

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

1880

990' FNL & 1000' FEL

680 At proposed prod. zone

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

Approximately 8 miles SE of Bloomfield, NM

15. DISTANCE FROM PROPOSED*

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

990'

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

650'

16. NO. OF ACRES IN LEASE

2585.84

19. PROPOSED DEPTH

5030'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320 15/33884 + 178.84

20. ROTARY OR CABLE TOOLS

Rotary

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

6430' GR

22. APPROX. DATE WORK WILL START*

November 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"	24.0#	200'	140 sx (Circ. to surf.)
7 7/8"	5 1/2"	14.0#	5030'	335 sx (Cover Chacra) Stage 1
				225 sx (Cover Ojo Alamo) Stage 2

Surface formation is Nacimiento.

Top of Ojo Alamo sand is at 1312'.

Top of Pictured Cliffs sand is at 2440'.

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

It is anticipated that an IES and a GR-Density log will be run at total depth.

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

It is expected that this well will be drilled before December 31, 1980. This depends on time required for approval, rig availability and the weather.

Gas is dedicated.

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

R.E. Fielder

TITLE District Engineer

DATE 10-8-80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Hold
C-104 for
NGL
write
NGLS
Bruce W. Ramsey
ch3m

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 ☐ gas ☒ 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. See space 17 below.)

AT SURFACE: 680' FNL & 1880' FEL

AT TOP PROD. INTERVAL:

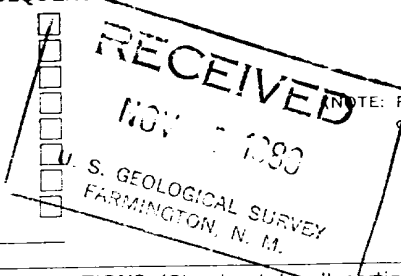
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) Move Location XX

SUBSEQUENT REPORT OF:



5. LEASE
SF-077874

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Hanks

9. WELL NO.
#25

10. FIELD OR WILDCAT NAME

Blanco Mesa Verde

Undesignated Chacra

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

Section 6, T27N, R9W

12. COUNTY OR PARISH

San Juan

13. STATE

NM

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6323' GR

(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.)*

Southland Royalty Company proposes to move this wellsite from 990' FNL & 1000' FEL to 680' FNL & 1880' FEL, Section 6, T27N, R9W, San Juan County, New Mexico. This move is requested due to bad road conditions and radical terrain of original site.



Subsurface Safety Valve: Manu. and Type

Set @ Ft.

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

SIGNED R. E. Fields

TITLE District Engineer

DATE 11-5-80

(This space for Federal or State office use)

APPROVED BY: PROVED
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

NOV 18 1980

Bruce Blamley
DISTRICT ENGINEER

*See Instructions on Reverse Side

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

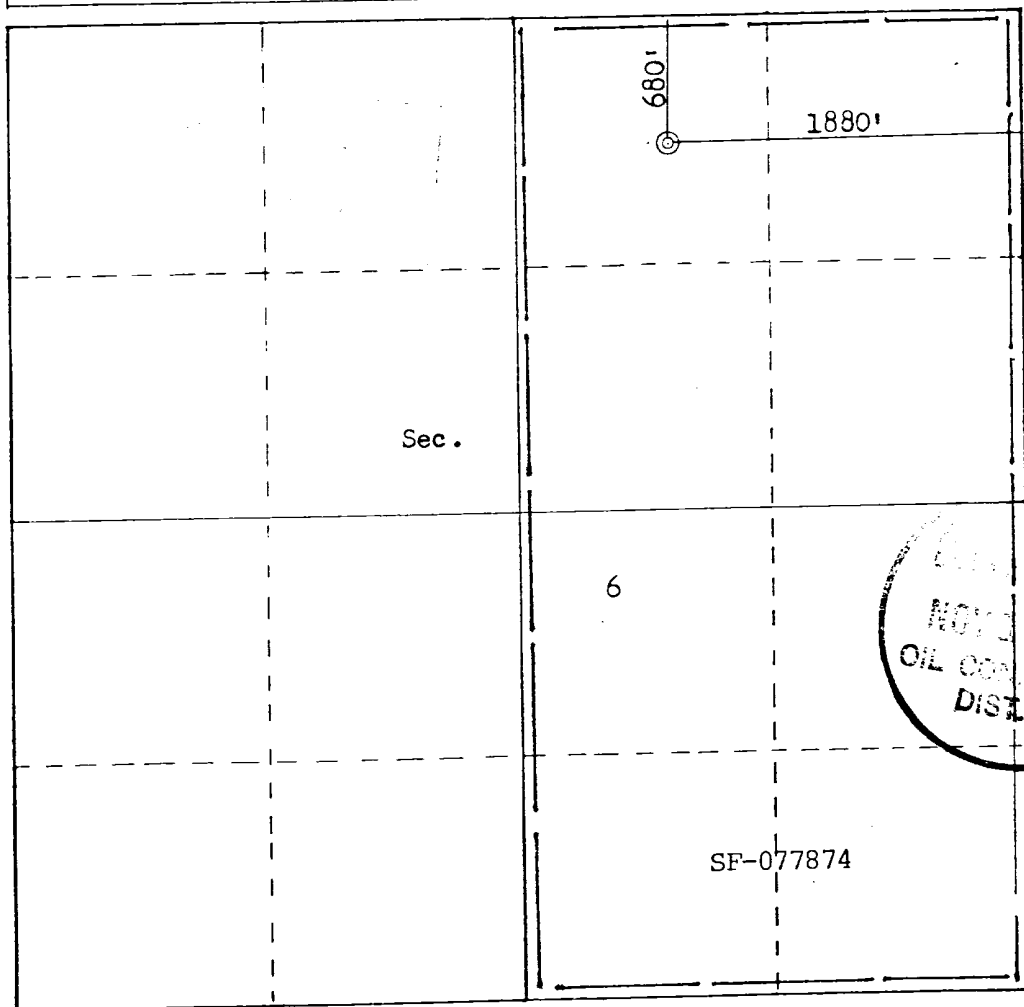
Operator SOUTHLAND ROYALTY COMPANY			Lease HANKS		Well No. 25
Unit Letter B	Section 6	Township 27N	Range 9W	County San Juan	
Actual Footage Location of Well: 680 feet from the North line and 1880 feet from the East line					
Ground Level Elev. 6323	Producing Formation Mesa Verde/Chacra	Pool 680' 1880'	Dedicated Acreage: 338.84		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.



Scale: 1"=1000'

CERTIFICATION

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

R. E. Fielder

Name
Robert E. Fielder

Position
District Engineer

Company
Southland Royalty Company

Date
November 5, 1980

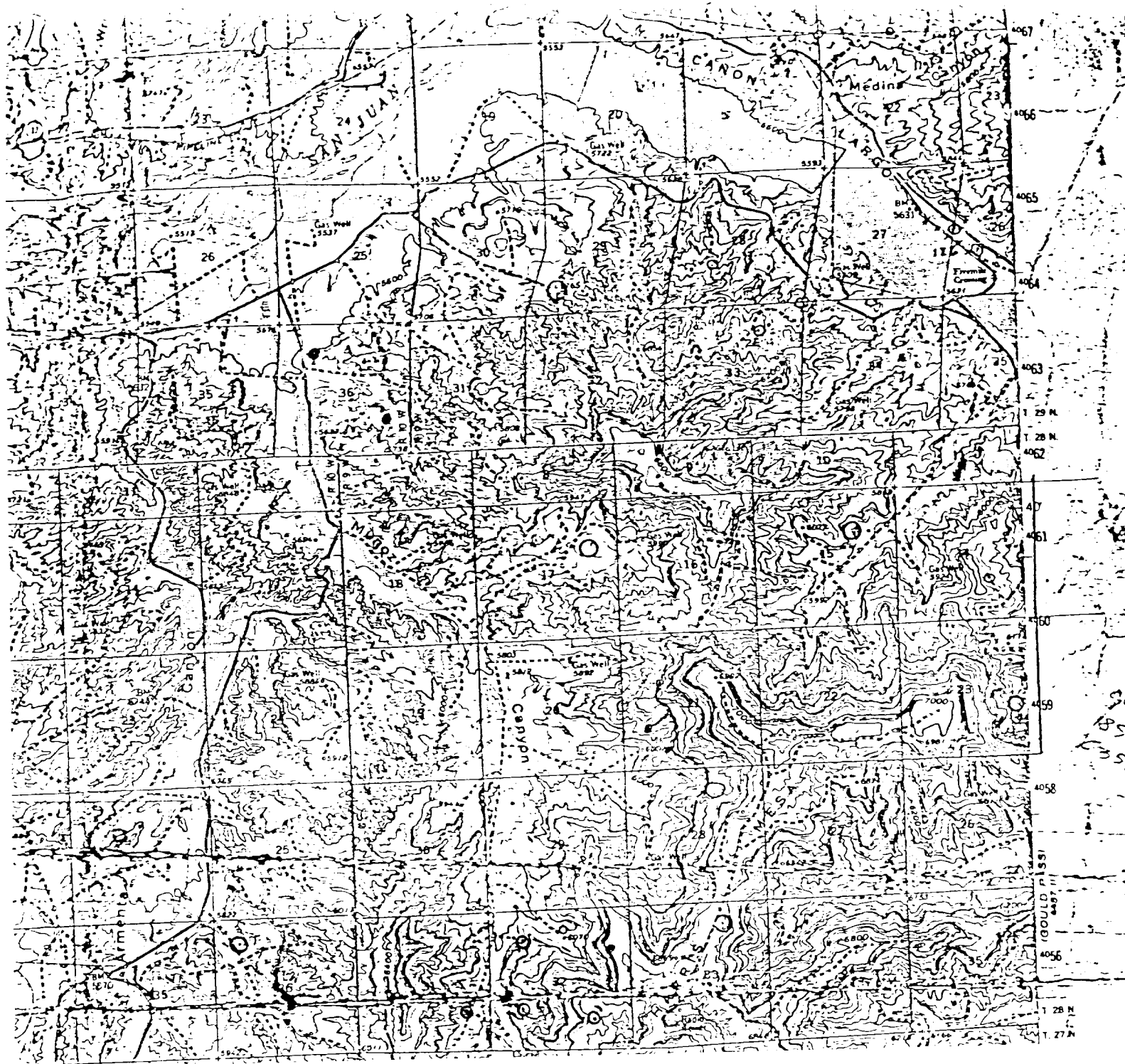
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
October 27, 1980

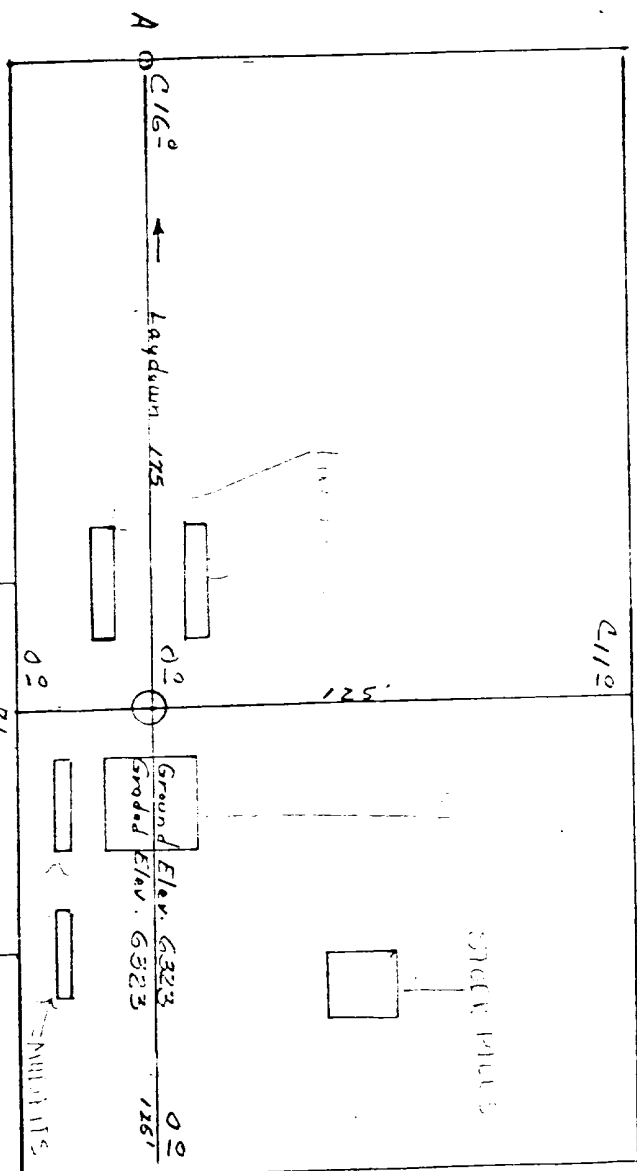
Registered Professional Engineer and Land Surveyor

Red B. Kerr Jr.

Certificate No.
3950



SOUTHLAND ROYALTY COMPANY #25 HANKS
680' FNL 1880' FEL Sec. 6-T27N-R9W SAN JUAN COUNTY, NEW MEXICO



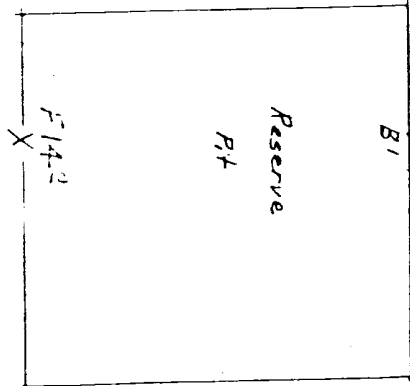
Scale 1" = 50'

Vert. 1"=40' Horiz. 1"=100'

6330				
6320				
6310				

B-B' 1"=40' Horiz. 1"=100'

6330				
6320				
6310				



Vert. 1"=40' Horiz. 1"=100'

1"=40' Horiz. 1"=100'

KERR LAND SURVEYING
Date: 10-27-80

SOUTHLAND ROYALTY COMPANY - DRILLING SCHEDULE

H A N K S # 2 5

990' FNL & 1000' FEL
Section 6, T27N, R9W
San Juan Co., NM

Field: Blanco Mesa Verde
Undesignated Chacra

Elevation: 6430' GR

Geology: Formation Tops -

Ojo Alamo	1312'	Cliff House	4063'
Fruitland	2201'	Point Lookout	4677'
Pictured Cliffs	2440'	Total Depth	5030'
Chacra	3202'		

Logging Program - IES and GR-Density at TD.

Drilling:

Contractor -
SRC Representative -

Tool Pusher -
SRC Answ. Svc. - 325-1841
Dispatch No. - 325-7391

Mud Program: Fresh water mud to TD. Pretreat mud with 10% LCM at 2100' (+).
Keep mud weight as low as possible.

Materials: Casing Program -

<u>Hole Size</u>	<u>Depth</u>	<u>Casing Size</u>	<u>Wt. & Grade</u>
12 1/4"	200'	8 5/8"	24.0# K-55
7 7/8"	5030'	5 1/2"	14.0# K-55

Float Equipment -

8 5/8" surface casing - B & W cement guide shoe (FC01).

5 1/2" production casing - B & W geyser shoe (FC03). B & W flapper valve float collar (FP01) run one joint up. Run Dowell, Howco or Bakerline stage tool at 2600' (+). Run five centralizers every other joint above shoe. Run a cement basket below and five centralizers above the stage tool.

Wellhead Equipment -

8 5/8" x 10", 2000 psi bradenhead
10" x 6", 2000 psi casinghead

Cementing:

8 5/8" surface casing: 140 sx (165 cu. ft.) of Cl "B" w/1/4# gel flake/sx & 3% CaCl_2 . WOC 12 hours. Test to 600 psi prior to drilling out. (Volume is 100% excess.)

5 1/2" production casing: STAGE ONE - 255 sx (380 cu. ft.) Cl "B", 50/50 poz w/6% gel & 1/4# gel flake/sx. Follow with 80 sx (94 cu. ft.) Cl "B" w/2% CaCl_2 . (Volume is 50% excess to cover Chacra.)

STAGE TWO - 225 sx (335 cu. ft.) Cl B, 50/50 poz w/6% gel. (Volume is 50% excess to cover Ojo Alamo.)

Circulate 3 to 4 hours between stages.

JAC/ke

9-29-80

L. O. Van Ryan
District Production Manager



Southland Royalty Company

October 8, 1980

United States Geological Survey
Mr. James F. Sims
District Oil and Gas Supervisor
P. O. Box 959
Farmington, NM 87401

RE: Blowout Preventer Plan

Dear Mr. Sims:

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 pressure.

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

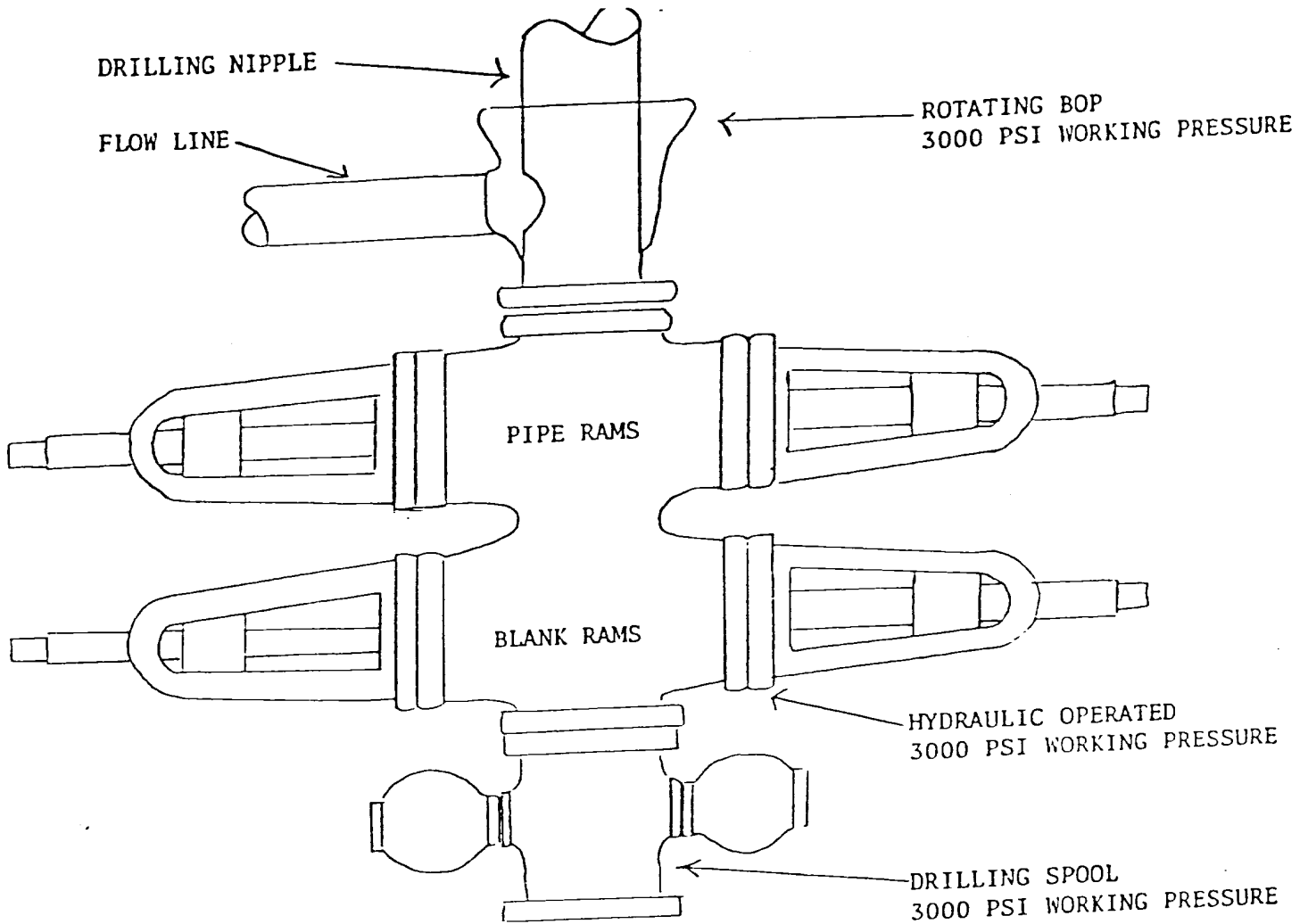
Sincerely,

SOUTHLAND ROYALTY COMPANY

Robert E. Fielder
District Engineer

REF/ke

Southland Royalty Company
Hanks #25
Section 6, T27N, R9W
San Juan, NM



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



Southland Royalty Company

October 8, 1980

United States Geological Survey
Mr. James F. Sims
District Oil and Gas Supervisor
P. O. Box 959
Farmington, NM 87401

Dear Mr. Sims:

Enclosed please find a map showing existing roads and planned access roads to Southland Royalty Company's HANKS #25 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.

There will be no camps or airstrips.

Also, enclosed is a location layout showing approximate location of rig, pits and pipe racks.

Water supply for this well will be San Juan River.

The terrain is rolling hills with sagebrush. The location will be restored according to the 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. Either he or myself may be reached anytime at 325-7391.

Sincerely,

SOUTHLAND ROYALTY COMPANY

Robert E. Fielder
District Engineer

REF/ke



Southland Royalty Company

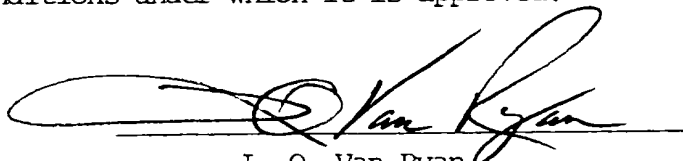
October 8, 1980

United States Geological Survey
Mr. James Sims
P. O. Box 595
Farmington, NM 87401

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 will 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:



L. O. Van Ryan
District Production Manager

LOVR/ke