

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, NM 87401

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

At surface

H 1620' FNL & 810' FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

5 miles SW of Blanco, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

810'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

935'

16. NO. OF ACRES IN LEASE

2040

19. PROPOSED DEPTH

6440'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

N/320

20. ROTARY OR CABLE TOOLS

Rotary

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

5708' GR

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
12 1/4"	8 5/8"	24#	200'	140 sacks
7 7/8"	5 1/2"	15.5#	6440'	160 sacks (Stage One)
				180 sacks (Stage Two)
				140 sacks (Stage Three)

Surface formation is Nacimiento.

Top of Ojo Alamo sand is at 1150'.

Top of Pictured Cliffs sand is at 1850'.

Fresh water mud will be used to drill from surface to total depth.

No abnormal pressures or poisonous gases are anticipated in this well.

It is expected that this well will be drilled before June 30, 1980. This depends on time required for approvals, rig availability and the weather.

Gas is dedicated.

ADDITIONAL WELL NEEDED PURSUANT TO NEW MEXICO ORDER R-1670-T.
U.S.G.S. RATIFICATION DATED FEBRUARY 22, 1979.

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.

24.

SIGNED

TITLE District Production Manager DATE 10-24-79

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NMOCC

All distances must be from the outer boundaries of the Section.

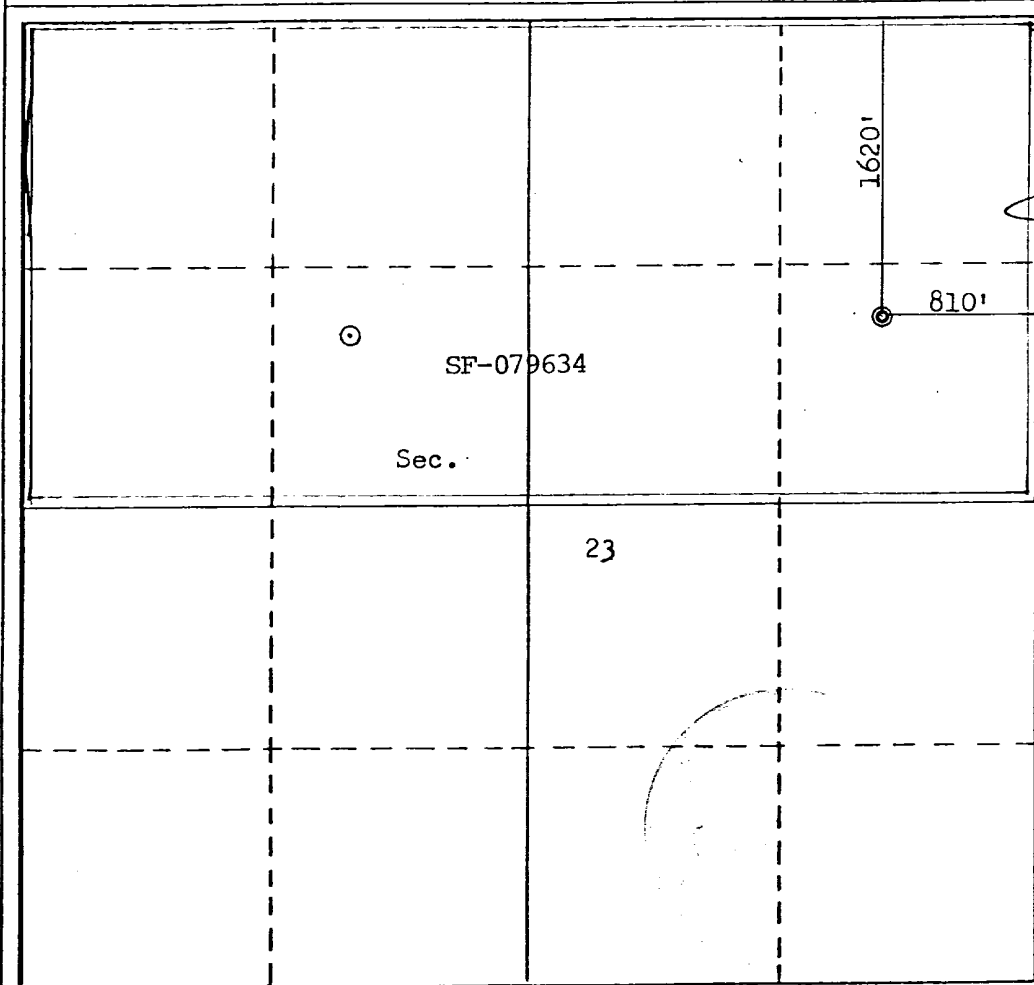
Operator SOUTHLAND ROYALTY COMPANY			Lease McCLANAHAN		Well No. 11-E
Unit Letter H	Section 23	Township 28N	Range 10W	County San Juan	
Actual Footage Location of Well: 1620 feet from the North line and 810 feet from the East line					
Ground Level Elev. 5708	Producing Formation Dakota - Mesa Verde		Pool Basin - Blanco	Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name
District Production Manager
Position
Southland Royalty Company
Company
October 24, 1979
Date

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
October 20, 1979
Registered Professional Engineer
and/or Land Surveyor
Fred B. Kerr Jr.
Certificate No. 13800
STATE OF NEW MEXICO
B. KERR, JR.

SOUTHLAND ROYALTY COMPANY - DRILLING SCHEDULE

M c C L A N A H A N # 1 4 E

1620' FNL & 810' FEL
Section 23, T28N, R10W
San Juan County, New Mexico

Field: Basin Dakota/Blanco Mesa Verde

Elevation: 5708' GR

Geology:

Formation Tops:	Ojo Alamo	1150'	Gallup	5330'
	Fruitland	1570'	Graneros	6150'
	Pictured Cliffs	1850'	Dakota	6240'
	Cliff House	3420'	Total Depth	6440'
	Point Lookout	4120'		

Logging Program: IES and Gr-Density from Total Depth to surface casing.

Coring Program: None

Natural Gauges: None

Drilling:

Contractor:

Tool Pusher:

SRC Representative:

SRC Ans. Svc: 325-1841
SRC Dispatch: 325-7391

Mud Program: Fresh water from surface to 5250'.
Fresh water mud from 5250' to Total Depth.
Maintain mud weight of 8.9 - 9.4; Vis. of 35 - 40 sec; Water Loss
of 10 - 12 cc. Maintain 10% ICM thru Gallup from 5300' to 5700'.

Materials:

Casing Program:	Hole Size	Depth	Casing Size	Wt. & Grade
	12 1/4"	200'	8 5/8"	24# H-40
	7 7/8"	6440'	5 1/2"	15.5# K-55

Float Equipment:

8 5/8" Surface Casing: Pathfinder type "A" guide shoe.

5 1/2" Production Casing: Pathfinder type "A" guide shoe. Self-fill flapper type float collar run 1 joint off bottom. 5 Pathfinder bow type stabilizers (run every other joint above shoe). Dowell stage tools at 4470' and 1950'. Run 1 cement basket below and 5 Pathfinder rigid stabilizers above each tool.

Wellhead Equipment:

8 5/8" x 10", 2000# Braden head with 5 1/2" casing hanger.

10", 2000# x 6", 2000# tubing head and tree.

Cementing:

8 5/8" Surface Casing: 140 sacks (165 cu. ft.) of Class "B" with 1/4# gel flake per sack and 3% CaCl_2 . WOC 12 hours. Test to 600# prior to drilling out. (Volume is 100% excess)

5 1/2" Production Casing: STAGE ONE - 160 sacks (240 cu. ft.) of 50/50 Poz with 6% gel, 1/4# gel flake per sack, followed by 50 sacks of neat with 2% CaCl_2 . (Volume is 25% excess to cover top of Gallup)

STAGE TWO - 180 sacks (273 cu. ft.) of 50/50 Poz with 6% gel followed by 50 sacks of neat with 2% CaCl_2 . (Volume is 50% excess to cover top of Cliff House)

STAGE THREE - 140 sacks (208 cu. ft.) of 50/50 Poz with 6% gel. (Volume is 50% excess to cover top of Pictured Cliffs)

WOC and circulate between stages as required by well conditions.

L. O. Van Ryan
District Production Manager

BJM/ke



Southland Royalty Company

October 24, 1979

United States Geological Survey
P. O. Box 959
Farmington, New Mexico

Attention: James Sims

Re: Blowout Preventer Plan

Dear Sir:

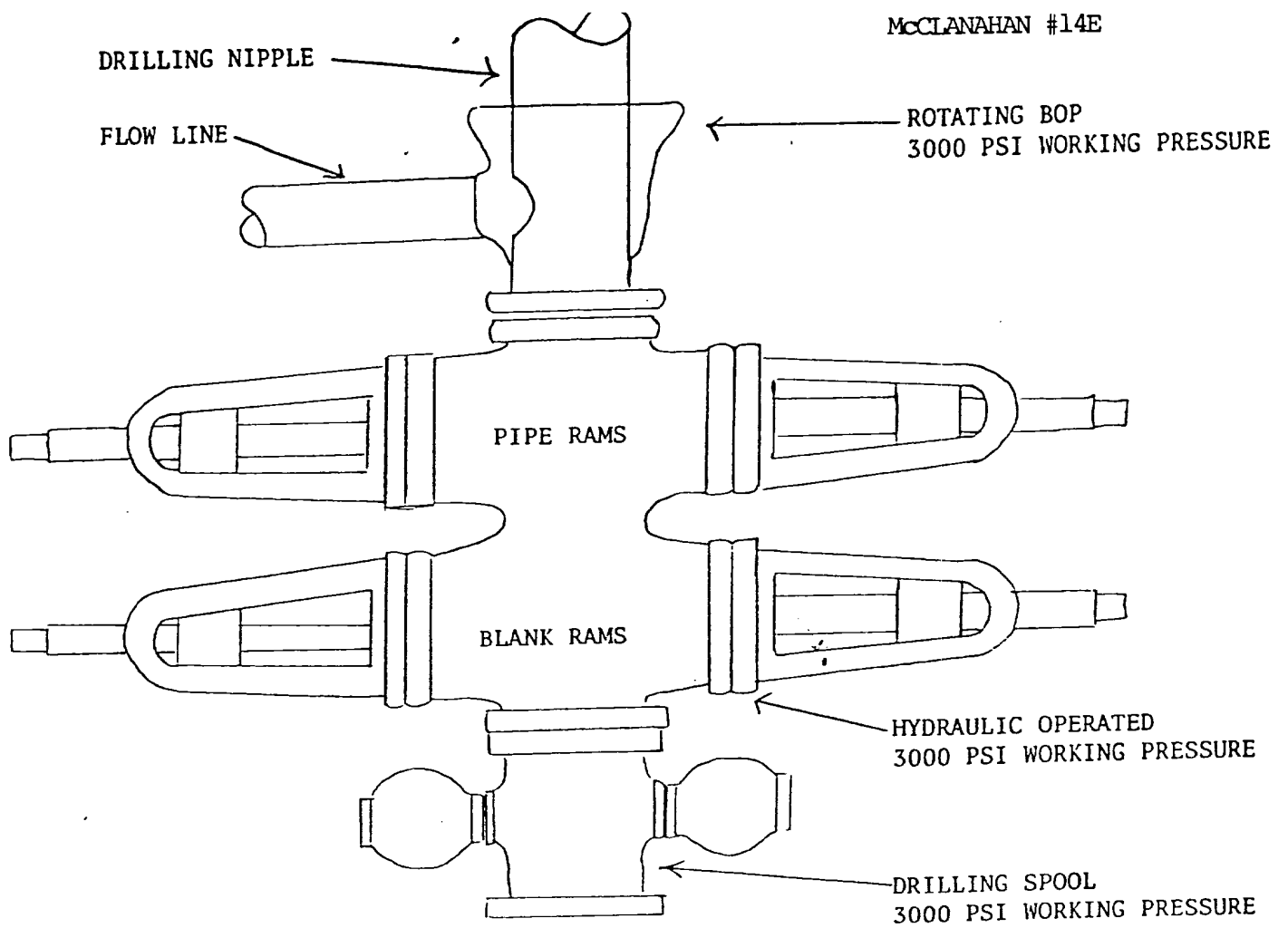
All drilling and completion rigs will be equipped with 6" or larger double hydraulic blowout preventers and a hydraulic closing unit with steel lines.

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



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



Southland Royalty Company

United States Geological Survey
P. O. Box 959
Farmington, New Mexico 87401

Attention: James Sims

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 24, 1979

Name: 

Title: District Production Manager



Southland Royalty Company

October 24, 1979

United States Geological Survey
P. O. Box 959
Farmington, New Mexico

Attention: James Sims

Dear Sir:

Enclosed please find a map showing existing roads and planned access roads to Southland Royalty Company's McClanahan #14E 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 and pipe racks and cut required to build this location.

Water supply will be San Juan River.

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

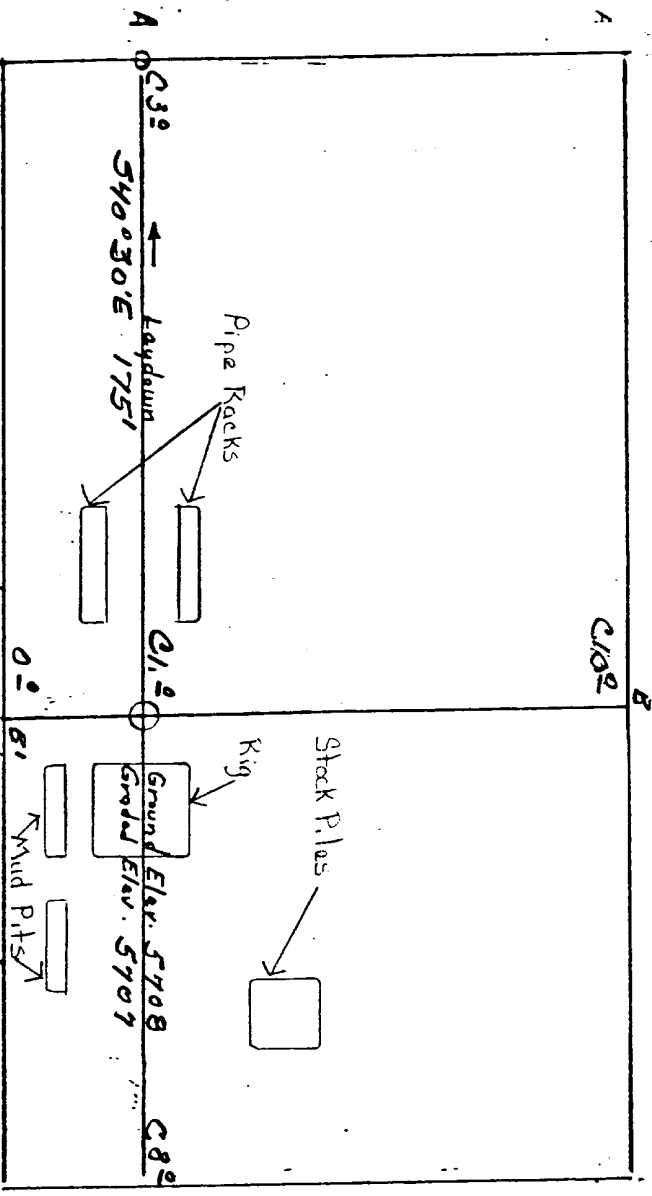
Mr. Ross Lankford will be Southland Royalty Company's field representative supervising these operations.

Yours truly,

L. O. Van Ryan
District Production Manager

LOVR/dg

LOCATION FRUITLE FOR
 SOUTHLAND ROYALTY CO. #11E McCLANAHAN
 1620' FNL 810' FEL Sec 23-T28N-R10W
 SAN JUAN COUNTY, NEW MEXICO



Vert. 1"=40'

A-A' &

Horiz: 1"=100'

5720					
5710					
5700					

B-B'

&

5720					
5710					
5700					

Vert: 1"=40'

C-C'

Horiz: 1"=100'

D-D'

&

