

DEVELOPMENT PLAN
ELLIOTT GAS COM "D" NO. 1A
960' FSL & 830' FEL, SECTION 9, T-30-N, R-9-W
SAN JUAN COUNTY, NEW MEXICO

The proposed location is located on hard sandy clay soil with few cedars and pinon and mostly sagebrush. The geologic name of the surface formation is Paleozoic Nacimiento. Approximately 200 feet of new road will be constructed to the location from the existing road. A drainage ditch will be constructed above (to the east) of the drilling location. Verbal approval of the drill site has been obtained from Mr. Bob Moore, BLM; Ray Swanson, U.S.G.S.; and Pat Zarnowski, Archaeologist.

Arrangements are being made to haul water from the San Juan River, approximately 7 miles. Drilling fluid to 3250' will be low solids, non-dispersed drilling mud, and gas drilled from 3250' to TD. Upon completion the location will be cleaned up, leveled and reserve pit backfilled. Attached is the BLM seeding plan to be followed for this well.

There are no airstrips or camps in the vicinity.

The estimated tops of important geological formations bearing hydrocarbons are:

<u>Formation</u>	<u>Depth</u>	<u>Elevation</u>
Pictured Cliffs	2862'	+3240'
Cliffhouse	4492'	+1610'
Menefee	4702'	+1400'
Pt. Lookout	5092'	+1010'
Estimated KB Elevation	6102'	

JUL 1976

The proposed setting depth of each casing string and type of cement to be used for each is as follows:

<u>Est. Depth</u>	<u>Casing Size</u>	<u>Weight</u>	<u>Hole Size</u>	<u>Sx Cmt</u>	<u>Type Cement</u>
250'	9-5/8"	32.3#	12-1/4"	280	Class "B" 2% CaCl ₂ .
3250'	7"	20#	8-3/4"	750	Class "B" 2% Gel, 2# Med. Tuf Plug/sx.
				50	Class "B" Neat.
3050-5400'	4-1/2"	10.5#	6-1/4"	255	Class "B" 50:50 Poz, 2# Med. Tuf Plug/sx, 2% Gel, 0.2% Friction Reducer.
				75	Class "B" 50:50 Poz, 2% Gel.

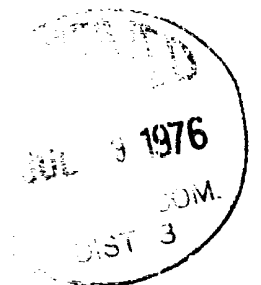
- 2 -

Amoco's standard blowout prevention will be employed, see attached drawing for blowout preventer design.

Amoco plans to run the following logs from TD to the intermediate casing: Induction-Gamma Ray, Density-Gamma Ray. No cores or Drill Stem Tests will be taken.

Our experience drilling in this area has shown that no abnormal pressure, temperatures nor hydrocarbon gas will be encountered.

Our proposed starting date is July 21, 1976, and a three week operation is anticipated.



BLM SEEDING REQUIREMENTS
IN THE FARMINGTON RESOURCE AREA

1. SEED MIXTURE 2

2. TIME:

All seeding will take place between July 1 and September 15.

3. EQUIPMENT:

Seeding will be done with a disc-type drill with two boxes for various seed sizes. The drill rows will be eight to ten inches apart. The seed will be planted not less than one-half inch deep or more than one inch deep. The seeder will be followed with a drag, packer, or roller to insure uniform coverage of the seed, and adequate compaction. Drilling will be done on the contour where possible, not up and down the slope. Where slopes are too steep for contour drilling, a "cyclone" hand seeder or similar broadcast seeder will be used. Seed will then be covered to the depth described above by whatever means is practical.

4. SPECIES TO BE PLANTED IN POUNDS PURE-LIVE-SEED PER ACRE:

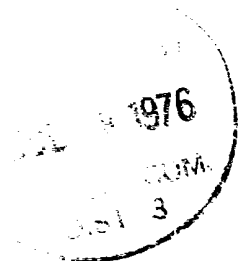
CRESTED WHEATGRASS (Agropyron desertorum) - $3\frac{1}{4}$ lbs.

FOURWING SALTBUSH (dewinged) (Atriplex canescens) - $\frac{1}{2}$ lb.

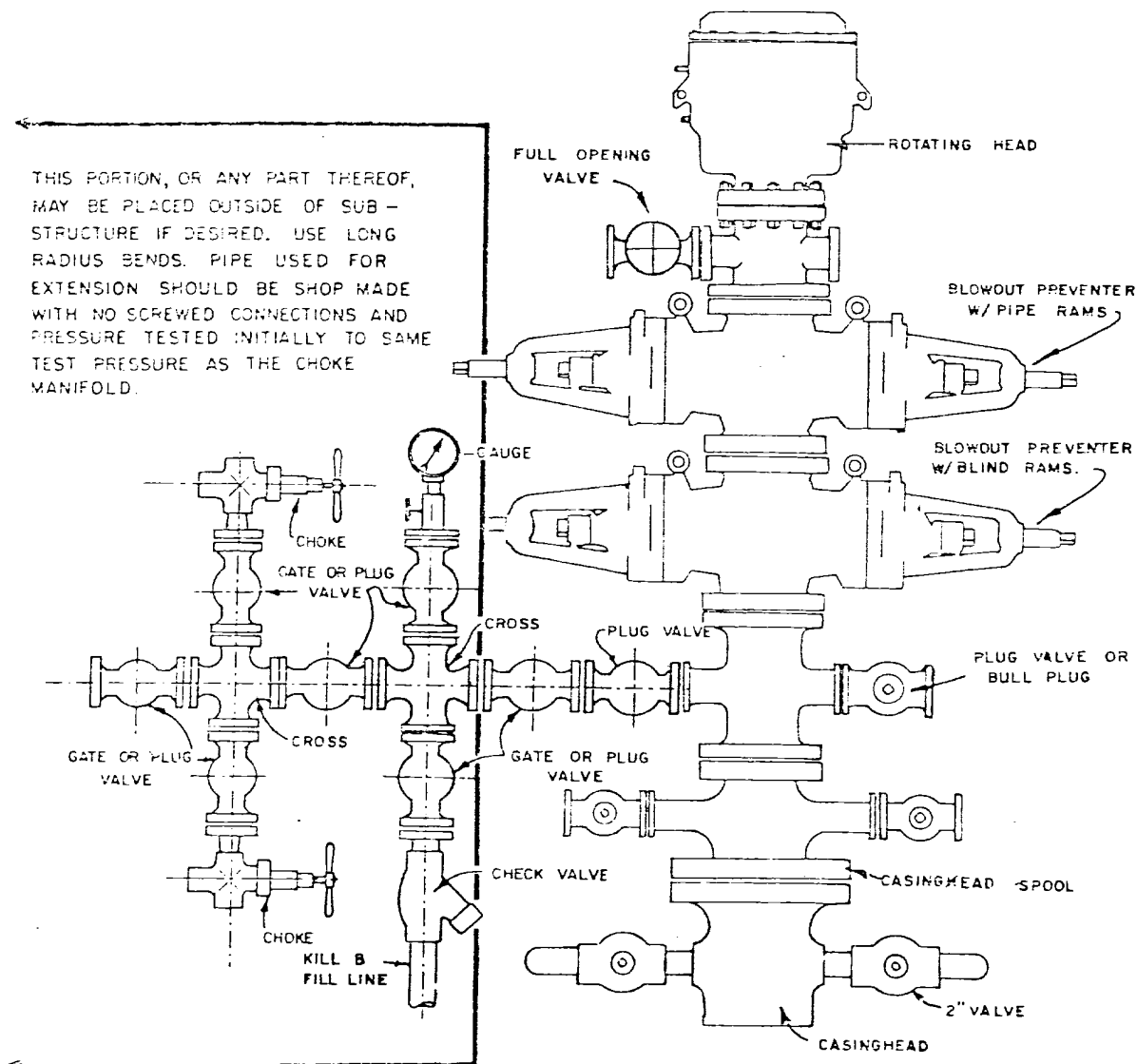
SAND DROPSEED (Sporobolus cryptandrus) - $\frac{3}{4}$ lb.

WINTERFAT (Eurotia lanata) - $\frac{1}{2}$ lb.

ALKALI SACATON (Sporobolus airoides) - $\frac{3}{4}$ lb.

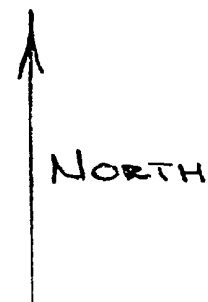
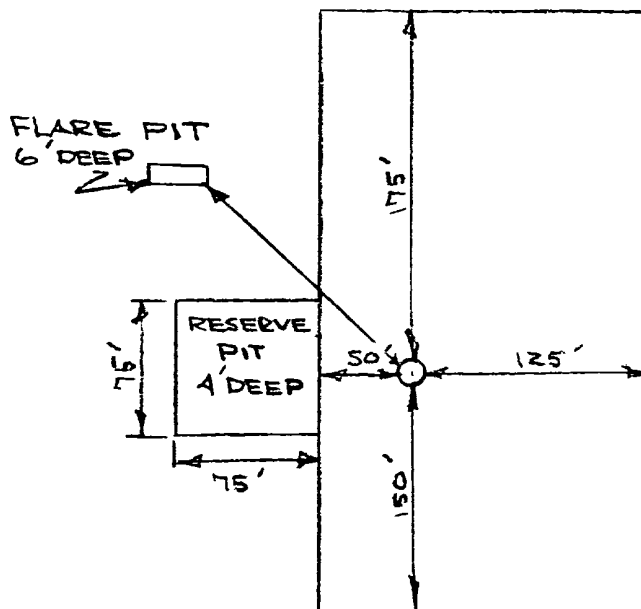


THIS PORTION, OR ANY PART THEREOF, MAY BE PLACED OUTSIDE OF SUB-STRUCTURE IF DESIRED. USE LONG RADIUS BENDS. PIPE USED FOR EXTENSION SHOULD BE SHOP MADE WITH NO SCREWED CONNECTIONS AND PRESSURE TESTED INITIALLY TO SAME TEST PRESSURE AS THE CHOKE MANIFOLD.



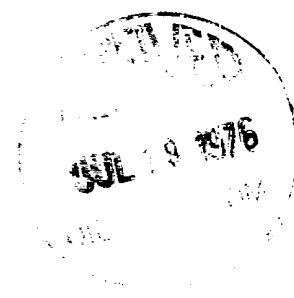
BLOWOUT PREVENTER HOOKUP

1976
COM.
3

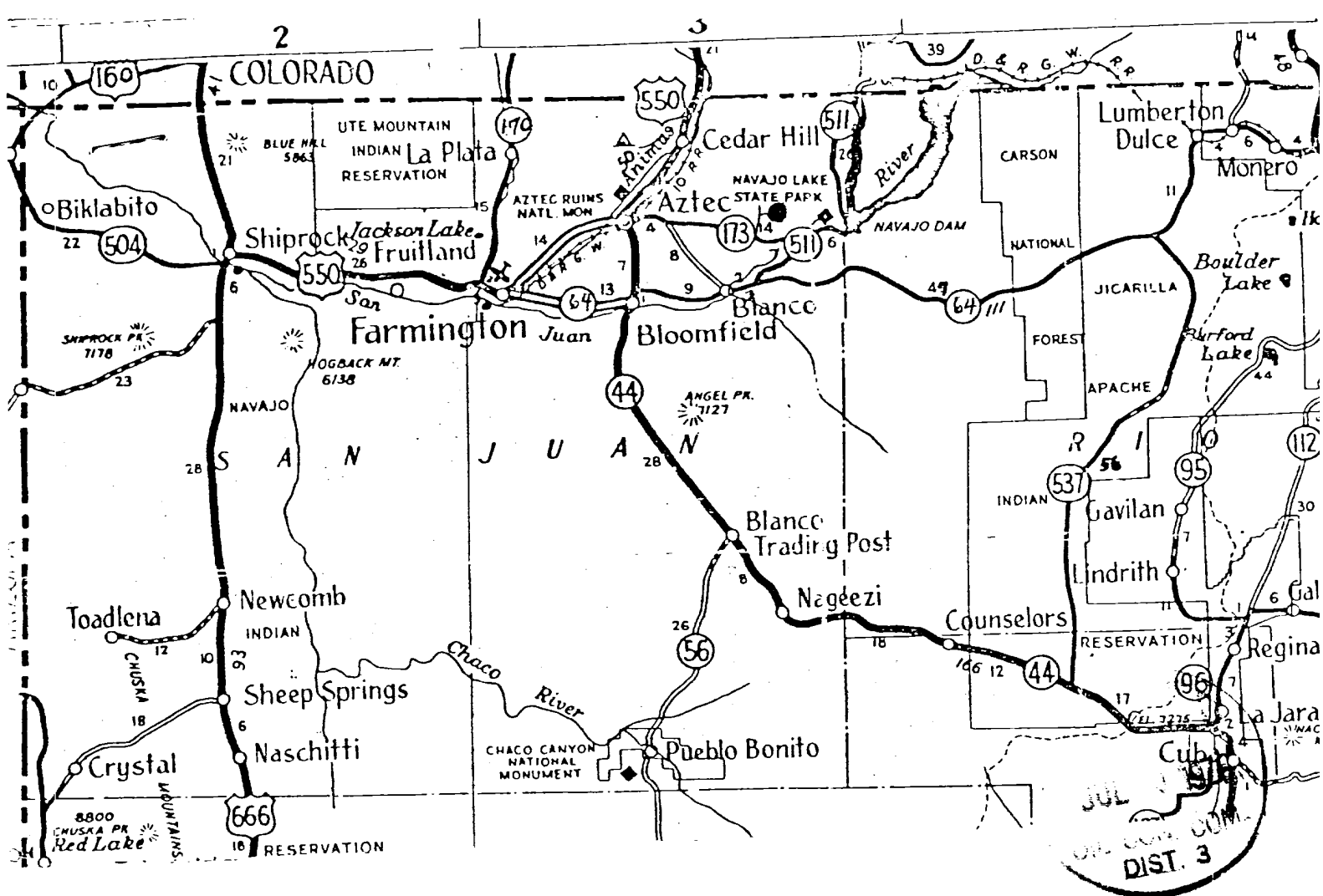


LOCATION DIAGRAM
ELLIOTT GAS COM "D" No 1A

960 FSL X 830 FEL, SECTION 9, T-30N, R-9W



Amoco Production Company	SCALE: NONE
	DRG. NO. 7/16/76

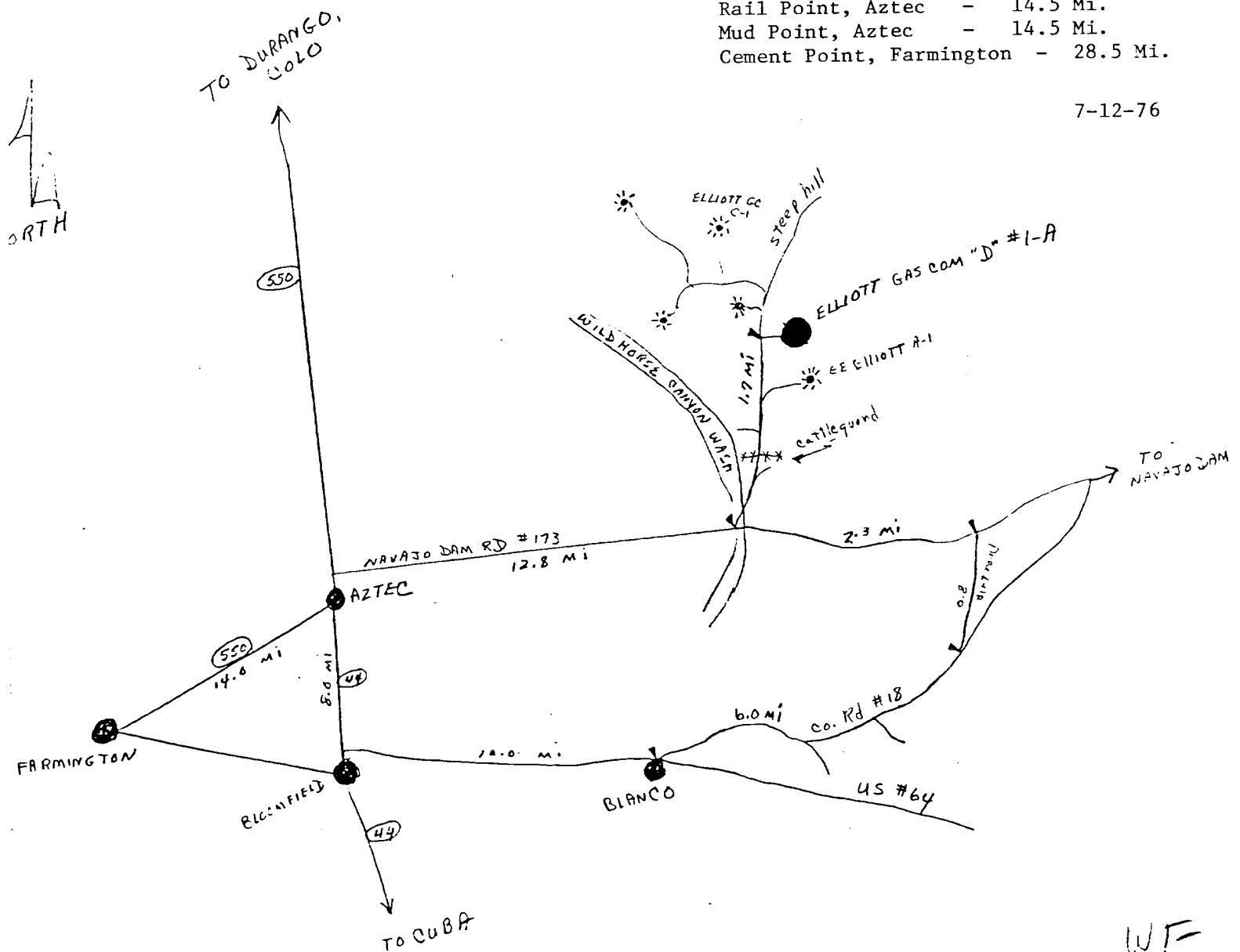


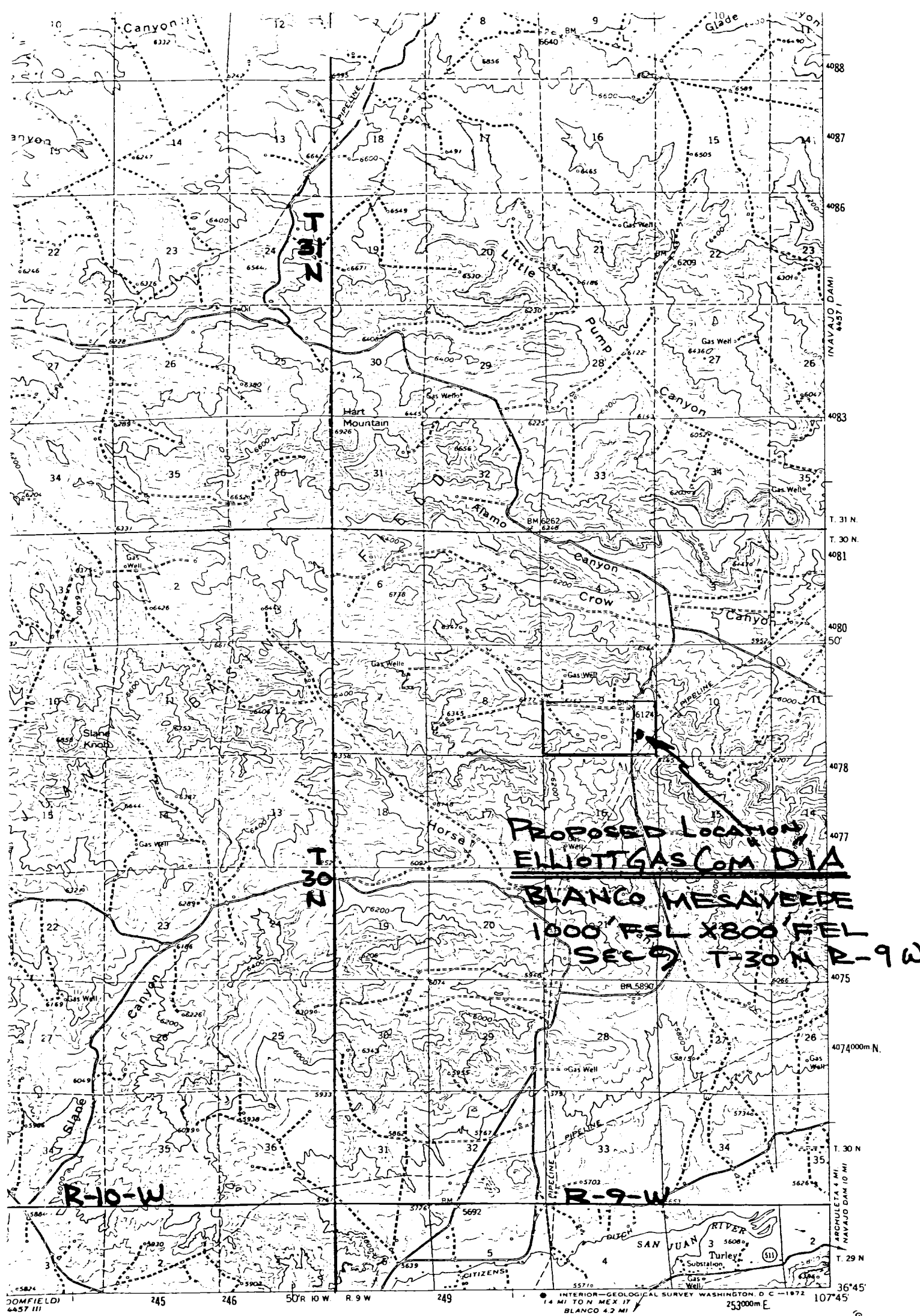
FARMINGTON AREA TRAFFIC SKETCH
DENVER DIVISION

Elliott Gas Com "D" Well No. 1-A
San Juan County, New Mexico
AMOCO WI: 75%

Rail Point, Aztec - 14.5 Mi.
Mud Point, Aztec - 14.5 Mi.
Cement Point, Farmington - 28.5 Mi.

7-12-76





INTERVAL 40 FEET
MEAN SEA LEVEL

1:62500

0 1 2 3 4 MILES

0 9000 12000 15000 18000 21000 FEET

0 2 3 4 KILOMETERS

ROAD CLASSIFICATION

Medium-duty ——— Light-duty - - - - -

Unimproved dirt

U.S. Route ○ State Route

NEW MEXICO

QUADRANGLE LOCATION

ATLANTIC MAP ACCURACY STANDARDS
INTERIOR, COLORADO 80225 OR WASHINGTON, D. C. 2024
MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

AZTEC, N. MEX.
N3645 - W10745/15

1959

AMS 4457 IV-SERIES V781