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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-4-65

API #  
30-021-20163

**RECEIVED**  
JUL 25 1983

5A. Indicate Type of Lease  
STATE  FEE   
5. State Oil & Gas Lease No.  
L-6388

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK  
OIL CONSERVATION DIVISION  
SANTA FE

1a. Type of Work  
b. Type of Well DRILL  DEEPEN  PLUG BACK   
OIL WELL  GAS WELL  CO2 OTHER   
SINGLE ZONE  MULTIPLE ZONE   
2. Name of Operator  
Amoco Production Company  
3. Address of Operator  
P. O. Box 68, Hobbs, New Mexico 88240  
4. Location of Well  
UNIT LETTER G LOCATED 1083.1 FEET FROM THE North LINE  
AND 1980' FEET FROM THE East LINE OF SEC. 3 TWP. 20-N RGE. 33-E NMPM  
7. Unit Agreement Name  
BDCDGU  
8. Farm or Lease Name  
BDCDGU  
9. Well No.  
2033 031G  
10. Field and Pool, or Wildcat  
Und. tubb  
12. County  
Harding  
19. Proposed Depth  
2715'  
19A. Formation  
Tubb  
20. Rotary or U.T.  
Rotary  
21. Elevation (Show whether U.T., RT, etc.)  
5055' GI  
21A. Kind & Status Plug. Bond  
Blanket on file  
21B. Drilling Contractor  
NA  
22. Approx. Date Work will start  
3rd quarter-1983

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#	2715'	Tie back to 9-5/8"	Surface

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.

APPROVAL VALID FOR 90 DAYS  
PERMIT EXPIRES 10-22-83  
UNLESS DRILLING UNDERWAY

Mud Program: 0 -700' Native Spud Mud.  
700' -TD Stable foam using KCL water and foamer.

BOP Program attached  
Gas in not dedicated.  
COLLECT AND SACK SAMPLES FOR  
NEW MEXICO BUREAU OF MINES, SOCORRO  
AT AT LEAST TEN FOOT INTERVALS

0+2-NMOCD,SF 1-HOU R. E. Ogden RM 21.150 1-SUSP 1-PJS 1-Amerada 1-Amerigas  
1-Cities Service 1-Conoco 1-CO2 in Action 1-Excelsior 1-Sun. Tex. 1-Exxon  
1-Jim Russell, Clayton 1-F. J. Nash, HOU RM 4.206

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 [Signature] Title Assist. Admin. Analyst Date 7-20-83

(This space for State Use)

APPROVED BY [Signature] TITLE DISTRICT SUPERVISOR DATE 7/25/83

CONDITIONS OF APPROVAL, IF ANY:

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

7/25/83

# Memo

*From*

CARL ULVOG

*Chief Geologist*

*To* WELL FILE G-3-20N-33E

SECTION 3 is a short section.

The N/2 N/2 is less than 500 feet wide (N-S).

The well locates 660 feet from each boundary of the SW/NE 40-acre tract and is centered in Unit G.

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.

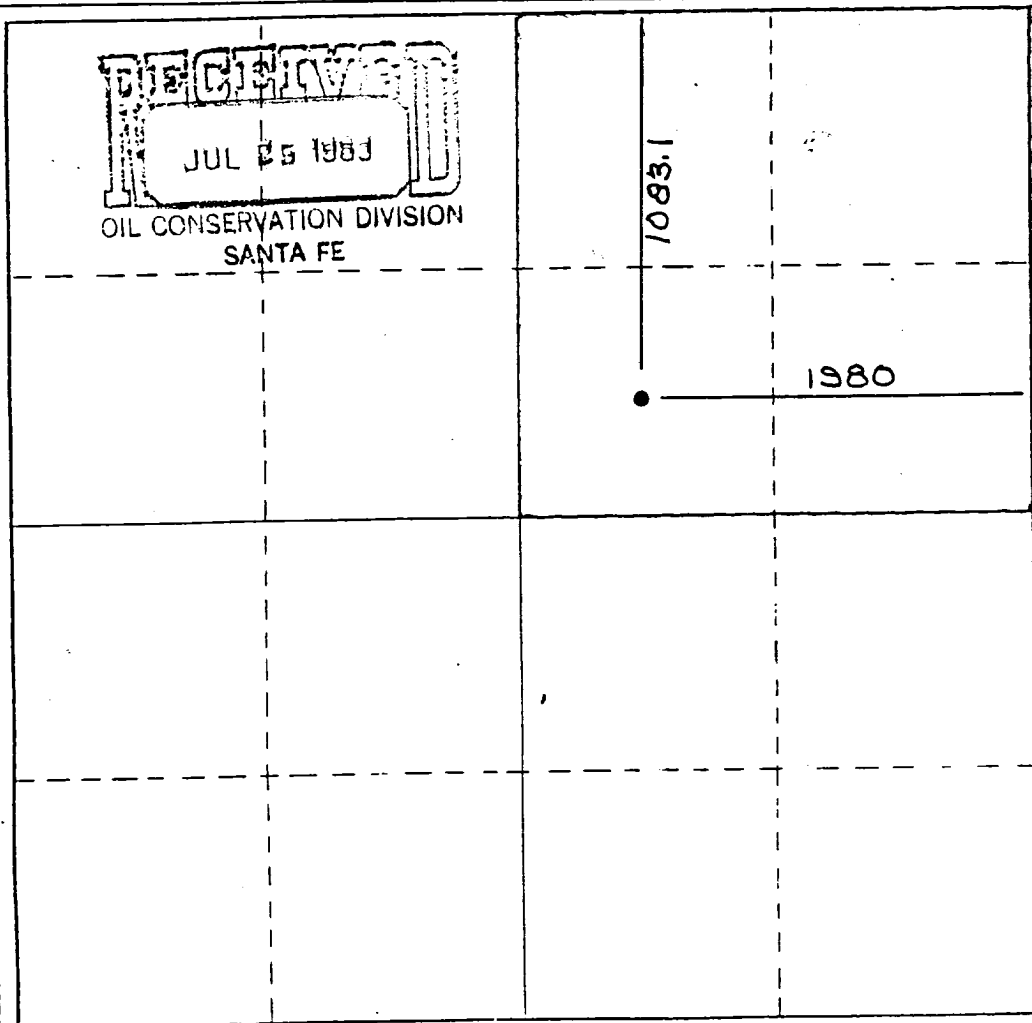
Operator <b>AMOCO PRODUCTION COMPANY</b>		Lease <b>Bravo Dome CO2 Gas Unit</b>		Well No. <b>2033031G</b>
Unit Letter <b>G</b>	Section <b>3</b>	Township <b>T20N</b>	Range <b>R33E</b>	County <b>HARDING</b>
Actual Footage Location of Well: <b>1083.1</b> feet from the <b>NORTH</b> line and <b>1980</b> feet from the <b>EAST</b> line				
Ground Level Elev: <b>5055</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.



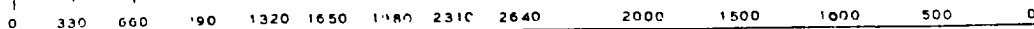
CERTIFICATION

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

Name \_\_\_\_\_  
Position **Assist. Admin. Analyst**  
Company **Amoco Production Company**  
Date **7-22-83**

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.

**REGISTERED LAND SURVEYOR**  
DATE **7-22-83**  
No. **5103**  
Registered Professional Engineer and/or Land Surveyor  
**LEE E. SHIELDS**  
N.M.L.S. No. **5103**  
Certificate No.



STANDARD 2000 PSI W.P. BOP STACK

1. Blow-out preventers may be manually operated.
2. All equipment must be in good condition, 2,000 psi W.P. (4,000 psi test) minimum.
3. Bell nipple above blow-out preventer shall be same size as casing being drilled through.
4. Kelly cock to be installed on kelly.
5. Full opening safety valve 2,000 psi w.p. (4,000 psi test) minimum must be available on rig floor at all times with proper connection or subs to fit any tool joint in string.
6. Spool or cross may be eliminated if connections are available in the lower part of the blow-out preventer body.
7. Double or space saver type preventers may be used in lieu of two single preventers.
8. BOP rams to be installed as follows:\*
  - Top preventer - Drill pipe or casing rams
  - Bottom preventer - Blind rams

\*Amoco District Superintendent may reverse location of rams.
9. Extensions and hand wheels to be installed and braced at all times.
10. Manifold valves may be gate or plug metal to metal seal 2" minimum.

