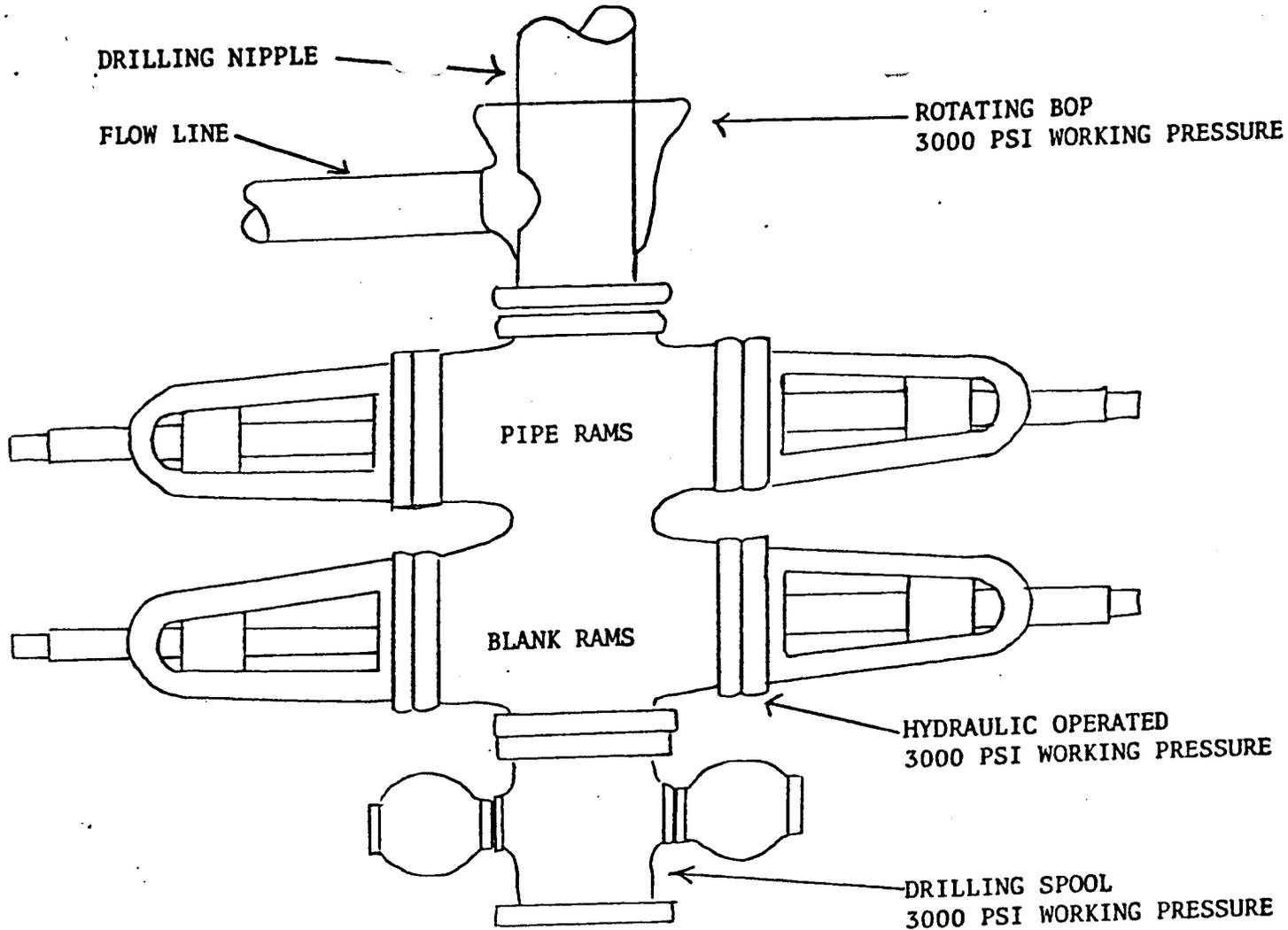
The preventer is 3000# working pressure and 6000# test.

All crews will be thoroughly trained in the operation of this preventer. The preventer will be tested frequently enough to insure proper operation.

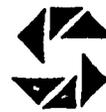
Yours truly,

L. O. Van Ryan
District Production Manager

LOVR/dg



PREVENTERS AND SPOOLS ARE TO HAVE
THROUGH BORE OF 6" - 3000 PSI OR LARGER



Southland Royalty Company

October 9, 1979

Utah Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

RE: Fry Canyon #1
1720' FNL & 1940' FWL
Section 28-T36S-R16E
San Juan County, Utah

Gentlemen:

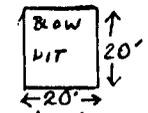
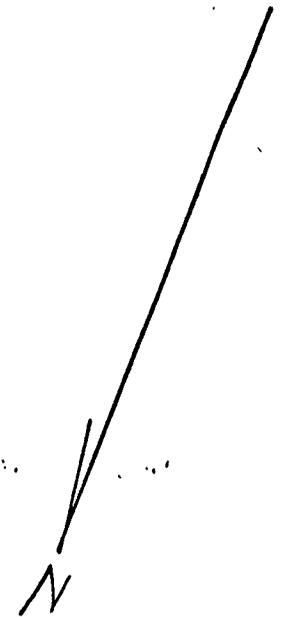
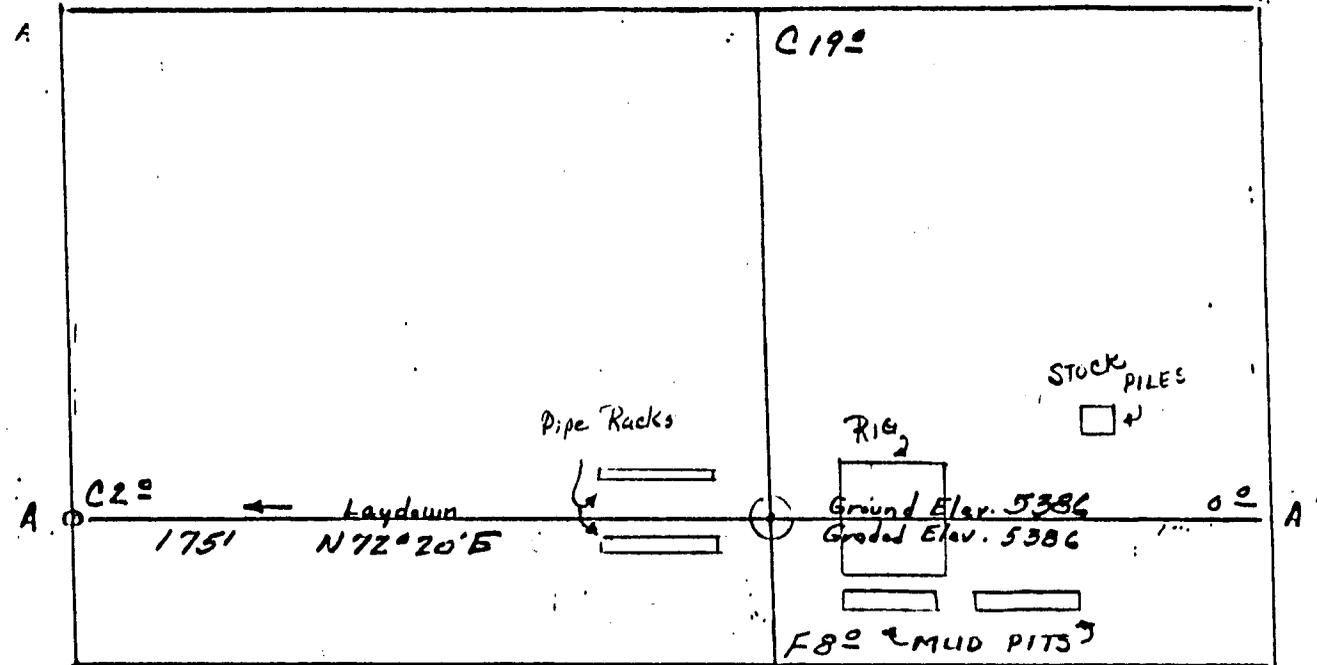
Southland Royalty Company applies for exception to Rule C-3 for the subject location. All leases within a 660' radius of the location are owned by Southland Royalty Company.

Yours truly,

R. E. Fielder
Petroleum Engineer

REF/ejg

SOUTHLAND ROYALTY COMPANY #1 FRY CANYON
 1720' FNL 1940' FWL Sec 28-T36S-R16E
 SAN JUAN COUNTY, UTAH



Vert. 1"=40'

A-A'

Horiz: 1"=100'

5400			
5390			
5380	[Profile sketch]		
5370			

Reserve Pit

Vert: 1"=40'

C-C'

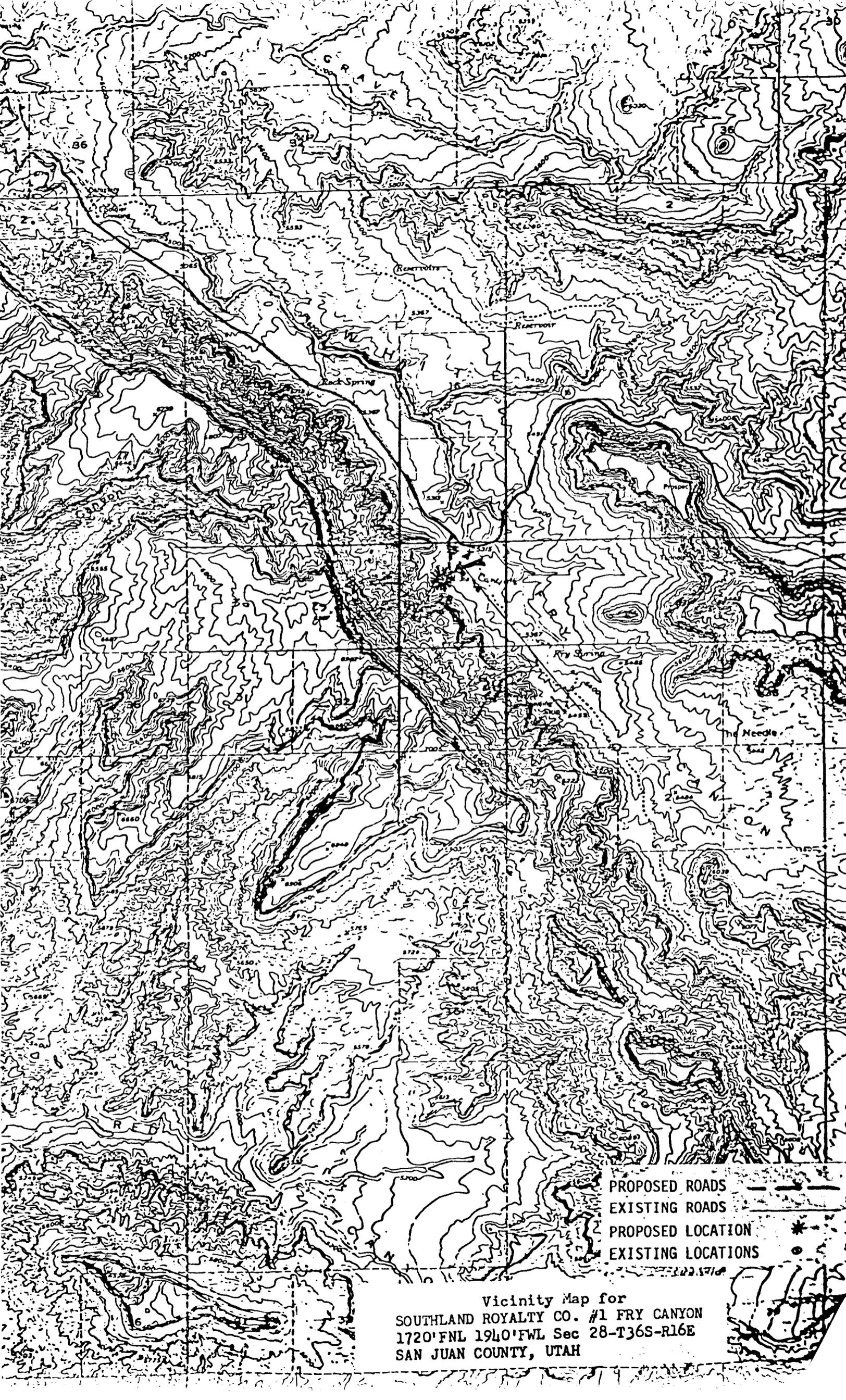
Horiz: 1"=100'

B-B'

5400	[Profile sketch]		
5390			
5380			
5370			

D-D'

KERR LAND SURVEYING
 Date: Sept. 7, 1979



PROPOSED ROADS
EXISTING ROADS
PROPOSED LOCATION
EXISTING LOCATIONS

Vicinity Map for
SOUTHLAND ROYALTY CO. #1 FRY CANYON
1720'FNL 1940'FWL Sec 28-T36S-R16E
SAN JUAN COUNTY, UTAH

** FILE NOTATIONS **

DATE: October 16, 1979

Operator: Southland Royalty Company

Well No: Fry Canyon #1

Location: Sec. 28 T. 36S R. 16E County: San Juan

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number 43-037-30507

CHECKED BY:

Geological Engineer: _____

Petroleum Engineer: _____

Director: OK Tajo encryption

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. _____

O.K. Rule C-3

Rule C-3(c), Topographic Exception/company owns or controls acreage within a 660' radius of proposed site

#2 plus statement

Lease Designation Fed

Plotted on Map

Approval Letter Written

wtw

WI PI

October 19, 1979

Southland Royalty Company
P.O. Drawer 570
Farmington, New Mexico 87401

Re: Well No. Marinus Canyon #1, Sec. 33, T. 32S, R. 13E., Garfield County, Utah
Well No. Fry Canyon #1, Sec. 28, T. 36S, R. 16E., San Juan County, Utah
Well No. Red Canyon #1, Sec. 3, T. 37S, R. 14E., San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to wells on said unorthodox locations is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure. However, this Division required that a letter be sent to this office stating that Southland Royalty Company owns or controls the acreage within a 660' radius of each proposed well site.

Should you determine that it will be necessary to plug and abandon these wells, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER
Geological Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API numbers assigned to these wells are Marinus - 43-077-30079;
Fry - 43-077-30507; Red - 43-077-30508.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Geological Engineer

/btr

cc: USOS

FILE IN TRIPLICATE
FORM OGC-8-X

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Fry Canyon #1
Operator Southland Royalty Company Address P. O. Drawer 570, Farmington, NM 87401
Contractor Veco Drilling Address P. O. Box 1705, Grand Junction, CO 8150
Location SE 1/4 NW 1/4 Sec. 28 T. 36S R. 16E County San Juan

Water Sands

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____

(Continue on reverse side if necessary)

Formation Tops

Pennsylvanian	1990'	Akah	2782'	Mississippian	3595'
Ismay	2412'	Barker Creek	3024'	Elbert	4336'
Desert Creek	2617'	Pinkerton Trail	3166'	McCracken	4482'
Remarks		Molas	3502'		

Plugged and abandoned

RECEIVED

OCT 22 1979

NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
(b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

FARMINGTON DISTRICT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR

Southland Royalty Company

3. ADDRESS OF OPERATOR

P.O. Drawer 570, Farmington, New Mexico 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: *1720' FNL & 1940' FWL*

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON*

(other)

X Alter Drilling Program

5. LEASE

U-41929

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Fry Canyon

9. WELL NO.

1

10. FIELD OR WILDCAT NAME

Wildcat

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

Section 28-T36S-R16E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5386' GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

PROPOSE TO ALTER DRILLING PROGRAM AS FOLLOWS:

- 1) *Drill 30' of 24" hole. Set 20" conductor pipe and cement to surface (50 sacks)*
- 2) *Drill 400' of 17-1/2" hole. Set 13-3/8" surface pipe and cement to surface (470 sacks). This is to protect Fry Canyon Store Water well which is approximately 925' from location and 330' deep.*
- 3) *Drill 12-1/4" hole to 1900' with benex and water. If no problems are encountered will mud up and reduce hole size to 7-7/8", then continue drilling to total depth.
If problems are encountered will run 1900' of 8-5/8", 24#, K-55 casing and cement with volume sufficient to give 500' of fill. Drill to total depth in 7-7/8" hole.*

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED *[Signature]* TITLE *Dist. Prod. Mgr.* DATE *April 14, 1980*

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: *4-22-80*

BY: *[Signature]*

*See Instructions on Reverse Side

RECEIVED
APR 18 1980

DIVISION OF
OIL, GAS & MINING

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Southland Royalty Company

WELL NAME: Fry Canyon #1

SECTION 28 SE NW TOWNSHIP 36S RANGE 16E COUNTY San Juan

DRILLING CONTRACTOR Veco Drilling

RIG #3

SPUDDED: DATE 4/23/80

TIME 1:30 p.m.

How rotary

DRILLING WILL COMMENCE ASAP

REPORTED BY Esther

TELEPHONE # 505-325-1841

DATE April 24, 1980

SIGNED Original Signed By M. T. Minder

cc: USGS;

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. 43-0419
Communitization Agreement No. _____
Field Name Wildcat - Devonian
Unit Name _____
Participating Area _____
County San Juan State Utah
Operator Southland Royalty Company
 Amended Report Well Name Fry Canyon

The following is a correct report of operations and production (including status of all unplugged wells) for the month of April, 19 80

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
1	28 SE/NW	36S	16E	DRG					Spudded Well 4/23/80. Drilling.

RECEIVED
MAY 22 1980
DIVISION OF
OIL, GAS & MINING

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXX

Authorized Signature: [Signature] Address: P.O. Drawer 570, Farmington, N.M.
Title: District Production Manager Page One of One 87401

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

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Southland Royalty Company

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: *1720' FNL & 1940' FWL*
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-41929

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Fry Canyon

9. WELL NO.
1

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 28, T36S, R16E

12. COUNTY OR PARISH | 13. STATE
San Juan | Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5386' GL

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(other)		

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: 6-13-80

BY: M.J. Minder

DO NOT WRITE IN THESE SPACES IF multiple completion or zone change on Form 9-330.)

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.)*

*13-3/8" casing set in 17-1/2" hole at 448'.
12-1/4" hole drilled to 1751'.
7-7/8" hole drilled to 4626'.*

<u>FORMATION TOPS:</u>	<i>Pennsylvanian</i>	<i>1794'</i>	<i>Pinkerton Trail</i>	<i>3167'</i>
	<i>Ismay</i>	<i>2354'</i>	<i>Molas</i>	<i>3458'</i>
	<i>Desert Creek</i>	<i>2617'</i>	<i>Mississippian</i>	<i>3592'</i>
	<i>Akah</i>	<i>2782'</i>	<i>Elbert</i>	<i>4420'</i>
	<i>Barker Creek</i>	<i>2942'</i>	<i>McCracken</i>	<i>4554'</i>

Spot Plugs as follows:

<i>#1</i>	<i>35 sacks from 4470' to 4370'</i>	<i>#4</i>	<i>40 sacks from 1830' to 1730'</i>
<i>#2</i>	<i>35 sacks from 3650' to 3550'</i>	<i>#5</i>	<i>72 sacks from 500' to 400'</i>
<i>#3</i>	<i>35 sacks from 2650' to 2550'</i>	<i>#6</i>	<i>38 sacks from 50' to Surface.</i>

Install dry hole marker.

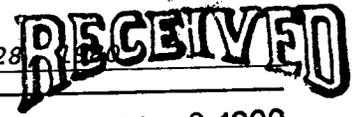
Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED *C. Person* TITLE *District Engineer* DATE *May 28*

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:



JUN 2 1980

DIVISION OF OIL, GAS & MINING

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

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Southland Royalty Company

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: *1720' FNL & 1940' FWL*
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE
U-41929

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Fry Canyon

9. WELL NO.
1

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 28, T36S, R16E

12. COUNTY OR PARISH | 13. STATE
San Juan | Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5386' GL

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input checked="" type="checkbox"/>
(other)	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

May 26, 1980

Spotted Plugs as follows:

- #1 35 sacks from 4470' to 4370'*
- #2 35 sacks from 3650' to 3550'*
- #3 35 sacks from 2650' to 2550'*
- #4 40 sacks from 1830' to 1730'*
- #5 72 sacks from 500' to 400'*
- #6 38 sacks from 50' to Surface.*

Installed dry hole marker.

Final Clean up will be made at a later date.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED *C. Parsons* TITLE *District Engineer* DATE *May 28, 1980*

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



JUN 2 1980

**DIVISION OF
OIL, GAS & MINING**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUTY

(...other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355N.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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 Abandon

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
1720' FNL & 1940' FWL SE NW
At top prod. interval reported below
At total depth

14. PERMIT NO. 43-037-30507 DATE ISSUED 10-19-79

15. DATE SPUDDED 4-23-80 16. DATE T.D. REACHED 5-20-80 17. DATE COMPL. (Ready to prod.) P & A 5-28-80 18. ELEVATIONS (DF, RKB, ET, GR, ETC.)* 5386' GR

20. TOTAL DEPTH, MD & TVD 4626' 21. PLUG, BACK T.D., MD & TVD _____ 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS _____ CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Not completed.

19. ELEV. CASINGHEAD _____ 25. WAS DIRECTIONAL SURVEY MADE
Deviation

26. TYPE ELECTRIC AND OTHER LOGS RUN
GR-Induction, GR-Density, Dual Lateral and Sonic.

27. WAS WELL CORED
Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<u>13 3/8"</u>	<u>48#</u>	<u>448'</u>	<u>17 1/2"</u>	<u>470 sacks</u>	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)
No perforations.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION _____ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) _____ WELL STATUS (Producing or shut-in) _____

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
<u>No test.</u>							
FLOW. TUBING PRESS.	CASINO PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

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

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 7-1-80

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.)

37. SUMMARY OF POROUS ZONES: 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 PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS	
FORMATION	TOP	DESCRIPTION, CONTENTS, ETC.	NAME
	TOP	BOTTOM	MEAS. DEPTH
	TRUB VERT. DEPTH		
Pennsylvanian	1990'		
Ismay	2412'		
Desert Creek	2617'		
Akah	2782'		
Barker Creek	3024'		
Pinkerton Trail	3166'		
Molas	3502'		
Mississippian	3595'		
Ellbert	4336'		
McCracken	4482'		

CORE ANALYSIS RESULTS FOR
SOUTHLAND ROYALTY COMPANY
NO. 1 FRY CANYON
WILDCAT
SAN JUAN COUNTY, UTAH

RECEIVED
AUG 15 1980
FARMINGTON DISTRICT



CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

COMPANY SOUTHLAND ROYALTY COMPANY FIELD WILDCAT FILE RP-3-2992
 WELL NO. 1 FRY CANYON COUNTY SAN JUAN DATE 5-19-80
 LOCATION SE NW SEC 28-36S-16E STATE UTAH ELEV. 5396 KB

CORE-GAMMA CORRELATION

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted) but Core Laboratories, Inc. and its officers and employees assume no responsibility and make no warranty or representations as to the productivity, proper operation, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

VERTICAL SCALE: 5" = 100'

CORE-GAMMA SURFACE LOG (PATENT APPLIED FOR)

GAMMA RAY
RADIATION INCREASE →

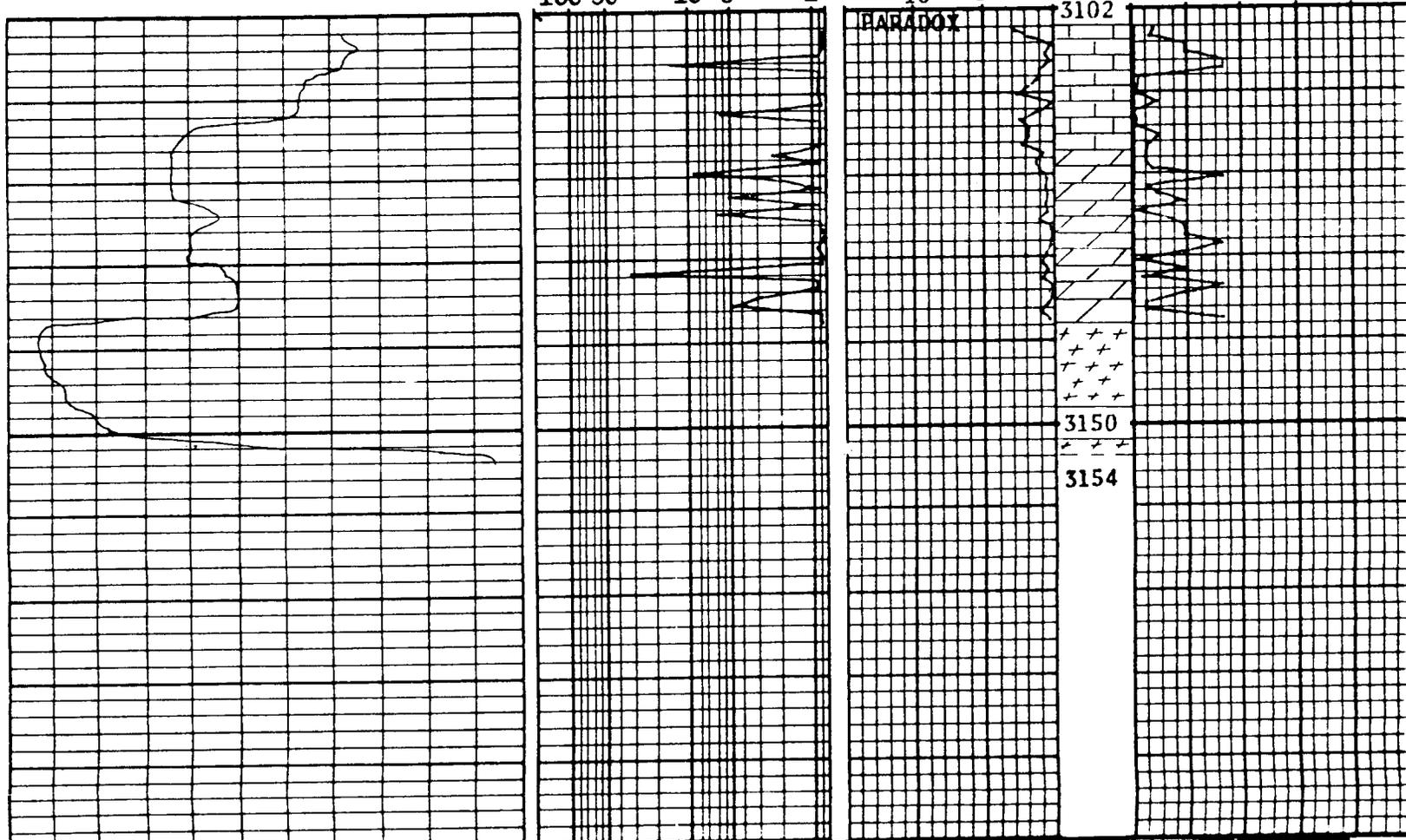
COREGRAPH

TOTAL WATER ———
PERCENT TOTAL WATER
80 60 40 20 0

PERMEABILITY ———
MILLIDARCS
100 50 10 5 1

POROSITY ———
PERCENT
10 5 0

OIL SATURATION -----
PERCENT PORE SPACE
0 20 40 60 80



INTERPRETATION OF DATA

3102.0-3154.0 Feet - Non-productive due to low permeability and porosity.

These recovery estimates represent theoretical maximum values for solution gas and water drive. They assume that production is started at original reservoir pressure; i.e., no account is taken of production to date or of prior drainage to other areas. The effects of factors tending to reduce actual ultimate recovery, such as economic limits on oil production rates, gas-oil ratios, or water-oil ratios, have not been taken into account. Neither have factors been considered which may result in actual recovery intermediate between solution gas and complete water drive recoveries, such as gas cap expansion, gravity drainage, or partial water drive. Detailed predictions of ultimate oil recovery to specific abandonment conditions may be made in an engineering study in which consideration is given to overall reservoir characteristics and economic factors.

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

PAGE NO. 1

SOUTHLAND ROYALTY COMPANY
 NO.1 FRY CANYON
 WILDCAT
 SAN JUAN COUNTY

FORMATION : PARADOX
 DRLG. FLUID: WBM
 LOCATION : SE NW SEC 28-36S-16E
 STATE : UTAH

DATE : 5-19-80
 FILE NO. : RP-3-2992
 ANALYSTS : GETZ
 ELEVATION: 5396 KB

WHOLE CORE ANALYSIS--BOYLE'S LAW HELIUM POROSITY

NO.	DEPTH	PERM. TO HORZ.	AIR (MD) VERTICAL	POR. B.L.	FLUID OIL	SATS. WATER	GR. DNS.		DESCRIPTION	VERT. PERM.
1	3102 -3	0.03	*	2.9	0.0	91.2	2.81		LM DK GY F XLN SHLY	0.01
2	3103 -4	0.02	*	1.8	0.0	92.9	2.76		LM MD GY F XLN SHLY	0.01
3	3104 -5	0.02	*	0.2	0.0	80.0	2.84		LM MD GY F XLN SHLY	0.01
4	3105 -6	0.63	0.41	0.7	0.0	80.0	2.69		LM MD GY F XLN SHLY	0.53
5	3106 -7	14	14	0.3	0.0	66.7	2.70	HF	LM MD GY F XLN SHLY	0.02
6	3107 -8	0.31	0.24	1.1	0.0	66.7	2.74		LM MD GY F XLN SHLY	0.01
7	3108 -9	0.50	0.50	1.1	0.0	96.8	2.65		LM MD GY F XLN SHLY	2.2
8	3109-10	0.54	0.45	1.9	0.0	97.0	2.64		LM MD GY F XLN SHLY	0.09
9	3110-11	0.24	0.09	2.7	0.0	97.3	2.71		LM MD GY F XLN SHLY	0.04
10	3111-12	0.08	0.07	0.1	0.0	90.0	2.64		LM MD GY F XLN SHLY	0.03
11	3112-13	5.7	5.7	1.1	0.0	98.6	2.61	HF	LM MD GY F XLN SHLY	0.22
12	3113-14	0.27	0.19	2.5	0.0	97.1	2.62		LM MD GY F XLN SHLY	0.08
13	3114-15	0.28	0.19	1.8	0.0	97.3	2.65		LM MD GY F XLN SHLY	0.53
14	3115-16	0.24	0.06	1.8	0.0	88.9	2.69		LM MD GY F XLN ANHY	0.04
15	3116-17	0.23	0.21	2.3	0.0	93.3	2.70		LM MD GY F XLN ANHY	0.40
16	3117-18	2.1	0.93	0.8	0.0	94.1	2.83		DOLO MD GY F XLN ANHY	0.45
17	3118-19	0.20	0.15	1.3	0.0	94.1	2.80		DOLO MD GY F XLN ANHY	0.16
18	3119-20	9.3	8.9	1.0	0.0	91.7	2.76	HF	DOLO MD GY F XLN ANHY	0.22
19	3120-21	1.8	1.0	0.5	0.0	66.7	2.73		DOLO MD GY F XLN ANHY	0.15
20	3121-22	0.18	0.17	0.6	0.0	93.8	2.70		DOLO MD GY XLN ANHY	0.06
21	3122-23	4.8	0.21	0.4	0.0	90.0	2.63	VF	DOLO MD GY XLN	1.2
22	3123-24	0.54	*	0.6	0.0	80.0	2.75		DOLO MD GY F XLN ANHY	0.10
23	3124-25	5.9	0.34	0.4	0.0	98.4	2.68		DOLO MD GY F XLN	1.3
24	3125-26	0.21	0.21	1.1	0.0	85.7	2.84		DOLO MD GY F XLN ANHY	0.05
25	3126-27	0.03	*	0.2	0.0	80.0	2.81		DOLO MD GY F XLN ANHY	0.01

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

PAGE NO. 2

SOUTHLAND ROYALTY COMPANY
 NO.1 FRY CANYON
 WILDCAT
 SAN JUAN COUNTY

FORMATION : PARADOX
 DRLG. FLUID: WBM
 LOCATION : SE NW SEC 28-36S-16E
 STATE : UTAH

DATE : 5-19-80
 FILE NO. : RP-3-2992
 ANALYSTS : GETZ
 ELEVATION: 5396 KB

WHOLE CORE ANALYSIS--BOYLE'S LAW HELIUM POROSITY

S No.	DEPTH	PERM. TO AIR (MD)		POR. B.L.	FLUID SATS.		GR. DNS.	DESCRIPTION	VERT. PERM.
		HORZ.	VERTICAL		OIL	WATER			
26	3127-28	0.01	*	0.2	0.0	80.0	2.70	DOLO MD GY XLN	0.01
27	3128-29	0.57	0.41	0.3	0.0	66.7	2.61	DOLO MD GY XLN	0.53
28	3129-30	0.01	0.01	0.6	0.0	80.0	2.75	DOLO MD GY F XLN	0.02
29	3130-31	0.01	*	0.9	0.0	97.6	2.71	DOLO MD GY F XLN	0.01
30	3131-32	30	1.63	0.4	0.0	80.0	2.64	VF DOLO MD GY F XLN	31
31	3132-33	0.67	0.58	0.9	0.0	95.5	2.66	DOLO MD GY F XLN	0.16
32	3133-34	0.44	0.34	0.1	0.0	66.7	2.67	DOLO MD GY F XLN	0.44
33	3134-35	2.6	2.1	0.1	0.0	80.0	2.64	HF DOLO MD GY F XLN	0.25
34	3135-36	4.6	4.6	0.4	0.0	94.1	2.67	HF DOLO MD GY F XLN	0.31
35	3136-37	0.20	0.17	1.1	0.0	93.8	2.61	DOLO MD GY F XLN	0.10
36	3137-38	0.01	*	0.3	0.0	66.7	2.96	DOLO/ANHY LT GY F XLN	0.01
	3138-3153							ANHYDRITE-NO ANALYSIS	
	3153-3154							SHALE-NO ANALYSIS	

HF=HORIZONTAL FRACTURE

VF=VERTICAL FRACTURE

* Not suitable for whole core analysis-exposed core.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other P&A

2. NAME OF OPERATOR
Southland Royalty Company

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1720' FNL & 1940' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) <u>Location Clean up</u>		<input checked="" type="checkbox"/>

5. LEASE
U-41929

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Fry Canyon

9. WELL NO.
1

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 28, T36S, R16E

12. COUNTY OR PARISH | 13. STATE
San Juan | Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4626'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

8/26/80 This location has been cleaned up and reseeded according to BLM's stipulation.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED R. E. Fiddler TITLE District Engineer DATE October 17, 1980

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

November 17, 1980

Southland Royalty Company
P.O. Drawer 570
Farmington, New Mexico 87401

RE: Well No. Fry Canyon #1
Sec. 28, T. 36S, R. 16E.,
San Juan County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office July 1, 1980, from above referred to well indicates the Core Tests were run. As of todays date this office has not received these tests.

Please refer to Rule C-5 (c), General Rules and Regulations and Rules of Practice and Procedure.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Barbara Hill
BARBARA HILL
CLERK TYPIST

/bjh



RECEIVED
NOV 20 1980
FARMINGTON DISTRICT

OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON
Chairman

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
MAXILIAN A. FARBMAN
EDWARD T. BECK
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SCOTT M. MATHESON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

November 17, 1980

Southland Royalty Company
P.O. Drawer 570
Farmington, New Mexico 87401

RE: Well No. Fry Canyon #1
Sec. 28, T. 36S, R. 16E.,
San Juan County, Utah

Gentlemen:

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Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Barbara Hill
BARBARA HILL
CLERK TYPIST

/bjh

11-24-80

Attached is the core analysis for the Fry Canyon #1.
Thankyou for your patience in this matter. If we
can be of further assistance, please let us know.

Irata Edwards
Southland Royalty Co

RECEIVED

NOV 23 1980

DIVISION OF
OIL, GAS & MINING