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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

30-045-25670

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<br>b. Type of Well<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/><br>SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |  | 7. Unit Agreement Name                                    |  |
| 2. Name of Operator<br>Amoco Production Company  |  | 8. Farm or Lease Name<br>Abrams "L"                       |  |
| 3. Address of Operator<br>501 Airport Drive, Farmington, NM 87401  |  | 9. Well No.<br>1  |  |
| 4. Location of Well<br>UNIT LETTER M LOCATED 330 FEET FROM THE west LINE<br>AND 330 FEET FROM THE south LINE OF SEC. 26 TWP. 29N RGE. 10W NMPM   |  | 10. Field and Pool, or Wildcat<br>Armenta Gallup          |  |
| 12. County<br>San Juan   |  |   |  |
| 19. Proposed Depth<br>5850'  |  | 19A. Formation<br>Gallup                                  |  |
| 20. Rotary or C.T.<br>Rotary   |  |   |  |
| 21. Elevations (Show whether DF, RT, etc.)<br>5543' GL   |  | 21A. Kind & Status Plug. Bond<br>statewide                |  |
| 21B. Drilling Contractor<br>unknown  |  | 22. Approx. Date Work will start<br>As soon as permitted. |  |

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|----------|
| 14-3/4"      | 11-3/4"        | H-40 42#        | 300'          | 51 sx           | surface  |
| 9-7/8"       | 8-5/8"         | H-40 24#        | 3450'         | 380 sx          | surface  |
| 7-7/8"       | 5-1/2"         | K-55 15.5#      | 5850          | 370 sx          | 2000'    |

Amoco proposes to drill the above well to further develop the Armenta Gallup reservoirs. The well will be drilled to the surface casing point using native mud. The well will then be drilled to TD with a low solids non-dispersed mud system. Completion design will be based on open hole logs. Copies of all logs will be filed upon completion. Amoco's standard blowout prevention will be employed; see attached drawing for blowout preventer design.

The gas produced from this well is dedicated to El Paso Natural Gas Company.

APPROVAL EXPIRES October 18, 1983  
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 Frank J. Day Title District Engineer Date 4/14/83

(This space for State Use)

SUPERVISOR DISTRICT # 3

APPROVED BY Frank J. Day TITLE District Engineer DATE APR 18 1983

CONDITIONS OF APPROVAL, IF ANY:

# OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107  
Revised 10-1-78

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

|   |                                      |                                     |                               |   |                                       |
|---|--------------------------------------|-------------------------------------|-------------------------------|---|---------------------------------------|
| Operator<br><b>AMOCO PRODUCTION COMPANY</b> |                                      |                                     | Lease<br><b>ABRAMS "L"</b>    |   | Well No.<br><b>1</b>                  |
| Unit Letter<br><b>4</b>                     | Section<br><b>26</b>                 | Township<br><b>29N</b>              | Range<br><b>10W</b>           | County<br><b>San Juan</b>                 |                                       |
| Actual Footage Location of Well:            |                                      |                                     |                               |   |                                       |
| <b>330</b>                                  |                                      | feet from the <b>South</b> line and |                               | <b>330</b> feet from the <b>West</b> line |                                       |
| Ground Level Elev:<br><b>5543</b>           | Producing Formation<br><b>Gallup</b> |                                     | Pool<br><b>Armenta Gallup</b> |   | Dedicated Acreage:<br><b>40</b> 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 \_\_\_\_\_

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="border: 1px dashed black; width: 80%; margin: auto; padding: 10px;"> <div style="text-align: center;"> <div style="font-size: 2em; font-weight: bold; margin-bottom: 5px;">RECEIVED</div> <div style="font-size: 1.2em; margin-bottom: 5px;">APR 20 1983</div> <div style="font-size: 1.5em; font-weight: bold; margin-bottom: 5px;">OIL CON. DIV.</div> <div style="font-size: 1.2em; font-weight: bold;">DIST. 3</div> </div> </div>             | <div style="border: 1px dashed black; width: 80%; margin: auto; padding: 10px;"> <div style="text-align: center;"> <div style="font-size: 1.5em; font-weight: bold; margin-bottom: 5px;">Sec.</div> </div> </div> | <div style="border: 1px dashed black; width: 80%; margin: auto; padding: 10px;"> <div style="text-align: center;"> <div style="font-size: 1.5em; font-weight: bold; margin-bottom: 5px;">26</div> </div> </div> |
| <div style="position: relative; width: 100%; height: 100%;"> <div style="position: absolute; left: 0; bottom: 0; width: 50px; height: 50px; border: 1px solid black; border-radius: 50%; text-align: center; line-height: 50px;"> <div style="position: absolute; top: -10px; left: 50%; transform: translate(-50%, -100%);">330'</div> <div style="position: absolute; bottom: -10px; left: 50%; transform: translate(-50%, -100%);">330'</div> </div> </div> |   |   |

## CERTIFICATION

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

*Dale H. Shoemaker*

Name  
**Dale H. Shoemaker**

Position  
**District Engineer**

Company  
**Amoco Production Company**

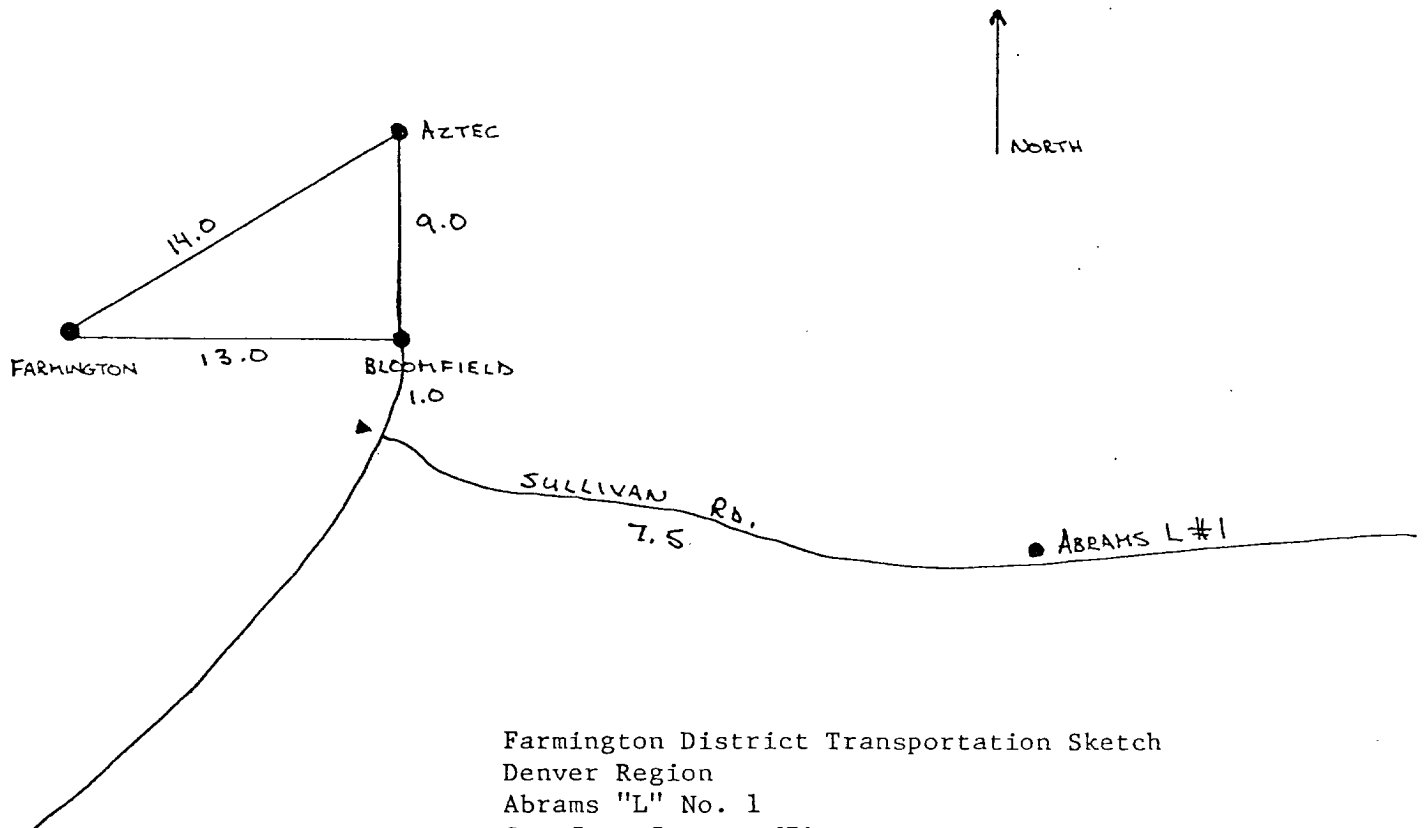
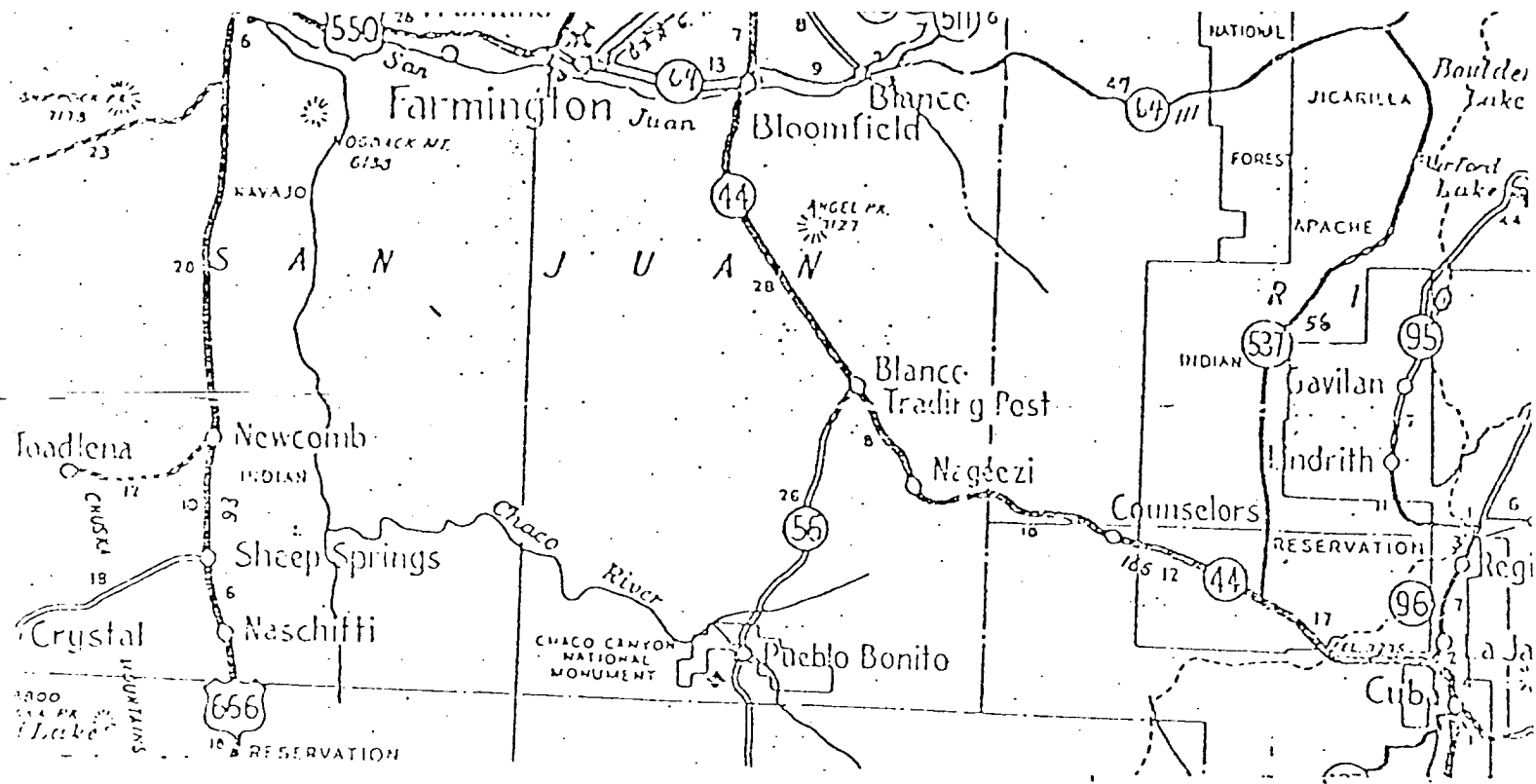
Date  
**April 14, 1983**

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 5, 1983**

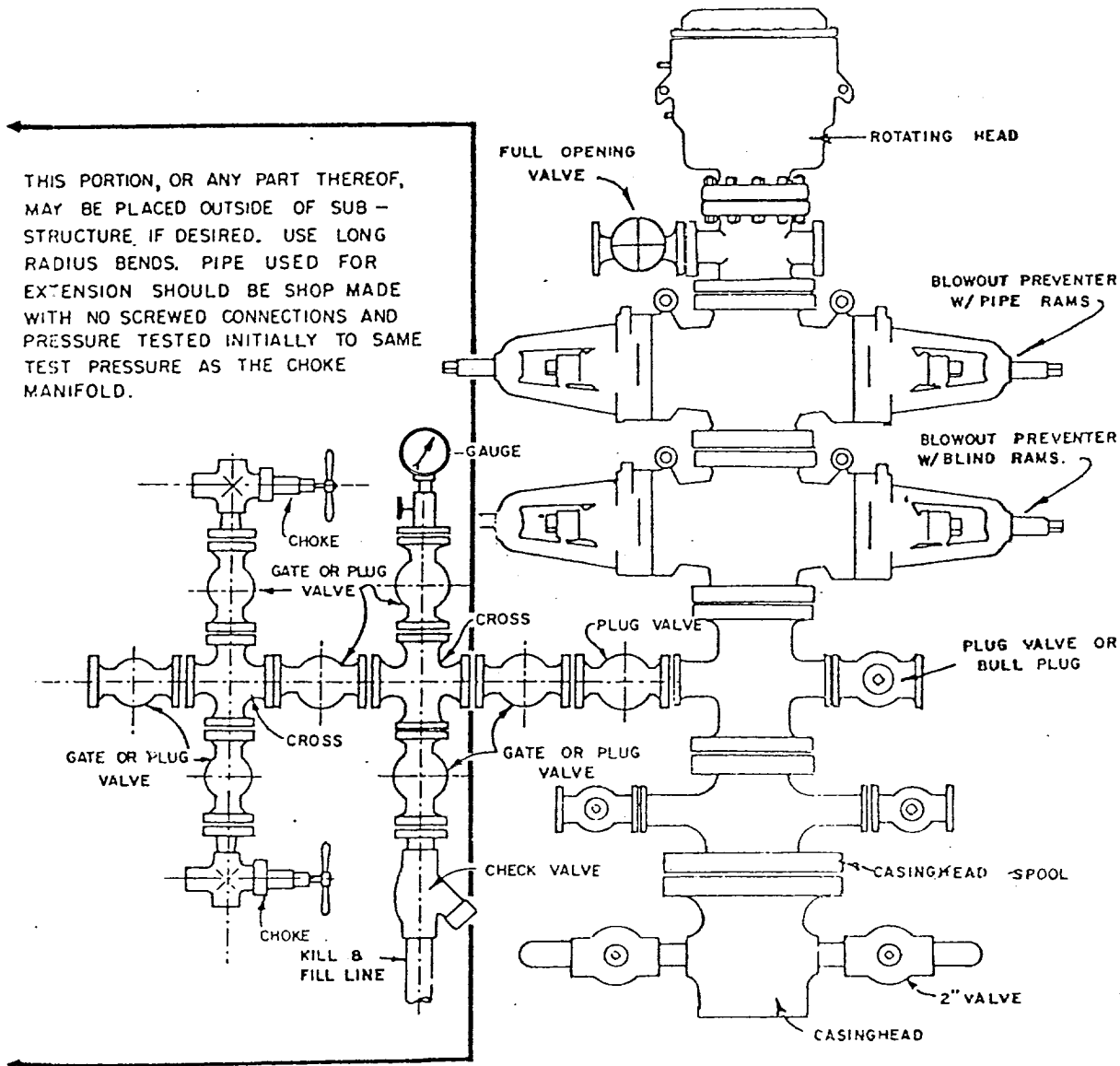
Registered Professional Engineer and Land Surveyor  
*Fred B. Kerr Jr.*  
**Fred B. Kerr Jr.**

Certificate No. \_\_\_\_\_



Farmington District Transportation Sketch  
 Denver Region  
 Abrams "L" No. 1  
 San Juan County, NM  
 Amoco WI: 100%  
 Rail Point: Gallup, NM 145 miles  
 Mud Point: Aztec, NM 18 miles  
 Cement Point: Farmington, NM 22 miles

1. Blowout Preventers and Master Valve to be fluid operated, and all fittings must be in good condition.
2. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
3. Nipple above Blowout Preventer shall be same size or larger than BOP being drilled through.
4. All fittings to be flanged.
5. Onsco or comparable safety valve must be available on rig floor at all times with proper connection or sub. The I.D. of safety valve should be as great as I.D. of tool joints of drill pipe, or at least as great as I.D. of drill collars.



## BLOWOUT PREVENTER HOOKUP

API Series # 900

EXHIBIT D-4

OCTOBER 16, 1969

Operation of BOP by closing both pipe and blind rams will be tested each trip or, on long bit runs, pipe rams will be closed once each 24 hours.