

30-035-31010

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5A. Indicate Type of Lease
STATE FEE

5. State Oil & Gas Lease No.
K-5606

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
b. Type of Well DRILL DEEPEN PLUG BACK
OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. Name of Operator
Amoco Production Company

3. Address of Operator
P.O. Box 68, Hobbs NM 88240

4. Location of Well
UNIT LETTER D LOCATED 330 FEET FROM THE North LINE
AND 840 FEET FROM THE West LINE OF SEC. 32 TWP. 9-S REC. 30-E NADP.M.

7. Unit Agreement Name
8. Form or Lease Name
State OQ
9. Well No.
2
10. Field and Pool, or Wildcat
Mary Kate Wolfcamp
12. County
Chaves

19. Proposed Depth
7700'
19A. Formation
Wolfcamp
20. Rotary or C.T.
Rotary
21. Drilling Contractor
N/A
22. Approx. Date Work will start

21. Kind & Status of Prop. Bond
Blanket-on-file
23. Elevations (show whether Dt., H.I., etc.)
4043.3 BR

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|---------------------------------|----------|
| 12 1/2" | 9 5/8" | 34# | 850' | Circulate | Surface |
| 8 3/4" | 5 1/2" | 15.5# | 7700' | Tie back to 500' above Wolfcamp | 6675' |

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

* 7" csg may be set in 8 3/4" hole followed by 5" csg if any unforeseen problems occur in this section of hole.

Mud program: 0-1500' Spud/Native
1500-6300' Brine
6300-TD Brine Hal/Starch

BOP Diagram attached

046 NMCD, H 1-JRB 1-FJN 1-GCC

Permit Expires 6 Months From Approval Date Unless Drilling Underway.

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 Jerry C. Clark Title Asst. Admin. Analyst Date 12-7-85

(This space for State Use)
ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT 1 SUPERVISOR

APPROVED BY _____ TITLE _____ DATE JAN - 8 1985

CONDITIONS OF APPROVAL, IF ANY:

**N. MEXICO OIL CONSERVATION COMMISS
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.

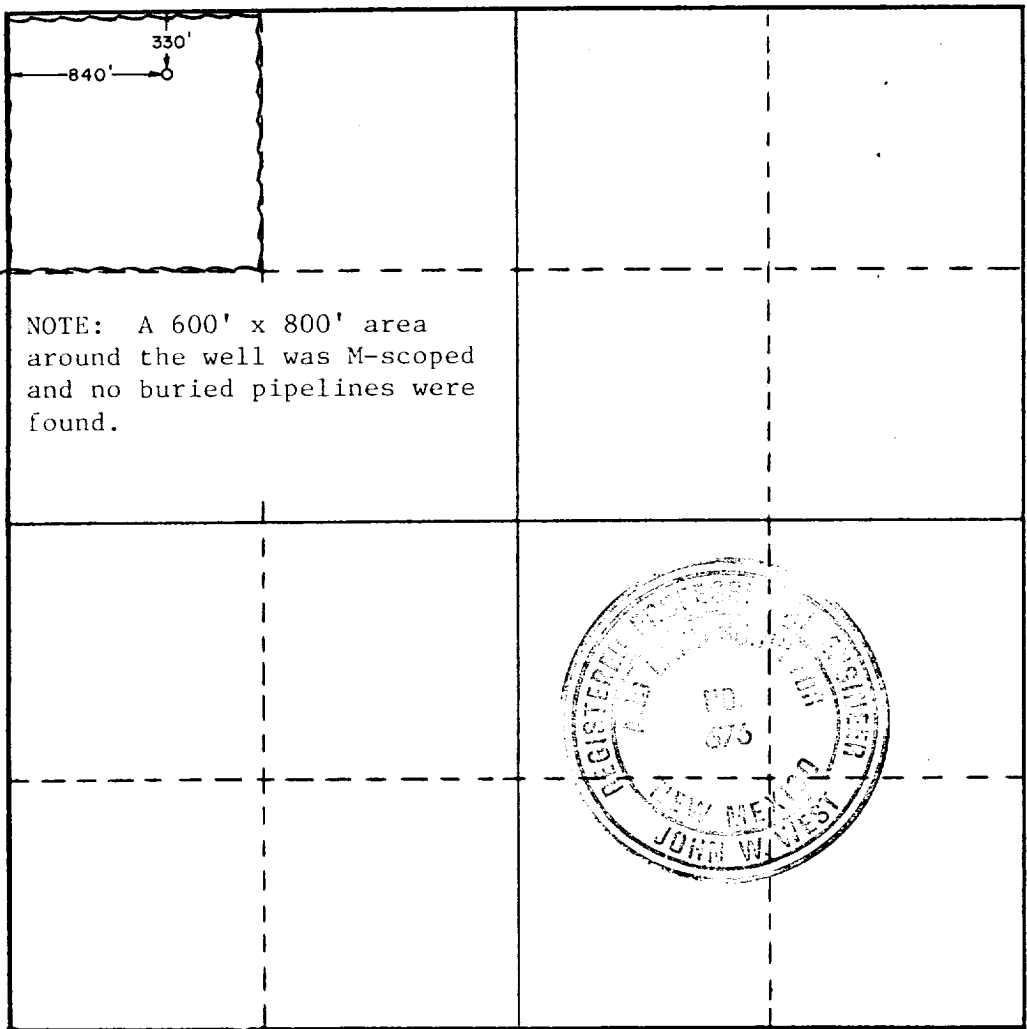
| | | | | | |
|--|---------------------------------|---------------------|-----------------------------|--------------------------------|---------------|
| Operator Amoco Production Company | | | Lease DQ State | | Well No. 2 |
| Unit Letter D | Section 32 | Township 9 South | Range 30 East | County Chaves | |
| Actual Footage Location of Well: 330 feet from the north line and 840 feet from the west line | | | | | |
| Ground Level Elev. 4043.3 | Producing Formation Wolfcamp | | Pool Many Gates Wolfcamp | Dedicated Acreage: 40 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.

Mary C. Clark
Name

Asst. Admin. Analyst
Position

Amoco Production Company
Company

1-5-85
Date

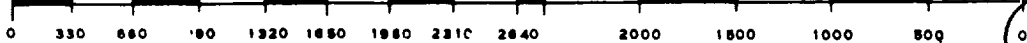
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
December 26, 1984

Registered Professional Engineer
and/or Land Surveyor

John W. West

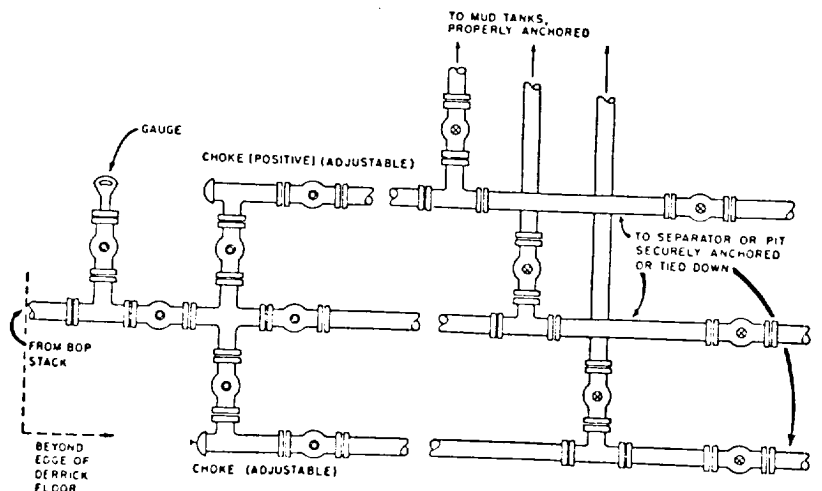
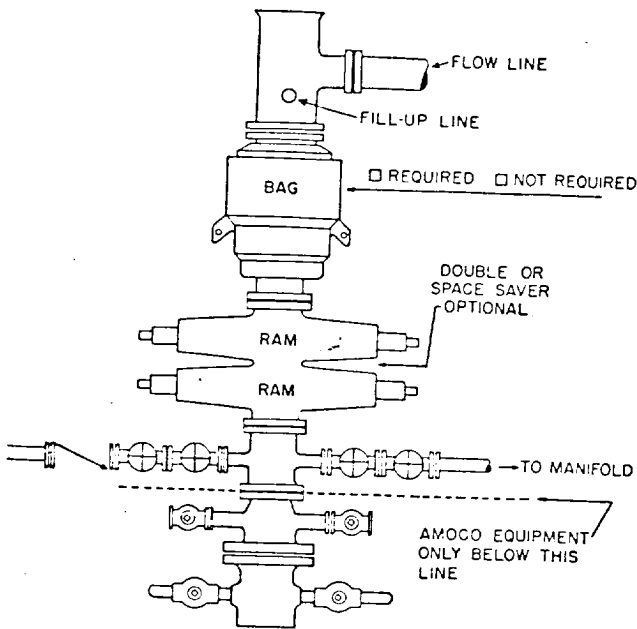
Certificate No. JOHN W. WEST, 676
RONALD J. EIDSON, 3239



3000* W.P. TWO-RAM BOP

1. BOP's to be fluid operated. BOP's and all fittings must be in good condition and rated at 3000 psi w.p. minimum.
2. Equipment through which bit must pass shall be at least as large as casing size being drilled through.
3. Upper kelly cock is required and shall be 3000 psi w.p. minimum. Lower kelly cock is (required)(not required).
4. Hydril or comparable safety valve shall be available on rig floor with connection or subs to fit any tool joint in the string. Valve to be full bore 5000 psi w.p. minimum.
5. Hydril or equivalent drill pipe back pressure valve is (required)(not required).
6. All equipment upstream of chokes, including kill line equipment shall be flanged or clamped and of a test pressure no less than that of the blowout preventer. All valves upstream of choke shall be (3") (4") gate valves Cameron Type "F" or equivalent. All equipment downstream of chokes may be flanged or screw end gate or plug. Line from spool to manifold cross to be a minimum of 3", straight and short as possible with minimum bends. Other lines may be 2", 3" or 4". Choke manifold, beyond second valve from cross, must be positioned outside of substructure. Manifold, header and all lines must be adequately supported and properly anchored. Two inch (2") lines and valves are permitted on the kill line. All valves designated for H₂S service are (required) (not required).
7. Blowout preventer closing unit equipment to include accumulator capable of closing, opening and closing the bag and pipe rams with a minimum remaining pressure of 1200 psi. After closure, the remaining fluid volume will be at least 50 percent of original volume. Two independent sources of pump power are required on each closing unit installation and shall meet all IADC specifications. Operating time for closing unit shall not be greater than one minute with charging pump shut down. Time test must be witnessed by Amoco representative while nipping up and test results reported on IADC report. Failure to meet these conditions will necessitate corrective action by contractor and retesting all at contractor's expense.
8. The accumulator must be located at least 50 feet from the well. Blowout preventer controls must be properly labeled and located as close to drillers position as feasible. Floor control valves are (required)(not required).
9. Fluid lines from accumulator to BOP's and all remote control fluid lines shall be steel, and rated at or above maximum accumulator pressure. Lines shall be routed in bundles and adequately protected from damage.
10. Use rams in following positions:

| | | |
|-----------|------------|----------------|
| Upper ram | Drilling | Running Casing |
| Lower Ram | Drill pipe | Casing |
| | Blind | Blind |
11. Extensions and hand wheels to be installed and braced at all times.



Ciment
3/10/85

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