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P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

APR 12 3 10 1982

5A. Indicate Type of Lease  
STATE ☐ FEDERAL ☐  
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name BDCDGU
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> CO2 OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name BDCDGU 2034
2. Name of Operator Amoco Production Company		9. Well No. 171
3. Address of Operator P. O. Box 68, Hobbs, New Mexico 88240		10. Field and Pool, or Wildcat Und. Tubb
4. Location of Well UNIT LETTER A LOCATED 990' FEET FROM THE North LINE AND 990' FEET FROM THE West LINE OF SEC. 17 TWP. 20-N RGE. 34-E NMPM		12. County Union
15. Proposed Depth 2470'		19A. Formation Tubb
16. Elevation (show whether DF, RT, etc.) 4806'		20. Rotary or C.T. Rotary
21A. Kind & Status Plug. Bond Blanket-on-File		21B. Drilling Contractor NA
22. Approx. Date Work will start 9-7-82		

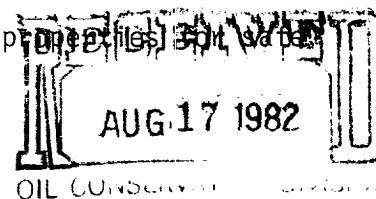
23. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	9-5/8"	32.30#	700'	Circ.	Surface
8-3/4"	7"	20#	2470'	Tie back to 7"	BTM 7"

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 water hole conditions.

BOP Program attached  
Gas is not dedicated.



0+2-NMOCC,SF 1-HOU 1-SUSP 1-CLF 1-Amerada 1-UGI 1-Cities Serv. 1-Cohoco  
1-CO2 in Action 1-Excelsior 1-Sun. Tex.

APPROVAL VALID FOR 90 DAYS  
PERMIT EXPIRES 11-15-82  
UNLESS DRILLING UNDERWAY

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 Cathy L. Ferman Title Assist. Admin. Analyst Date 8-16-82  
(This space for State Use)

APPROVED BY Carl H. Hoag TITLE DISTRICT SUPERVISOR DATE 8-17-82

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

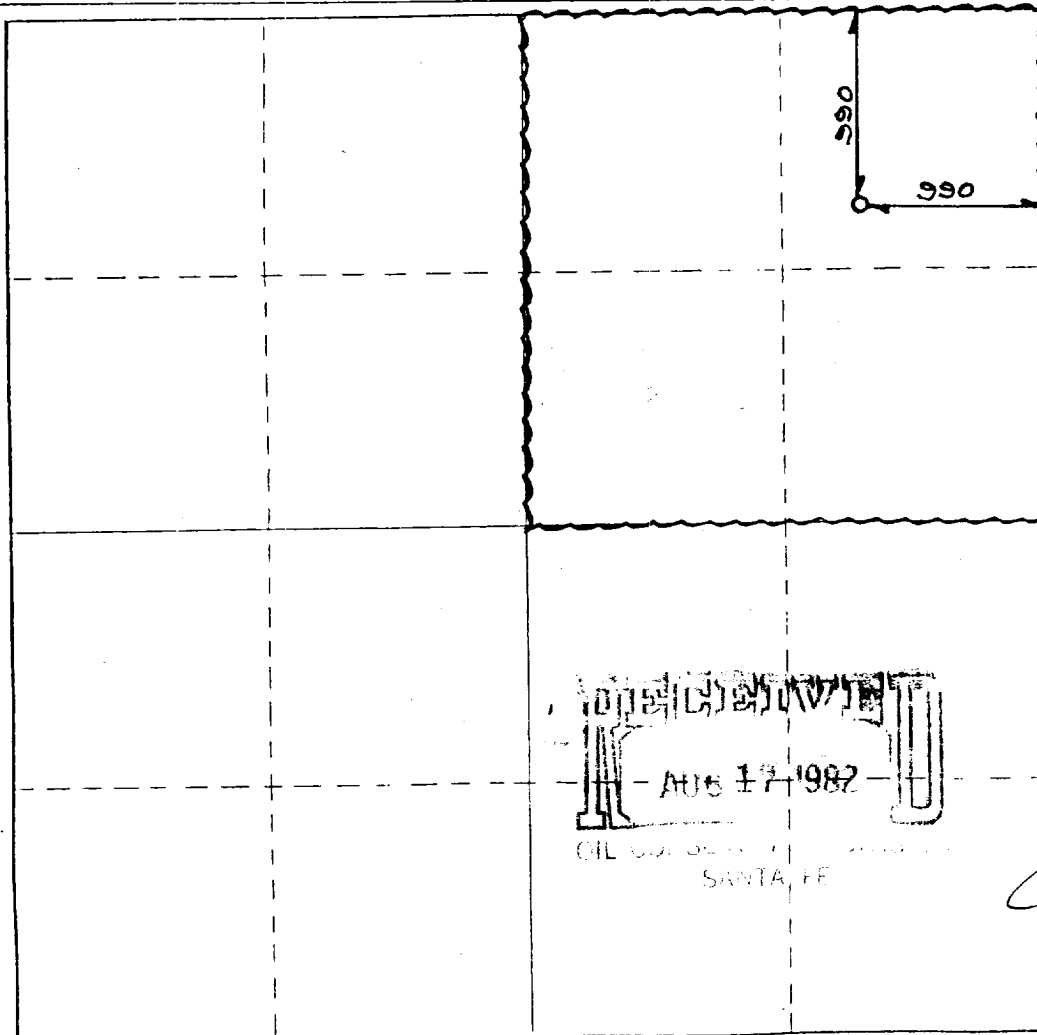
Operator <b>AMOCO PRODUCTION COMPANY</b>		Lease <b>BRAVO DOME CO2 GAS UNIT</b>		Well No. <b>2034 171A</b>
Unit Letter <b>A</b>	Section <b>17</b>	Township <b>T20N</b>	Range <b>R34E</b>	County <b>UNION</b>
Actual Footage Location of Well: <b>990</b> feet from the <b>NORTH</b> line and <b>990</b> feet from the <b>EAST</b> line				
Ground Level Elev. <b>4806</b>	Producing Formation <b>Tubb</b>	Pool <b>Und. Tubb</b>	Dedicated Acreage: <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.

*Cathy L. Forman*  
Name

Cathy L. Forman  
Position

Asst. Administrative Analyst

Company

Amoco Production Company

Date

8-16-82

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.

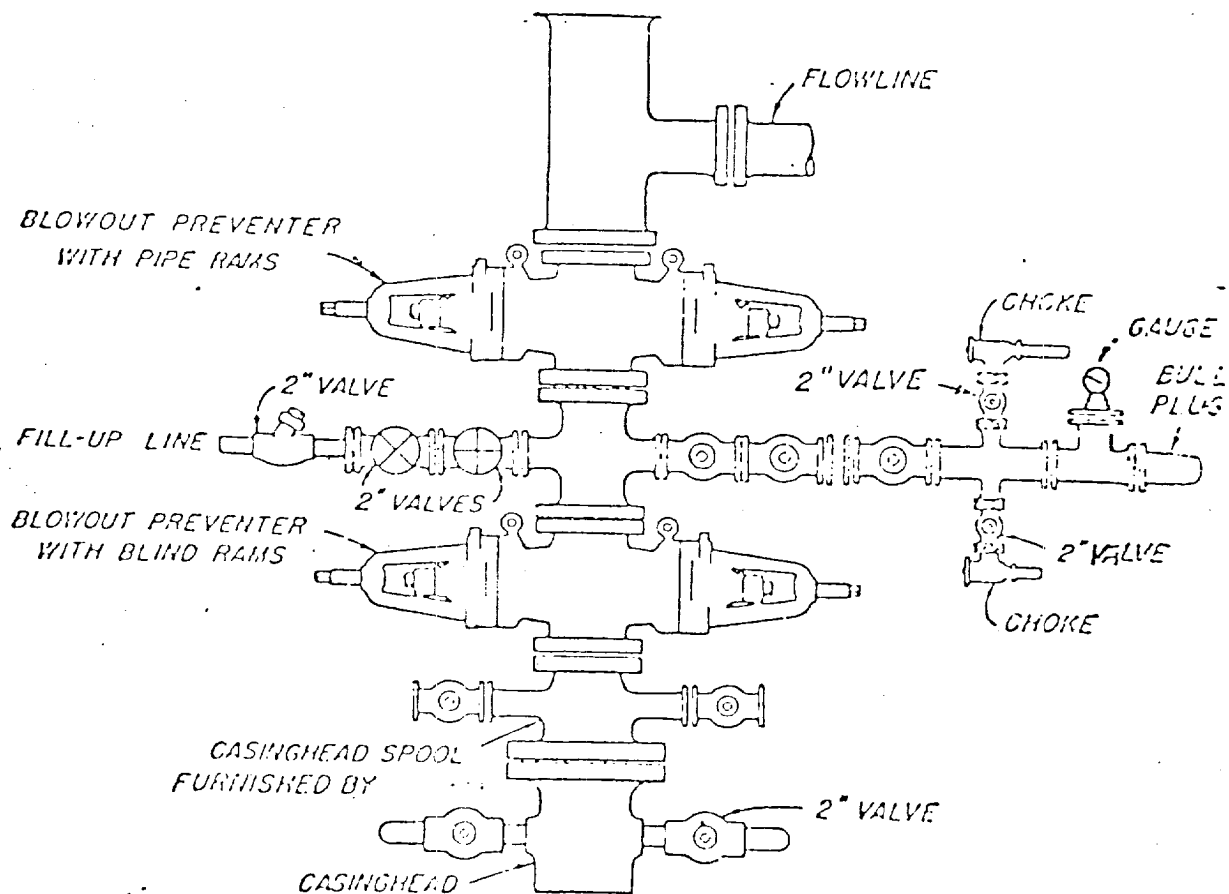
ABED LAND 1982  
DATE  
REGISTERED PROFESSIONAL ENGINEER  
and of Land Survey  
NEW MEXICO  
N. M. L. S. NO. 5103  
Certificate No. SHIELD 5103

0 320 660 990 1320 1660 1980 2310 2640 2980 3320 3660 3990 4320 4660 4990 5320 5660 5990 6320 6660 6990 7320 7660 7990 8320 8660 8990 9320 9660 9990 0

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. OMSCO or comparable safety valve must be available on rig floor at all times with proper connection on 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