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NEW MEXICO OIL CONSERVATION COMMISSION

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JUN 11 1984

OIL CON. DIV.

Form C-101
Revised 1-1-65

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 DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name Hawk Federal
2. Name of Operator Southland Royalty Company		9. Well No. 3
3. Address of Operator P. O. Drawer 570, Farmington, New Mexico 87499		10. Field and Pool, or Wildcat Basin Dakota Gavilan Mancos
4. Location of Well UNIT LETTER <u>K</u> LOCATED <u>1835</u> FEET FROM THE <u>South</u> LINE AND <u>1690</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>35</u> TWP. <u>25N</u> RGE. <u>2W</u> NMPM		12. County Rio Arriba
19. Proposed Depth 7950'		19A. Formation Dakota/Mancos
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 7274' GL
21A. Kind & Status Plug. Bond ---		21B. Drilling Contractor ---
22. Approx. Date Work will start Sept. 15, 1984		

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"	New 9-5/8"	32.30#, H-40	400'	250 cu.ft.	Circ to surface
8-3/4"	*		3700'		
7-7/8"	New 5-1/2"	15.50#, K-55	3700'-7000'	Stg 1: 629 cu.ft.	Gallup
7-7/8"	New 5-1/2"	17#, K-55	7000'-7950'	Stg 2: 187 cu.ft.	Cliff House
				Stg 3: 547 cu.ft.	Nacimiento

Surface formation is San Jose.

Top of Nacimiento sand is at 2370'.

Top of Pictured Cliffs sand is at 3555'.

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

It is anticipated that an IEL will be run from total depth to surface casing and an GR-CNL/FDC will be run from total depth to surface casing.

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

It is expected that this well will be drilled before September 30, 1984

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

Gas is not dedicated.

APPROVAL EXPIRES 12-11-84

UNLESS DRILLING IS COMMENCED.

SPUD NOTICE MUST BE SUBMITTED

WITHIN 10 DAYS

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 [Signature] Title District Operations Engineer Date June 6, 1984

(This space for State Use)

Original Signed by CHARLES GHOLSON

TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3

JUN 11 1984

APPROVED BY

TITLE

DATE

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-107
Revised 10-1-78

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

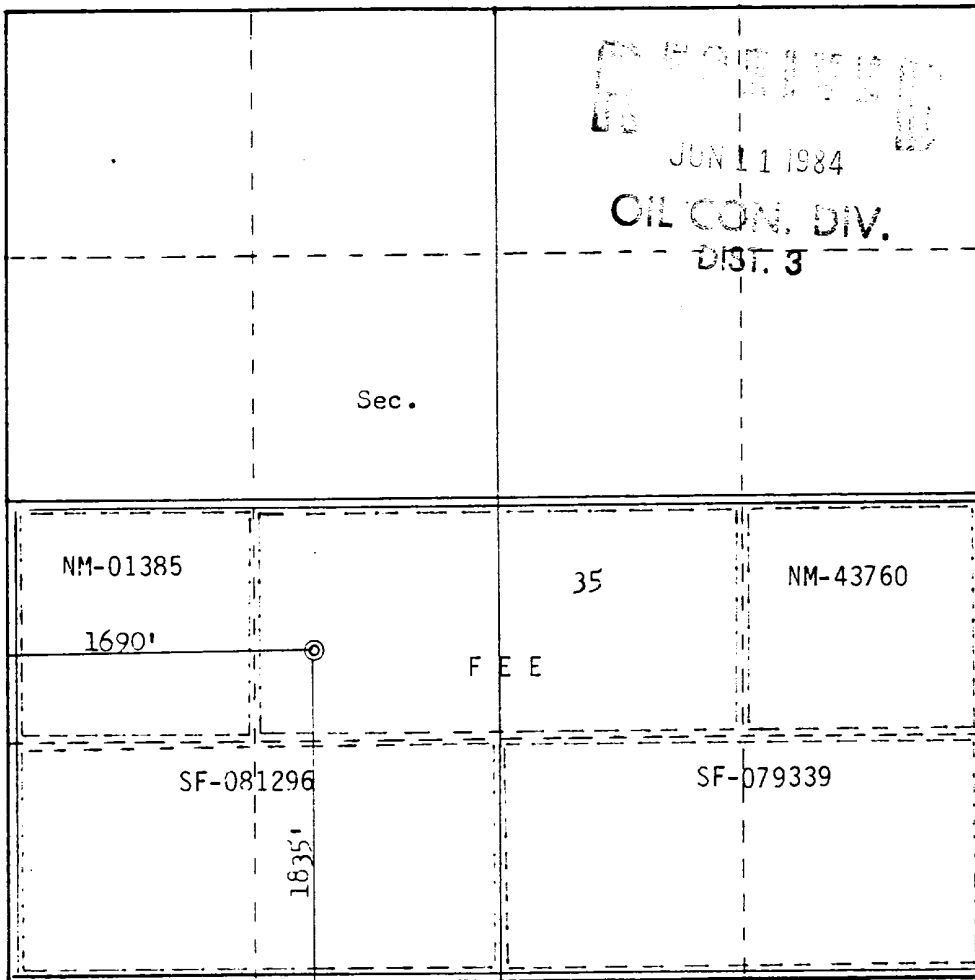
Operator SOUTHLAND ROYALTY COMPANY			Lease HAWK FEDERAL		Well No. 3
Unit Letter K	Section 35	Township 25N	Range 2W	County Rio Arriba	
Actual Footage Location of Well: 1835 feet from the South line and 1690 feet from the West line					
Ground Level Elev: 7274' GL	Producing Formation Dakota/Mancos		Pool Dakota/Gavilan		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 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.

Name
C. Terry Hobbs

Position
District Operations Engineer

Company
Southland Royalty Company

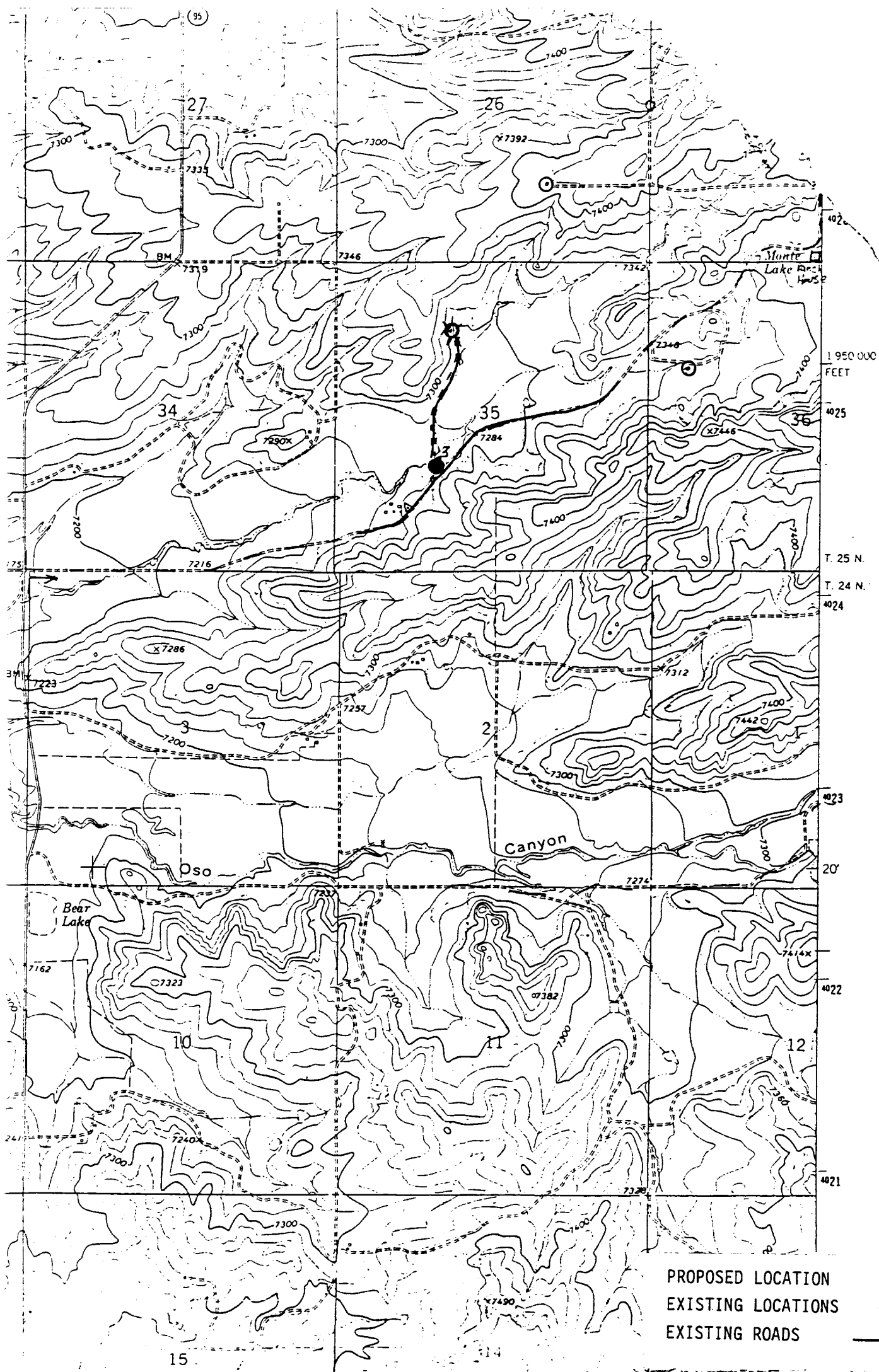
Date
June 6, 1984

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
April 26, 1984

Registered Professional Engineer and Land Surveyor
Fred B. Kerr Jr.

Certificate No. **3950**



Vicinity Map for
SOUTHLAND ROYALTY COMPANY #3 HAWK FEDERAL
1835'FSL 1690'FWL Sec. 35-T25N-R2W
RIO ARriba COUNTY, NEW MEXICO