

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION  
P. O. BOX 7000  
SANTA FE, NEW MEXICO 87501-0003

|                        |  |
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30045-25743

Form C-101  
Revised 10-1-78

5A. Indicate Type of Lease  
STATE ☐ FEE ☒  
5. Lease Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|  |  |  |  |
|--|--|--|--|
| 1a. Type of Work<br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>   |  | 7. Unit Agreement Name                                     |  |
| 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"/> |  | 8. Term or Lease Name<br>Pollock Com 'E'                   |  |
| 2. Name of Operator<br>Amoco Production Co.  |  | 9. Well No.<br>1   |  |
| 3. Address of Operator<br>501 Airport Drive Farmington, NM   |  | 10. Field and Pool, or Wildcat<br>Armenta Gallup           |  |
| 4. Location of Well<br>UNIT LETTER <u>P</u> LOCATED <u>860</u> FEET FROM THE <u>south</u> LINE<br>AND <u>805</u> FEET FROM THE <u>east</u> LINE OF SEC. <u>28</u> TWP. <u>29N</u> R. <u>10W</u> NMAPM                      |  | 11. County<br>San Juan                                     |  |
| 18. Proposed Depth<br>5900'  |  | 19A. Formation<br>Gallup                                   |  |
| 20. History or C.T.<br>Rotary  |  | 21. Elevations (Show whether D.F., K.T., 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   |  |  |  |

23.

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 sacks        | surface  |
| *10 5/8"     | 8 5/8"         | H-40 24#        | 3450'         | 410 sacks       | surface  |
| 7 7/8"       | 5 1/2"         | K-55 15.5#      | 5900'         | 390 sacks       | 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 not dedicated.

\*Intermediate casing is contingent upon whether high water flow is encountered.

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.

Original Signed By D.D. Lawson Title District Engineer Date 6-7-83

(This space for State Use)

APPROVED BY [Signature] TITLE [Signature] DATE JUN 1983

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<br><b>AMOCO PRODUCTION COMPANY</b>  |                                      |                        | Lease<br><b>POLLOCK COM "E"</b> |                           | Well No.<br><b>1</b>                  |
| Unit Letter<br><b>P</b>  | Section<br><b>28</b>                 | Township<br><b>29N</b> | Range<br><b>10W</b>             | County<br><b>San Juan</b> |                                       |
| Actual Footage Location of Well:<br><b>860</b> feet from the <b>South</b> line and <b>805</b> feet from the <b>East</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 Acres</b> |

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 Division.

|      |  |      |  |
|------|--|------|--|
| Sec. |  | 28   |  |
|      |  | 805' |  |
| 860' |  |      |  |

## 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**

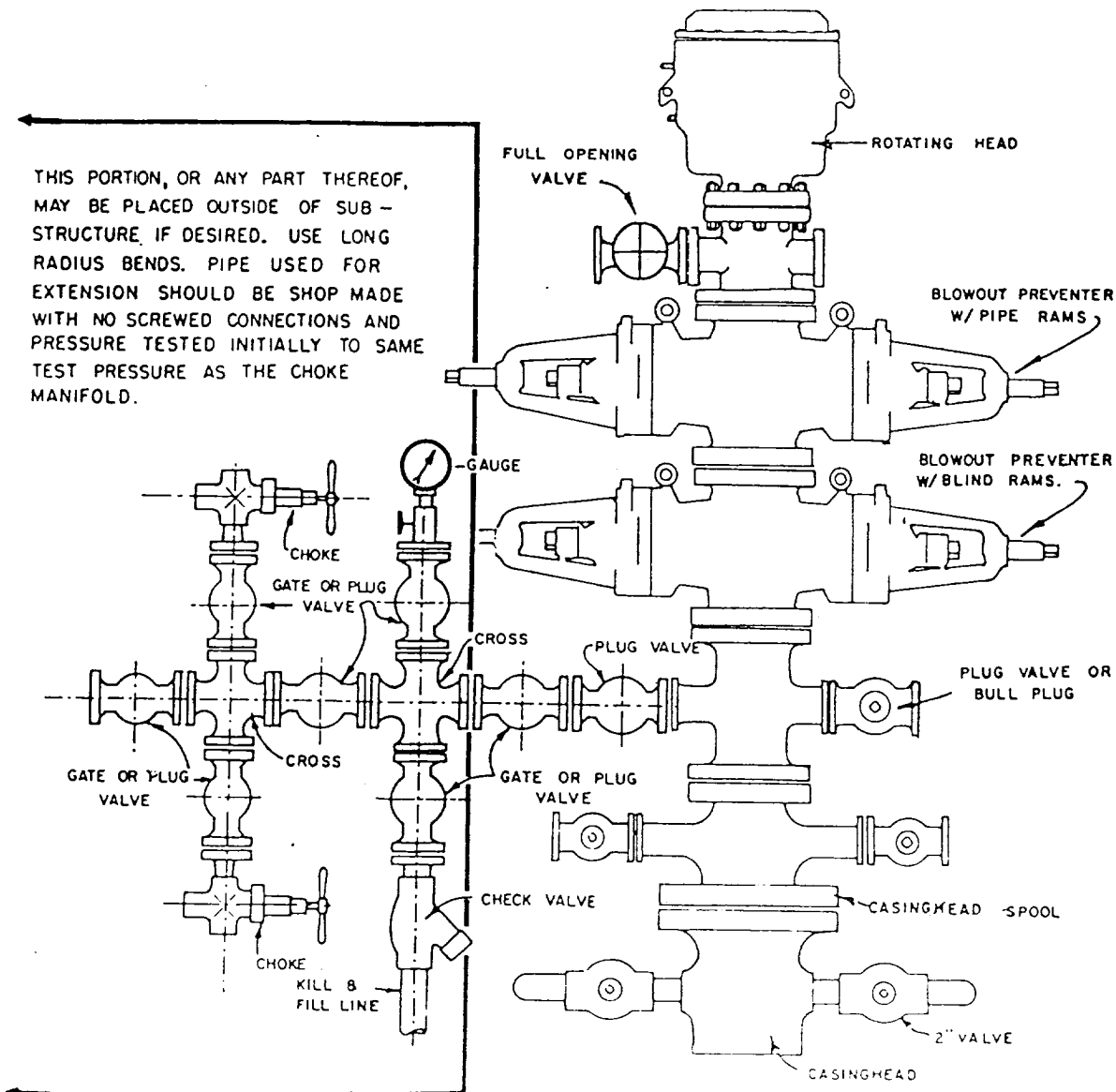
Date  
**June 8, 1983**

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  
**June 3, 1983**  
Registered Professional Engineer  
and/or Land Surveyor

*Fred B. Kerr Jr.*  
**Fred B. Kerr Jr.**  
Certificate No. **B. KERR**

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. Omsco 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, 1968

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.