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NEW MEXICO OIL CONSERVATION COMMISSION

API # 30-059-20034

Form C-101  
Revised 1-1-65

|                                           |                              |
|-------------------------------------------|------------------------------|
| 5A. Indicate Type of Lease                |                              |
| STATE <input checked="" type="checkbox"/> | FEE <input type="checkbox"/> |
| 5. State Oil & Gas Lease No.              |                              |
|                                           |                              |

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|                                                                                                                                                                                                                                                                                                                                                         |  |                                             |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------|--|
| 1a. Type of Work                                                                                                                                                                                                                                                                                                                                        |  | 7. Unit Agreement Name                      |  |
| b. Type of Well<br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/><br>CIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> CO <sub>2</sub> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |  | 8. Firm or Lease Name<br>State HM           |  |
| 2. Name of Operator<br>Amoco Production Company                                                                                                                                                                                                                                                                                                         |  | 9. Well No.<br>1                            |  |
| 3. Address of Operator<br>P. O. Box 68, Hobbs, NM 88240                                                                                                                                                                                                                                                                                                 |  | 10. Field and Pool, or Wildcat<br>Und. Tubb |  |
| 4. Location of Well<br>UNIT LETTER G LOCATED 1980 FEET FROM THE North LINE<br>AND 1980 FEET FROM THE East LINE OF SEC. 12 TWP. 22-N RGE. 32-E NMPM                                                                                                                                                                                                      |  |                                             |  |
|                                                                                                                                                                                                                                                                                                                                                         |  | 12. County<br>Union                         |  |
|                                                                                                                                                                                                                                                                                                                                                         |  |                                             |  |
|                                                                                                                                                                                                                                                                                                                                                         |  |                                             |  |
| 19. Proposed Depth<br>2568 3300'                                                                                                                                                                                                                                                                                                                        |  | 19A. Formation<br>Tubb                      |  |
| 21A. Kind & Status Plug. Bond<br>Blanket-on-file                                                                                                                                                                                                                                                                                                        |  | 20. Rotary or C.T.<br>Rotary                |  |
| 21. Elevations (show whether DP, KI, etc.)<br>5128.4 GR                                                                                                                                                                                                                                                                                                 |  | 22. Approx. Date Work will start            |  |
| 21B. Drilling Contractor<br>Sitton Drilling Co.                                                                                                                                                                                                                                                                                                         |  |                                             |  |

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#             | 350'          | Circ to surf               | Surface       |
| 7-7/8"       | 4-1/2"         | 9.5#            | 3300'         | Tie back to<br>8-5/8" csg. | Btm of 8-5/8" |

Propose to drill and equip well in Tubb formation. After reaching TD, logs will be run and evaluated. Perforate and/or stimulate as necessary in attempting commercial production.

Mud Program: 0-350' Native mud and water  
350'-TD Commercial mud to maintain good hole conditions.

BOP program is attached.  
Gas is not dedicated.

APPROVAL VALID FOR 90 DAYS  
PERMIT EXPIRES 11-12-79  
UNLESS DRILLING UNDERWAY

OIL CONSERVATION COMMISSION TO BE NOTIFIED  
WITHIN 24 HOURS OF BEGINNING OPERATIONS

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 Bob Laws Title Asst. Admin. Analyst Date 8-6-79

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 8-13-79

CONDITIONS OF APPROVAL, IF ANY:

COLLECT AND SACK SAMPLES FOR  
NEW MEXICO BUREAU OF MINES, SOCORRO  
AT AT LEAST TEN FOOT INTERVALS

0+5 NMOCD-SF 1-Hou 1-Susp 1-BD

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

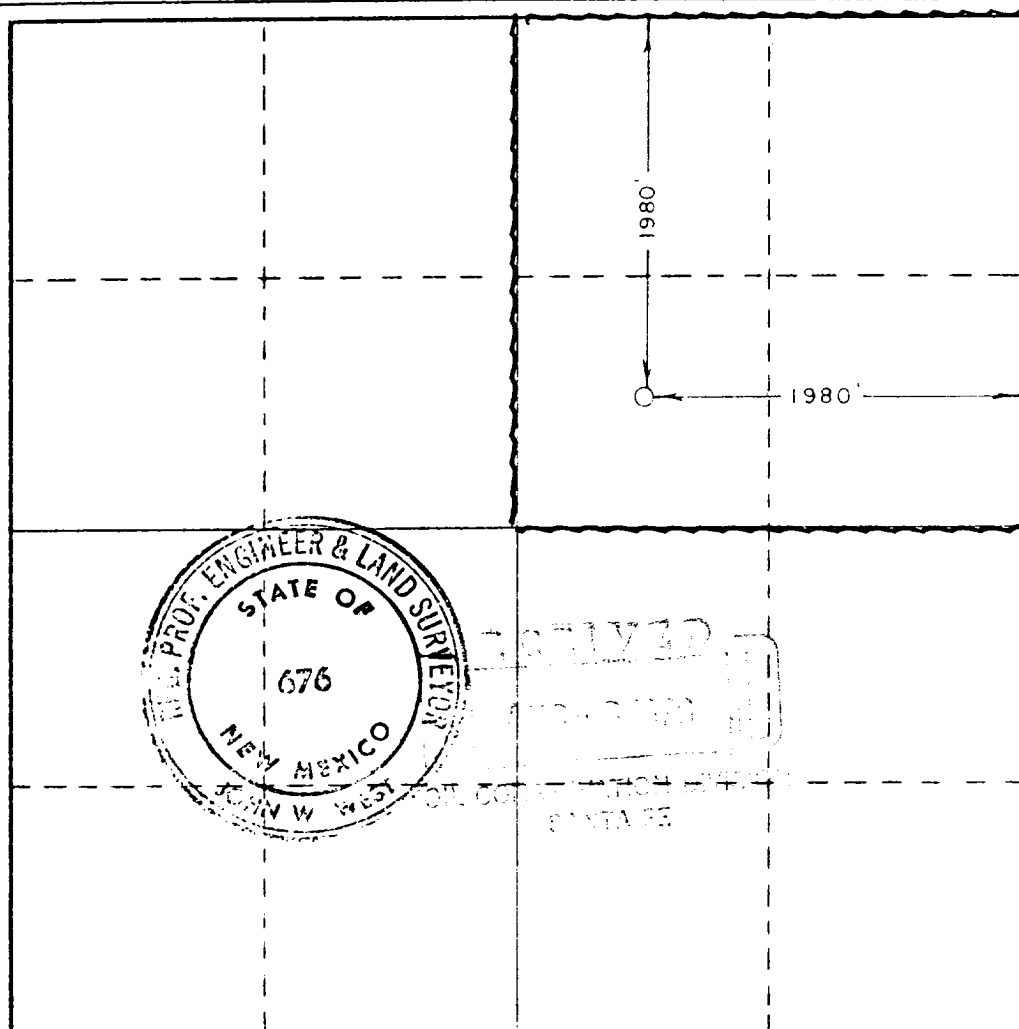
|                                                                                                                                |                                    |                                  |                            |                                        |                      |
|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------------------------|----------------------------|----------------------------------------|----------------------|
| Operator<br><b>Amoco Production Co.</b>                                                                                        |                                    |                                  | Lease<br><b>State H.M.</b> |                                        | Well No.<br><b>1</b> |
| Unit Letter<br><b>G</b>                                                                                                        | Section<br><b>12</b>               | Township<br><b>22 North</b>      | Range<br><b>32 East</b>    | County<br><b>Union</b>                 |                      |
| Actual Footage Location of Well:<br><b>1980</b> feet from the <b>North</b> line and <b>1980</b> feet from the <b>East</b> line |                                    |                                  |                            |                                        |                      |
| Ground Level Elev.<br><b>5128.4</b>                                                                                            | Producing Formation<br><b>Tubb</b> | Pool<br><b>Undesignated Tubb</b> |                            | Dedicated Acreage:<br><b>160</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.



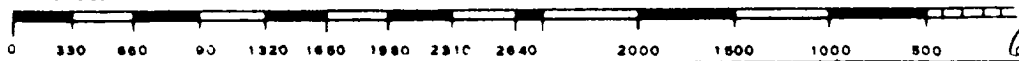
**CERTIFICATION**

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

Name **Bob Davis**  
 Position **Asst. Administrative Analyst**  
 Company **Amoco Production Company**  
 Date **August 7, 1979**

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.

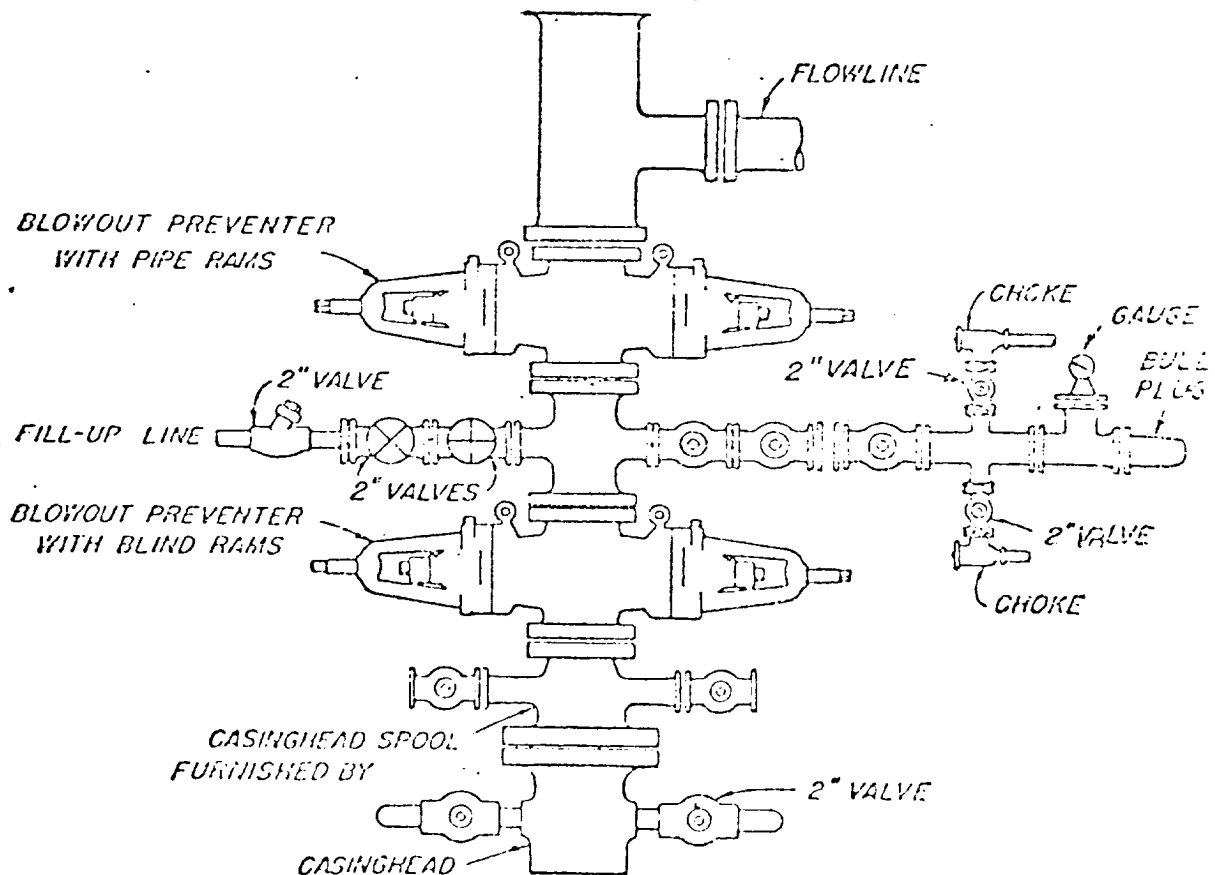
Date Surveyed **8-6-79**  
 Registered Professional Engineer and/or Land Surveyor  
**John W. West**  
 Certificate No. **John W. West 676**  
**Ronald J. Eidson 3239**



ATTACHMENT "B"  
NOTES

1. Blow-out preventers and master valve to be fluid operated and oil fittings must be in good condition, 3,000# W.P. (6,000 p.s.i. test), minimum.
2. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
3. R nipple above blow-out preventer shall be same size as casing being drilled through.
4. Kelly cock required, 3,000# W.P. (6,000 p.s.i. test) minimum.
5. OMSCO or comparable safety valve must be available on rig floor at all times with proper connection or sub, 3,000# W.P. (6,000 p.s.i. test), minimum.
6. Blow-out preventers and master valve while drilling intermediate hole to 6000' may be 2,000# W.P. (4,000 p.s.i. test), minimum.
7. Choke assembly, beyond second valve from cross, may be positioned (Optional) outside of derrick foundation.
8. Spool or cross may be eliminated if connections are available in the lower part of the blow-out preventer body.
9. Plug valves - gate valves are optional. Valves shown as 2" are minimum size.
10. Casing head and casing head spool, including attached valves, to be furnished by Amoco.
11. Rams in preventers will be installed as follows:
 

|                                               |                                               |
|-----------------------------------------------|-----------------------------------------------|
| When drilling, use:                           | When running casing, use:                     |
| Top Preventer - Drill pipe rams               | Top Preventer - Casing rams                   |
| Bottom Preventer - Blind rams or master valve | Bottom Preventer - Blind rams or master valve |



BLOWOUT PREVENTER HOOK-UP

AMOCO PRODUCTION COMPANY

EXHIBIT D-1 MODIFIED

JUNE 1, 1962