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NEW MEXICO OIL CONSERVATION COMMISSION
API # 30-059-20101

Form C-101
Revised 1-1-65

| |
|--|
| 5A. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 5. State Oil & Gas Lease No. |
| 7. Unit Agreement Name |
| 8. Farm or Lease Name Hutcherson B |
| 9. Well No. 20X |
| 10. Field and Pool, or Wildcat Und. Tubb |
| 12. County Union |
| 19. Proposed Depth 2640' |
| 19A. Formation Tubb |
| 20. Rotary or C.T. Rotary |
| 21. Elevations (Show whether DE, RT, etc.) 4932' GL |
| 21A. Kind & Status Plug. Bond Blanket-on-file |
| 21B. Drilling Contractor NA |
| 22. Approx. Date Work will start 1-22-81 |

| | | | | | |
|---|--|--|--|--|--|
| APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK | | | | | |
| 1a. Type of Work | | | | | |
| b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> C02 OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> | | | | | |
| 2. Name of Operator Amoco Production Company | | | | | |
| 3. Address of Operator P. O. Box 68 Hobbs, NM 88240 | | | | | |
| 4. Location of Well UNIT LETTER J LOCATED 2080 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE OF SEC. 18 TWP. 19-N RGE. 34-E NMPM | | | | | |
| 5. Elevations (Show whether DE, RT, etc.) 4932' GL | | | | | |
| 6. Kind & Status Plug. Bond Blanket-on-file | | | | | |
| 7. Drilling Contractor NA | | | | | |
| 8. Approx. Date Work will start 1-22-81 | | | | | |

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# | 700' | Circ. | Surface |
| 7-7/8" | 5-1/2" | 14# | 2640' | Tie back to 8-5/8" | BTM 8-5/8" |

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

MUD PROGRAM: 0'-700' Native mud and fresh water
700'-TD Commercial mud and brine with minimum properties for safe hole conditions.

BOP Program Attached
Gas is not dedicated.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 7-22-81
UNLESS DRILLING UNDERWAY

0+2-NMOCD, SF 1-Hou 1-Susp 1-BD

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 Admin. Analyst Date 1-22-81
(This space for State Use)

APPROVED BY Carl Illvay TITLE SENIOR PETROLEUM ENGINEER DATE 1-22-81
CONDITIONS OF APPROVAL, IF ANY:

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

**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.

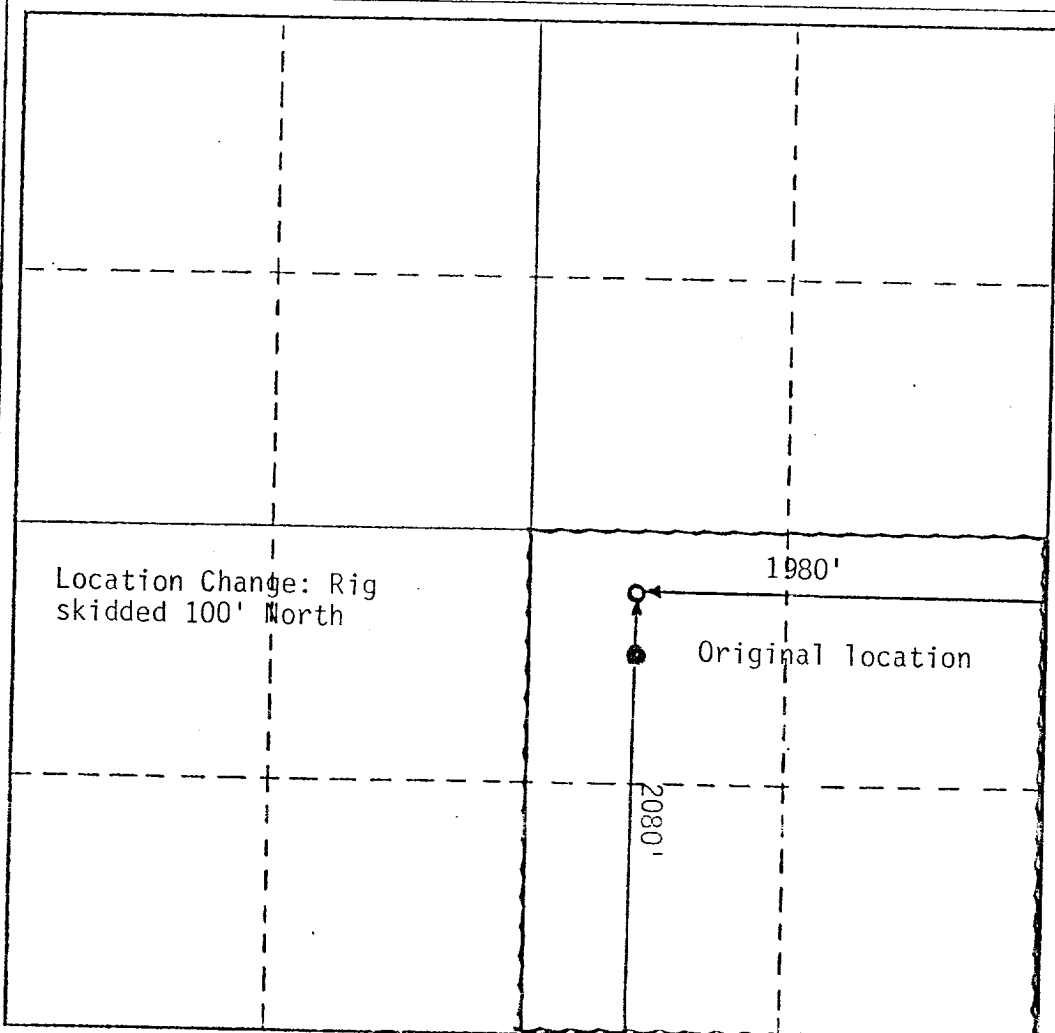
| | | | | | |
|---|------------------------------------|--------------------------|--------------------------------------|--|-------------------------|
| Operator Amoco Production Company | | | Lease Hutcherson B | | Well No. 20 X |
| Unit Letter J | Section 18 | Township 19-N | Range 38-E 34-E | County Union | |
| Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 2080 feet from the South line and 1980 feet from the East line </div> | | | | | |
| Ground Level Elev. 4932 | Producing Formation Tubb | Pool Und. Tubb | | 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 _____

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 **Admin. Analyst**
 Company **Amoco Production Company**

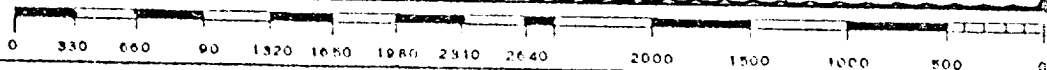
Date **1-22-81**

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 _____

Registered Professional Engineer
and/or Land Surveyor

Certificate No. _____



OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-79

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

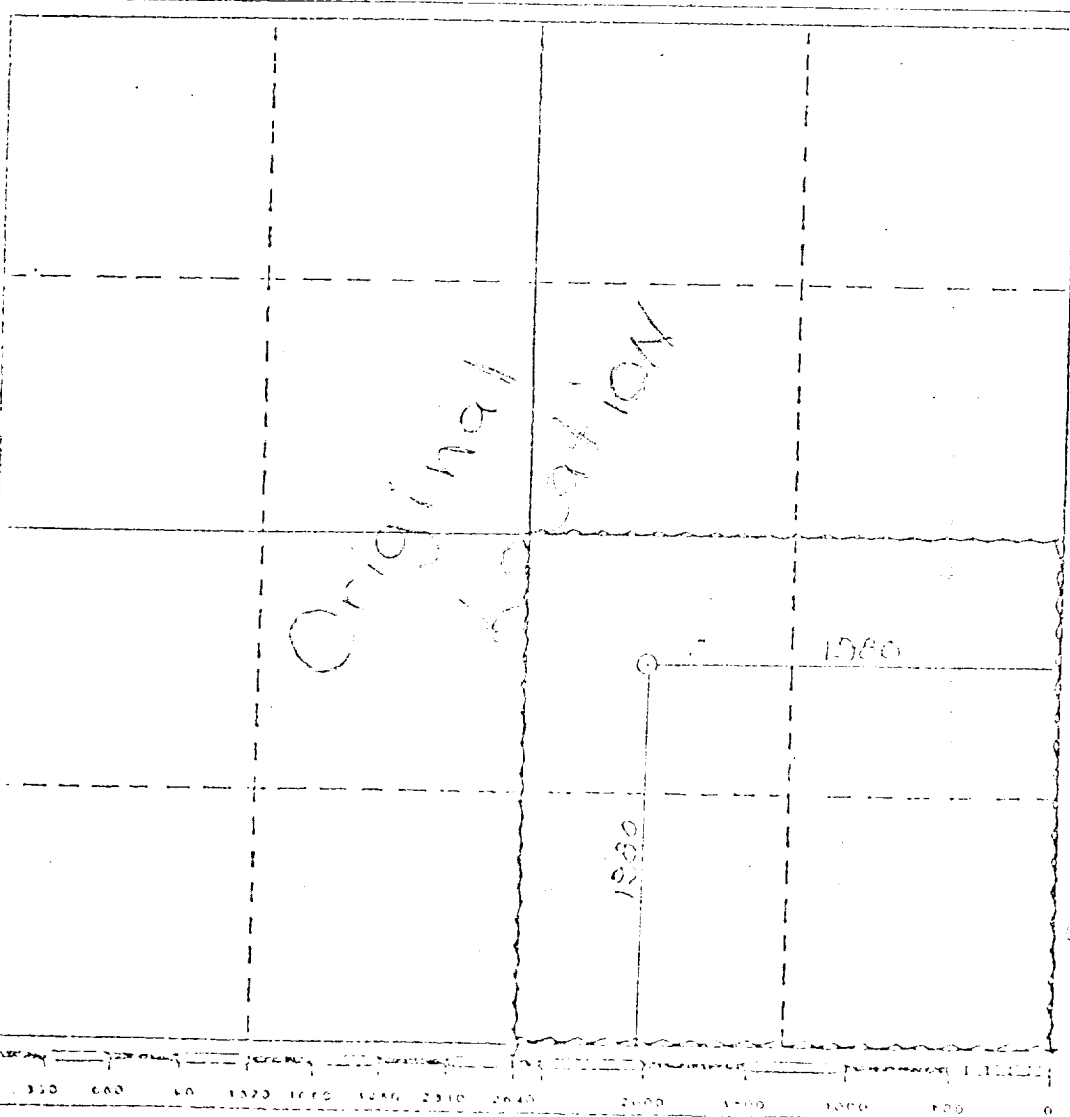
| | | | | |
|----------------------------------|-----------------------------|---------------------|-------------------|---------------------------------|
| Operator AMOCO | | Lease DUTCHERSON | | Well No. 2 20 |
| Unit Letter J | Section 18 | Township T 19 N | Range R 34 E | County UNION |
| Actual Postage Location of Well: | | | | |
| 1980 | feet from the | SOUTH | 1980 | feet from the |
| | | | | EAST |
| Ground Level Elev. 4932 | Producing Formation Tubb | | Pool Und. Tubb | Dedicated Acreage: 160 Acres |

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.



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
Administrative Analyst
Company
Amoco Production Company
Date
10-28-80

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.

OCT. 19 1980

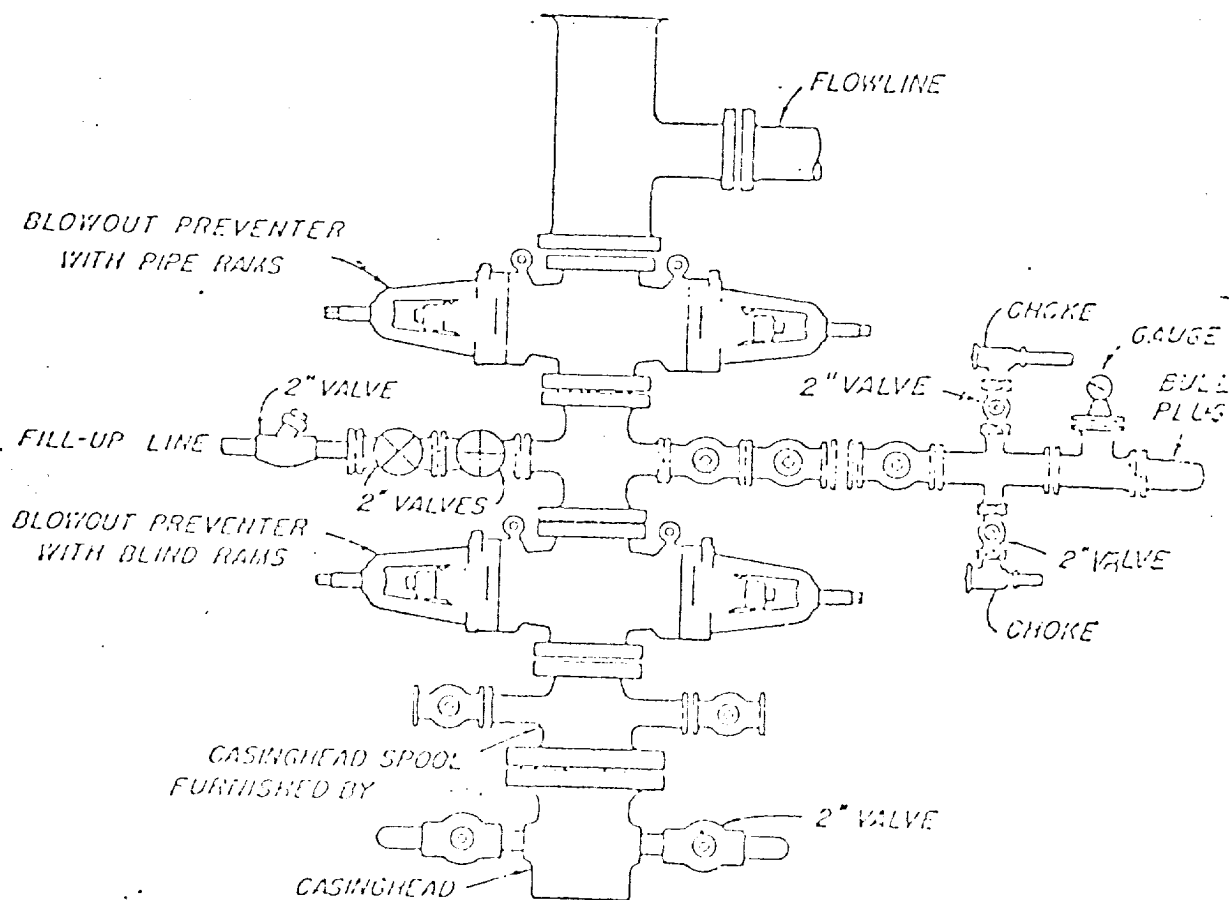
Date Surveyed
Paul J. Spiller
Registered Professional Engineer
in the State of New Mexico
No. 11003

N.M.M.S. NO. 5103
Certificate No.

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. 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. OHSCO 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