

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

30-C45-25509

Form C-101  
Revised 10-1-78

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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

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	
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		8. Firm or Lease Name Romero Gas Com A	
2. Name of Operator Amoco Production Company		9. Well No. 1	
3. Address of Operator 501 Airport Dr., Farmington, NM 87401		10. Field and Pool or Wildcat Armenta Gallup/ Bloomfield Chacra Ext.	
4. Location of Well UNIT LETTER K LOCATED 1850 FEET FROM THE South LINE AND 1850 FEET FROM THE West LINE OF SEC. 27 TWP. 29N RGT. 10W		11. County San Juan	
13. Proposed Depth 5800'		15A. Formation Gallup/Chacra	
21. Elevations (show whether DE, RT, etc.) 5496' GL		23. Rotary or C.T. Rotary	
21A. Kind & Status Plug. Bond Statewide		22. Approx. Date Work will start As soon as permitted	
21B. Drilling Contractor Unknown			

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"	36# K-55	3445'	1110 sx	Surface
8-1/2"	7" Liner	23# K-55	5290'	280 sx	3245'
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 3445' 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.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,

EXPIRES 5-12-83

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 PREVENTION 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)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT 14.2 DATE NOV 12 1982

CONDITIONS OF APPROVAL, IF ANY:

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

Operator AMOCO PRODUCTION COMPANY		Lease ROMERO GAS COM "A"		Well No. 1	
Unit Letter K	Section 27	Township 29N	Range 10W	County San Juan	
Actual Footage Location of Well: 1850 feet from the South line and 1850 feet from the West line					
Ground Level Elev: 5496	Producing Formation Gallup / Chacra	Pool Armenta Gallup/Bloomfield Chacra	Ext. 40/160	Dedicated Acreage: Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.</p> <p>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).</p> <p>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?</p> <p><input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No    If answer is "yes," type of consolidation <u>Communitization</u></p> <p>If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)</p> <p>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.</p>					

fee surface  
fee minerals

Sec.

27

1850'

1850'

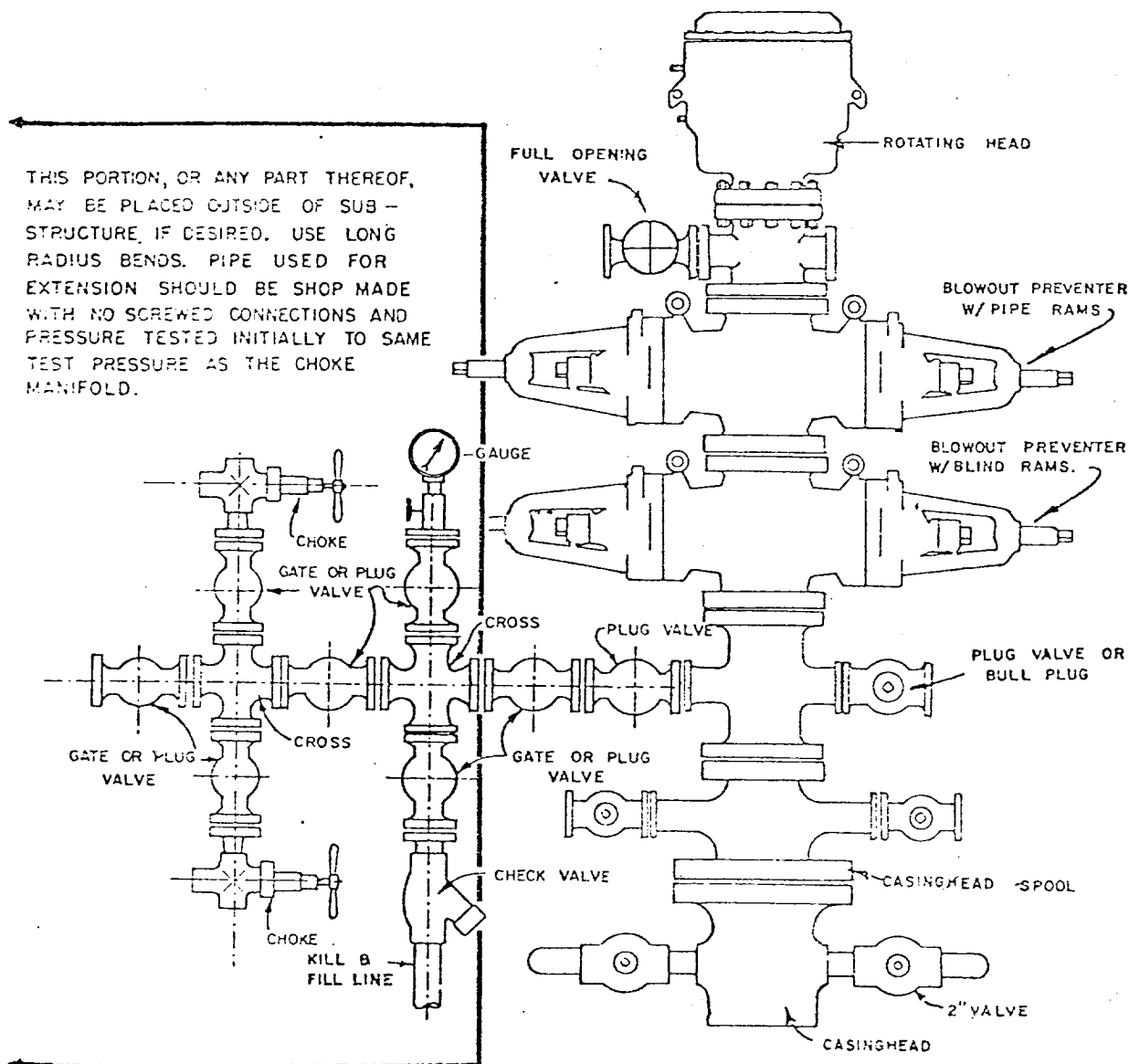
Chacra

The map shows a grid with a well location marked by a circle with a dot. The well is located at the intersection of a horizontal line labeled '1850'' and a vertical line labeled '1850''. The area is divided into sections, with 'Sec.' and '27' labeled. The text 'fee surface' and 'fee minerals' is in the top left corner. The word 'Chacra' is in the bottom right corner.

Scale: 1"=1000'

<p align="center"><b>CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>D. H. Shoemaker</i></p>	
Name	D. H. SHOEMAKER
Position	DISTRICT ENGINEER
Company	AMOCO PRODUCTION COMPANY
Date	NOVEMBER 10, 1982
<p>I hereby certify that the well location shown on this plot 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.</p>	
Date Surveyed	November 5, 1982.
Registered Professional Engineer and Land Surveyor	<p><i>Fred B. Kerr Jr.</i></p> <p>Fred B. Kerr Jr.</p>
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, 1959

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.