

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-101
Revised 10-1-78

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SANTA FE	
FILE	☒
U.S.G.S.	
LAND OFFICE	
OPERATOR	

API # 30-059-20296

5A. Indicate Type of Lease	
STATE ☐	FEE ☒
5. State Oil & Gas Lease No.	
N/A	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL ☒ DEEPEN ☐ PLUG BACK ☐ OIL WELL ☐ GAS WELL ☒ CO2 OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐		BDCDGU	
2. Name of Operator		8. Farm or Lease Name	
Amoco Production Company		BDCDGU	
3. Address of Operator		9. Well No.	
P. O. Box 3092, Room 3.336, Houston, Texas 77253		1934-382J	
4. Location of Well		10. Field and Pool, or Wildcat	
UNIT LETTER J LOCATED 1960 FEET FROM THE South LINE AND 1960 FEET FROM THE East LINE OF SEC. 32 TWP. 19N RGE. 34 NMPM		Bravo Dome - Tubb	
12. County			
Union			
19. Proposed Depth		19A. Formation	
2800		Tubb	
20. Rotary or C.T.			
Rotary			
21. Elevations (Show whether DF, RT, etc.)		22. Approx. Date Work will start	
4906.5 GL		12-10-88	
21A. Kind & Status Plug. Bond		21B. Drilling Contractor	
Blanket-on-file		N/A	

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"	36.00#	700'	Circulate	Surface
8-3/4"	5-1/2"	*5.5# Fiberglass	2550'	Circulate	Surface

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

Mud Program: 0' - 700' Native Spud Mud
700' - TD Fresh Water Gel

BOP Diagram Attached

*Amoco intends to run 5-1/2" Fiberglass casing and produce through the casing. Please grant an exception to the "tubing rule" to allow for production through casing in lieu of producing through the tubing. Above request is in accordance with conversation between Jim Allen and Roy Johnson, NMOCD.

As per your conversation, please approve this exception on a 4-year experimental basis. If casing failure occurs, then tubing will be run in the well.

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 J. Leech Title Sr. Admin. Analyst Date 11-17-88

(This space for State Use)

APPROVED BY R. E. Johnson TITLE DISTRICT SUPERVISOR DATE 11-29-88

CONDITIONS OF APPROVAL, IF ANY:

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

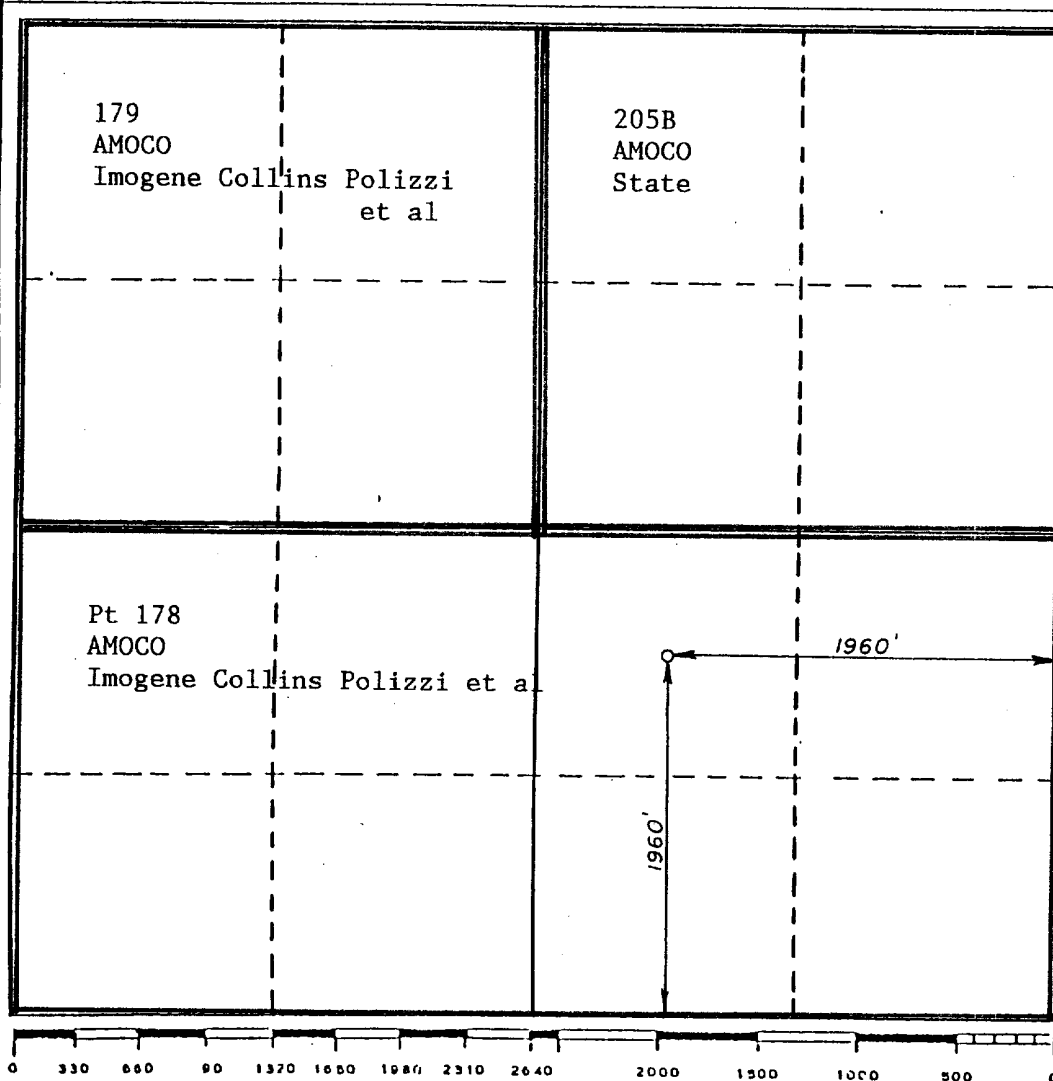
Operator Amoco Production company			Lease Bravo Dome Carbon Dioxide Gas Unit			Well No. 1934-322 J		
Unit Letter J	Section 32	Township 19 North	Range 34 East	County Union				
Actual Footage Location of Well: 1960 feet from the South line and 1960 feet from the East line								
Ground Level Elev. 4906.5	Producing Formation Tubb		Pool Bravo Dome 640 acre Area			Dedicated Acreage: 640 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 Unitization

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
L. J. Leech
Position
Sr. Administrative Analyst
Company
Amoco Production Company
Date
11-17-88

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.

November 3, 1988
Data Surveyed
NEW MEXICO
REGISTERED LAND SURVEYOR
N.M.L.S. 10034
Certificate No.

ATTACHMENT "B"

2000 PSI TWO-RAM BOP

BOP EQUIPMENT

1. BOP's may be manually operated. BOP's and all fittings must be in good condition and rated at 2000 psi w. p. minimum. (Reference Drilling Provisions for H₂S trim requirements.)
2. Equipment through which the bit must pass shall be at least as large as casing size being drilled through.
3. Fill-up line will be connected to the bell nipple. Kill line will not be used for fill-up line.
4. Ram arrangement in the preventers will be as follows:*

	<u>Drilling</u>	<u>Running Casing</u>
Upper Ram	Drill Pipe	Casing
Lower Ram	Blind	Blind

*Amoco Regional Drilling Superintendent may reverse location of rams.

5. Drilling spool may be eliminated if connections are available on the lower part of the BOP body.
6. BOP's to be pressure tested with clear water, (see Drilling Provisions).
7. Only original manufacturers replacement parts for blowout preventers and choke manifolds will be accepted.

CHOKE MANIFOLD

1. All equipment from the drilling spool to the chokes, including kill line equipment, shall be flanged or clamped and of a test pressure no less than that of the blowout preventer. All equipment downstream of chokes may be screw-end. Pressure gauge to be Cameron type or equivalent.
2. Valves upstream of chokes, including kill line valves, will be gate valves, slab type, with metal-to-metal seals. Valves downstream of chokes may be gate or plug valves. Valve next to drilling spool must be 3". Valves between cross and chokes will be 2" minimum. Valves downstream of chokes will be 2" minimum with a minimum pressure rating of 1000 psi.
3. Line and valves from the drilling spool or BOP outlet to the manifold cross and straight through to the pit must be 3", with minimum bends. Flare lines and valves downstream of chokes will be 2" minimum and securely tied down.
4. Kill line and valves will be 2" minimum.
5. Chokes will be manual adjustable.
6. If downstream manifolding of flare lines occurs then valves will be required between the chokes and the manifold header with minimum pressure rating of 1000 psi.

ACCESSORY EQUIPMENT

1. Upper kelly cock is required and shall be 2000 psi w. p. minimum with an ID equal or larger than the kelly ID.
2. TIW or comparable safety valve shall be available on rig floor with connections or subs to fit any tool joint in the string. Valve to be full bore 2000 psi w. p. minimum with ID equal or larger than the drill collar ID.
3. Extensions and hand wheels to be properly installed and braced at all times.

2,000 psi TWO-RAM BOP

