

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION  
P. O. BOX 2082  
SANTA FE, NEW MEXICO 87501

**RECEIVED**  
JUL 17 1981  
Form C-101  
Revised 10-8-78  
5A. Indicate Type of Lease  
STATE ☒ FEDERAL ☐  
A. State Oil & Gas Lease No.

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DISTRIBUTION	
SANTA FE	
FILE	<input checked="" type="checkbox"/>
U.S.G.S.	
LAND OFFICE	
OPERATOR	

API # 30-059-20160

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> CO2 OTHER <input type="checkbox"/> 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 <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>16</u> TWP. <u>24-N</u> RGE. <u>32-E</u> NMDM 5. Elevations (Show whether DB, RT, etc.) 5505' GL 21A. Kind & Status Plug. Bond Blanket-on-file 19. Proposed Depth 3655' 21B. Drilling Contractor NA 7. Unit Agreement Name BDCDGU 8. Farm or Lease Name BDCDGU 2432 9. Well No. 161 10. Field and Pool, or Wildcat Und. Tubb 11. County Union 12. Formation Tubb 13. Rotary or C.T. Rotary 22. Approx. Date Work will start 7-20-81	
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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#	3655'	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 1-14-82  
UNLESS DRILLING UNDERWAY

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

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 FLOWOUT 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 7-14-81

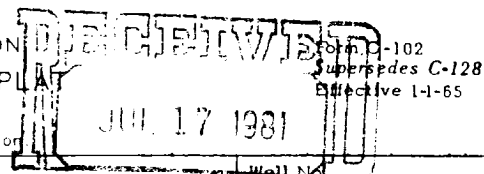
(This space for State Use)

APPROVED BY Carl Ulrey TITLE SENIOR PETROLEUM GEOLOGIST DATE 7-17-81

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



All distances must be from the outer boundaries of the Section

Operator <b>AMOCO PRODUCTION COMPANY</b>			Lease <b>Bravo Dome CO<sub>2</sub> Gas Unit</b>		Well No. <b>2432-161G</b>
Unit Letter <b>G</b>	Section <b>16</b>	Township <b>T24N</b>	Range <b>R32E</b>	County <b>SANTA FE</b>	
Actual Footage Location of Well: <b>1650</b> feet from the <b>NORTH</b> line and <b>1650</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>5505</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 hatchure 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

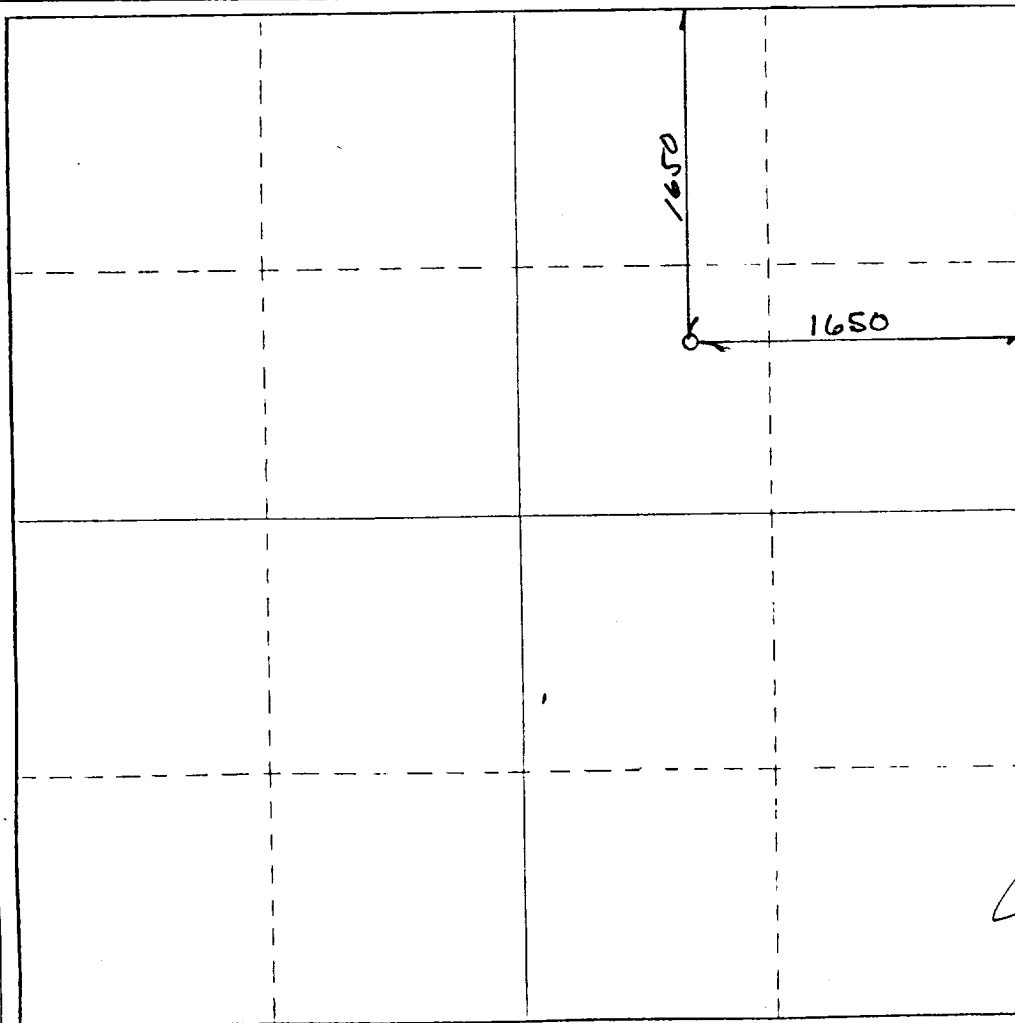
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name *Mark S. Shields*  
Position Admin. Analyst  
Company Amoco Production Company  
Date 7-14-81

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.

JUNE 8 1981

Date Surveyed JUL 14 1981  
Registered Professional Engineer  
and/or Land Surveyor  
*Mark S. Shields*  
5103  
N.M.L.S. NO. 5103  
Certificate No. E. SHIELD

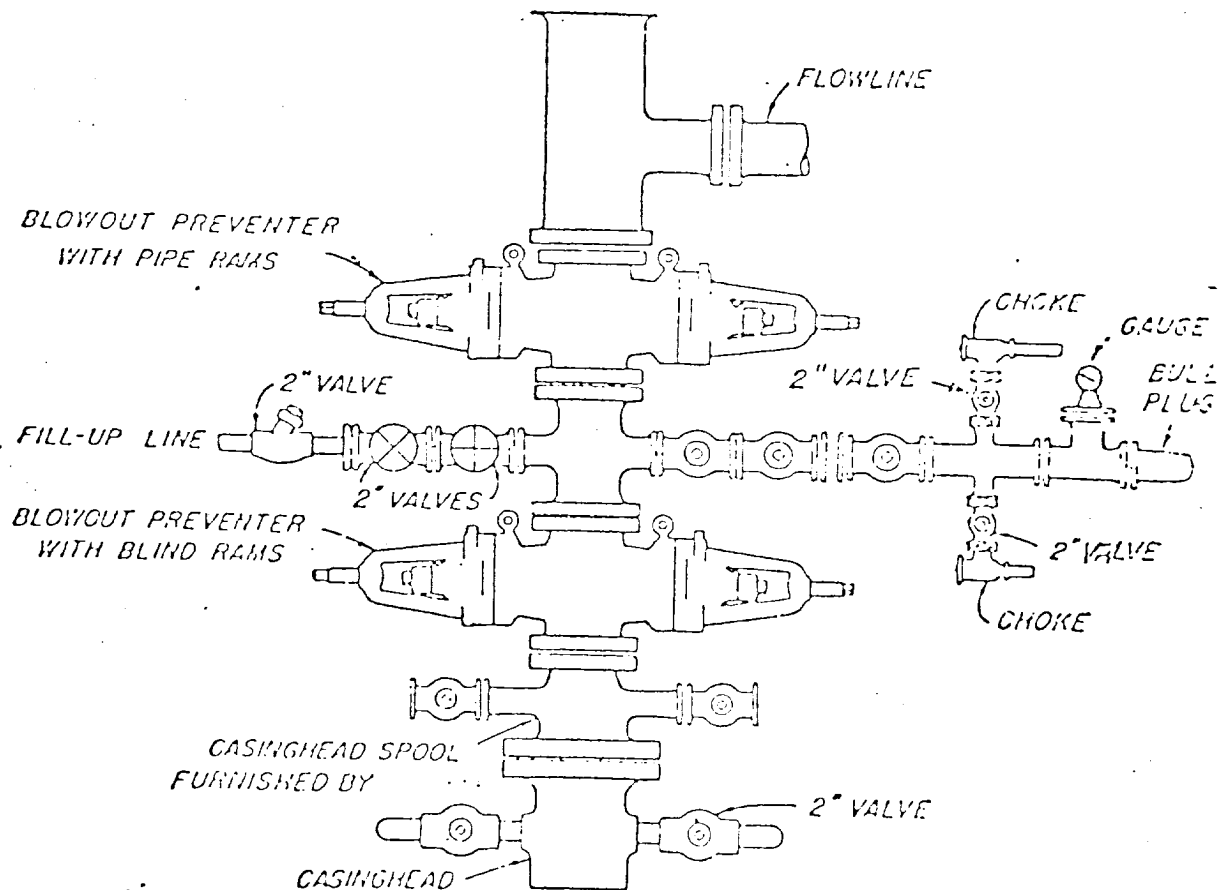


0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

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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. 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. OHSCO 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 Amoro.
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, 1982