JAQUEZ GAS COM "C" NO. 1A
2595' FSL & 990' FWL, SECTION 6, T-29-N, R-9-W
SAN JUAN COUNTY, NEW MEXICO

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 be 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.

October 31, 1977
Date

L. D. [signature] Area Supt.
Name and Title

DEVELOPMENT PLAN
JAQUEZ GAS COM "C" NO. 1A
2595' FSL & 990' FWL, SECTION 6, T-29-N, R-9-W
SAN JUAN COUNTY, NEW MEXICO

The proposed location is on the point of a rocky ridge overlooking and approximately one-half mile northeast of the San Juan River. The soil is sandy with sandstone outcroppings, and the vegetation is pinon, juniper, antelope bitterbrush, rabbitbrush, broom snakeweed, sagebrush, prickly pear cactus, and blue grama. The geological name of the surface formation is Nacimiento. Approximately one mile of new road to be built to location and will cross through some sage brush and cedar trees. Material from high points will be used to level location for proper drilling. No location cut will be required. Present during the on-site inspection were Mr. Ray Foster, USGS; Messrs. Robert Moore and Tim Kreager, BLM; and Billy J. Naylor, Archaeologist. Clearance is recommended.

Water will be hauled from the Blanco irrigation ditch over existing roads. Drilling fluid to 2776' will be a low solids, non-dispersed drilling mud, and the well will be gas drilled from 2776' to TD (4847'). Upon completion the location will be cleaned up and leveled. Drilling mud and water will be hauled away and bladed into existing road. All trash will be covered in trash pit. Drainage ditches will be built along road and location. Attached is the BLM seeding plan to be followed for this well. In addition, all surface equipment will be painted brown so as to follow BLM requirements.

There are neither airstrips nor camps in the vicinity.

The estimated tops of important geological formations bearing hydrocarbons are:

FORMATION	DEPTH	ELEVATION
Pictured Cliffs	2376'	+3499'
Cliffhouse	3985'	+1890'
Menefee	4150'	+1725'
Point Lookout	4559'	+1316'

Estimated KB elevation: 5875'

EST. DEPTH	CASING SIZE	WEIGHT	HOLE SIZE	SACKS CEMENT - TYPE
250'	9-5/8"	32.3#	13-3/8"	300 - Class "B", 2% $CaCl_2$.
2776'	7"	20#	8-3/4"	440 - Class "B", 6% Gel, 2# Med. Tuf Plug/sx.
				50 - Class "B", 2% $CaCl_2$.
2576-4847'	4-1/2"	11#	6-1/4"	200 - Class "B", 50:50 Poz, 6% Gel, 2# Med Tuf Plug/sx, 0.2% Friction Reducer.
				100 - Class "B", 50:50 Poz, 6% Gel.

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 pressures, temperatures, or hydrogen sulfide gas will be encountered.

Our proposed starting date is as soon as well permitted, 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:

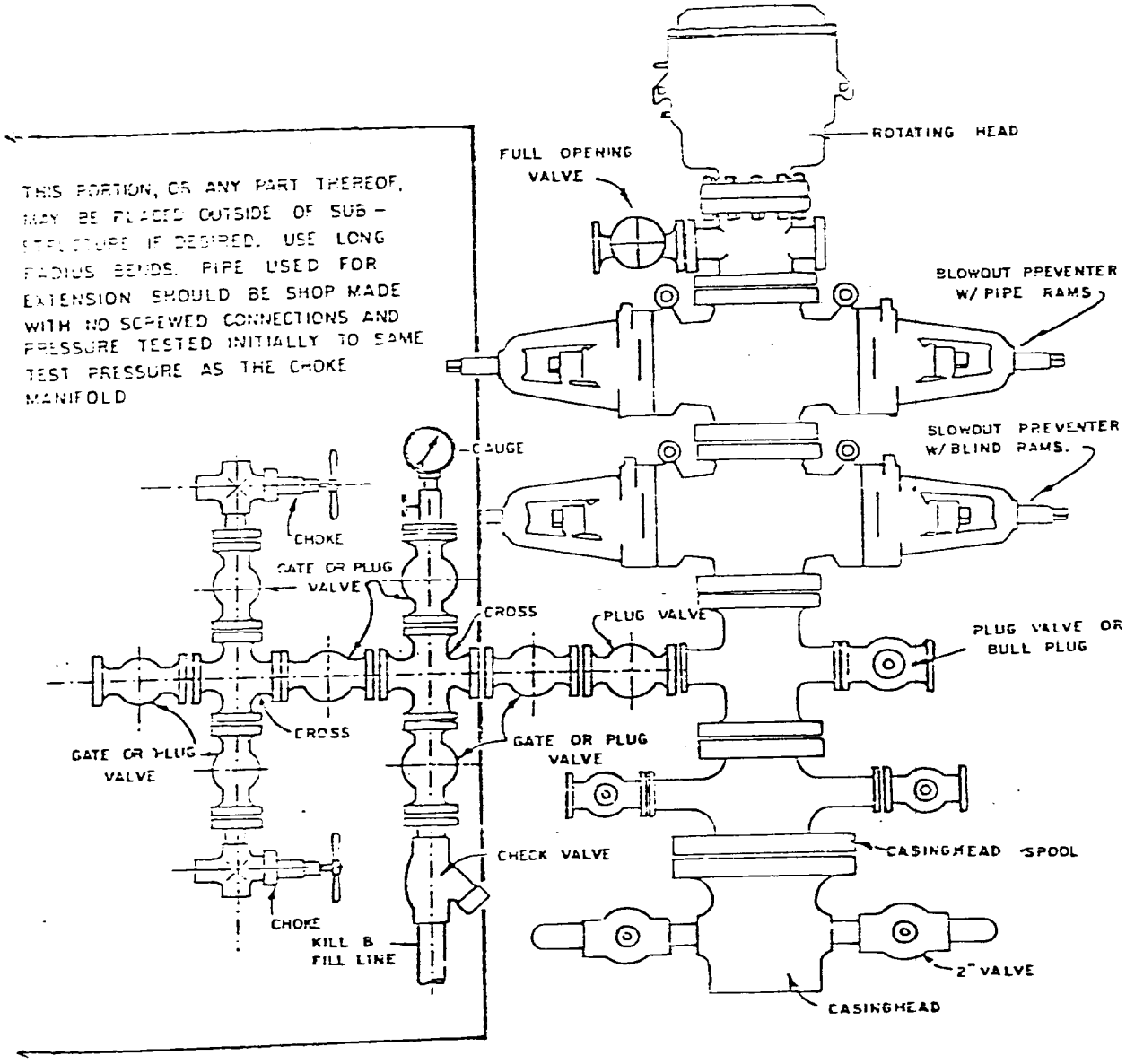
   CRESTED WHEATGRASS (Agropyron desertorum) - 3½ lbs.

   FOURWING SALTBUSH (dewinged) (Atriplex canescens) - ½ lb.

   SAND DROPSEED (Sporobolus cryptandrus) - 3/4 lb.

   WINTERFAT (Eurotia lanata) - ½ lb.

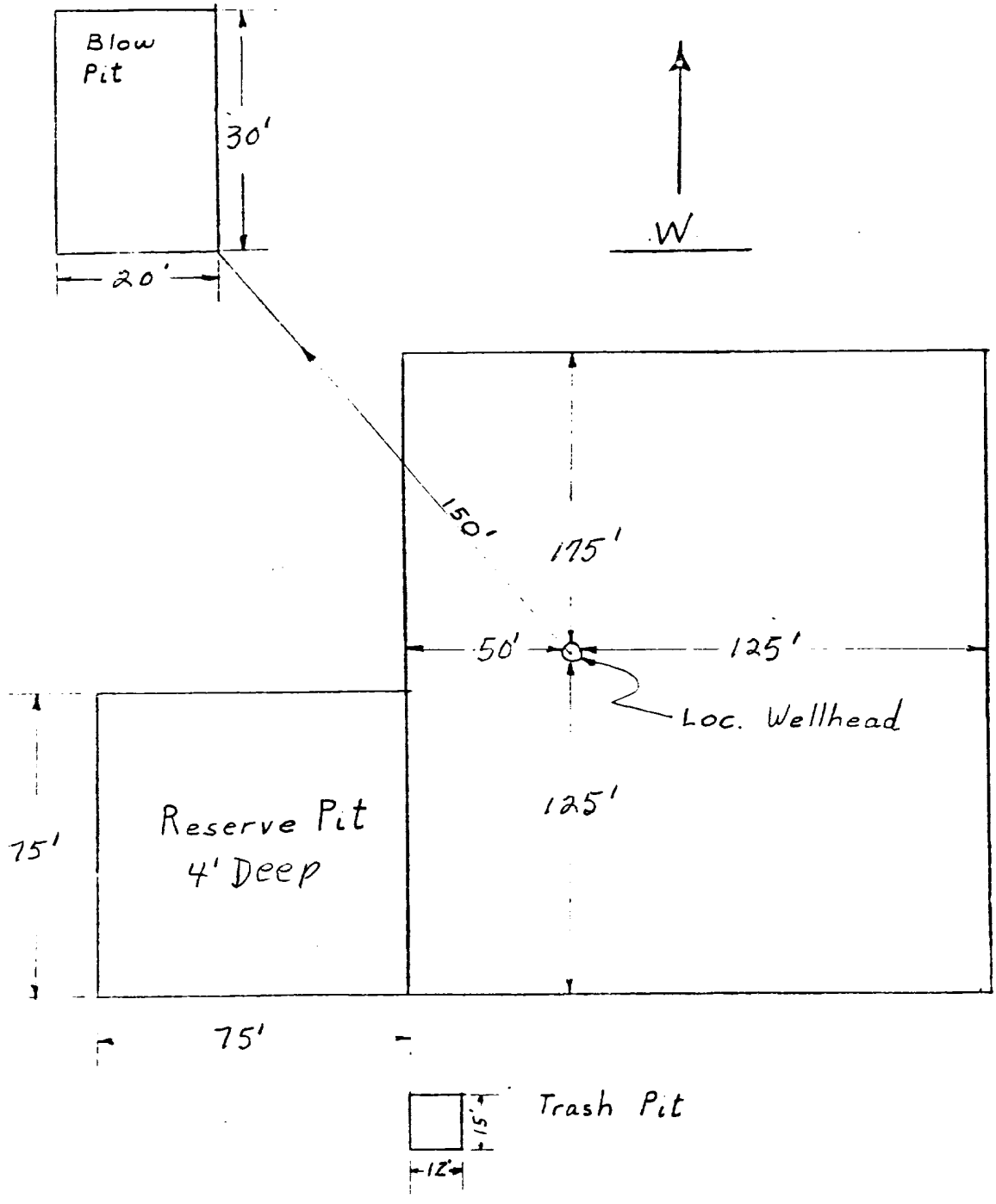
   ALKALI SACATON (Sporobolus airoides) - 3/4 lb.



BLOWOUT PREVENTER HOOKUP

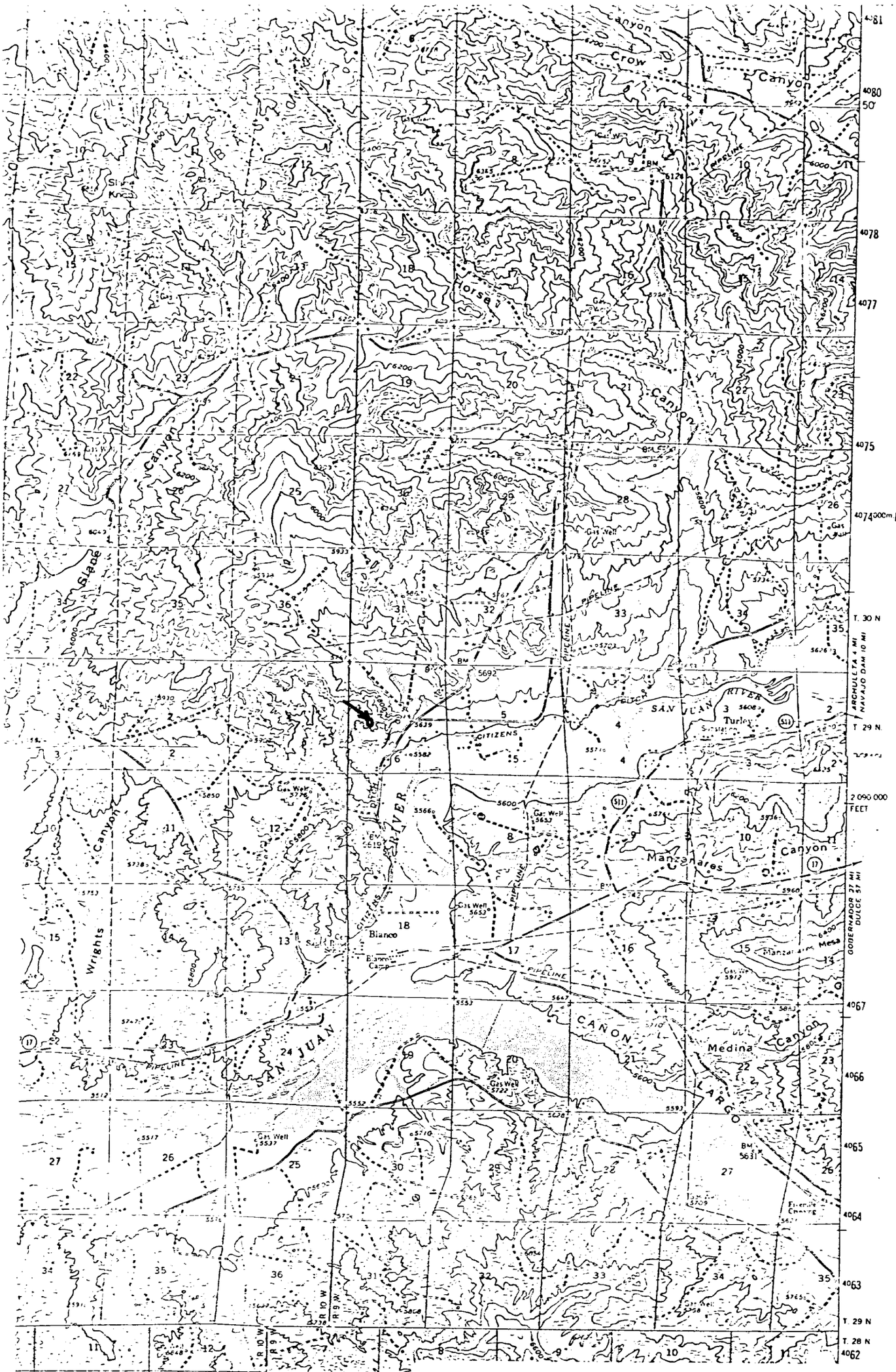
EXHIBIT D-4

OCTOBER 16, 19S



APPROXIMATELY 1.2 Acres

Amoco Production Company	SCALE: NONE
DRILLING LOCATION SPECS JAQUEZ GAS COM "C" NO. 1A	DRG. NO.



Vicinity Map for

AMOCO PRODUCTION CO. #1A Jaquez Gas Com "C" 1

2595'FSL 990'FWL Sec 6-T29N-R9W

San Juan County, New Mexico

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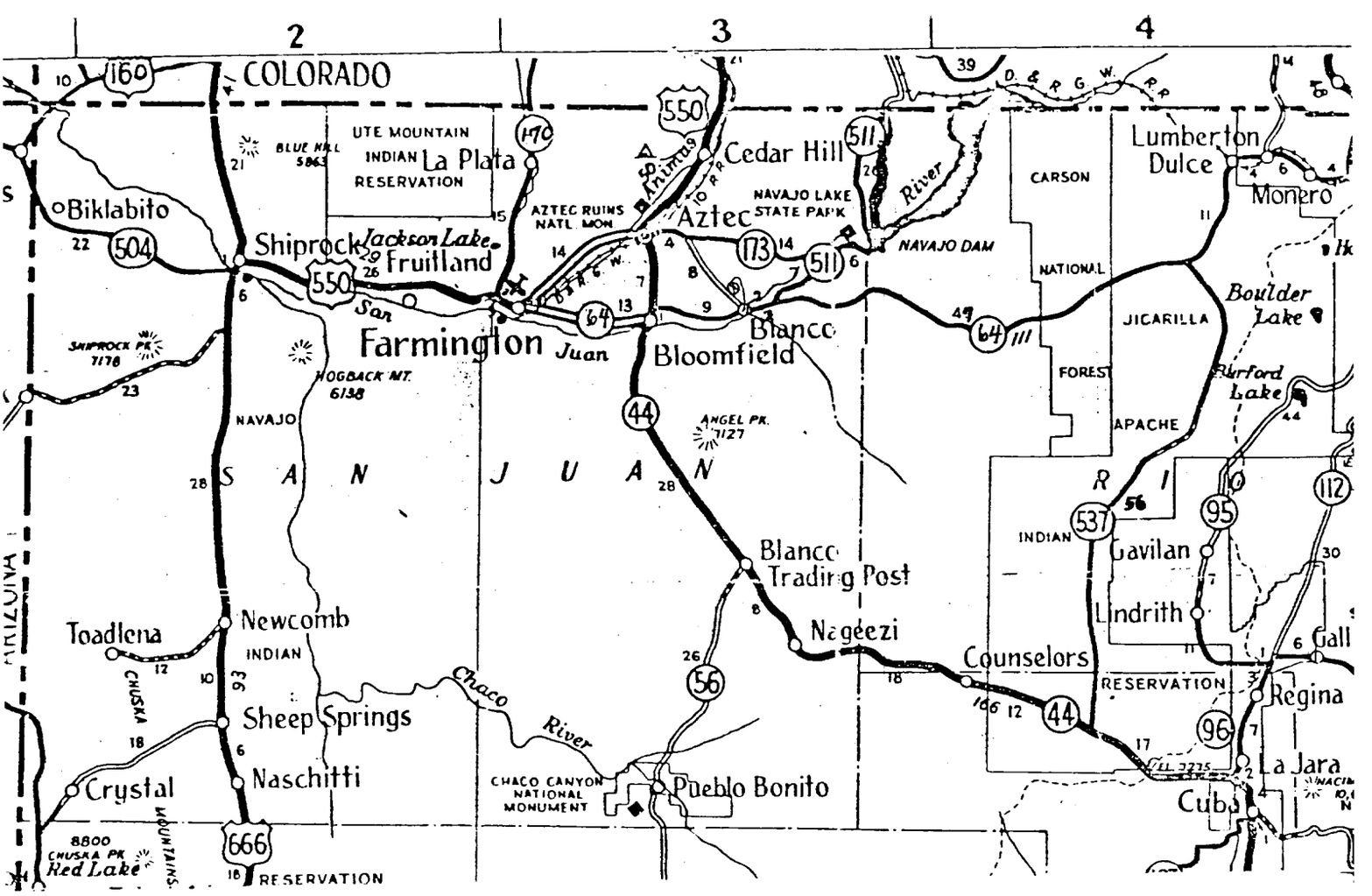

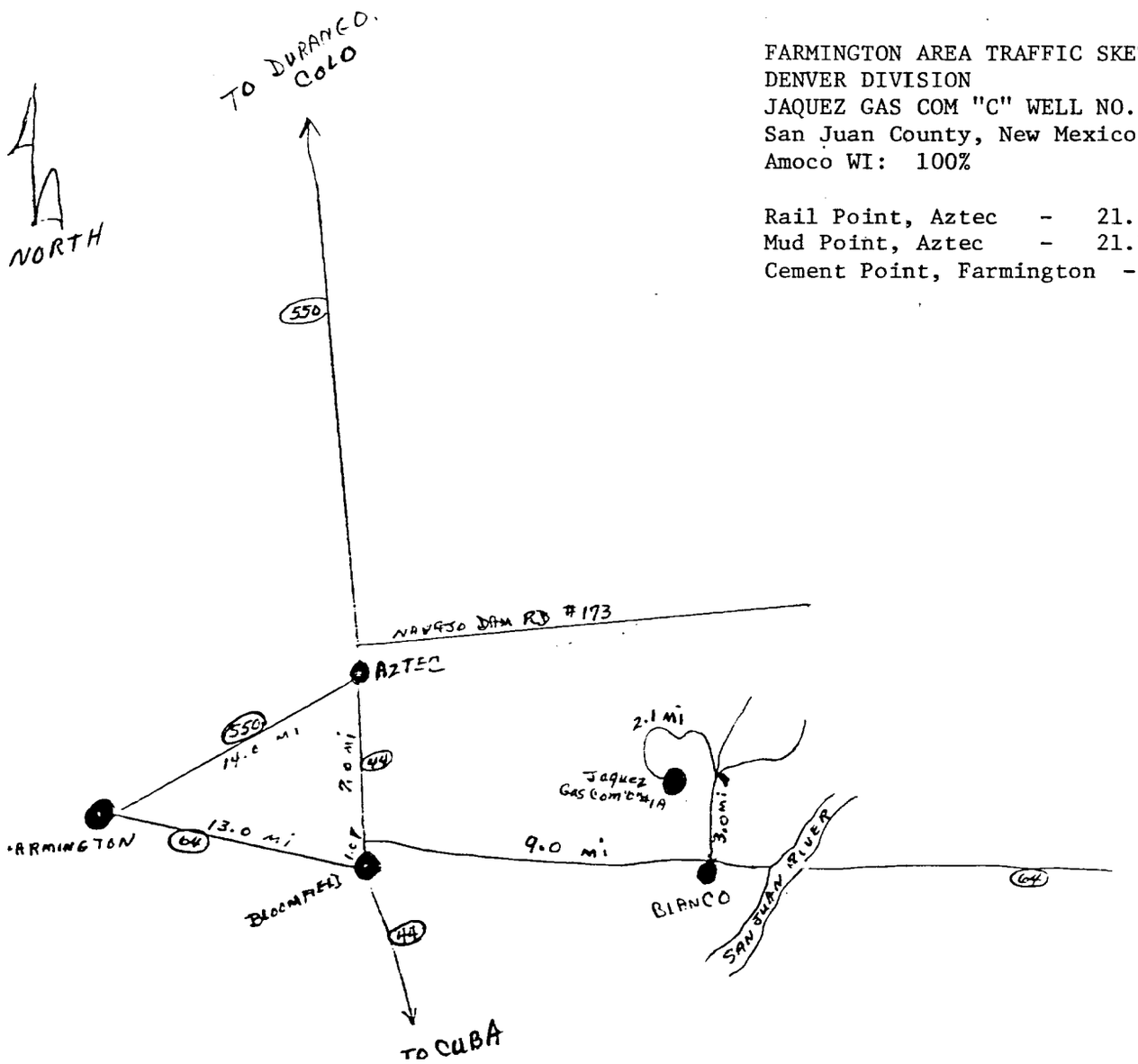

FARMINGTON AREA TRAFFIC SKETCH
DENVER DIVISION
JAQUEZ GAS COM "C" WELL NO. 1A
San Juan County, New Mexico
Amoco WI: 100%

Rail Point, Aztec - 21.1 miles
Mud Point, Aztec - 21.1 miles
Cement Point, Farmington - 28.1 miles

9-29-77