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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

30-039-22937

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"/>		8. Farm or Lease Name Johnson	
OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		9. Well No. 1-A	
2. Name of Operator Southland Royalty Company		10. Field and Pool, or Wildcat Blanco Mesaverde	
3. Address of Operator P.O. Drawer 570, Farmington, New Mexico 87401		11. County Rio Arriba	
4. Location of Well UNIT LETTER <u>H</u> LOCATED <u>1530</u> FEET FROM THE <u>North</u> LINE AND <u>920</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>7</u> TWP. <u>25N</u> RGE. <u>3W</u> NMPM		12. County Rio Arriba	
19. Proposed Depth 6020'		19A. Formation Mesaverde	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 7198' KB	
21A. Kind & Status Plug. Bond		21B. Drilling Contractor Four Corners Drilling	
22. Approx. Date Work will start June 15, 1982			

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	9-5/8"	32.30#	200'	110 sacks	Surface
8-3/4"	7"	20#	4080'	270 sacks	Cover Ojo Alamo
6-1/4"	4-1/2"	10.50#	6020'	250 sacks	Circ liner top

Surface formation is San Jose.

Top of Ojo Alamo sand is at 3283'.

Top of Pictured Cliffs sand is at 3683'.

Fresh water mud will be used to drill from surface to Intermediate Total Depth, and an air system will be used from Intermediate Total Depth to Total Depth..

It is anticipated that an IES and GR-Density will be run from Intermediate Depth to Surface casing and GR-Induction and GR-Density be run from Total Depth to Intermediate Casing.

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

It is expected that this well will be drilled before August 1, 1982.

This depends on time required for approvals, rig availability and the weather.
Gas is dedicated.

APPROVAL VALID
FOR 60 DAYS UNLESS
RENEWED OR COMMENCED

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PROPOSED PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

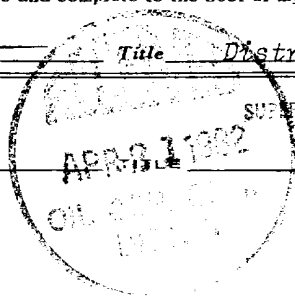
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed R. E. Fiddle Title District Engineer Date April 16, 1982

(This space for State Use)

APPROVED BY Frank J. Perry DATE APR 21 1982

CONDITIONS OF APPROVAL, IF ANY:

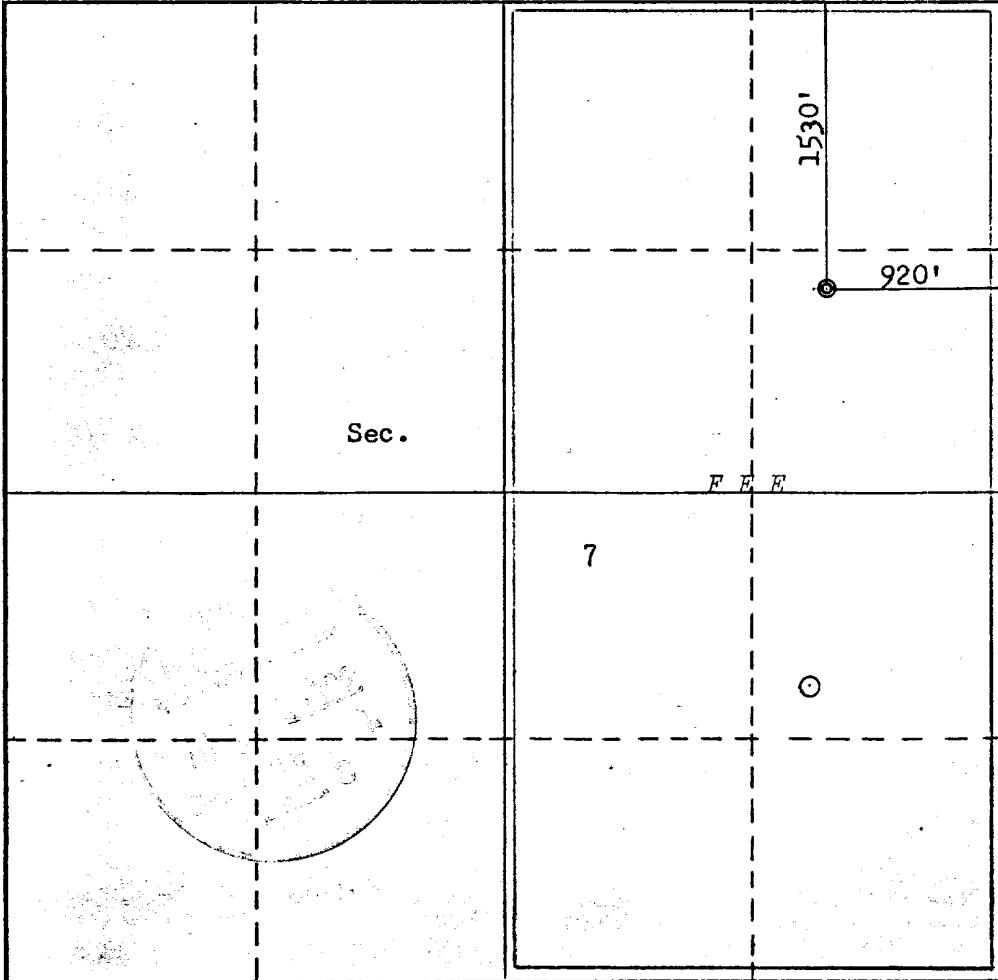


OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-78

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

Operator SOUTHLAND ROYALTY COMPANY			Lease JOHNSON		Well No. 1A
Unit Letter H	Section 7	Township 25N	Range 3W	County Rio Arriba	
Actual Footage Location of Well: 1530 feet from the North line and 920 feet from the East line					
Ground Level Elev. 7186	Producing Formation Mesa Verde		Pool Blanco	Dedicated Acreage: 320 Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.</p> <p>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).</p> <p>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?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes," type of consolidation _____</p> <p>If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____</p> <p>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.</p>					

	CERTIFICATION
	<p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>R. E. Fielder</i></p> <p>Name R. E. Fielder</p> <p>Position District Engineer</p> <p>Company Southland Royalty Company</p> <p>Date April 16, 1982</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 January 1982</p> <p>Registered Professional Engineer and/or Land Surveyor <i>Fred B. Kerr Jr.</i> Fred B. Kerr Jr.</p> <p>Certificate No. 3950</p>

SOUTHLAND ROYALTY COMPANY - DRILLING SCHEDULE

JOHNSON #1-A

1530' FNL & 920' FEL
Section 7, T25N, R3W
Rio Arriba County, New Mexico

Field: Blanco Mesa Verde

Elevation: 7198' KB

Geology:

Formation Tops:	Ojo Alamo	3283'	Chacra	4589'
	Fruitland	3593'	Cliff House	5315'
	Pictured Cliffs	3683'	Point Lookout	5840'
			Total Depth	6020'*

*NOTE: IF HOLE GETS WET ADD 50' TO TOTAL DEPTH.

Logging Program: IES and GR-Density from Intermediate Depth to surface;
GR-Induction and GR-Density from Total Depth to Intermediate casing.

Drilling:

Contractor:

Total Pusher:

SRC Representative:

SRC Answering Service: 325-1841

Dispatch Number: 325-7391

Mud Program:

Fresh water mud to Intermediate.
Air drill to Total Depth.

Materials:

Casing Program:	<u>Hole Size</u>	<u>Depth Set</u>	<u>Casing Size</u>	<u>Weight and Grade</u>	
	12-1/4"	200'	9-5/8"	32.30#	H-40
	8-3/4"	4080'	7"	20#	K-55
	6-1/4"	6020'	4-1/2"	10.50#	K-55

Float Equipment:

9-5/8" Surface Casing: Cement-nosed guide shoe.

7" Intermediate Casing: Bakerline guide shoe. Run self-fill insert float collar valve two joints above shoe with five (5) Bakerline rigid stabilizers, one (1) every other joint above shoe.

4-1/2" Liner: Brown Hyflo Hanger-Packer, set shoe and landing collar.

Wellhead Equipment: 9-5/8" X 10", 2000# casinghead with 7" hanger.
10", 2000# X 6" tubinghead and tree

Cement Program:

- 9-5/8" Surface Casing: 110 sacks (160 cu.ft.) of Class "B" with 1/4# celloflake per sack and 3% CaCl_2 . WOC 12 hours. Test to 600 psi before drilling out.
(Volume is 100% excess to circulate.)
- 7" Intermediate Casing: 220 sacks (326 cu.ft.) of 50/50 Class "B" Poz with 6% gel and 1/4# celloflake per sack (12.8 ppg), tail by 50 sacks of Class "B" with 2% CaCl_2 and 1/4# celloflake per sack (60 cu.ft.). WOC 12 hours. Test to 1000 psi before drilling out.
Run temperature survey after 8 hours.
- 4-1/2" Liner: Flush with 20 bbls gelled water ahead of cement. Cement with 250 sacks (300 cu.ft.) 50/50 Class "B" Poz with 6% gel and .6% FLAC or Halad 9. (Volume is 70% excess to circulate liner. If hole gets wet use 100% excess.)

C. C. Parsons
District Production Manager

TH/eg
R&F
4/16/82



Southland Royalty Company

April 16, 1982

*Mr. Frank Chavez
Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 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.

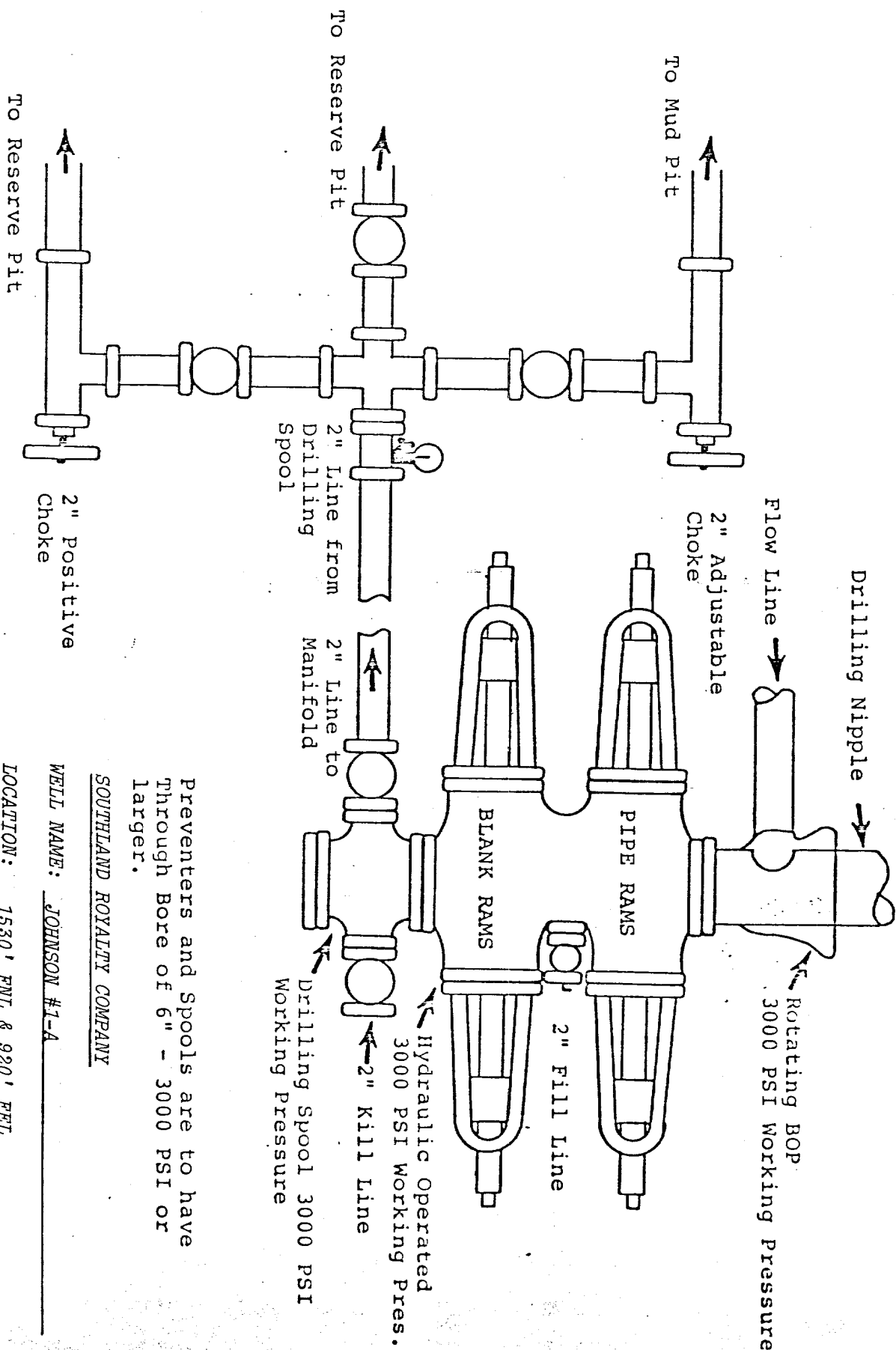
Sincerely,

SOUTHLAND ROYALTY COMPANY

*R. E. Fielder
District Engineer*

REF/eg

Attachment



Preventers and Spools are to have Through Bore of 6" - 3000 PSI or larger.

SOUTHLAND ROYALTY COMPANY

WELL NAME: JOHNSON #1-A

LOCATION: 1530' FNL & 920' FEL

Section 7, T25N, R3W

COUNTY: Rio Arriba

STATE: New Mexico

SOUTHLAND ROYALTY COMPANY #1A JOHNSON

1530' FNL 920' FEL Sec. 7-T25N-R3W

RIO ARriba COUNTY, NEW MEXICO

