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P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

API # 30-059-20154

5A. Indicate Type of Lease
STATE FEE
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"/>		8. Farm or Lease Name BDCDGU 2433	
2. Name of Operator Amoco Production Company		9. Well No. 301	
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>G</u> LOCATED <u>1650</u> FEET FROM THE <u>North</u> LINE AND <u>1650</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>30</u> TWP. <u>24-N</u> RGT. <u>33-E</u> N44W		12. County Union	
19. Proposed Depth 3370'		19A. Formation Tubb	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DL, KI, etc.) 5260' GL	
21A. Kind & Status Plug. Bond Blanket-on-file		21B. Drilling Contractor NA	
22. Approx. Date Work will start: 7-8-81			

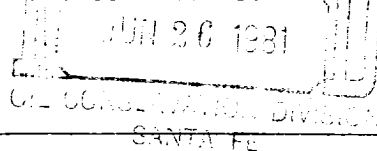
PROPOSED CASING AND CEMENT PROGRAM

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#	3370'	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 12-23-81
WELLS DRILLING UNDERWAY

0+2-NMOCD, SF 1-Hou 1-Susp 1-MKE 1-Amerada 1-UGI 1-Cities Svc.
1-Conoco 1-CO2 in Action 1-Excelsior 1-Sun Tex.

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 Admin. Analyst Date 6-24-81

(This space for State Use)

APPROVED BY Carl Ullrog TITLE SENIOR PETROLEUM GEOLOGIST DATE 6-26-81

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 O-107
Supersedes O-
Effective 1-1-6

All distances must be from the outer boundaries of the Section

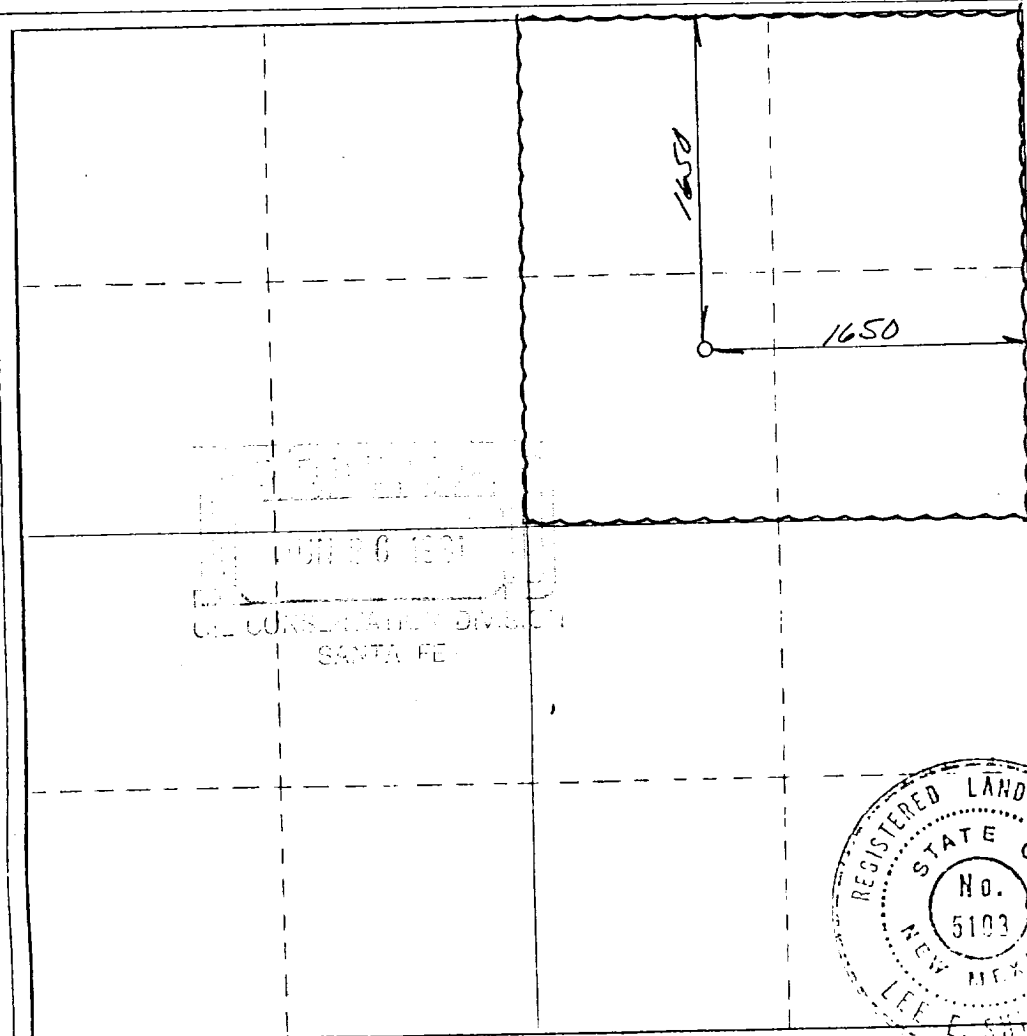
Operator AMOCO PRODUCTION COMPANY			Lease Bravo Dome CO2 Gas Unit		Well No. 2433 301G
Unit Letter G	Section 30	Township T24N	Range R33E	County UNION	
Actual Well Location of Well: 1650 feet from the NORTH line and 1650 feet from the EAST line					
Ground Level Elev. 5260	Producing Formation Tubb	Pool Und. Tubb		Dedicated Acreage: 160 Acr	

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.

Signature: *Marty [unclear]*

Position
Admin. Analyst

Company
Amoco Production Company

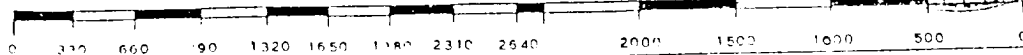
Date
6-24-81

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me under my supervision, and that the same is true and correct to the best of my knowledge and belief.

JUNE 23, 1981

Surveyed by: *[Signature]*
Registered Professional Engineer and Land Surveyor

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

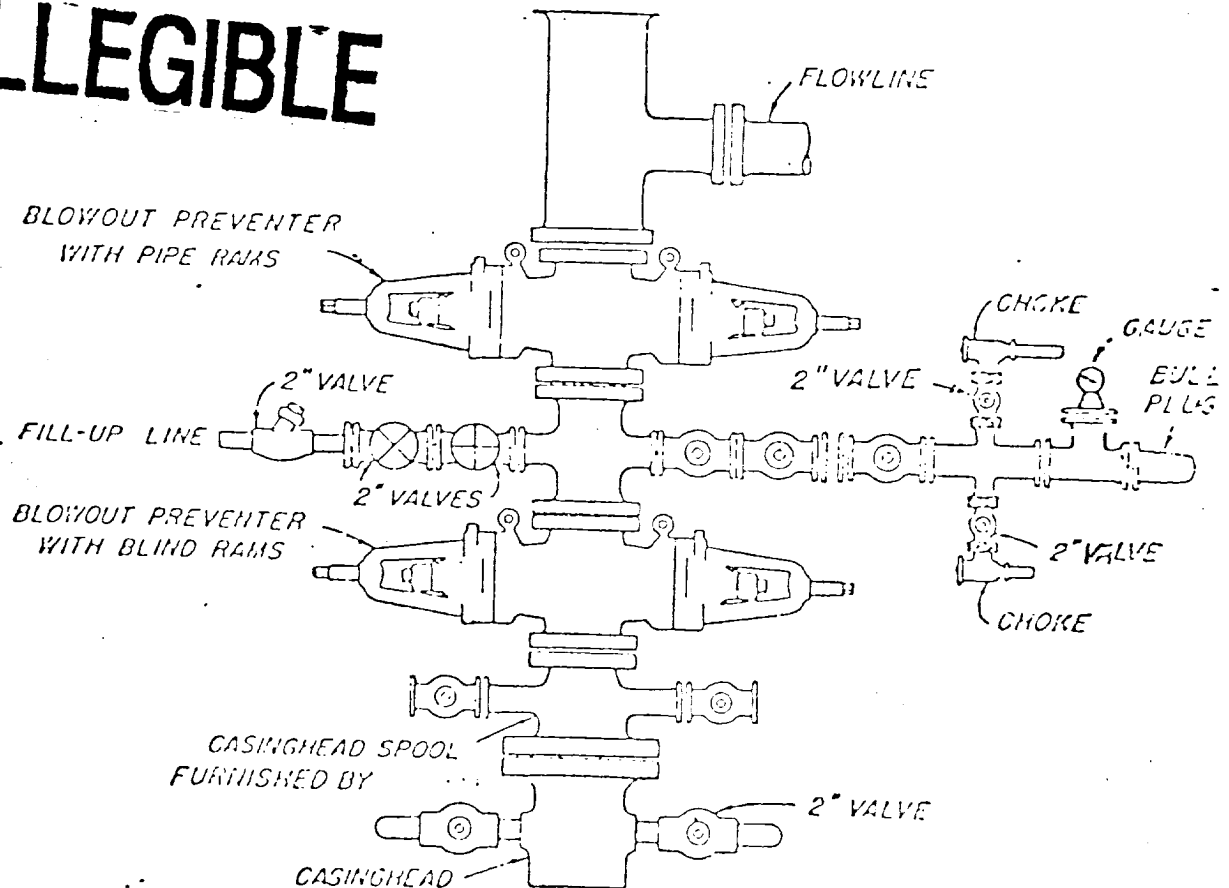


ATTACHMENT "B"
NOTES

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. Ripple 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
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ILLEGIBLE



BLOWOUT PREVENTER HOOK-UP

AMSCO PRELIMINARY CONNECTION

EXHIBIT D-1 MODIFIED

JUNE 1, 1962