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LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name South Hobbs (GSA) Unit	
2. Name of Operator AMOCO PRODUCTION COMPANY		9. Well No. 197	
3. Address of Operator P.O. BOX 68 HOBBS, NEW MEXICO 88240		10. Field and Pool, or Wildcat HOBBS GSA	
4. Location of Well SL/BHL UNIT LETTER L LOCATED 2030/2600 FEET FROM THE South LINE AND 860/689 FEET FROM THE West LINE OF SEC. 34 TWP. 18-S RCE. 38-E NMPM		12. County LEA	
11. Elevations (show whether Dr., K.I., etc.) 3625.2' GL		19. Proposed Depth 4300'	19A. Formation GRAYBURG-SAN ANDRES
21A. Kind & Status Plug. bond BLANKET-ON-FILE		21B. Drilling Contractor N/A	20. History or C.T. ROTARY
22. Approx. Date Work will start 4th QUARTER 1985			

23.

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
14 3/4"	10 3/4"	40.5	1600'	Circulate to surface	
9 7/8"	7"	23 #	4300'	Circulate to surface	

Propose to drill and equip well in the Grayburg-San Andres Formation. After reaching TD, logs will be run and evaluated. Perforate and stimulate as necessary in attempting commercial production. Reference Administrative Order No. DD-4.

Mud Program: 0 - 1600' Native Spud Mud  
1600 - 3800' Brine Water  
3800 - 4200' Salt Gel/Starch

Permit Expires 6 Months From Approval  
Date Unless Drilling Underway.

BOP Diagram Attached

O+5 NMCD, H 1-JRB 1-FJN 1-CMH 1-Shell 1-Arco

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 Mary C. Clark Title Administrative Analyst Date 10-9-85

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

OCT 10 1985

APPROVED BY DISTRICT SUPERVISOR TITLE  DATE

CONDITIONS OF APPROVAL, IF ANY:

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O.C.D.  
HOBBS OFFICE

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.

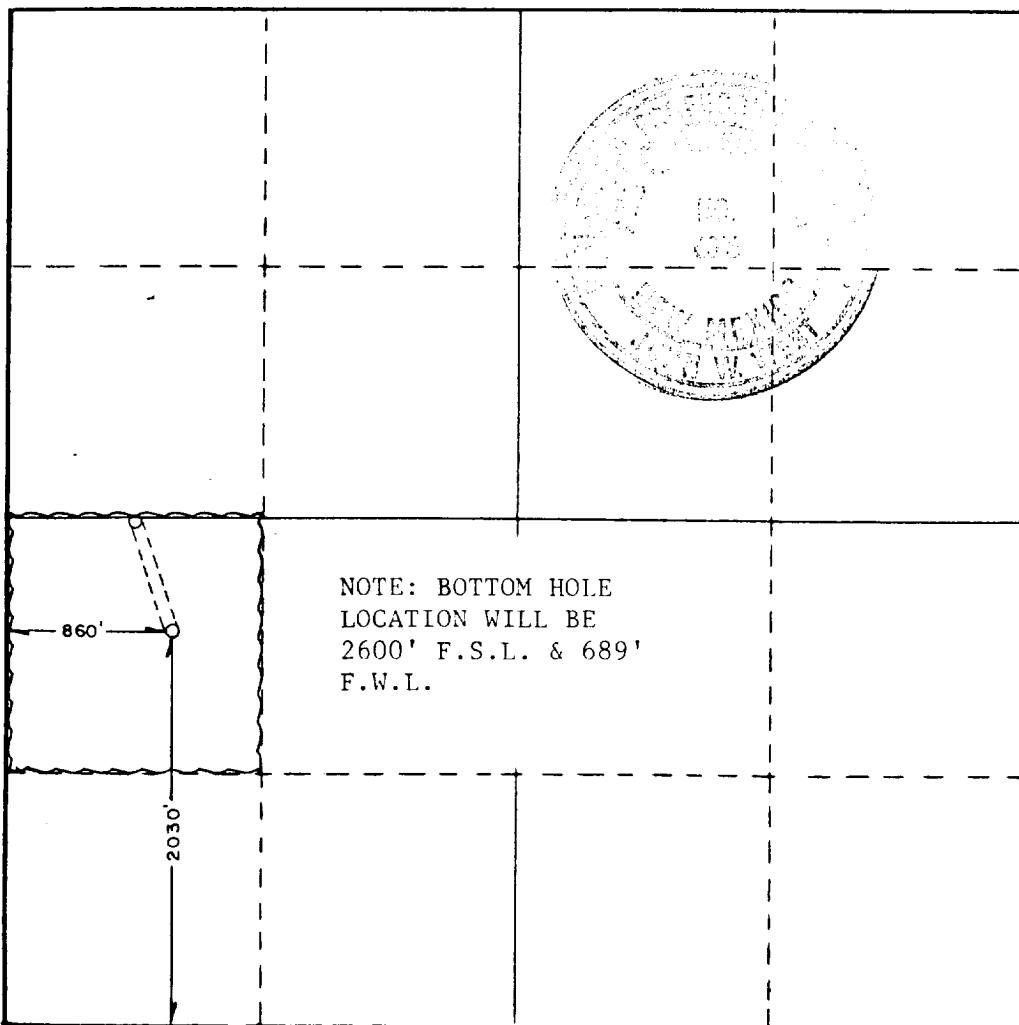
Operator <b>AMOCO PRODUCTION COMPANY</b>		Lease <b>SOUTH HOBBS GRAYBURG SAN ANDRES UNIT</b>		Well No. <b>197</b>
Unit Letter <b>L</b>	Section <b>34</b>	Township <b>18 SOUTH</b>	Range <b>38 EAST</b>	County <b>LEA</b>
Actual Footage Location of Well: <b>2030</b> feet from the <b>SOUTH</b> line and <b>860</b> feet from the <b>WEST</b> line				
Ground Level/Elev. <b>3625.2'</b>	Producing Formation <b>Grayburg-San Andres</b>	Pool <b>Hobbs GSA</b>	Dedicated Acreage: <b>40</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 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 Commission.



CERTIFICATION

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

Name Harry C. Clark  
Position Admin. Analyst  
Company Amoco Production Co.  
Date 10-9-85

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.

Date Surveyed  
**AUGUST 15, 1985**

Registered Professional Engineer  
and/or Land Surveyor

John W. West

Certificate No. **JOHN W. WEST, 676**  
**RONALD J. EIDSON, 3239**

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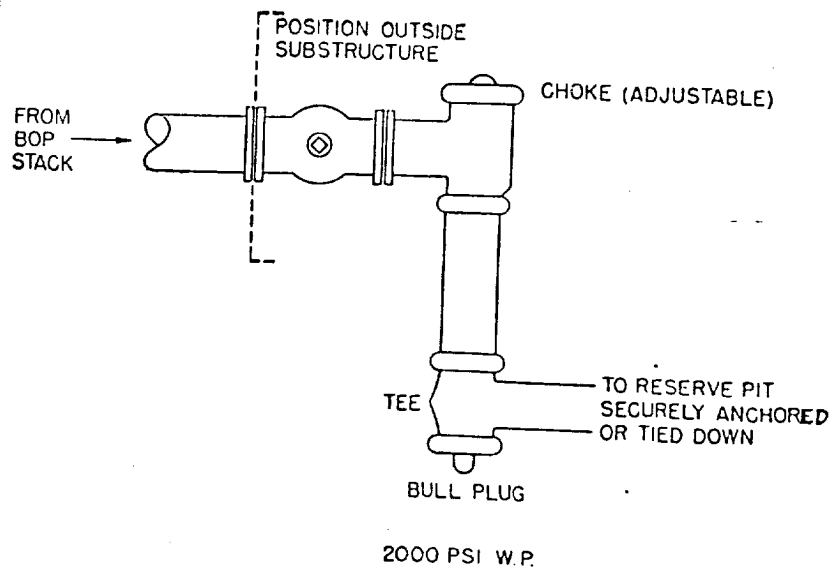
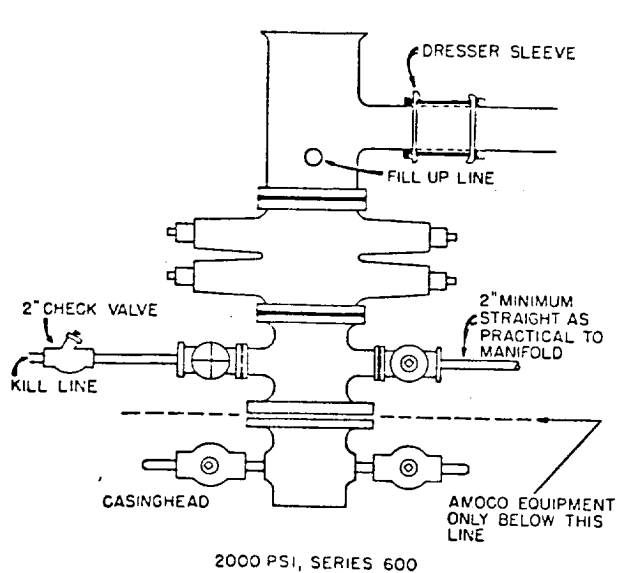
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STANDARD 2000 PSI W.P. BOP STACK

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.



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*Consent Order*

*FD*