

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease LEASE <input checked="" type="checkbox"/> WELL <input type="checkbox"/>
5. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Term or Lease Name State Gas Com CA
9. Well No. 1
10. Field and Pool, or Wildcat Otero Chacra
12. County San Juan

## 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"/>	1b. Type of Well CIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>
2. Name of Operator Amoco Production Company		
3. Address of Operator 501 Airport Drive, Farmington, New Mexico 87401		
4. Location of Well UNIT LETTER <u>A</u> LOCATED <u>820</u> FEET FROM THE <u>North</u> LINE AND <u>1070</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>16</u> TWP. <u>29N</u> R. <u>11W</u> HMPM		
19. Proposed Depth 2997'		
19A. Formation Chacra		
20. Rotary or C.T. Rotary		
21. Elevations (Show whether DP, RL, etc.) 5601' GR	21A. Kind & Status Plug. Bond Statewide	21B. Drilling Contractor Unknown
22. Approx. Date Work will start As soon as permitted		

23.

## 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"	32#	300'	320	Surface
6-3/4"	4-1/2"	10.5#	2997'	440	Surface.

Amoco Proposes to drill the above referenced well to further develop the Otero Chacra Reservoir. 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 will be designed after evaluation of open hole logs. Copies of all logs will be filed upon completion. Upon completion the well location will be cleaned and the reserve pit filled and leveled.

Gas produced from this well is dedicated to Northwest Pipeline Contract No. 108394.

APPROVAL EXPIRES 6-30-84  
UNLESS DRILLING IS COMMENCED.  
SPUD NOTICE MUST BE SUBMITTED  
WITHIN 10 DAYS.

RECEIVED

JAN 30 1984

OIL CON. DIV.

DIST. 3

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTION AND PROPOSED NEW PRODUCTION. 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 Original Signed By D.D. Lawson Title District Adm. Supervisor Date January 27, 1984

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT #3 DATE JAN 30 1984

CONDITIONS OF APPROVAL, IF ANY:

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

Operator Amoco Production Company			Lease State Gas Com CA		Well No. 1
Unit Letter A	Section 16	Township 29N	Range 11W	County San Juan	
Actual Footage Location of Well: 820 feet from the North line and 1070 feet from the East line					
Ground Level Elev: 5601	Producing Formation Chacra		Pool Otero Chacra	Dedicated Acreage: 160 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 Communitized

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.

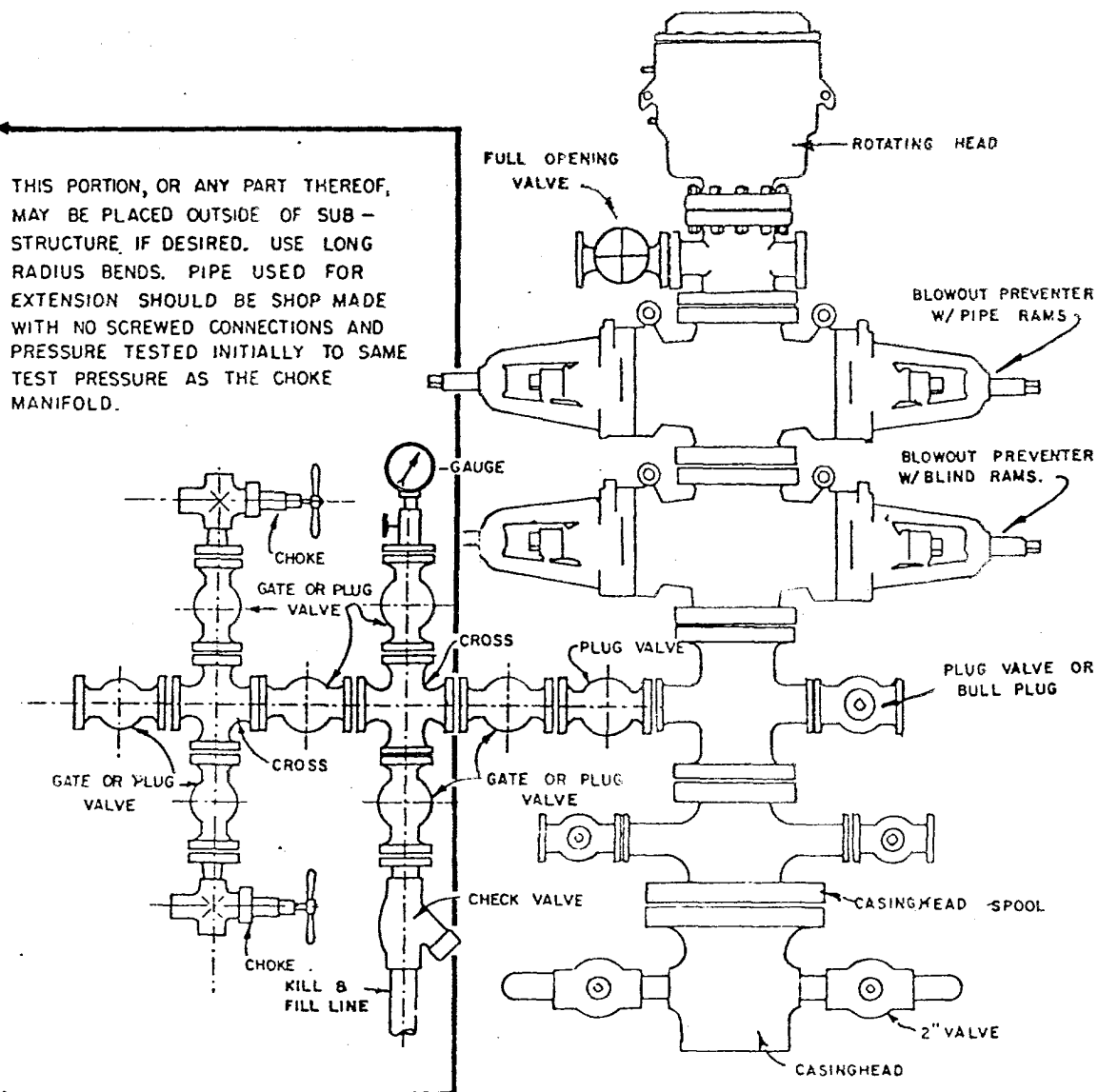
<p><b>RECEIVED</b> JAN 30 1984 OIL CON. DIV. DIST. 3</p>	<p>820'</p> <p>1070'</p>
	<p>Sec</p> <p>16</p>

Scale: 1"=1000'

<p><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>Original Signed By <u>D.D. Lawson</u></p>	
Name	Darrell D. Lawson
Position	District Adm. Supervisor
Company	Amoco Production Company
Date	January 18, 1984
<p>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.</p>	
Date Surveyed	January 10, 1984
Registered Professional Engineer and Land Surveyor	<u>Fred B. Kerr Jr.</u>
Certificate No.	3950

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

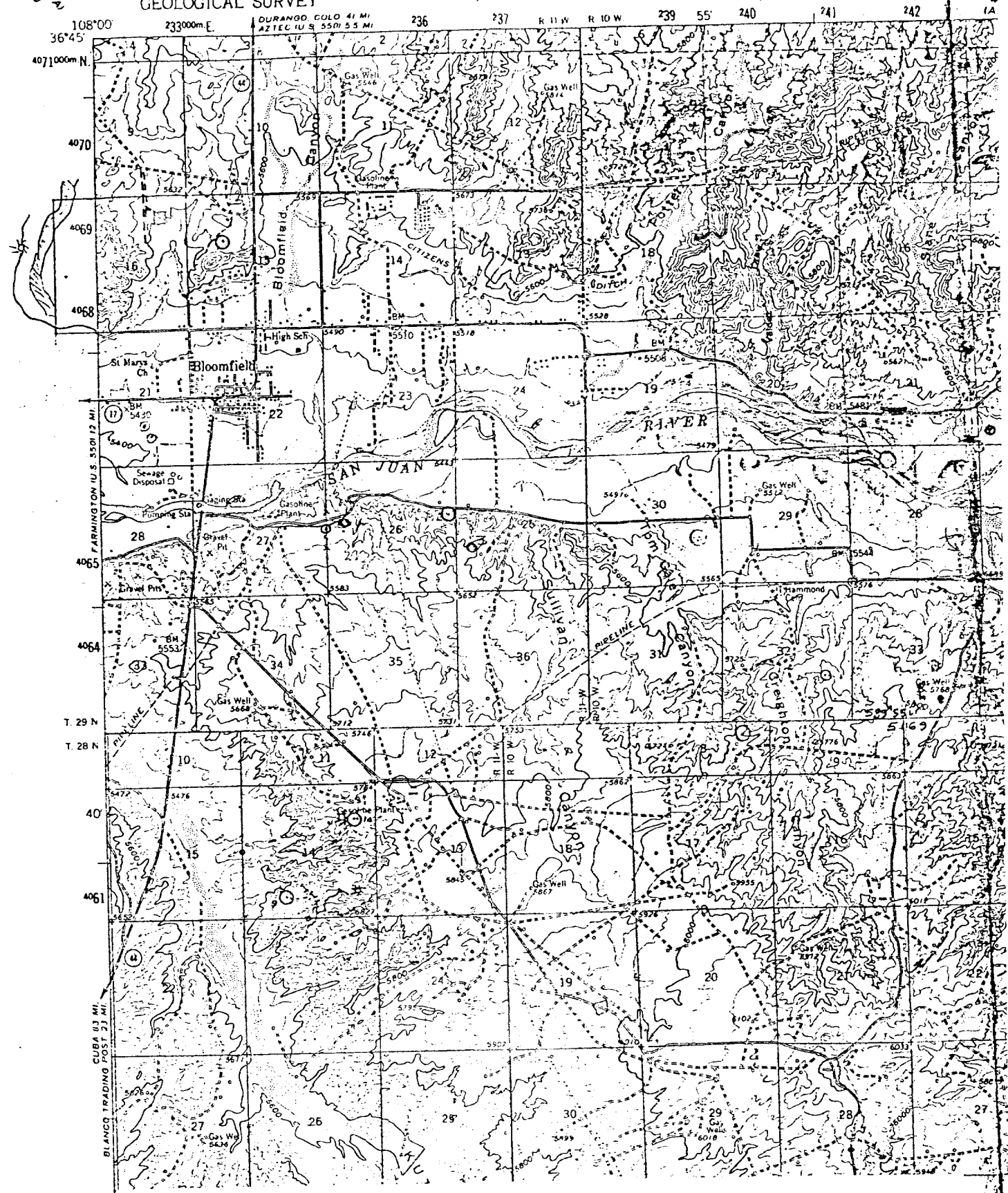
OCTOBER 16, 1969

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.

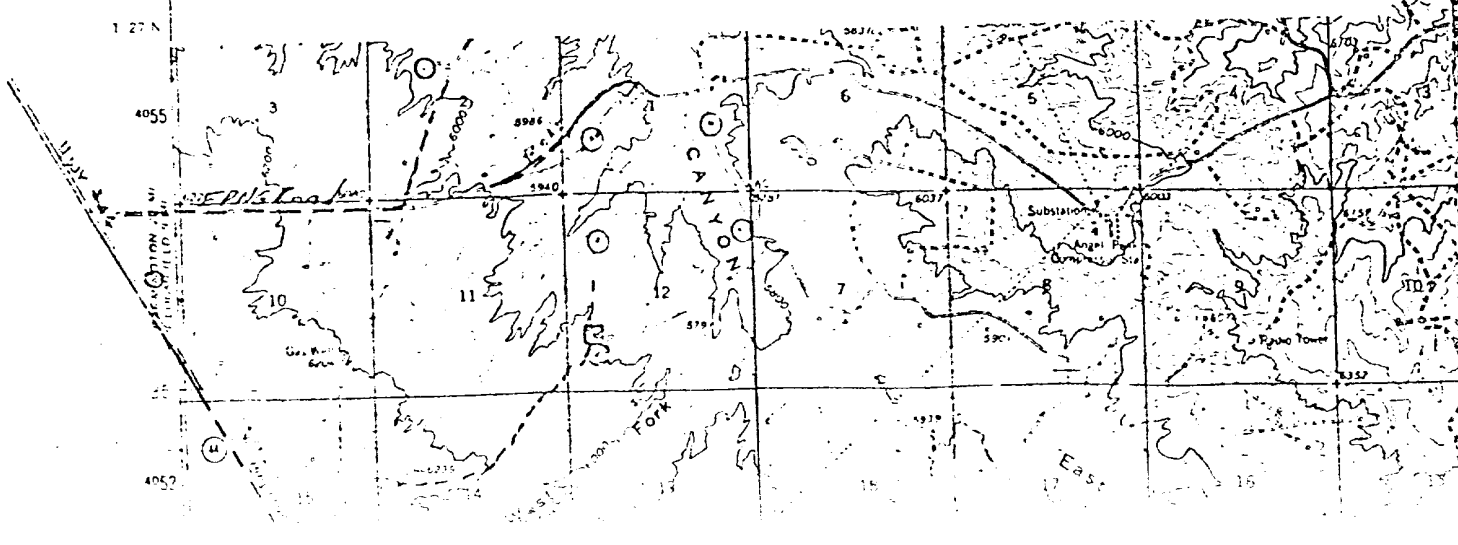
820'15E  
FLORA VISTA  
1:24,000

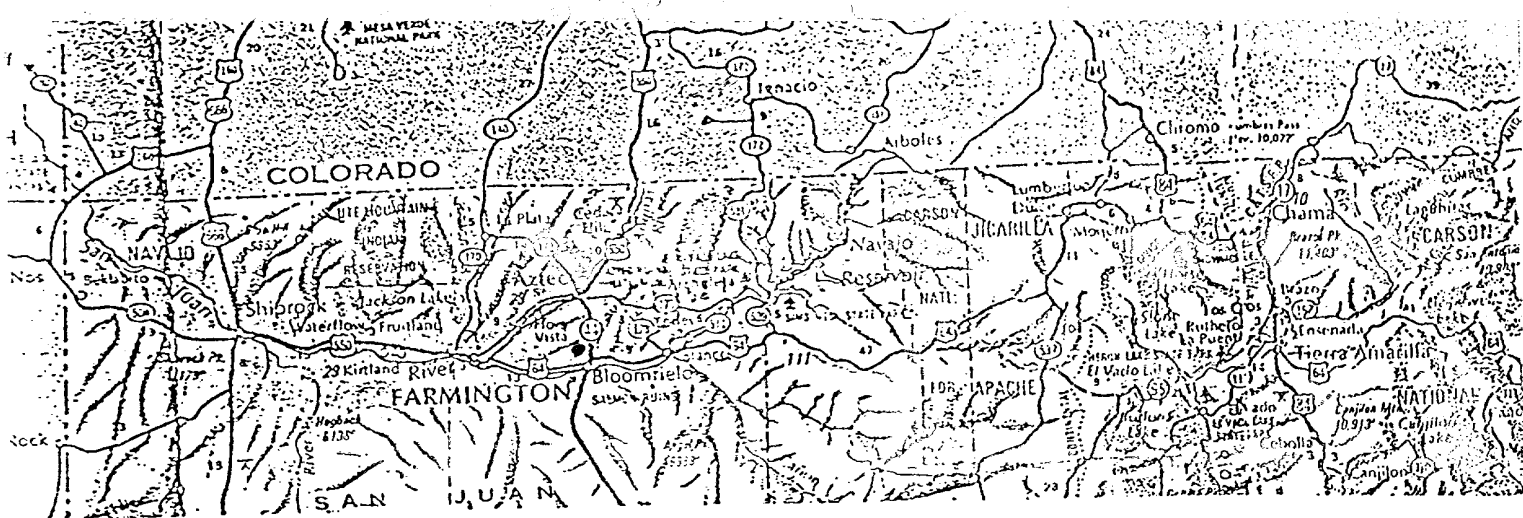
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

770-5  
21-10



Vicinity Map for  
Amoco Production Company #1 State Gas Com CA  
820'FNL 1070'FEL Sec 16-29N-11W  
San Juan County New Mexico

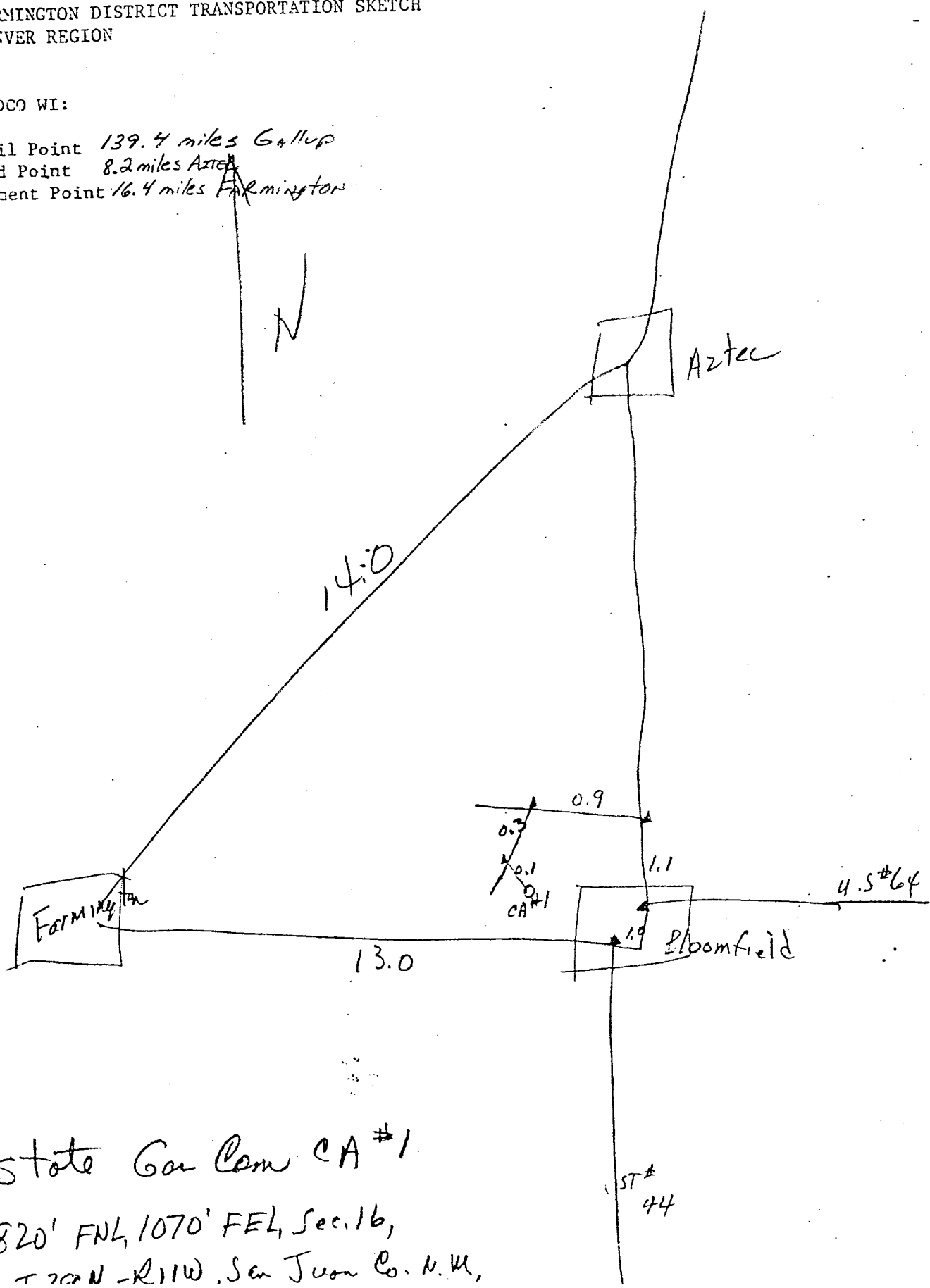




FARMINGTON DISTRICT TRANSPORTATION SKETCH  
DENVER REGION

AXOCO WI:

Rail Point 139.4 miles Gallup  
Mud Point 8.2 miles Aztec  
Cement Point 16.4 miles Farmington



State Gas Com CA #1  
820' FNL, 1070' FEL, Sec. 16,  
T 20N - R 11W, San Juan Co. N.M.,