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NEW MEXICO OIL CONSERVATION COMMISSION

API # 30-059-20117

Form C-101  
Revised 1-1-65

1A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>

1B. 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 OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> CO2 OTHER <input type="checkbox"/>		8. Farm or Lease Name Cain F	
2. Name of Operator Amoco Production Company		9. Well No. 1	
3. Address of Operator P. O. Box 68 Hobbs, NM 88240		10. Field and Pool, or Wildcat Und. Tubb	
4. Location of Well UNIT LETTER <u>K</u> LOCATED <u>1980</u> FEET FROM THE <u>South</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>23</u> TWP. <u>19-N</u> RGE. <u>35-E</u> N.M.P.M.		11. County Union	
18. Proposed Depth 2540'		19A. Formation Tubb	
20. Rotary or C.T. Rotary			
21. Elevations (Show whether DF, RT, etc.) 4560 GL		21A. Kind & Status Plug. Bond Blanket-on-file	
21B. Drilling Contractor NA		22. Approx. Date Work will start 3-9-81	

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#	2540'	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  
PERIOD OF 9-1-81  
UNLESS DRILLING UNDERWAY

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

OIL CONSERVATION COMMISSION  
WITHIN 24 HOURS OF RECEIPT OF PROPOSAL

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 2-25-81

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PERMITTING ENGINEER DATE 3/5/81  
CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-4-85

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

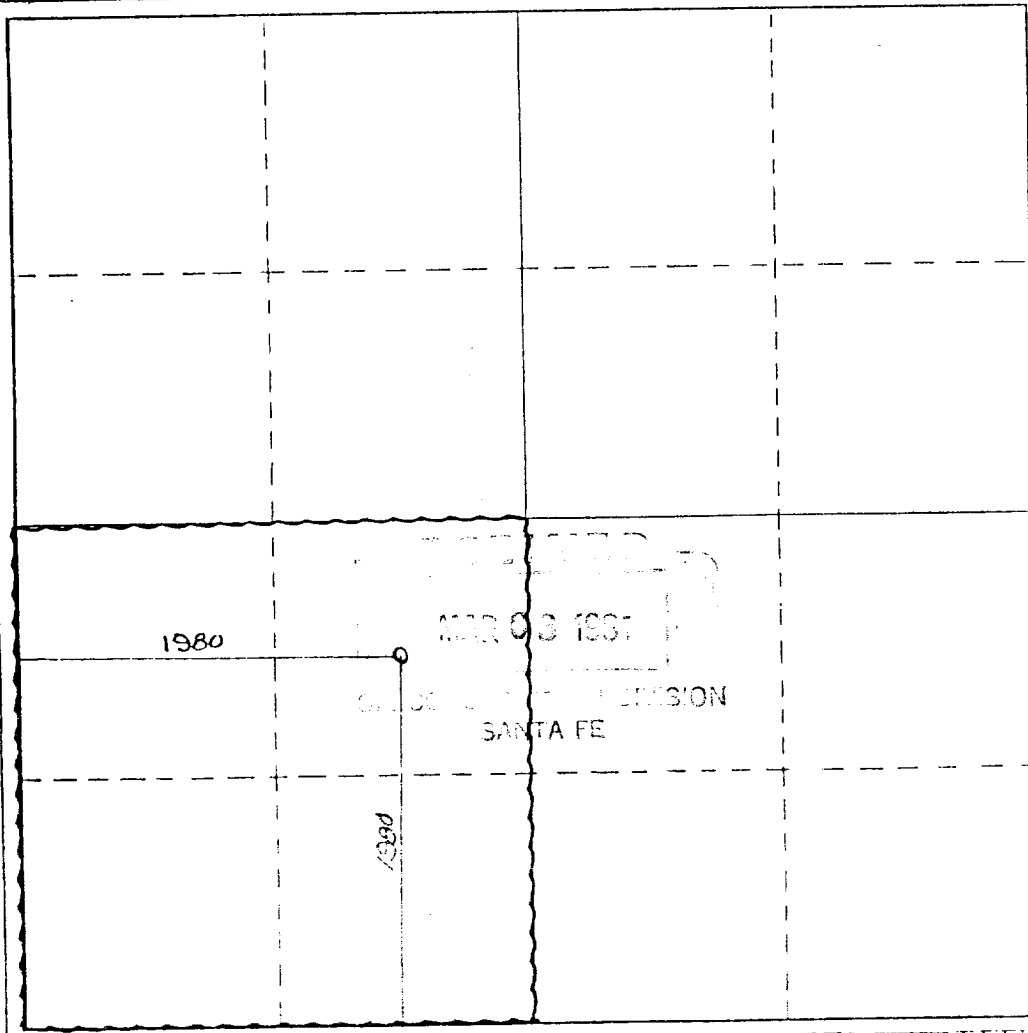
Operator <b>AMOCO</b>			Lease <b>CAIN F</b>		Well No. <b>1</b>
Unit Letter <b>K</b>	Section <b>23</b>	Township <b>T19N</b>	Range <b>R35E</b>	County <b>UNION</b>	
Actual Footage Location of Well: <b>1980</b> feet from the <b>SOUTH</b> line and <b>1980</b> feet from the <b>WEST</b> line					
Ground Level Elev. <b>4560</b>	Producing Formation <b>Tubb</b>	Pool <b>Und. Tubb</b>		Dedicated Acreage: <b>160</b> Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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**

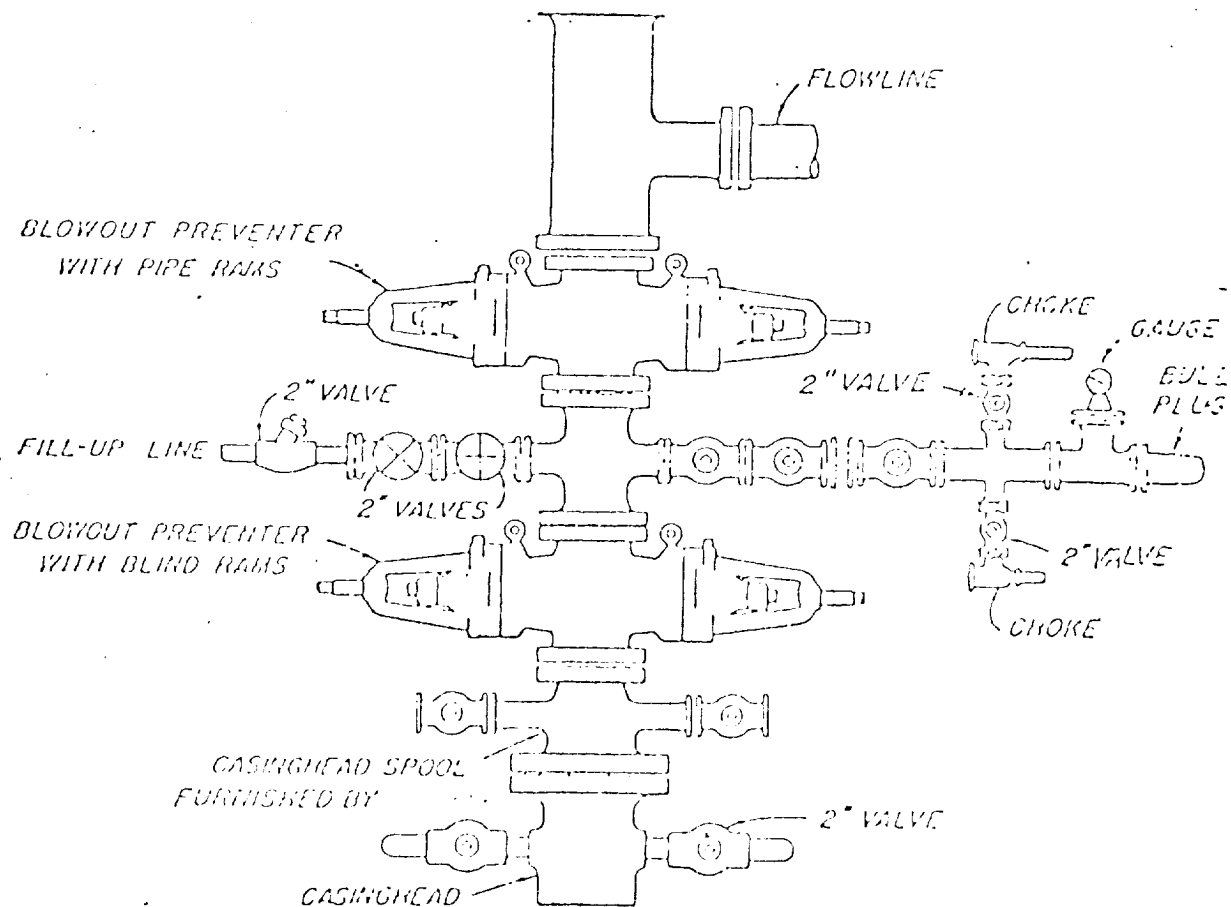
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name Bob Davis  
 Position Admin. Analyst  
 Company Amoco Production Company  
 Date 2-25-81

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.

FEB. 23 1981  
 Date Surveyed \_\_\_\_\_  
 Registered Professional Engineer  
 and/or Land Surveyor  
 N.M.L.S. NO. 5103  
 Certificate No. \_\_\_\_\_

1. Blow-out preventers and master valve to be fluid operated and all 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. Riddle 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:  
     Top Preventer - Drill pipe rams  
     Bottom Preventer - Blind rams or master valve  
 When running casing, use:  
     Top Preventer - Casing rams  
     Bottom Preventer - Blind rams or master valve



BLOWOUT PREVENTER HOOK-UP

AMOCO FIELD SERVICE COMPANY

EXHIBIT D-1 MODIFIED

JUNE 1, 1962