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LAND OFFICE	
OPERATOR	

30-045 25520

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"/>		5A. Indicate Type of Lease STATE <input type="checkbox"/> FEDERAL <input checked="" type="checkbox"/>
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. State Oil & Gas Lease No.
2. Name of Operator Amoco Production Company		7. Unit Agreement Name
3. Address of Operator 501 Airport Dr., Farmington, NM 87401		8. Firm or Lessee Name Armenta Gas Com D
4. Location of Well UNIT LETTER <u>J</u> LOCATED <u>1850'</u> FEET FROM THE <u>South</u> LINE AND <u>1850'</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>27</u> TWP. <u>29N</u> RGE. <u>10W</u> NMPM		9. Well No. <u>1</u>
		10. Field and Pool or Wildcat <u>Armenta Gallup/ Bloomfield Chacra Ext.</u>
		12. County <u>San Juan</u>
		13. Proposed Depth <u>5800'</u>
		19A. Formation <u>Gallup/Chacra</u>
		20. Rotary or C.T. <u>Rotary</u>
21. Elevations (Show whether DT, RT, etc.) <u>5513' GL</u>	21A. Kind & Status Plug. Bond <u>Statewide</u>	21B. Drilling Contractor <u>Unknown</u>
		22. Approx. Date Work will start <u>As soon as permitted</u>

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2"	13-3/8"	48# H-40	300'	160 sx	Surface
12-1/4"	9-5/8"	40# N-80	3455'	1110 sx	Surface
8-1/2"	7" Liner	26# K-55	5300'	280 sx	3255'
6-1/4"	None	-----	5800'	None	-----

Amoco proposes to drill the above well to develop the Armenta Gallup/Bloomfield Chacra reservoirs. The well will be drilled to the surface casing point using native mud. The well will then be drilled to 3455' with a low solids non-dispersed mud system and to TD with gas/mist. Completion design will be based on open hole logs. Copy of all logs will be filed upon completion. Amoco's standard blowout prevention will be employed; see attached drawing for blowout prevention design.

The gas from this well is not dedicated to a gas sales contract.

APPROVED FOR  
FOR LAND SURVEY  
DRILLING CONTRACTOR

EXPIRES 11/16/1983

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 D. H. SHOEMAKER Title District Engineer Date 11-10-82

(This space for State Use)

SUPERVISOR DISTRICT # 3

NOV 16 1982

APPROVED BY [Signature] TITLE [Signature] DATE [Signature]

CONDITIONS OF APPROVAL, IF ANY:

## OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107

Revised 10-1-78

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

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

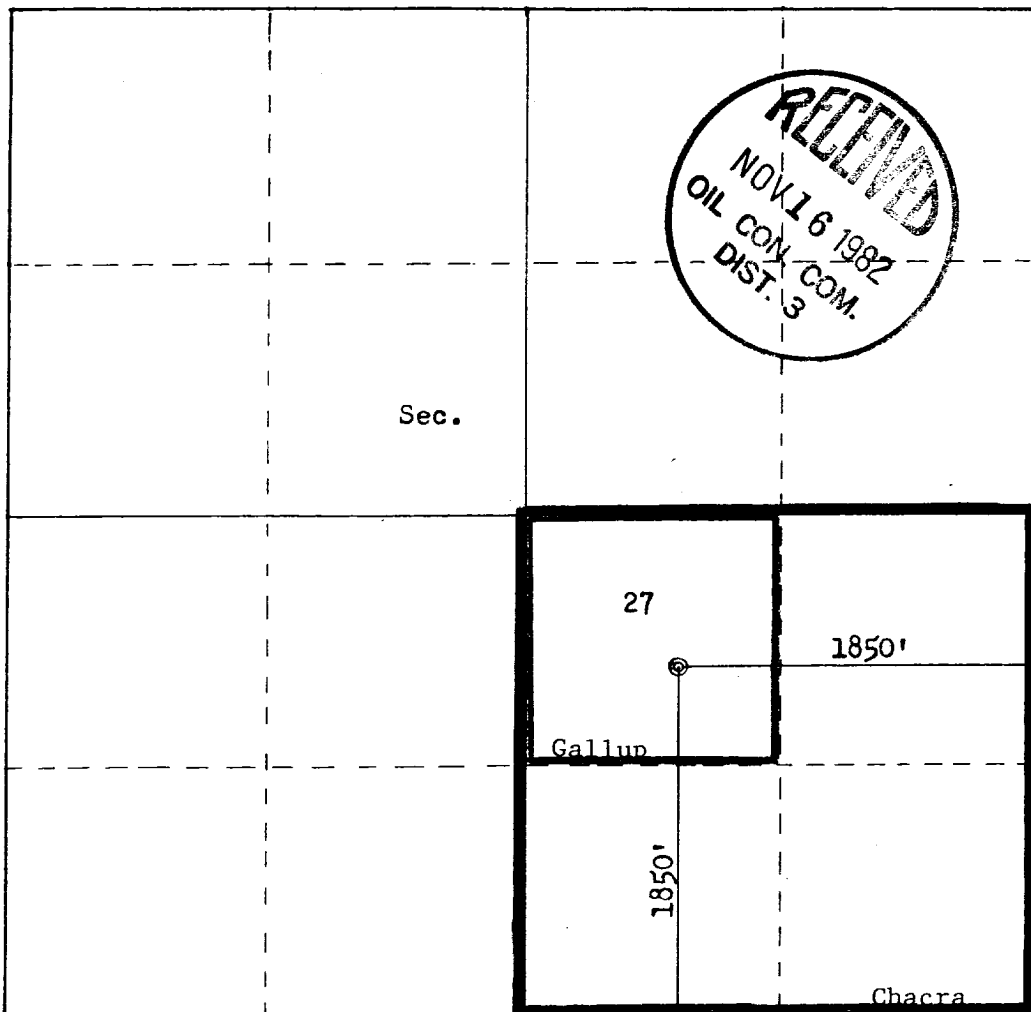
Operator <b>AMOCO PRODUCTION COMPANY</b>			Lease <b>ARMENTA GAS COM "D"</b>		Well No. <b>1</b>
Unit Letter <b>J</b>	Section <b>27</b>	Township <b>29N</b>	Range <b>10W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1850</b> feet from the <b>South</b> line and <b>1850</b> feet from the <b>East</b> line					
Ground Level Elev. <b>5513</b>	Producing Formation <b>Gallup / Chacra</b>	Pool <b>Armenta Gallup/Bloomfield Chacra</b>		Dedicated Acreage: <b>40/160</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 Communitization

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.



Scale: 1"=1000'

## CERTIFICATION

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

*D. H. Shoemaker*

Name

D. H. SHOEMAKER

Position

DISTRICT ENGINEER

Company

AMOCO PRODUCTION COMPANY

Date

NOVEMBER 15, 1982

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

November 3, 1982

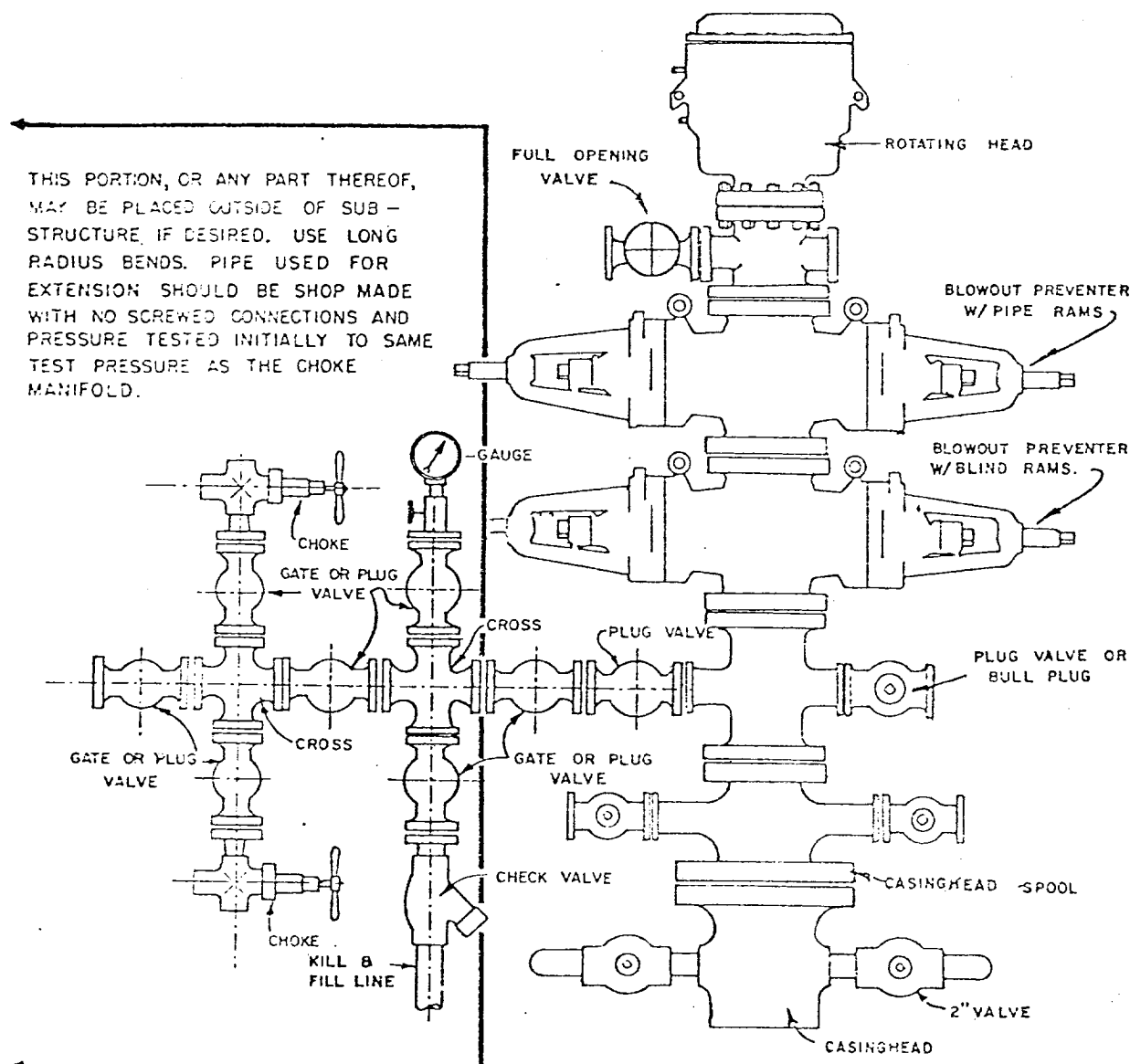
Registered Professional Engineer and Land Surveyor

*Fred B. Kerr Jr.*  
Fred B. Kerr Jr.

Certificate No.

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.