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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

30-045-25695

5A. Indicate Type of Lease STATE ☐ FEE ☒

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

b. Type of Well
DRILL ☒ DEEPEN ☐ PLUG BACK ☐
OIL WELL ☐ GAS WELL ☒ OTHER SINGLE ZONE ☒ MULTIPLE ZONE ☐

7. Unit Agreement Name

8. Farm or Lease Name
Moore

2. Name of Operator
Southland Royalty Company

9. Well No.
1E

3. Address of Operator
P. O. Drawer 570, Farmington, New Mexico 87499

10. Field and Pool, or Wildcat
Basin Dakota

4. Location of Well UNIT LETTER O LOCATED 1060 FEET FROM THE South LINE AND 1850 FEET FROM THE East LINE OF SEC. 35 TWP. 32N RGE. 12W NMPM

12. County
San Juan

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
7630'	Dakota	Rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
6350' GL	----	-----	July 1, 1983

23.

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#, H-40	200'	125 cu.ft.	Circ to surface
8-3/4"	7"	23#, K-55	5100'	146 cu.ft. (Stge 1)	Cliff House
				438 cu.ft. (Stge 2)	Ojo Alamo
6-1/4"	4-1/2"	10.50#, K-55	4950'-6800'		
		11.60#, K-55	6800'-7630'	474 cu.ft.	

Surface formation is Nacimiento.
Top of Ojo Alamo sand is at 1068'.
Top of Pictured Cliffs sand is at 2807'.
Fresh water mud will be used to drill to intermediate total depth, and an air system will be used to drill from intermediate total depth to total depth.
It is anticipated that an IES and GR-Density logs will be run at intermediate total depth to surface casing and an GR-Induction and GR-Density logs will 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 July 31, 1983.
This depends on time required for approvals, 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. 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. Fields Title District Engineer Date April 25, 1983

(This space for State Use)

APPROVED BY Frank T. Chavez TITLE SUPERVISOR DISTRICT # 3 DATE Oct. 27, 1983

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

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

Operator	Lease	Well No.
Southland Royalty Company	Moore	1E

Unit Letter	Section	Township	Range	County
O	35	32N	12W	San Juan

Actual Footage Location of Well:
1060 feet from the South line and 1850 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5350	Dakota	Basin	E 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

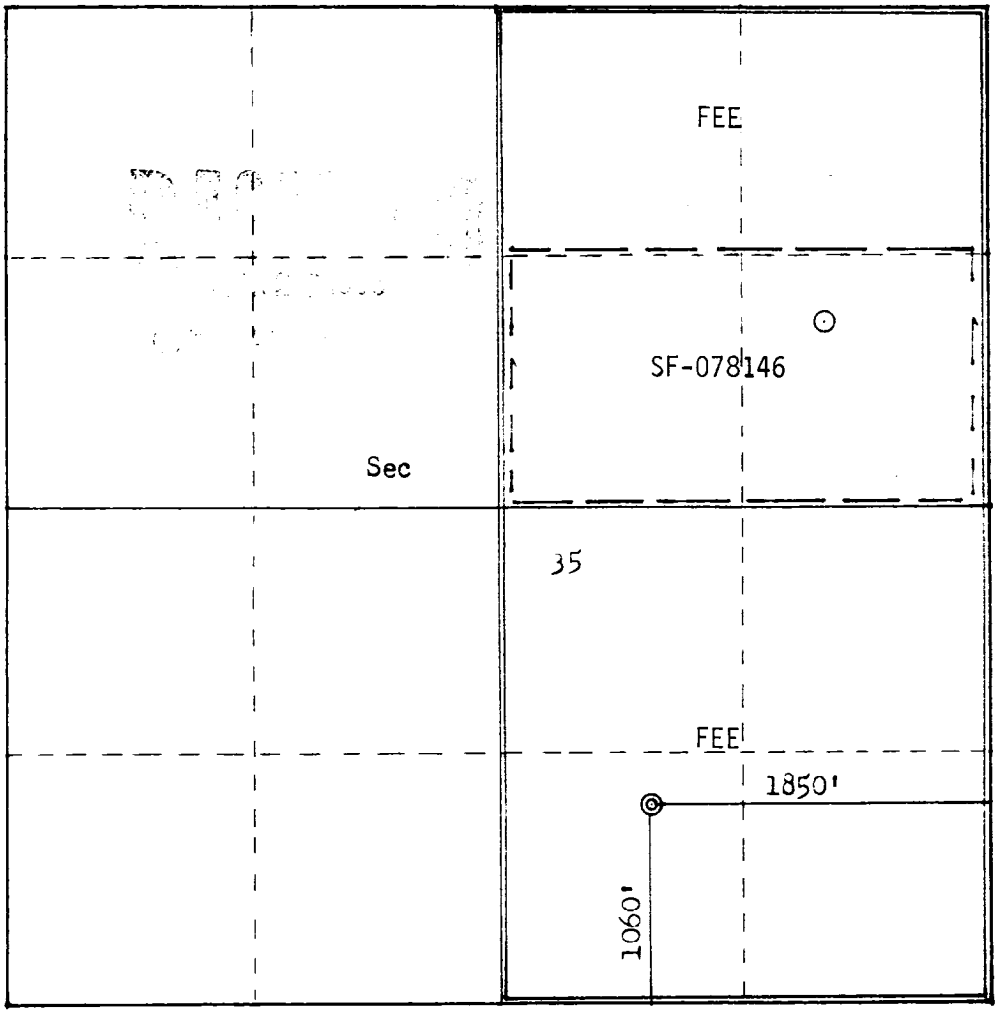
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 communitization

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: R. E. Fielder

Position: District Engineer

Company: Southland Royalty Company

Date: April 25, 1983

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.

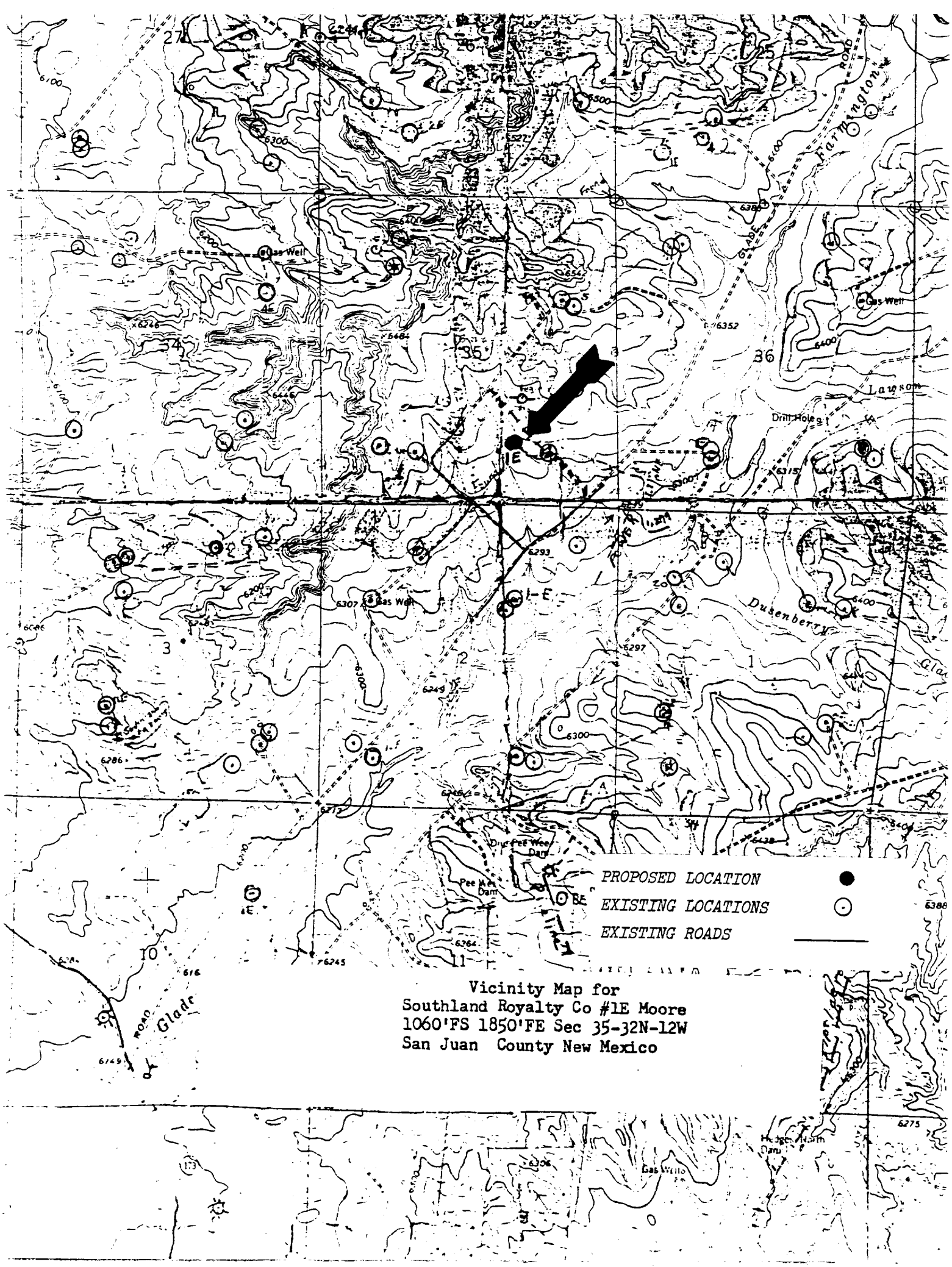
Date Surveyed: February 7, 1983

Registered Professional Engineer and Land Surveyor

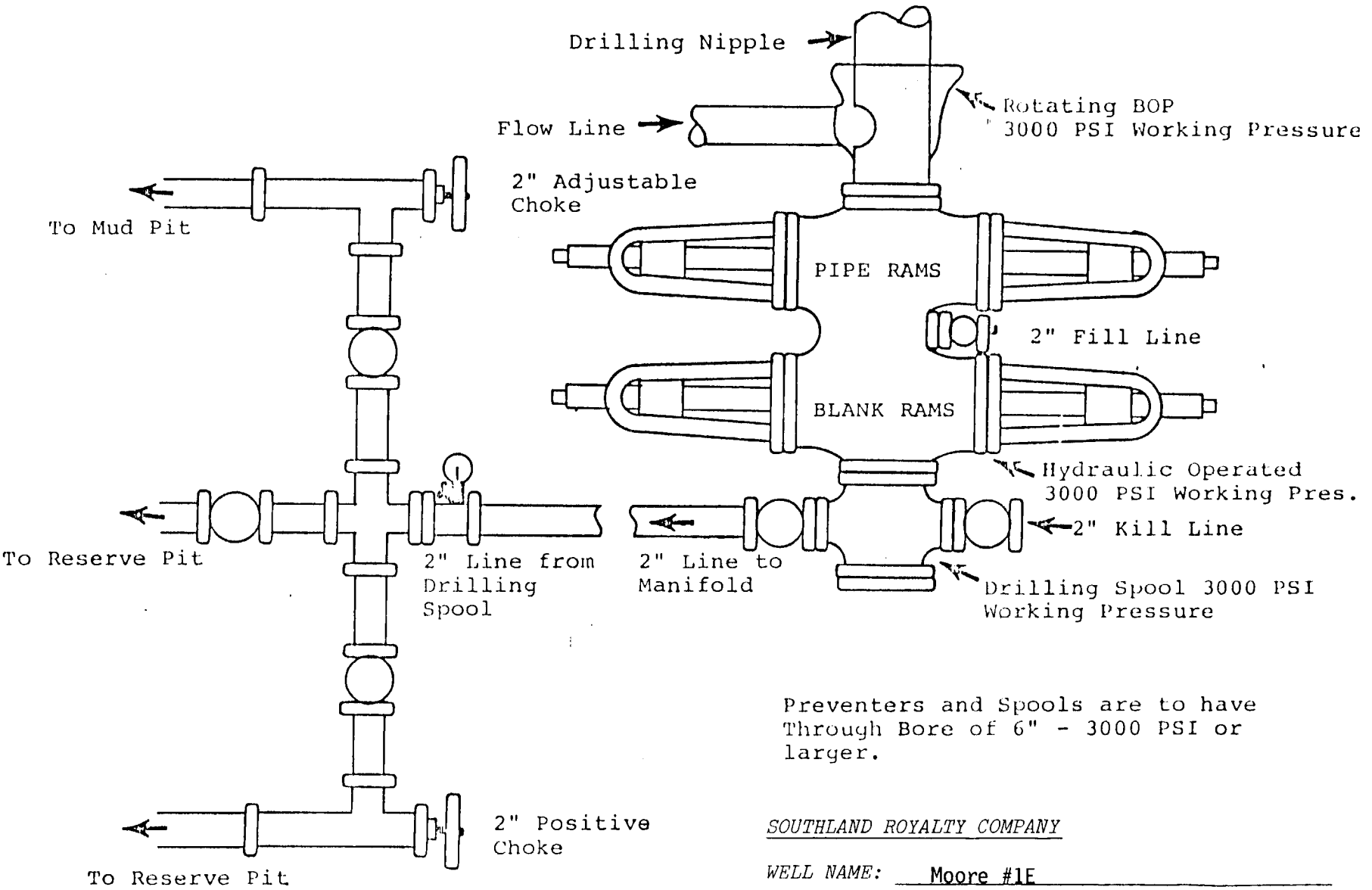
Fred B. Kerr Jr.

Certificate No. 3950

FORM 24-11



Vicinity Map for
Southland Royalty Co #1E Moore
1060'FS 1850'FE Sec 35-32N-12W
San Juan County New Mexico



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

SOUTHLAND ROYALTY COMPANY

WELL NAME: Moore #1E

LOCATION: 1060' FSL & 1850' FEL

Section 35, T32N, R12W

COUNTY: San Juan

STATE: New Mexico

Float Equipment:

9-5/8" Surface Casing:	Bakerline cement-nose guide shoe.
7" Intermediate Casing:	Bakerline cement-nose guide shoe. Bakerline self-fill float collar, run 2 joints above shoe. Five centralizers run every other joint above shoe. Run stage collar at 3010'. Run one cement basket below stage collar, and five centralizers every other joint above stage collar.
4-1/2" Liner:	Liner hanger with neoprene pack off. Bakerline guide shoe and flapper float collar.
Wellhead Equipment:	9-5/8" X 10", 2000# casing head with 7" casing hanger. 10", 2000# X 6", 2000# tubing head and tree.

Cement Program:

9-5/8" Surface Casing:	110 sacks (125 cu.ft.) of Class "B" with 1/4# flocele per sack and 3% $CaCl_2$. WOC 12 hours. Test to 600 psi prior to drilling out. (Volume is 100% excess.)
7" Intermediate Casing:	Stage One 60 sacks (87 cu.ft.) 50/50 Class "B" Poz with 6% gel (mixed with 7.2 gals water per sack), followed by 50 sacks (59 cu.ft.) of Class "B" with 2% $CaCl_2$. (Volume is 50% excess to cover top of Cliff House.) Stage Two 240 sacks (355 cu.ft.) of 50/50 Class "B" Poz with 6% gel, followed by 70 sacks (83 cu.ft.) of Class "B" with 2% $CaCl_2$. (Volume is 50% excess to cover top Ojo Alamo.) WOC and circulate between stages as required by well conditions. Circulate at least 2 hours between stages. WOC 12 hours. Test to 1000 psi prior to drilling out.
4-1/2" Liner:	320 sacks (474 cu.ft.) of 50/50 Poz, with 6% gel, 1/4# flocele per sack and 0.6% Halad 9 or equivalent, and 6-1/4# per sack gilsonite. (Volume is 70% excess.) If hole gets wet use 100% excess 375 sacks (555 cu.ft.). Precede cement with 20 barrels chemical wash.

C. C. Parsons
District Production Manager

JLZ/REF/eg
4/25/83