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NEW MEXICO OIL CONSERVATION COMMISSION

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APR 21 1983

36-139-23206

Form C-101
Revised 1-1-65

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

| | | | | | |
|--|--|--|--|----------------------------------|--|
| 1a. Type of Work | | DIST. 3 | | 7. Unit Agreement Name | |
| b. Type of Well | | PLUG BACK <input type="checkbox"/> | | 8. Farm or Lease Name | |
| OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER | | SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> | | Hawk Federal | |
| 2. Name of Operator | | | | 9. Well No. | |
| Southland Royalty Company | | | | 1 | |
| 3. Address of Operator | | | | 10. Field and Pool, or Wildcat | |
| P. O. Drawer 570, Farmington, New Mexico 87499 | | | | Gavilan Pictured Cliffs | |
| 4. Location of Well | | | | 12. County | |
| UNIT LETTER A LOCATED 790 FEET FROM THE North LINE | | | | Rio Arriba | |
| AND 1090 FEET FROM THE East LINE OF SEC. 35 TWP. 25N RGE. 2W NMPM | | | | | |
| 19. Proposed Depth | | 19A. Formation | | 20. Rotary or C.T. | |
| 3520' | | Pictured Cliffs | | Rotary | |
| 21. Elevations (Show whether DF, RT, etc.) | | 21A. Kind & Status Plug. Bond | | 22. Approx. Date Work will start | |
| 7321' GL | | ----- | | May 15, 1983 | |

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#, K-55 | 200' | 165 cu.ft. | Circ to surface |
| 7-7/8" | | | 3250' | | |
| 6-1/4" | 2-7/8" | 6.5#, K-55 | 3520' | 398 cu.ft. | Cover Nacimiento |

Surface formation is San Jose.

Top of Ojo Alamo sand is at 2915'.

Top of Pictured Cliffs sand is at 3400'.

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

It is anticipated that an IEL and GR-Density 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 May 31, 1983.

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

Gas is not dedicated.

APPROVAL BY *October 21, 1983*
UNLESS OTHERWISE SPECIFIED
SPUD DATE
WITHIN 60 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 Engineer Date April 20, 1983

(This space for State Use)

APPROVED BY *[Signature]* 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. 1 |
| Unit Letter A | Section 35 | Township 25N | Range 2W | County Rio Arriba | |
| Actual Footage Location of Well: 790 feet from the North line and 1090 feet from the East line | | | | | |
| Ground Level Elev. 7321' GL | Producing Formation Pictured Cliffs | | Pool Gavilan Ext. | | Dedicated Acreage 160 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.

| | | | |
|---|--|---|--|
| <div style="text-align: center;">Sec.</div> | | <div style="text-align: center;">FEE</div> | |
| | | <div style="text-align: center;">NM-43760</div> | |
| <div style="text-align: center;">35</div> | | <div style="text-align: center;">790'</div> | |
| | | <div style="text-align: center;">1090'</div> | |

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

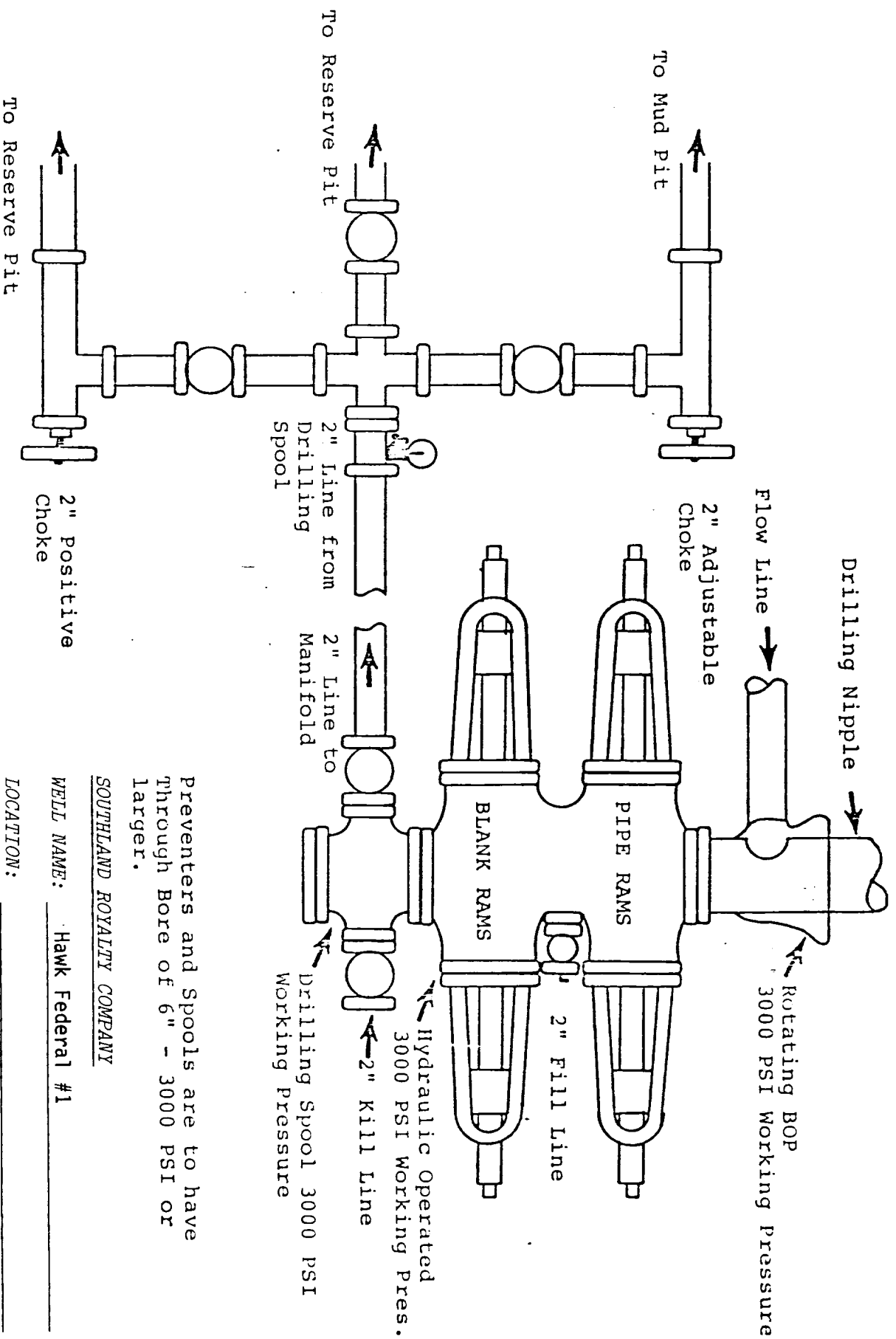
Date
April 20, 1983

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
April 19, 1983

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

Certificate No. **3950**



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

SOUTHLAND ROYALTY COMPANY

WELL NAME: Hawk Federal #1

LOCATION: _____

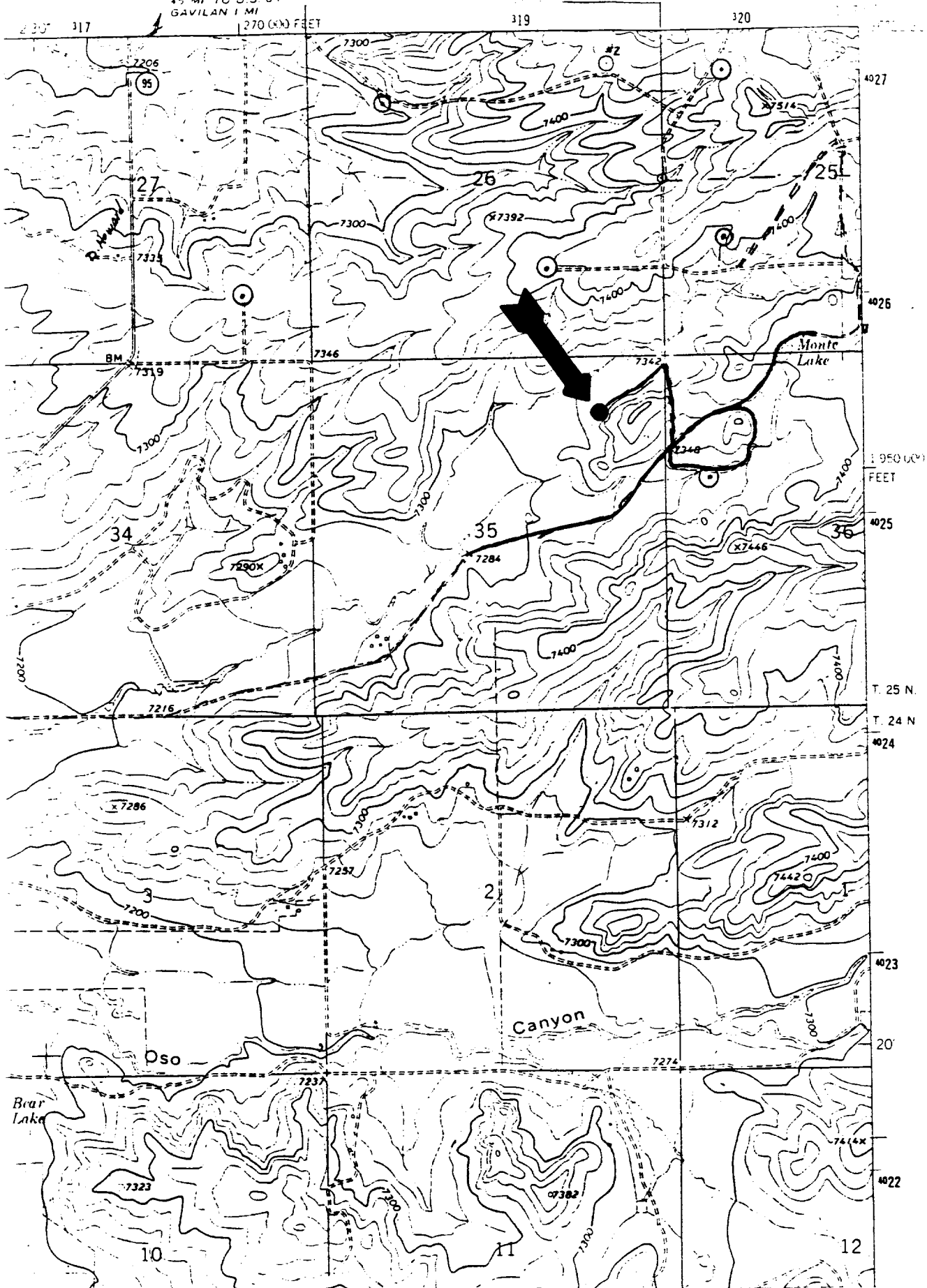
Section 35, T25N, R2W

COUNTY: Rio Arriba

STATE: New Mexico

LINDRITH QUADRANGLE
NEW MEXICO-RIO ARriba CO
7.5 MINUTE SERIES (TOPOGRAPHIC)

45 MI TO U.S. 84
GAVILAN 1 MI
270 (XX) FEET



PROPOSED LOCATION