

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87108

OIL CON. DIV.  
PAC 3

30-045-25741

Form C-101  
Revised 10-1-78

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 b. Type of Well 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"/>		7. Unit Agreement Name	
2. Name of Operator Amoco Production Co.		8. Form or Lease Name Candelaria 'B'	
3. Address of Operator 501 Airport Drive Farmington, NM		9. Well No. 1	
4. Location of Well UNIT LETTER M LOCATED 960 FEET FROM THE south LINE AND 820 FEET FROM THE west LINE OF SEC. 22 TWP. 29N RGE. 10W NMPM		10. Field and Pool, or Wildcat Armenta Gallup Ext.	
11. Proposed Depth 5900'		12. County San Juan	
19A. Formation Gallup		20. Rotary or C.T. Rotary	
21. Elevations (Show whether DE, RT, etc.) 5520' GL		22. Approx. Date Work will start as soon as permitted	
21A. Kind & Status Plug. Bond Statewide		21B. Drilling Contractor unknown	

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"	11 3/4"	H-40 42#	300'	51 sacks	surface
*10 5/8"	8 5/8"	H-40 24#	3450'	410 sacks	surface
7 7/8"	5 1/2"	K-55 15.5#	5900'	390 sacks	2000'

Amoco proposes to drill the above well to further develop the Armenta Gallup reservoirs. The well will be drilled to the surface casing point using native mud. The well will then be drilled to TD with a low solids non-dispersed mud system. Completion design will be based on open hole logs. Copies of all logs will be filed upon completion. Amoco's standard blowout prevention will be employed; see attached drawing for blowout preventer design.

The gas produced from this well is not dedicated.

APPROVAL EXPIRES December 9, 1983  
UNLESS DRILLING IS COMMENCED.  
SPUD NOTICE MUST BE SUBMITTED  
WITHIN 10 DAYS

\*Intermediate casing is contingent upon whether high water flow is encountered.

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.

Original Signed By D.D. Lawson Title District Engineer Date 6-7-83

(This space for State Use)

SUPERVISOR DISTRICT # 3

JUN 9 1983

APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088  
SANTA FE, NEW MEXICO 87501Form C-102  
Revised 10-1-78

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

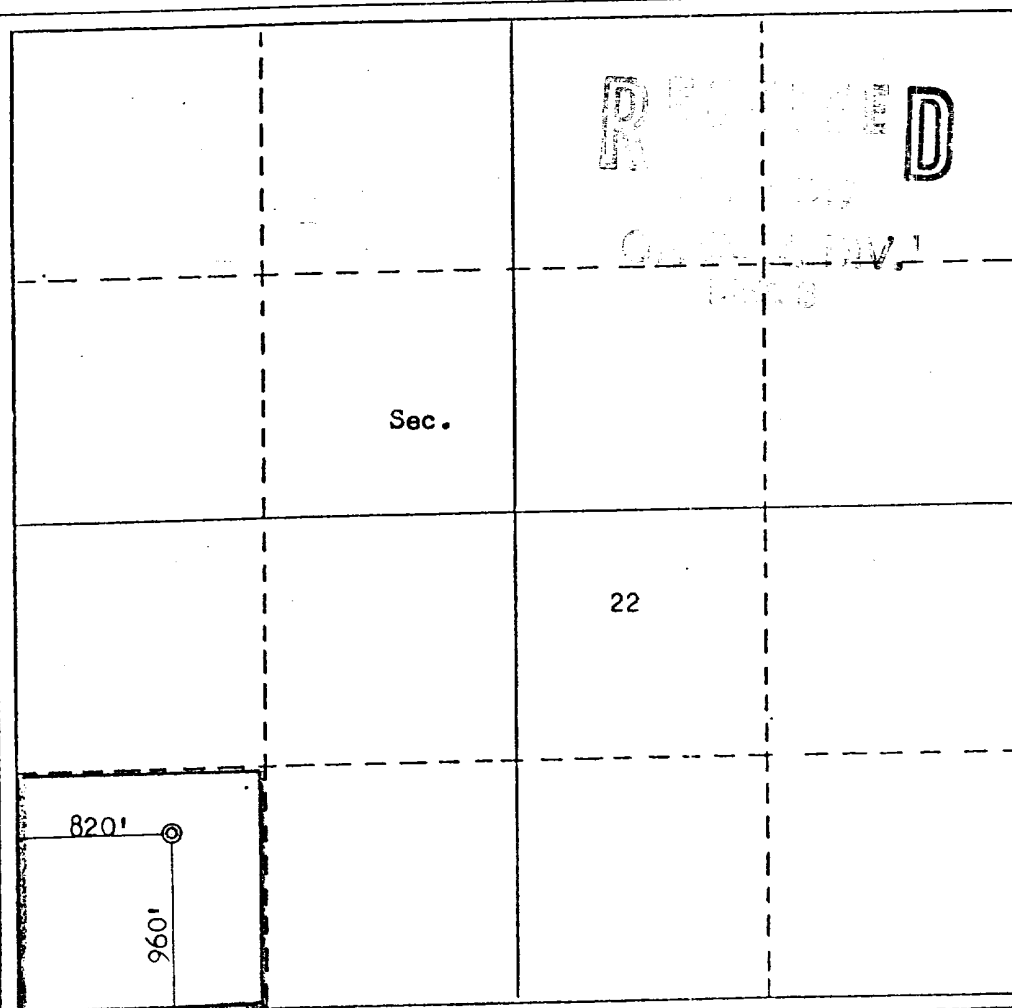
Operator <b>AMOCO PRODUCTION COMPANY</b>			Lease <b>CANDELARIA "B"</b>		Well No. <b>1</b>
Unit Letter <b>M</b>	Section <b>22</b>	Township <b>29N</b>	Range <b>10W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>960</b> feet from the <b>South</b> line and <b>820</b> feet from the <b>West</b> line					
Ground Level Elev. <b>5520</b>	Producing Formation <b>Gallup</b>	Pool <b>Armenta Gallup Ext.</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 \_\_\_\_\_

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.

*Dale H. Shoemaker*

Name  
**Dale H. Shoemaker**

Position  
**District Engineer**

Company  
**Amoco Production Co.**

Date  
**June 8, 1983**

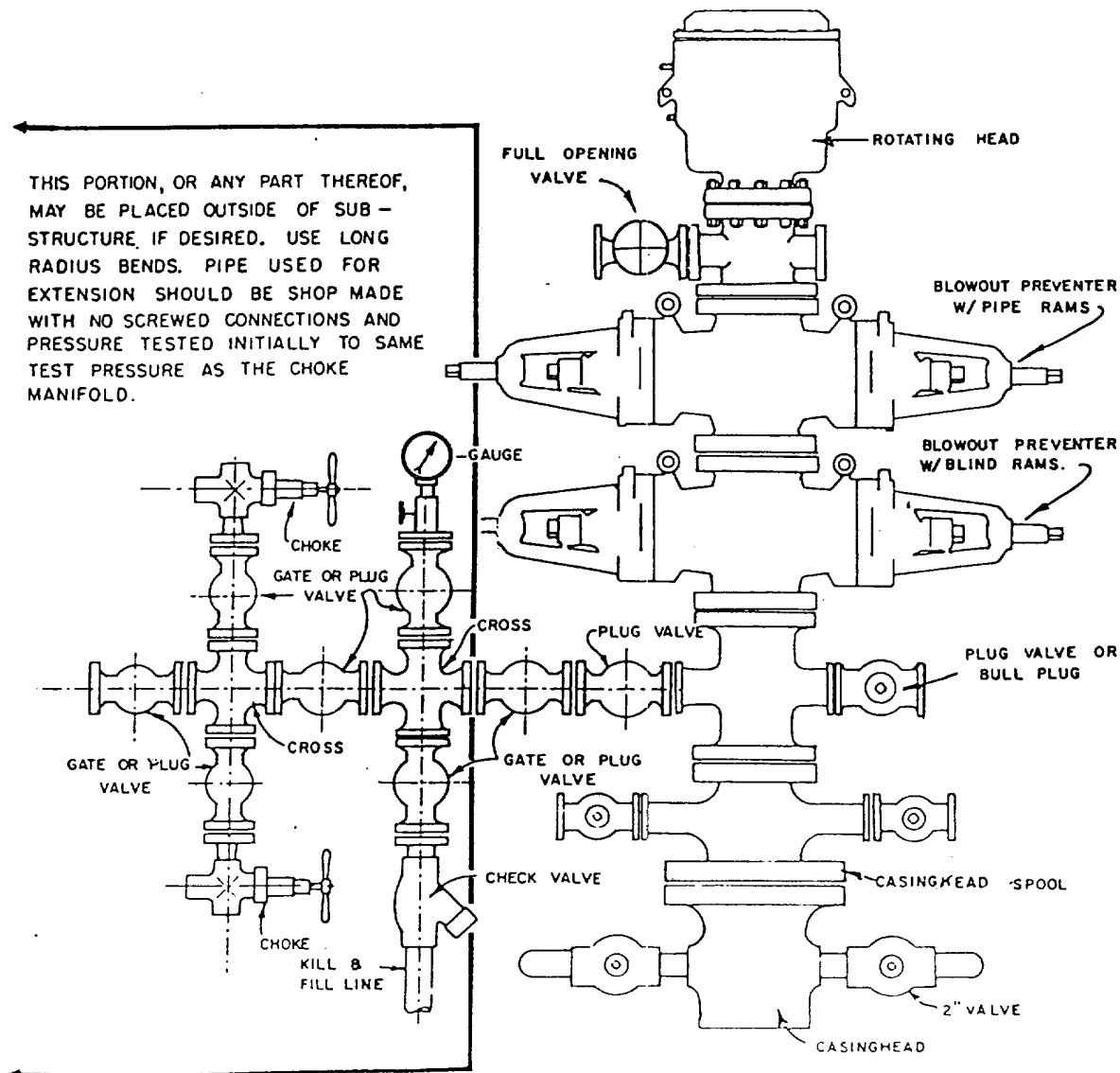
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**June 8, 1983**  
Registered Professional Engineer  
and/or Land Surveyor

*Fred B. Kern Jr.*  
**Fred B. Kern Jr.**  
Certificate No. **FRED B. KERN**

3950

1. Blowout Preventers and Master Valve to be fluid operated, and all fittings must be in good condition.
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 Blowout Preventer shall be same size or larger than BOP being drilled through.
4. All fittings to be flanged.
5. Omsco or comparable safety valve must be available on rig floor at all times with proper connection or sub. The I.D. of safety valve should be as great as I.D. of tool joints of drill pipe, or at least as great as I.D. of drill collars.



## BLOWOUT PREVENTER HOOKUP

API Series # 900

EXHIBIT D-4

OCTOBER 16, 1969

Operation of BOP by closing both pipe and blind rams will be tested each trip or, on long bit runs, pipe rams will be closed once each 24 hours.