

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER INFILL

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

AMOCO PRODUCTION COMPANY

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

J 1570' FSL and 1840' FEL, Section 14, T27N, R10W

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

10.5 miles South of Blanco, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1570'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2700'

16. NO. OF ACRES IN LEASE

320.00

19. PROPOSED DEPTH

7000' KB

17. NO. OF ACRES ASSIGNED
TO THIS WELL

E 320

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6393' GL

22. APPROX. DATE WORK WILL START*

As soon as permitted

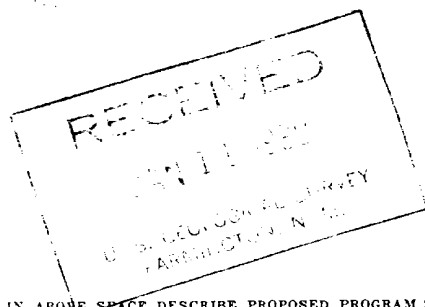
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" (New)	24#	300'	300 sx Class "B" Neat
7-7/8"	4-1/2" (New)	11.6#	7000'	1760 sx Class "B" 50:50 POZ

This application to drill an Infill Basin Dakota well is pursuant to Order No. R-1670-V approved by the NMOCC on May 22, 1979. This well will qualify under Section 103 of the Natural Gas Policy Act under Order No. R-1670-V.

The gas from this well is dedicated to El Paso Natural Gas Company.



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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true back depth. Give blowout preventer program, if any.

24.

SIGNED

B. E. Jauch

TITLE

District Engineer

DATE

January 9, 1980

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*ok**James J. Linn*
S.F. 800
DISTRICT ENGINEER

NMOCC

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-107
Revised 10-1-78

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

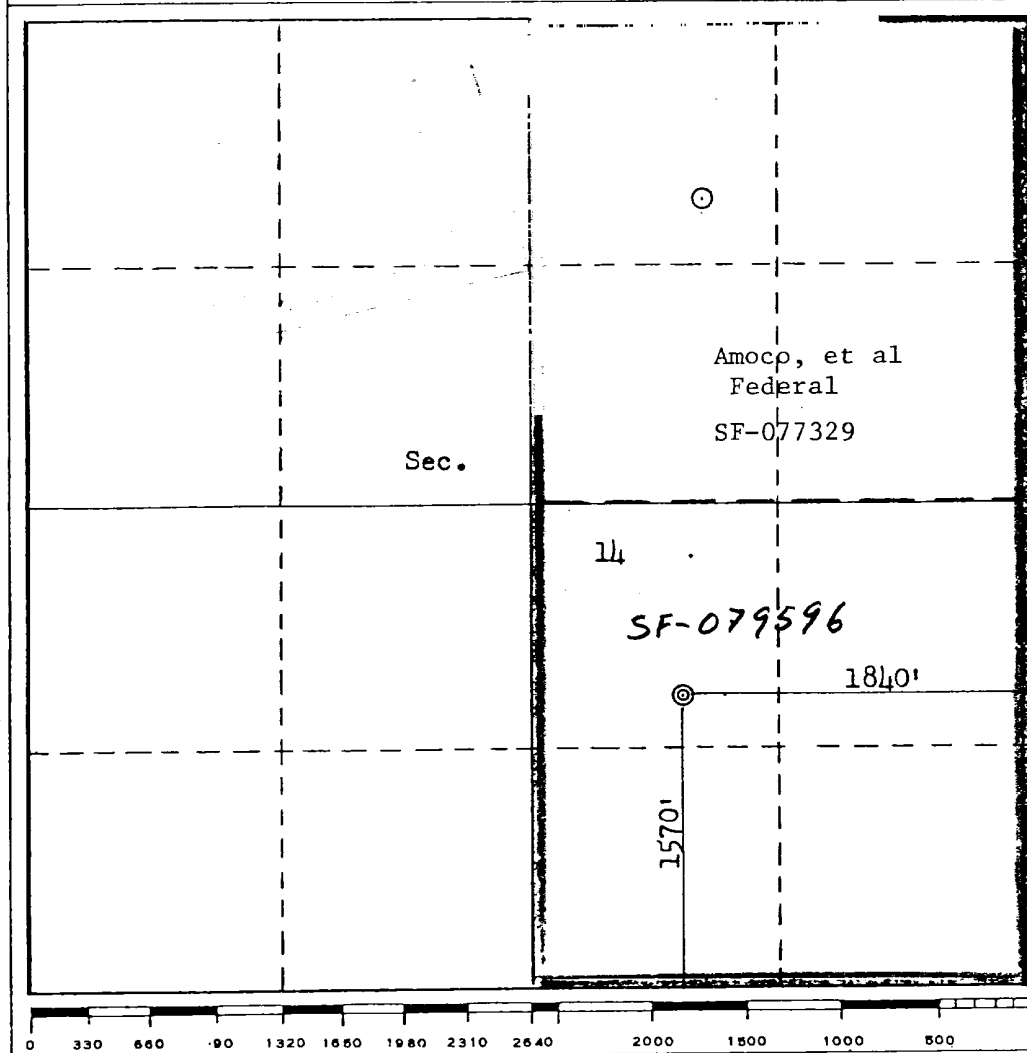
Operator AMOCO PRODUCTION COMPANY			Lease MARTIN GAS COM "G"		Well No. 1-E
Unit Letter J	Section 14	Township 27N	Range 10W	County San Juan	
Actual Footage Location of Well: 1570 feet from the South line and 1840 feet from the East line					
Ground Level Elev. 6393	Producing Formation Dakota		Pool Basin Dakota		Dedicated Acreage: E 320 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.



CERTIFICATION

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

B. E. Fackrell

Name
B. E. FACKRELL

Position
DISTRICT ENGINEER

Company
AMOCO PRODUCTION COMPANY

Date
DECEMBER 7, 1979

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 are correct to the best of my knowledge and belief.

Date Surveyed

November 1979

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr, Jr.
Fred B. Kerr, Jr.

Certificate No. **3950**

MARTIN GAS COM "G" NO. 1E

<u>CASING</u>	<u>GRADE</u>	<u>WEIGHT</u>	<u>CEMENT TOP</u>	<u>CEMENT</u>
8-5/8" (NEW)	K-55	24#	Surface	Class B with 2% CaCl2.
4-1/2" (NEW)	K-55	11.6#	Surface	Class B with 50:50 POZ, 6% gel, 2# med tuf plug/sx, .8% fluid loss.

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>
Ojo Alamo	1151'	+5255'
Kirtland	1656'	+4750'
Fruitland	1982'	+4424'
Pictured Cliffs	2252'	+4154'
Chacra	3361'	+3045'
Mesaverde	3762'	+2644'
Gallup	5781'	+ 625'
Dakota	6648'	- 242'

SUPPLEMENTAL INFORMATION TO FORM 9-331C

MARTIN GAS COM "G" NO. 1E
1570' FSL & 1840' FEL, SECTION 14, T27N, R10W
SAN JUAN COUNTY, NEW MEXICO

The geologic name of the surface formation is the Tertiary Nacimiento.

Estimated tops of important potential hydrocarbon bearing formations:

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>
Fruitland	1982'	+4424'
Pictured Cliffs	2252'	+4154'
Mesaverde	3762'	+2644'
Dakota	6648'	- 242'
TD	7000'	

Estimated KB elevation: 6406'

Drilling fluid to TD will be a low solids non-dispersed mud system. Open hole logging program will include the following logs from TD to below surface casing:

Induction - SP - GR*

Formation Density - Compensated Neutron - GR

*GR will be logged to surface

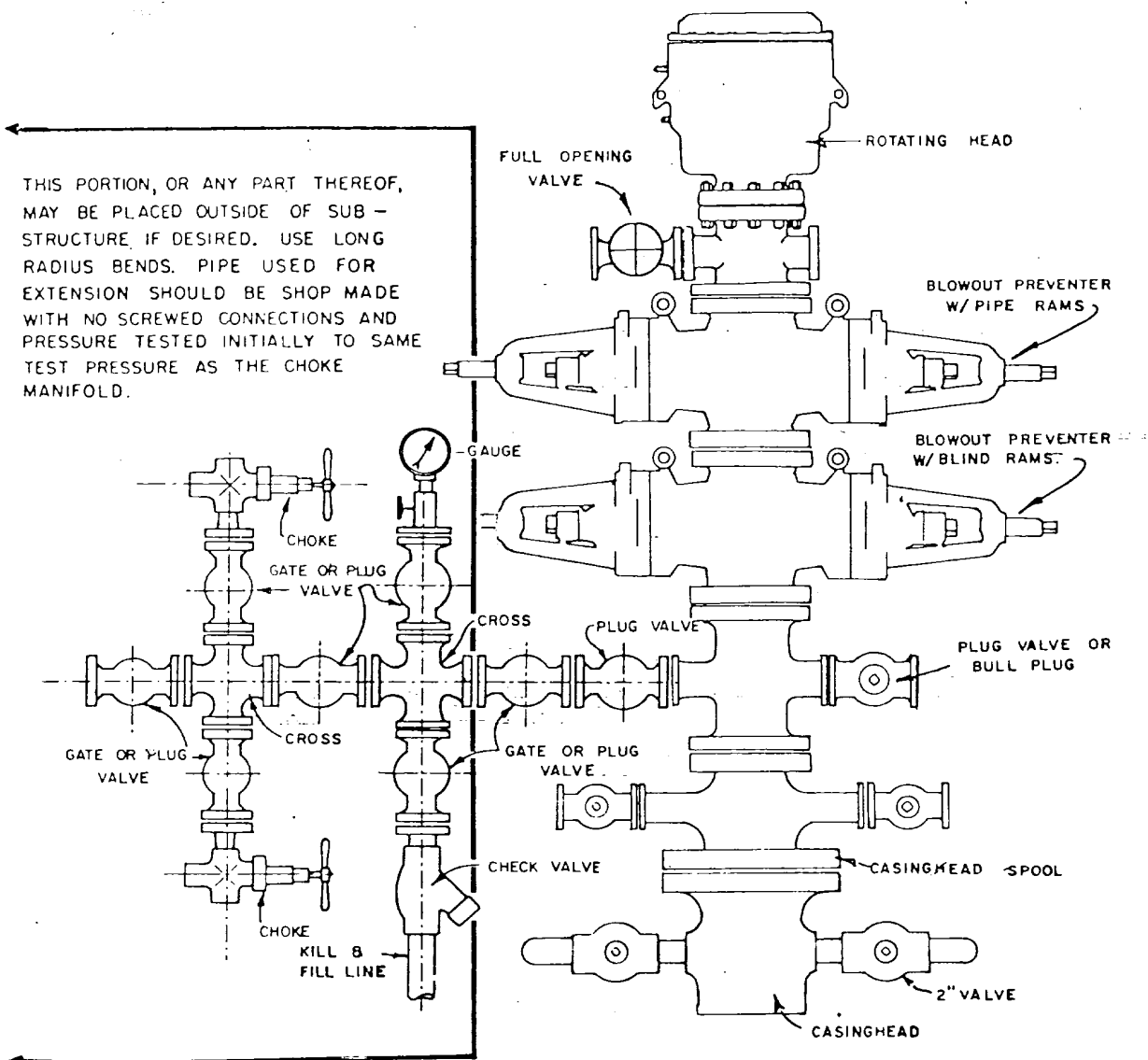
Completion design will be based on these logs. No drill stem test will be taken.

A 60 ft core will be taken from 6708-6768 ft.

Operations will commence when permitted and last approximately 3 weeks.

Amoco's standard blowout prevention will be employed (see attached drawing).

THIS PORTION, OR ANY PART THEREOF, MAY BE PLACED OUTSIDE OF SUB-STRUCTURE IF DESIRED. USE LONG RADIUS BENDS. PIPE USED FOR EXTENSION SHOULD BE SHOP MADE WITH NO SCREWED CONNECTIONS AND PRESSURE TESTED INITIALLY TO SAME TEST PRESSURE AS THE CHOKE MANIFOLD.



BLOWOUT PREVENTER HOOKUP

EXHIBIT D-4
OCTOBER 16, 1969

MULTI-POINT SURFACE USE PLAN

MARTIN GAS COM "G" NO. 1E
1570' FSL & 1840' FEL, SECTION 14, T27N, R10W
SAN JUAN COUNTY, NEW MEXICO


1. The attached topographic map shows the proposed route to the location.
2. It will be necessary to build an access road approximately one-half mile in length and 20 feet wide.
3. Existing oil and gas wells within a one-mile radius of our proposed well have been spotted on the vicinity map.
4. There is a 380-barrel tank and facilities located at Martin Gas Com "G" Well No. 1.
5. Water will be hauled from the San Juan River.
6. No construction materials will be hauled in for this location.
7. A 125' by 125' pit will be built on location to hold all drilling waste. Upon completion of the well, pit will be fenced and waste and liquids left to dry, then pit will be filled and leveled.
8. There are neither airstrips nor camps in the vicinity.
9. The well site layout, reserve, burn and trash pits are shown on the attached Drill Site Specification Sheet. A 3-foot cut will be made on south side.
10. Restoration of the surface will be accomplished by cleaning up and leveling upon completion of the well. Drilling mud will be hauled away and the reserve pit back filled. Reseeding of the site will be carried out as instructed by the Bureau of Land Management.
11. The general topography is a gentle slope, on top of mesa, with sandy-loam soil; vegetation consists of sagebrush and native grasses.

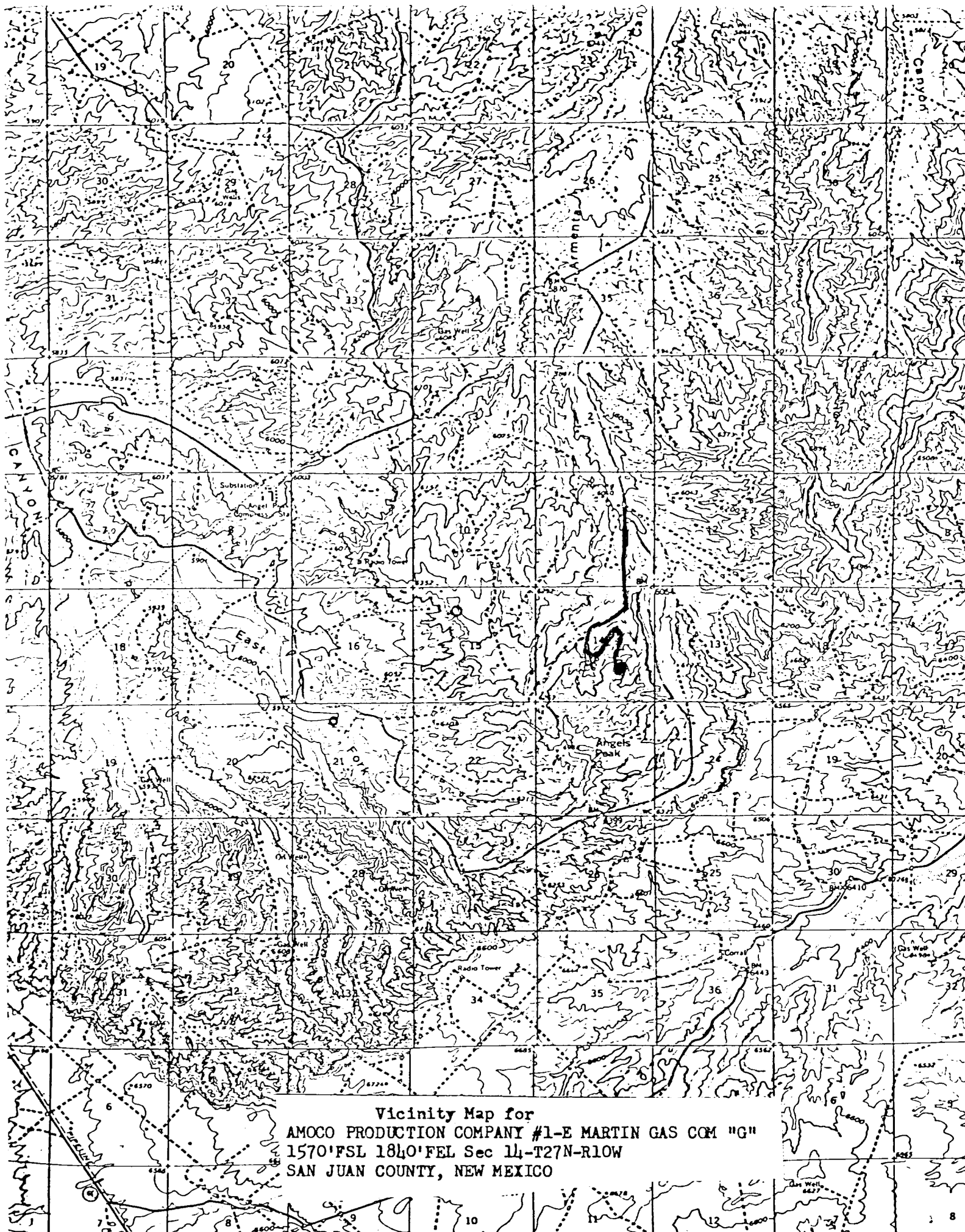
Representatives of the U. S. Geological Survey's Farmington Office and the Bureau of Land Management inspected the site with Amoco personnel. Cultural resources inspection was conducted by an archaeologist from San Juan College.

12. Operator's Representative: R. W. Schroeder
Phone: Office: 505-325-8841; Home: 505-325-6164
Address: 501 Airport Drive, Farmington, NM 87401

Certification: I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by AMOCO PRODUCTION COMPANY and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date December 20, 1979


R. W. Schroeder, District Superintendent

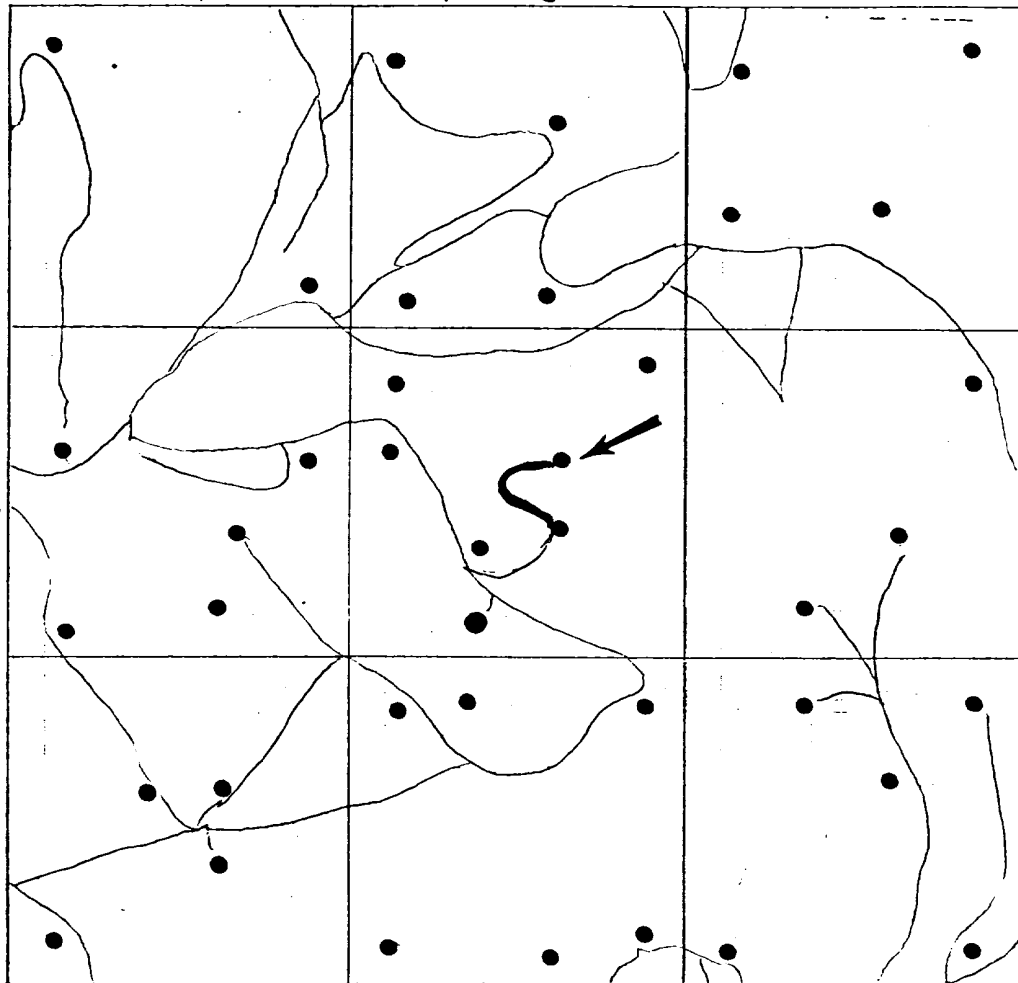


Vicinity Map for
AMOCO PRODUCTION COMPANY #1-E MARTIN GAS COM "G"
1570'FSL 1840'FEL Sec 14-T27N-R10W
SAN JUAN COUNTY, NEW MEXICO

MARTIN GAS COM "G" #1E

R10W

T 27 N

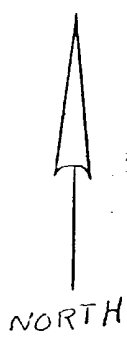
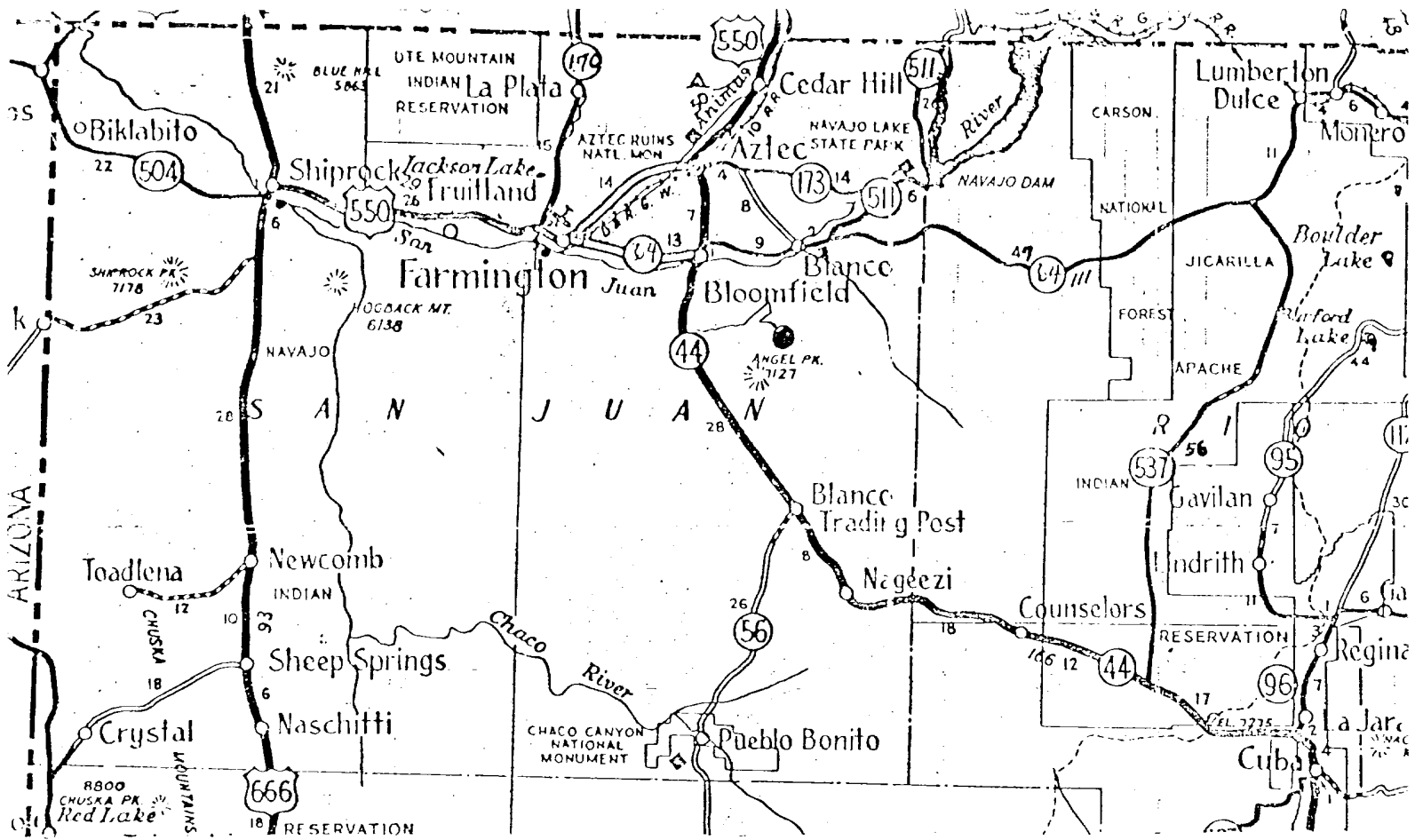


EXISTING WELLS ●

ROADS

PROPOSED WELL

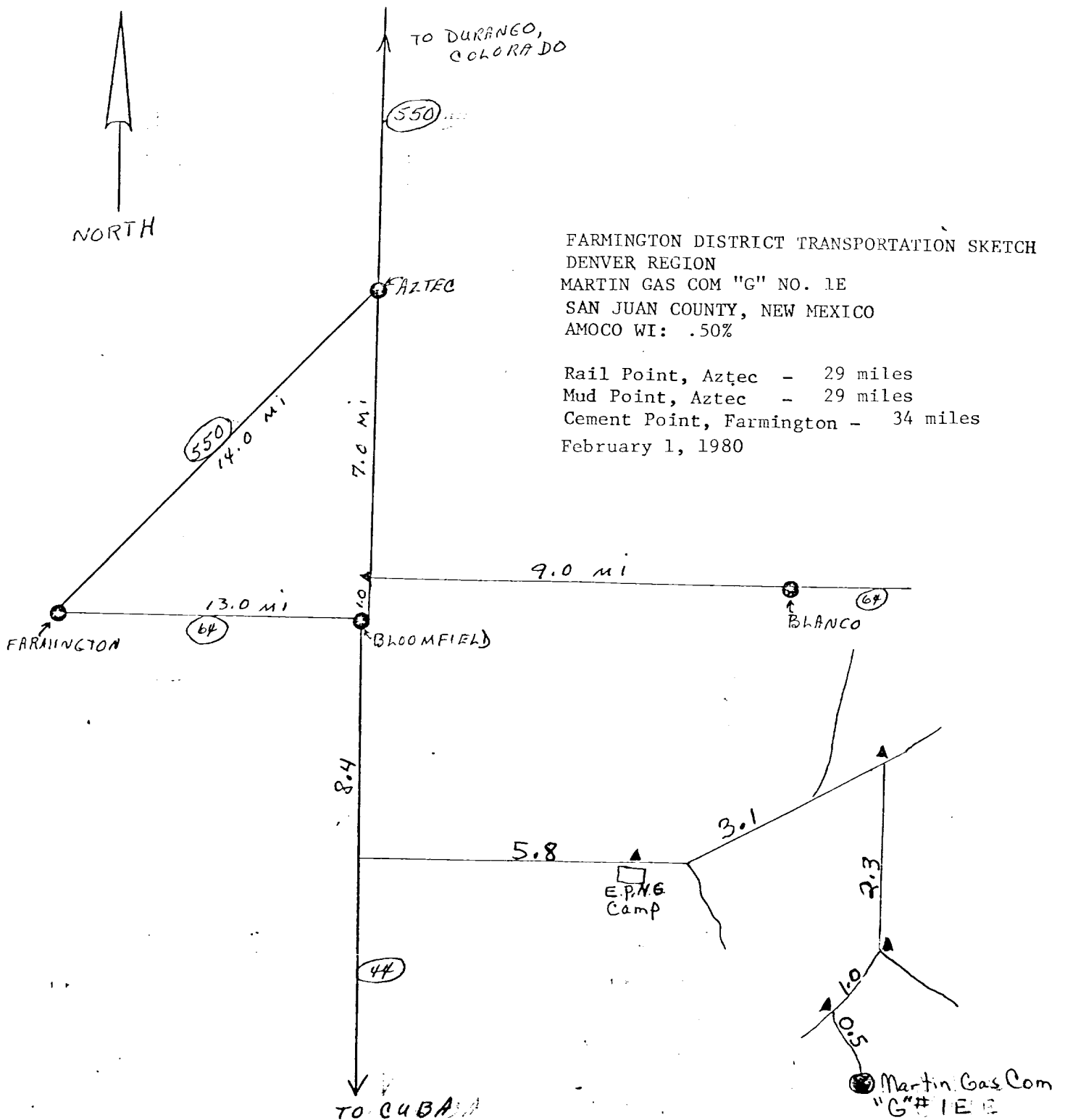
PROPOSED ROAD

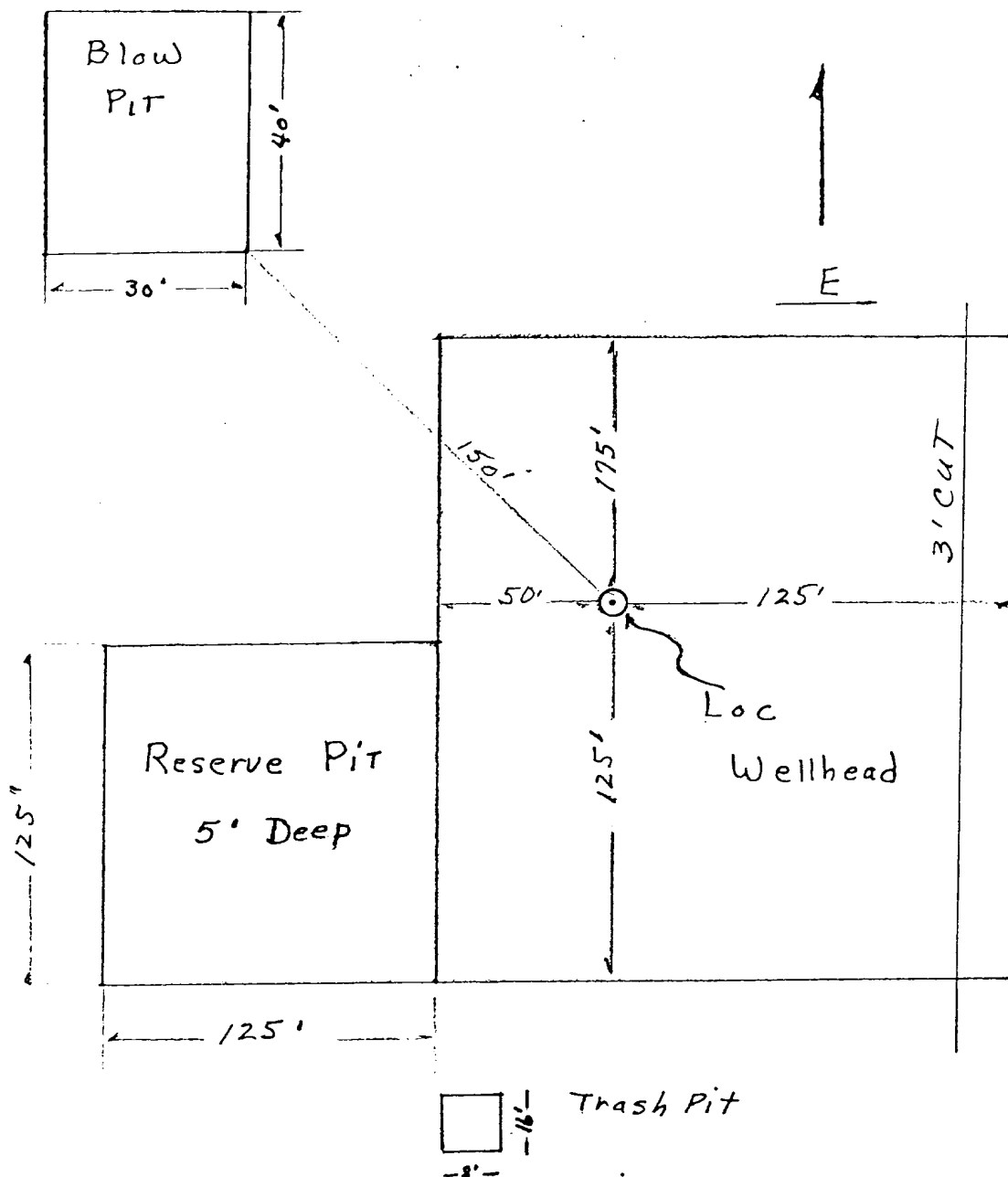


TO DURANGO,
COLORADO

FARMINGTON DISTRICT TRANSPORTATION SKETCH
DENVER REGION
MARTIN GAS COM "G" NO. 1E
SAN JUAN COUNTY, NEW MEXICO
AMOCO WI: .50%

Rail Point, Aztec - 29 miles
Mud Point, Aztec - 29 miles
Cement Point, Farmington - 34 miles
February 1, 1980





Approximately 1.2 Acres

Amoco Production Company	SCALE: <i>NONE</i>
Drilling Location Specs	
MARTIN GAS COM "G" NO. 1E	DRG. NO.