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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Chamberlain	
2. Name of Operator Southland Royalty Company		9. Well No. #2	
3. Address of Operator P. O. Drawer 570, Farmington, NM 87401		10. Field and Pool, or Wildcat Blanco Pictured Cliffs	
4. Location of Well UNIT LETTER <u>A</u> LOCATED <u>790</u> FEET FROM THE <u>North</u> LINE AND <u>790</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>14</u> TWP. <u>32N</u> RGE. <u>12W</u> NMPM		12. County San Juan	
19. Proposed Depth 2950'		19A. Formation Pict. Cliffs	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 6300' GR	
21A. Kind & Status Plug. Bond		21B. Drilling Contractor	
22. Approx. Date Work will start September 15, 1980			

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	8 5/8"	24#	140'	100 SX	Surface
6 3/4"	2 7/8"	6.5#	2950'	<del>310 SX</del> sufficient to circulate	Ojo Alamo

Surface formation is Nacimiento.

Top of Ojo Alamo sand is at 1483'.

Top of Pictured Cliffs sand is at 2757'.

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 March 15, 1981. This depends on time required for approvals, rig availability and the weather.

Gas is dedicated.

APPROVAL VALID  
FOR 90 DAYS REGRESS  
DRILLING COMMENCED

EXPIRES 11-13-80



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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed R. E. Fickler Title District Engineer Date August 15, 1980

(This space for State Use)

APPROVED BY Frank S. O'Leary TITLE SUPERVISOR DISTRICT # 3 DATE AUG 15 1980

CONDITIONS OF APPROVAL, IF ANY:

note cementing change

## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088  
SANTA FE, NEW MEXICO 87501Form C-107  
Revised 10-1-78

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

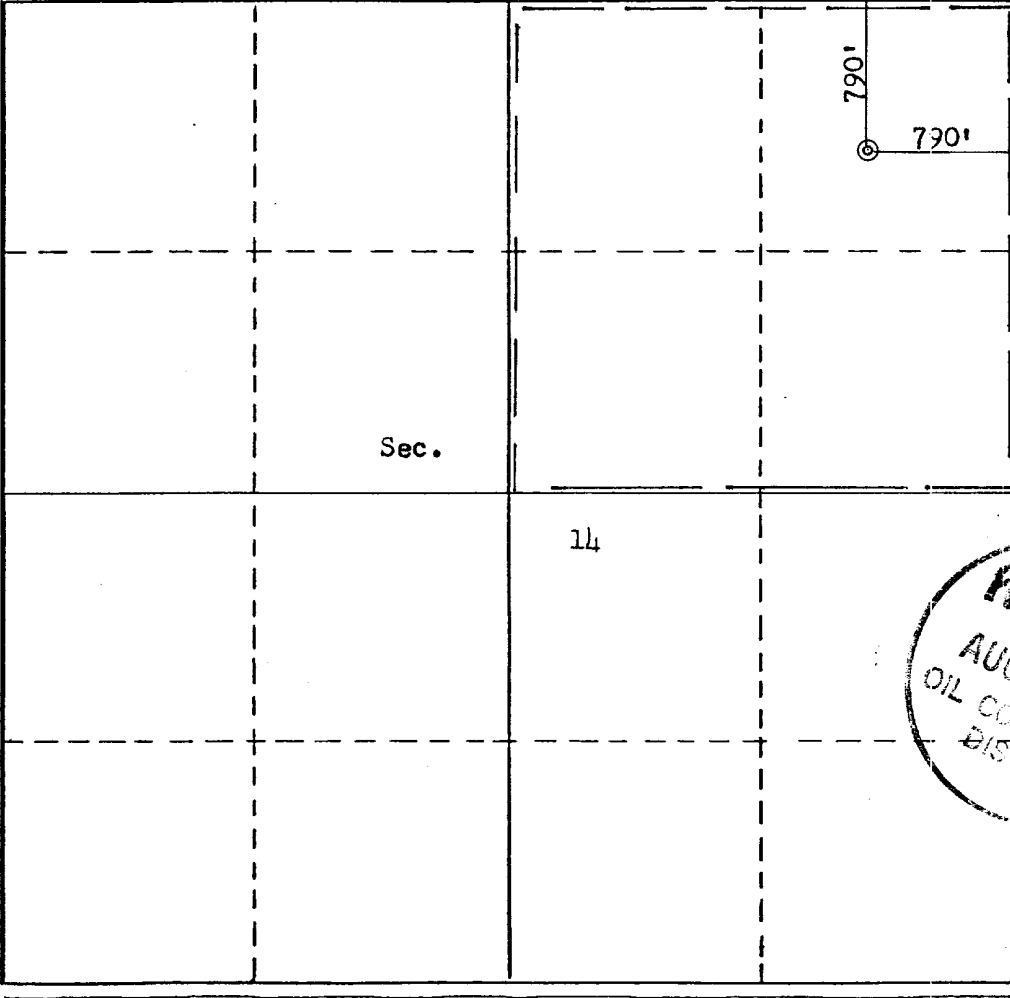
Operator <b>SOUTHLAND ROYALTY COMPANY</b>			Lease <b>CHAMBERLIN</b>		Well No. <b>2</b>
Unit Letter <b>A</b>	Section <b>14</b>	Township <b>32N</b>	Range <b>12W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>790</b> feet from the <b>North</b> line and <b>790</b> feet from the <b>East</b> line					
Ground Level Elev. <b>6300</b>	Producing Formation <b>Pictured Cliffs</b>		Pool <b>Blanco</b>	Dedicated Acreage: <b>160</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.

	<b>CERTIFICATION</b>
	<p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Robert E. Fielder</i></p> <p>Name <b>Robert E. Fielder</b></p> <p>Position <b>District Engineer</b></p> <p>Company <b>Southland Royalty Company</b></p> <p>Date <b>8-15-80</b></p> <p>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.</p> <p>Date Surveyed <b>May 22, 1980</b></p> <p>Registered Professional Engineer and/or Land Surveyor <i>Fred B. Kerr, Jr.</i></p> <p>Certificate No. <b>3950</b></p>

DRILLING SCHEDULE - Chamberlain #2

Location: 790' FNL & 790' FEL, Sec. 14, T32N, R12W, San Juan County, NM

Field: Blanco Pictured Cliffs

Elevation: 6300' GR  
6312' KB

Geology:

Formation Tops:	Ojo Alamo	1483'
	Fruitland	2291'
	Pictured Cliffs	2757'
	Total Depth	2950'

Logging Program: IES and GR-Density at Total Depth.

Coring Program : None

Natural Gauges : None

Drilling

Contractor:

Tool Pusher:  
SRC Answering Service: 525-1841  
Dispatch Number: 325-7391

SRC Representative:

Mud Program: Fresh water mud from surface to Total Depth.

Materials

Casing Program:	Hole Size	Depth	Casing Size	Wt. & Grade	
	12 1/4"	140'	8 5/8"	24#	K-55
	6 3/4"	2950'	2 7/8"	6.5#	K-55

Float Equipment

8-5/8" Surface Casing: Pathfinder cement guide shoe (#1003-1-010).

2-7/8" Production Casing: Sawtooth collar guide shoe. Howco 2 7/8" latch down baffle (Pr. Ref. 60). Two 3 1/16" rubber balls and one 2 7/8" Omega latching plug (Pr. Ref. 59). Use 3 1/4" plug container head. Six (6) B & W stabilizers on bottom 6 joints.

Wellhead Equipment: 8 5/8" X 2 7/8", EUE, screwed head.

DRILLING SCHEDULE - Chamberlain #2

Page 2

Cementing

8-5/8" Surface Casing: 118 cu. ft. (100 sx) Class "B" with 1/4# gel flake  
per sx & 3%  $\text{CaCl}_2$ . (100% excess)

2-7/8" Production Casing: 444 cu. ft. (260 sx) of 50/50 Class "B" Poz with  
6% gel mixed with 7.2 gals water per sx to weigh  
12.85 ppg. Tail in with (50 sx) Class "B" with  
2%  $\text{CaCl}_2$ . If lost circulation occurs, add 1/4#  
cu. ft. of fine gilsonite per sx. (50% excess  
to cover Ojo Alamo). Displace cement with 50 gals  
7 1/2% acetic acid. Run temperature survey after  
12 hours.

\_\_\_\_\_  
L. O. Van Ryan  
District Production Manager

REF \_\_\_\_\_  
Date \_\_\_\_\_



**Southland Royalty Company**

August 15, 1980

Oil Conservation Division  
Mr. Frank Chavez  
1000 Rio Brazos Road  
Aztec, NM 87410

RE: Blowout Preventer Plan

Dear Mr. Chavez:

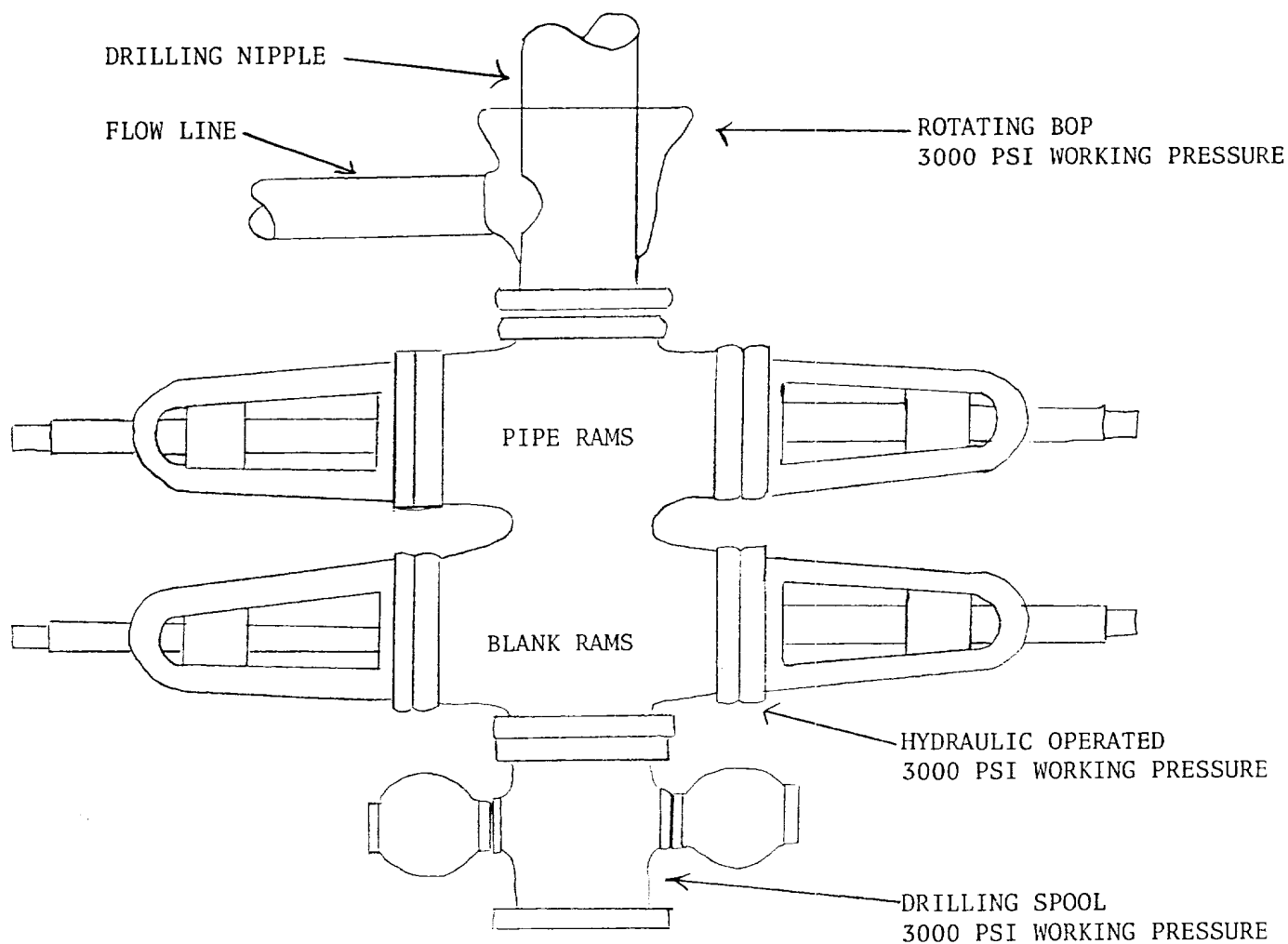
All drilling and completion rigs will be equipped with 6" or larger double gate hydraulic blowout preventers and a hydraulic operated closing unit with steel lines.

The preventer is 3000# working pressure and 6000# test 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

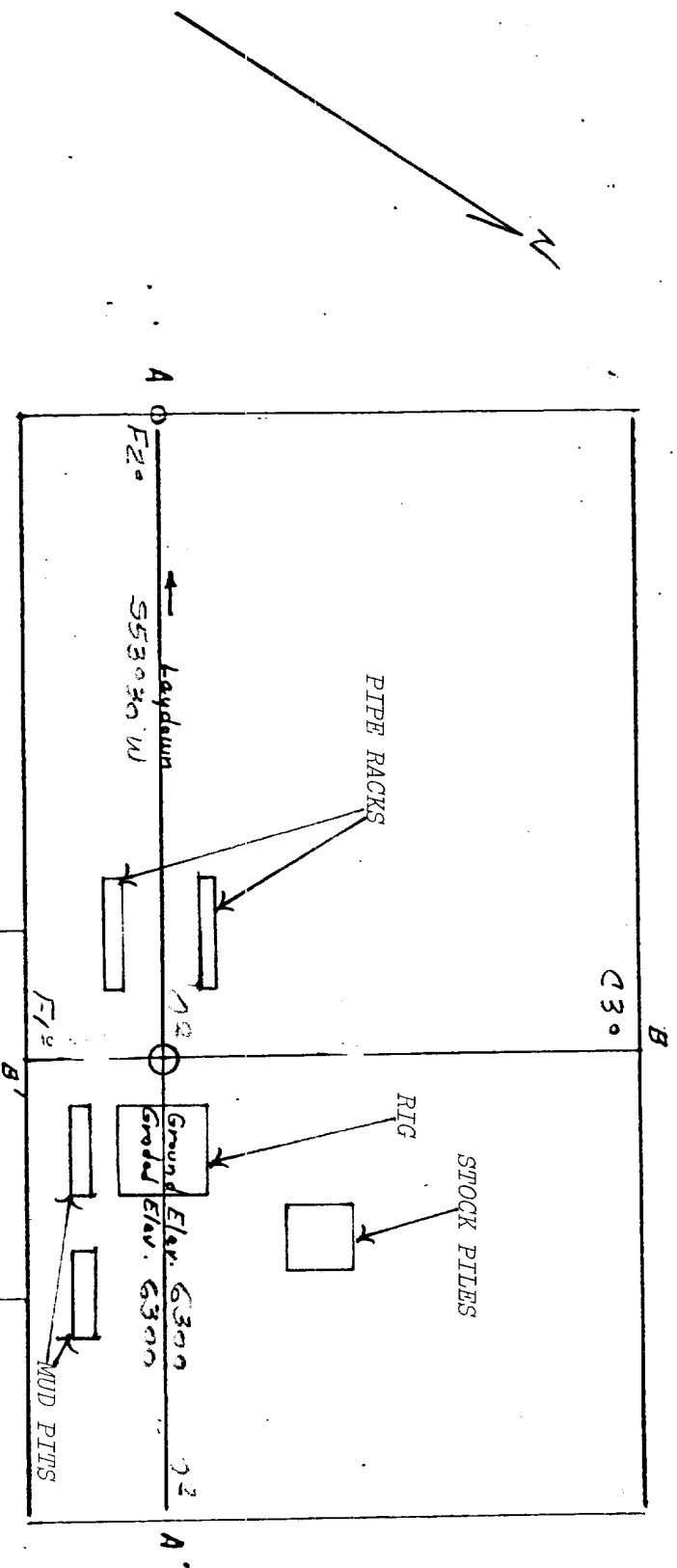
Robert E. Fielder  
District Engineer



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

Southland Royalty Company  
Chamberlain #2  
790' FNL & 790' FEL  
Section 14, T32N, R12W  
San Juan County, NM

Location Profile for  
 SOUTHLAND ROYALTY COMPANY #2 CHAMBERLIN  
 790' FNL 790' FEL Sec. 14-T32N-R12W  
 SAN JUAN COUNTY, NEW MEXICO



Vert. 1"=40'      A-A'      Horiz: 1"=100'

G310				
G300				
G290				

B-B'      E

G310				
G300				
G290				

Vert. 1"=40'      C-C'      Horiz: 1"=100'


D-D'      E