

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-24936
5. LEASE DESIGNATION AND SERIAL NO.
SF-077529-07A596
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Martin Gas Com "E"
9. WELL NO.
1E
10. FIELD AND POOL, OR WILDCAT
Basin Dakota
11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
NE/4, NW/4, Section 15,
T27N, R10W
12. COUNTY OR PARISH
San Juan
13. STATE
New Mexico

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
980' FNL and 1780' FWL, Section 15, T27N, R10W

At proposed prod. zone
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
10 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)
980'

16. NO. OF ACRES IN LEASE
320.00 960.00

17. NO. OF ACRES ASSIGNED TO THIS WELL
W 320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
2070'

19. PROPOSED DEPTH
6991'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6373' 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#	6991'	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 Co.

RECEIVED
JAN 11 1980
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

RECEIVED
MAR 13 1980
OIL CON. COM.
DIST. 3

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 vertical depths. Give blowout preventer program, if any.

24. SIGNED B. E. Jachell TITLE District Engineer DATE January 9, 1980

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

ok [Signature]

APPROVED
AS AMENDED
MAR 12 1980
James F. Sims
JAMES F. SIMS
DISTRICT ENGINEER

NMOCC

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

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

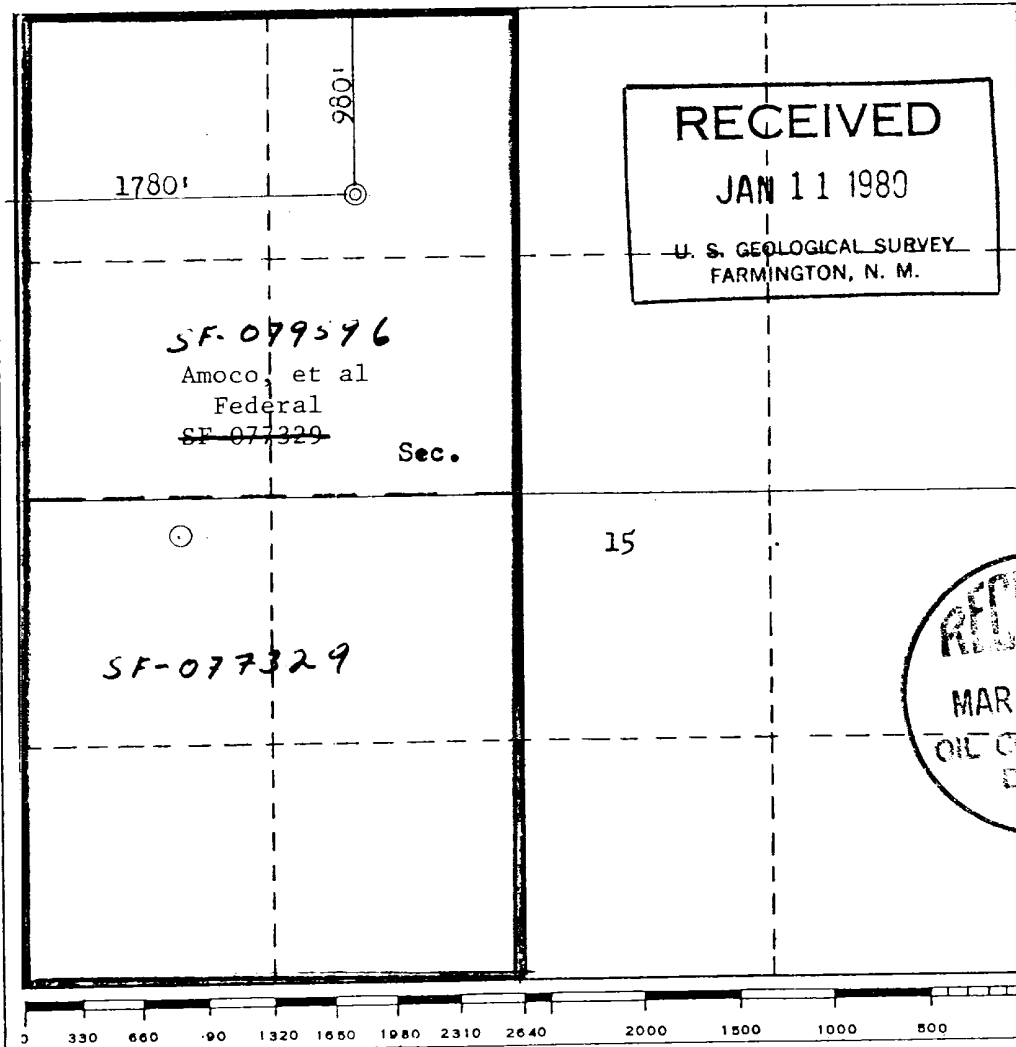
Operator AMOCO PRODUCTION COMPANY			Lease MARTIN GAS COM "E"		Well No. 1-E
Unit Letter C	Section 15	Township 27N	Range 10W	County San Juan	
Actual Footage Location of Well: 980 feet from the North line and 1780 feet from the West line					
Ground Level Elev. 6373	Producing Formation Dakota	Pool Basin Dakota		Dedicated Acreage: W 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 showing 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 21, 1979
Registered Professional Engineer and/or Land Surveyor	<i>Fred B. Kerr Jr.</i>
Certificate No.	3950

MARTIN GAS COM "E" 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	1162'	+5224'
Kirtland	1347'	+5039'
Fruitland	1934'	+4452'
Pictured Cliffs	2179'	+4207'
Chacra	3102'	+3284'
Mesaverde	3719'	+2667'
Gallup	5712'	+ 674'
Dakota	6991'	- 238'

SUPPLEMENTAL INFORMATION TO FORM 9-331C

MARTIN GAS COM "E" NO. 1E
980' FNL & 1780' FWL, SECTION 15, 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	1934'	+4452'
Pictured Cliffs	2179'	+4207'
Mesaverde	3719'	+2667'
Dakota	6624'	- 238'
TD	6991'	

Estimated KB elevation: 6386'

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

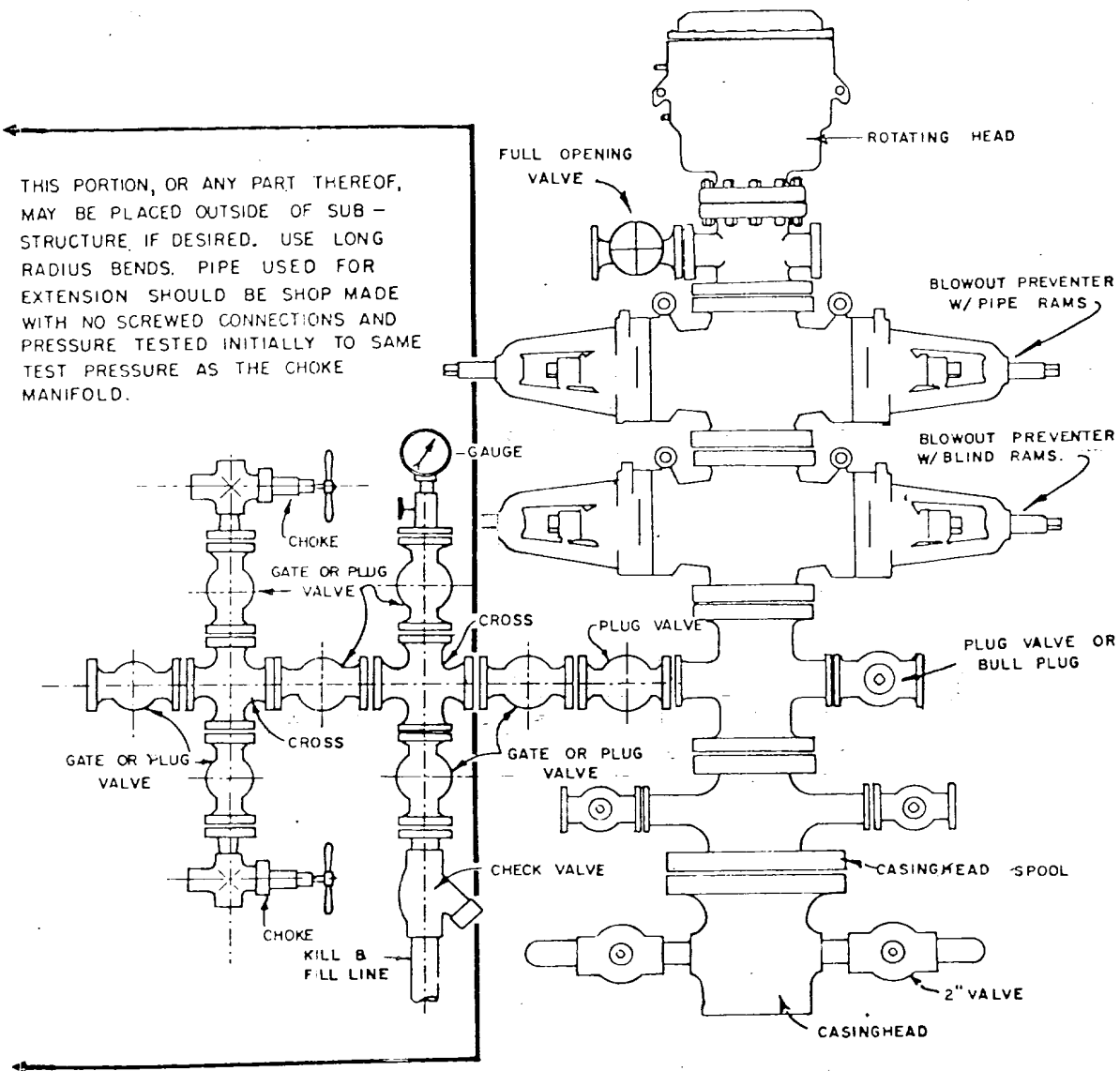
*GR will be logged to surface

Completion design will be based on these logs. No cores or drill stem tests will be taken.

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

MULTI-POINT SURFACE USE PLAN

MARTIN GAS COM "E" NO. 1E
980' FNL & 1780' FWL, SECTION 15, 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 1000 feet 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 "E" 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 6-foot cut will be made on southwest 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 to the east with sandy-loam soil; vegetation consists of cedar trees, sagebrush and native grasses.

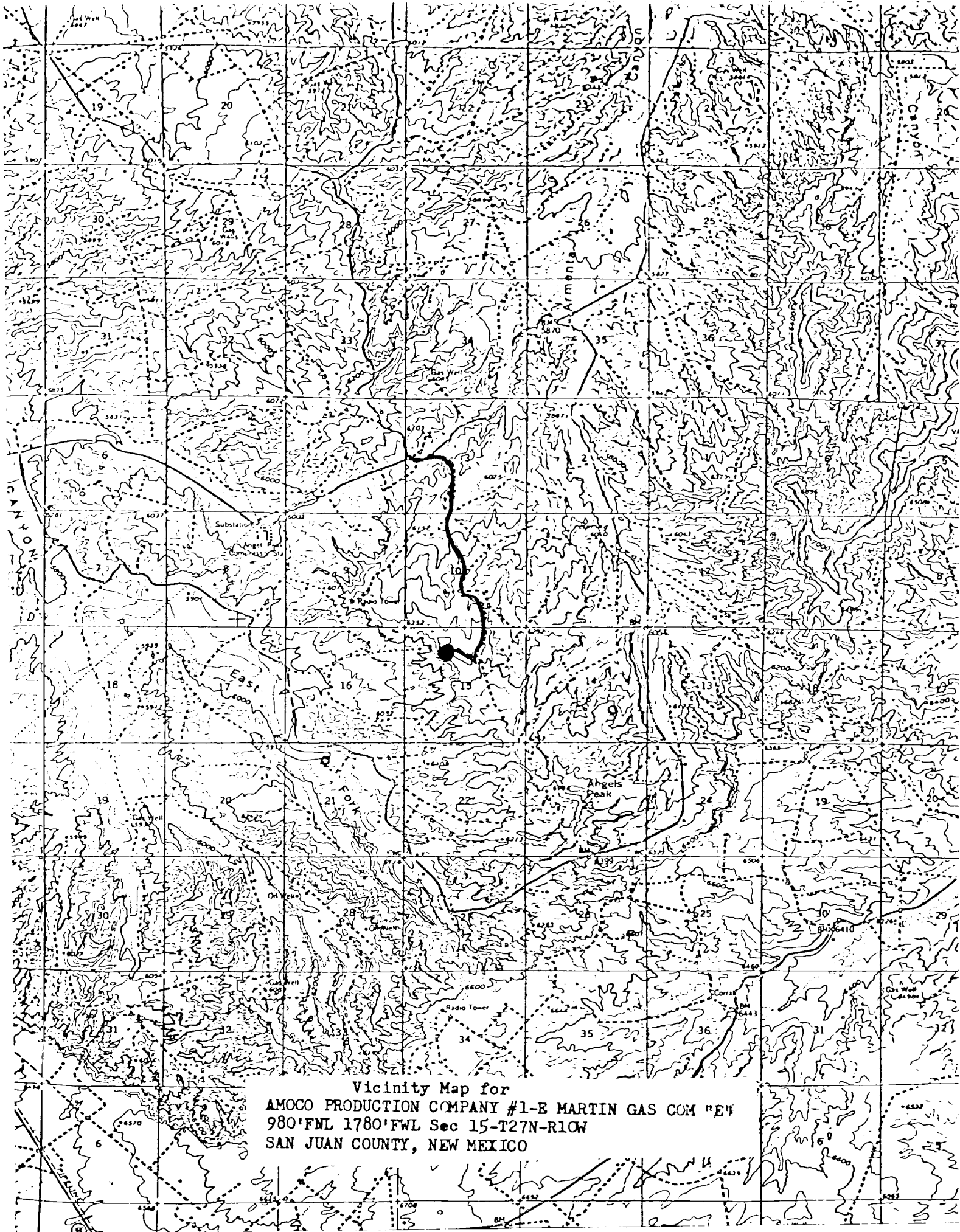
Representatives of the U. S. Geological Survey's Farmington Office and the Bureau of Land Management inspected the site with Amoco personnel. Cultural resources inspection was conducted by an archaeologist from San Juan College.

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

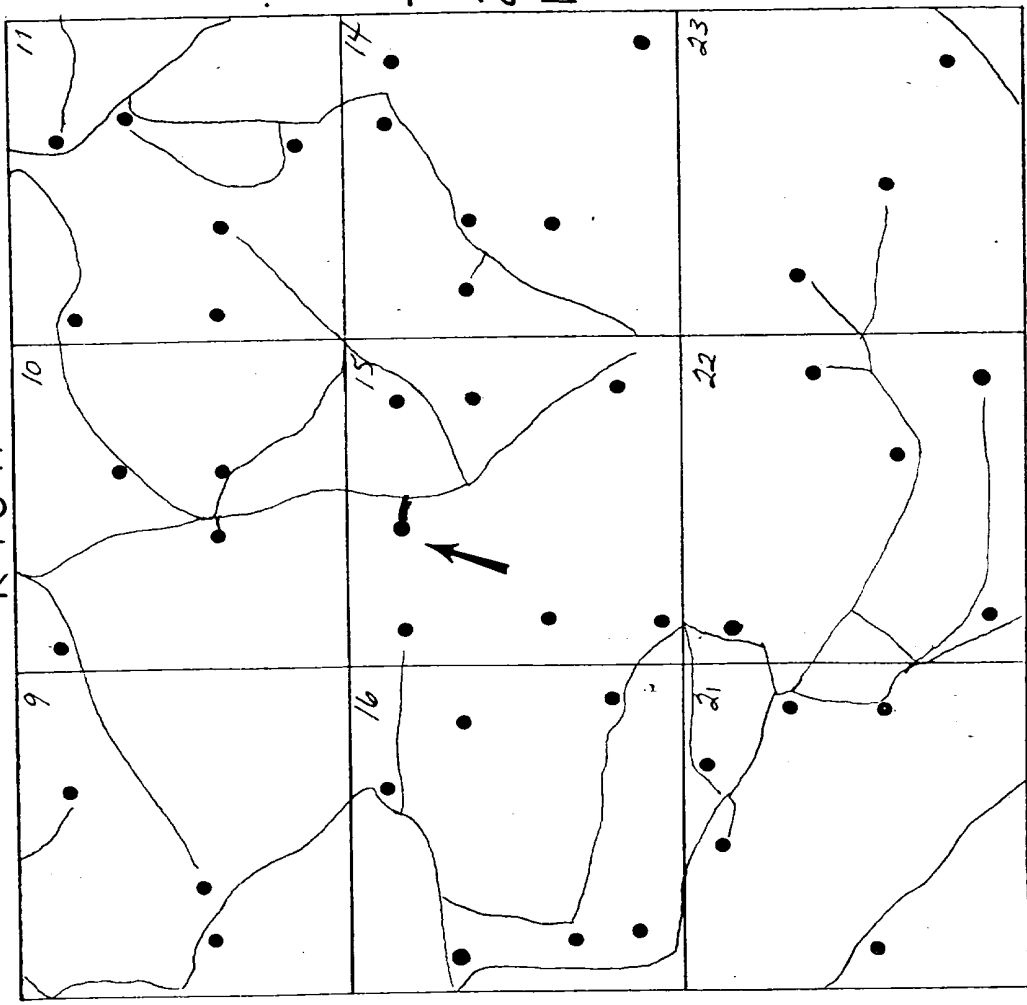


Vicinity Map for
AMOCO PRODUCTION COMPANY #1-E MARTIN GAS COM "E"
980'FWL 1780'FWL Sec 15-T27N-R10W
SAN JUAN COUNTY, NEW MEXICO

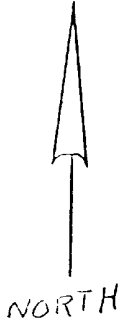
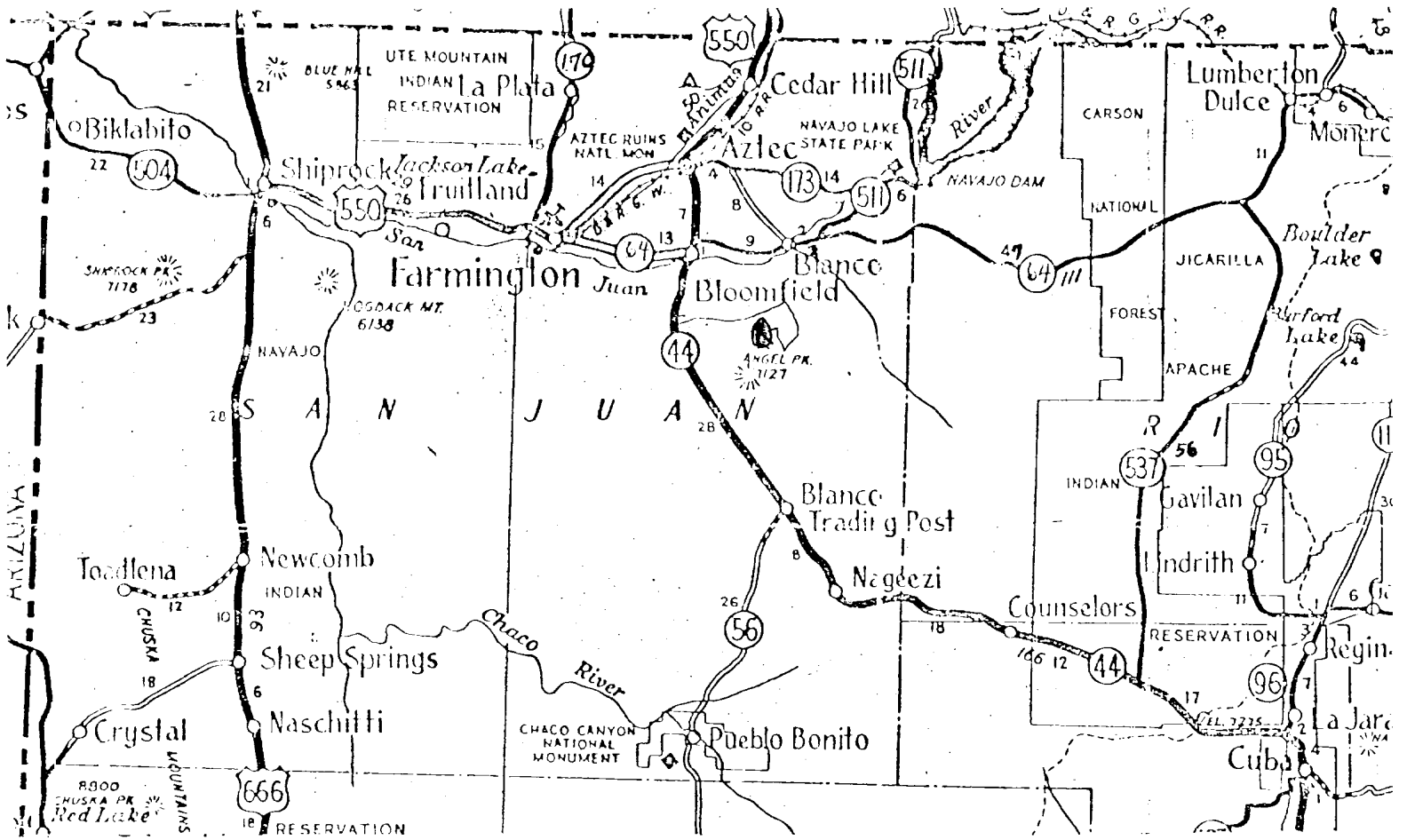
MARTIN GAS COM "E" #1E

RIOW

T 27 N



EXISTING WELLS ●
ROADS —
PROPOSED WELLS ●
PROPOSED ROAD —



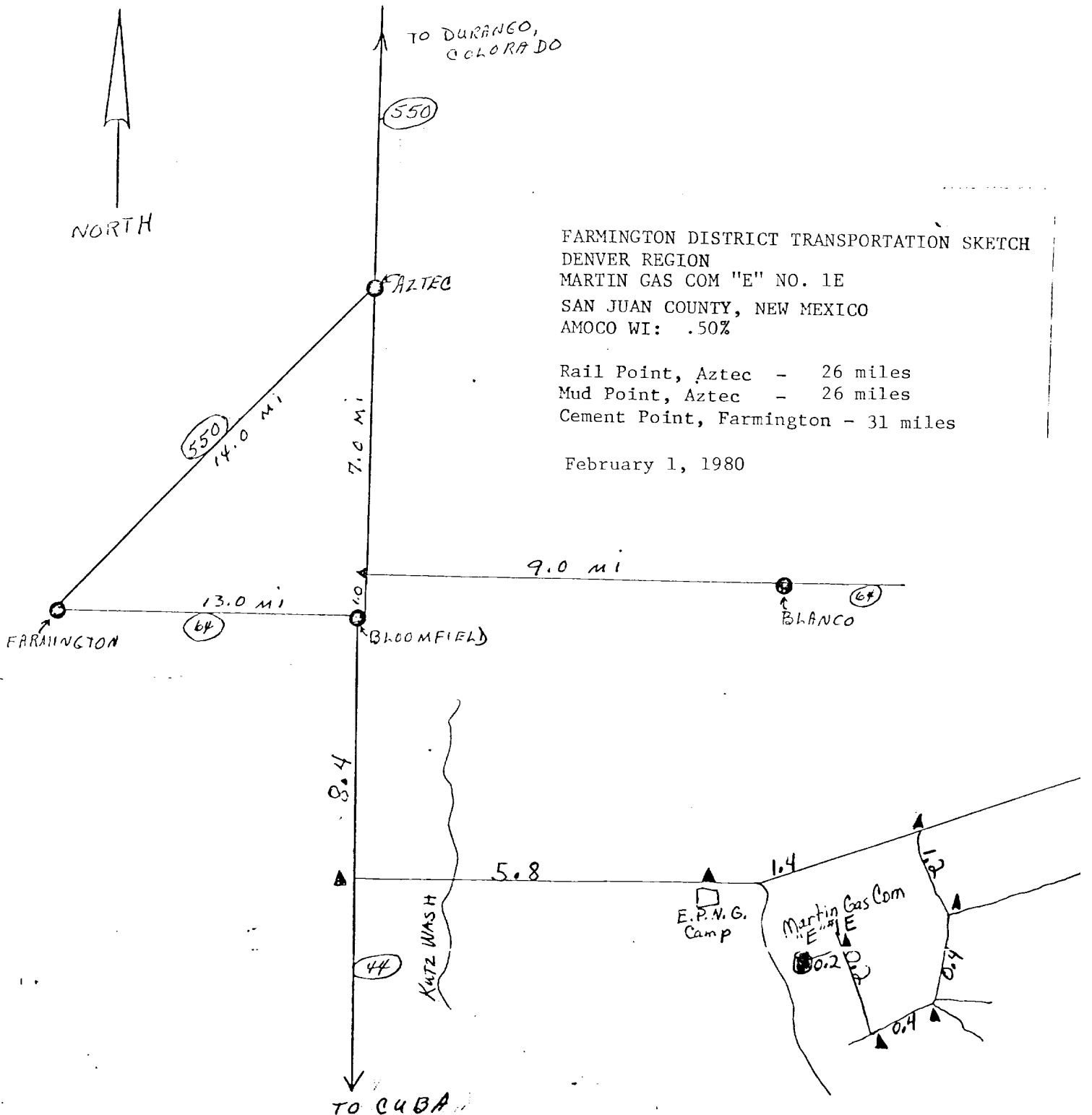
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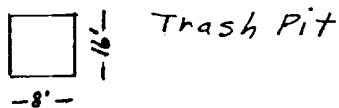
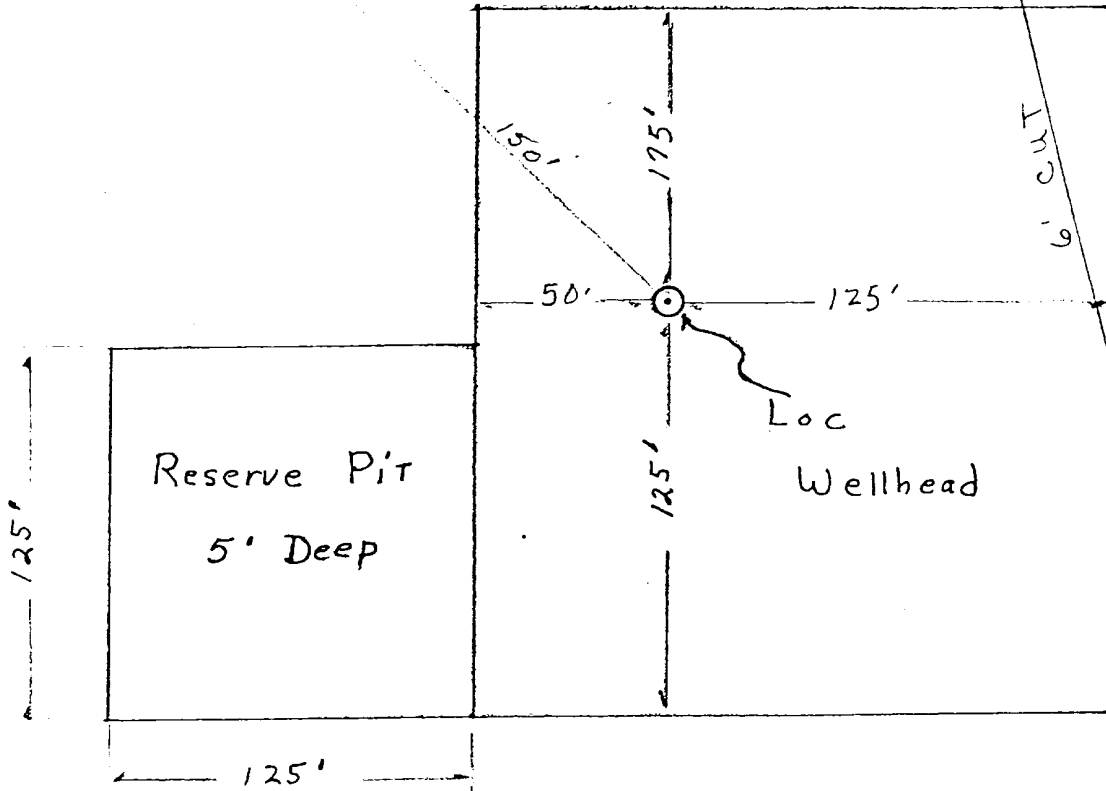
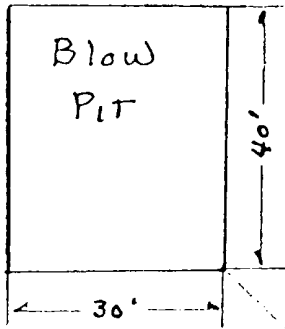
(550)

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

- Rail Point, Aztec - 26 miles
- Mud Point, Aztec - 26 miles
- Cement Point, Farmington - 31 miles

February 1, 1980





Approximately 1.2 Acres

Amoco Production Company

SCALE: NONE

Drilling Location Specs
MARTIN GAS COM "E" NO. 1 E

DRG.
NO.