

NAVAJO ALLOCATED GAS COM "B" NO. 1A  
790' FSL & 1610' FEL, SECTION 36, T-28-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.

NOVEMBER 17, 1977

Date



Area Supt.

Name and Title

DEVELOPMENT PLAN  
 NAVAJO ALLOTTED GAS COM "B" NO. 1A  
 790' FSL x 1610' FEL, SECTION 36, T-28-N, R-9-W  
 SAN JUAN COUNTY, NEW MEXICO

The location is sandy and covered with sagebrush. The geologic name of the surface formation is Tertiary San Jose. It will be necessary to build a road 125 feet in length which will run 240 feet east of Ada Candelario Well No. 1. No material will be hauled in for building the location. Verbal approval of the drill site has been obtained from Messrs. Harold Cayaditto and Virgil Anderson, Eastern Navajo Agency, Crownpoint, New Mexico, and Mr. Ray Foster, U. S. Geological Survey. Archeological clearance has been recommended by Ms. Dabney Ford, Archeologist.

Water will be hauled from the San Juan River approximately 10 miles. Drilling fluid to 2460' will be water and Benex and the well will be gas drilled from 2460' to TD. Upon completion the location will be cleaned up and levelled with drainage ditches on upper side. Drilling mud and water will be hauled away and the reserve pit backfilled. Seeding will be in accordance with instructions from the BIA. In addition, all surface equipment will be painted so as to follow requirements.

There are neither airstrips nor 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	2060'	+3804'
Cliffhouse	3715'	+2149'
Menefee	3757'	+2107'
Point Lookout	4333'	+1531'

Estimated KB elevation: 5864'

<u>EST. DEPTH</u>	<u>CSG. SIZE</u>	<u>WEIGHT</u>	<u>HOLE SIZE</u>	<u>SACKS CEMENT</u>	<u>-</u>	<u>TYPE</u>
250'	9-5/8"	32.3#	13-3/8"	340	-	Class "B", 2% CaCl <sub>2</sub> .
2460'	7"	20#	8-3/4"	430	-	Class "B", 6% Gel, 2# Med. Tuf Plug/sx.
				100	-	Class "B", 2% CaCl <sub>2</sub> .
2260-4660'	4-1/2"	10.5#	6-1/4"	200	-	Class "B", 50:50 Poz, 6% Gel, 2# Med Tuf Plug/sx, 0.2% Friction Reducer.
				80	-	Class "B", 50:50 Poz, 6% Gel.

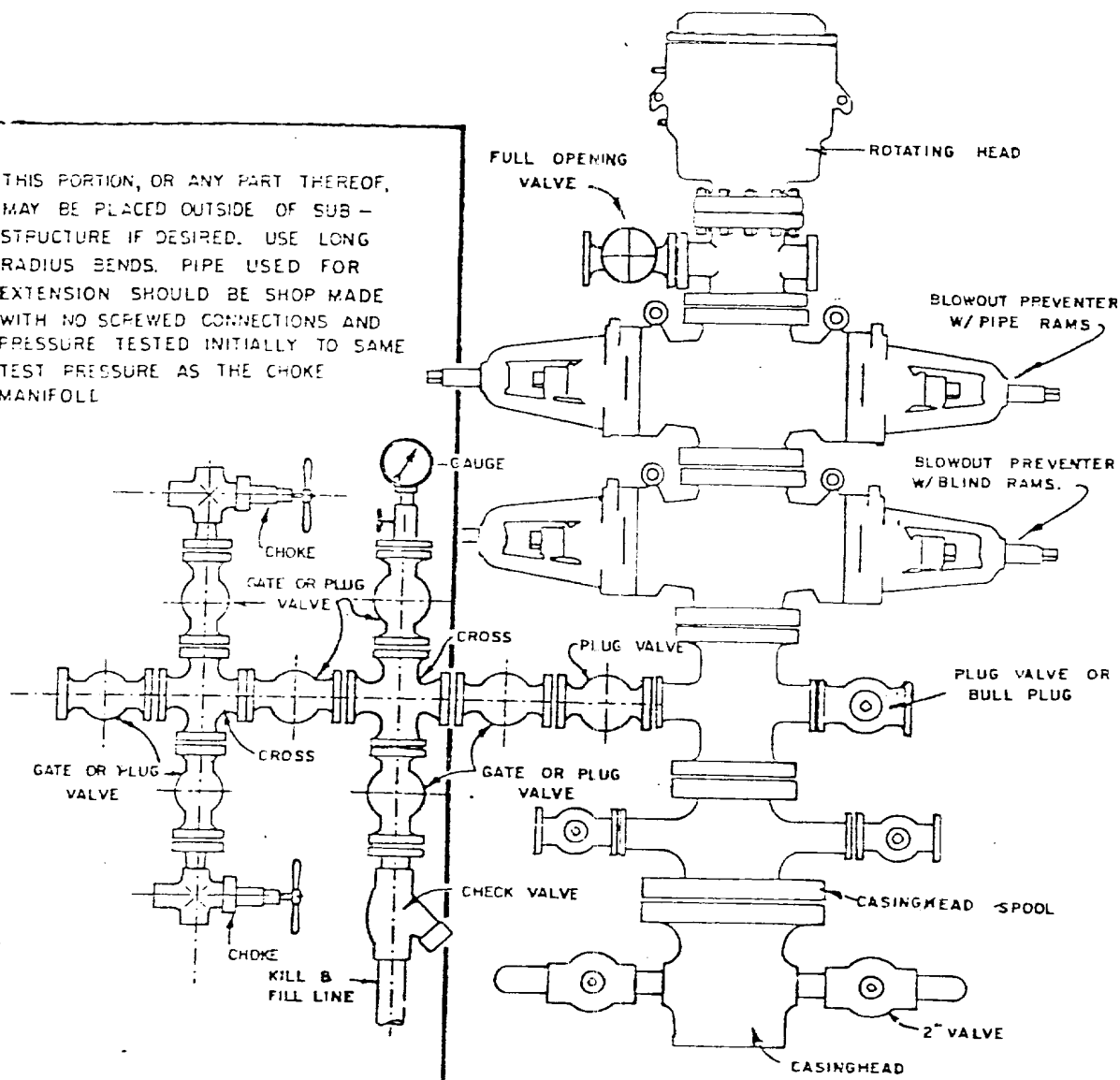
Amoco's standard blowout prevention will be employed, see attached drawing for blowout preventer design.

Amoco plans to run the following logs from TD to 2460': Induction-Electric, Density-Gamma Ray, and Sidewall Neutron Porosity-Gamma Ray. No Cores or Drill Stem Tests will be taken.

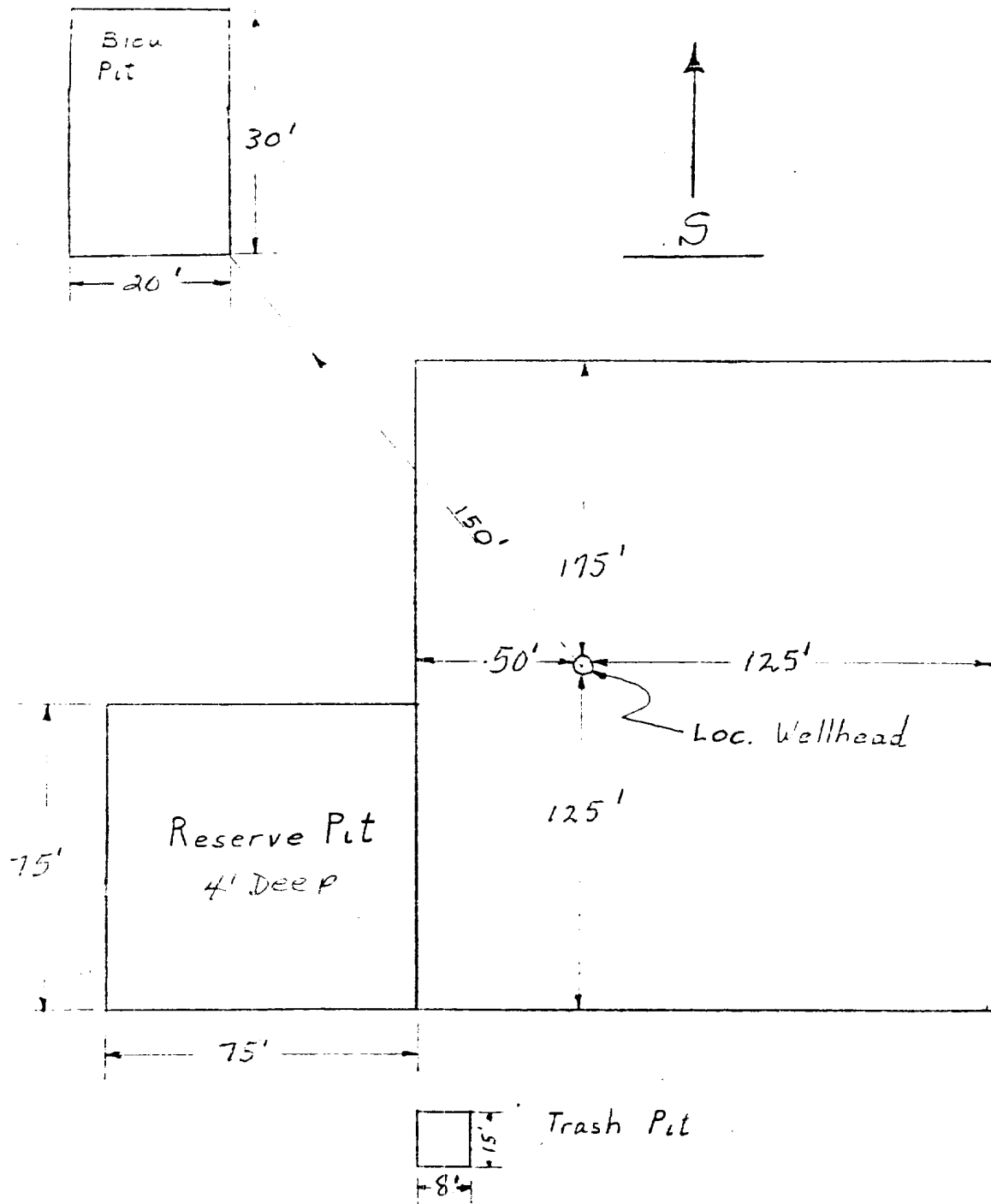
In the past, drilling in this area has shown that no abnormal pressure, temperatures, or hydrocarbon gas will be encountered.

We will start operation as soon as well is permitted, and a three-week operation is anticipated.

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

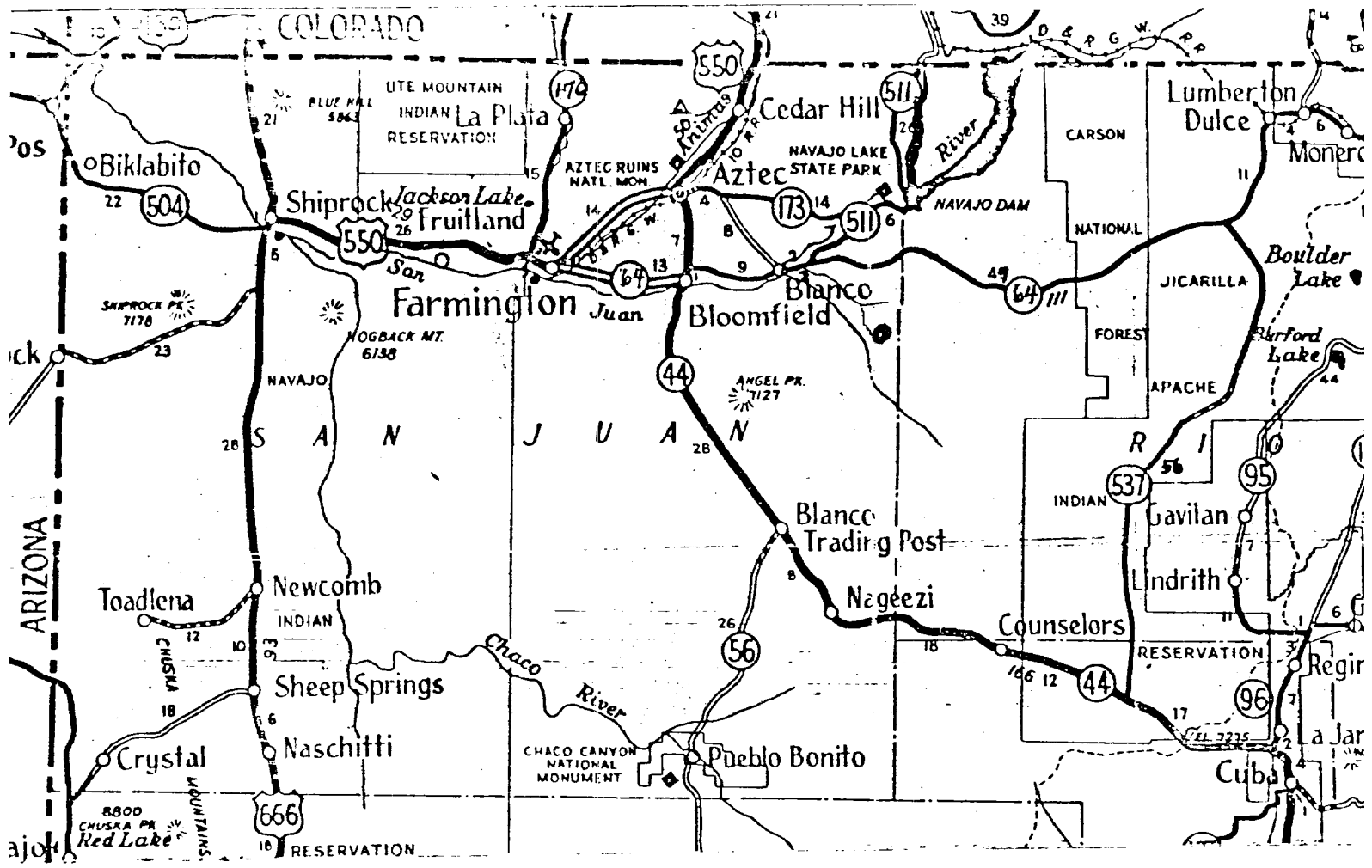


BLOWOUT PREVENTER HOOKUP



APPROXIMATELY 1.2 Acres

Amoco Production Company	SCALE: NONE
DRILLING LOCATION SPECS NAVATO ALLOTTED GAS COM "B" NO. 1A	DRG. NO.

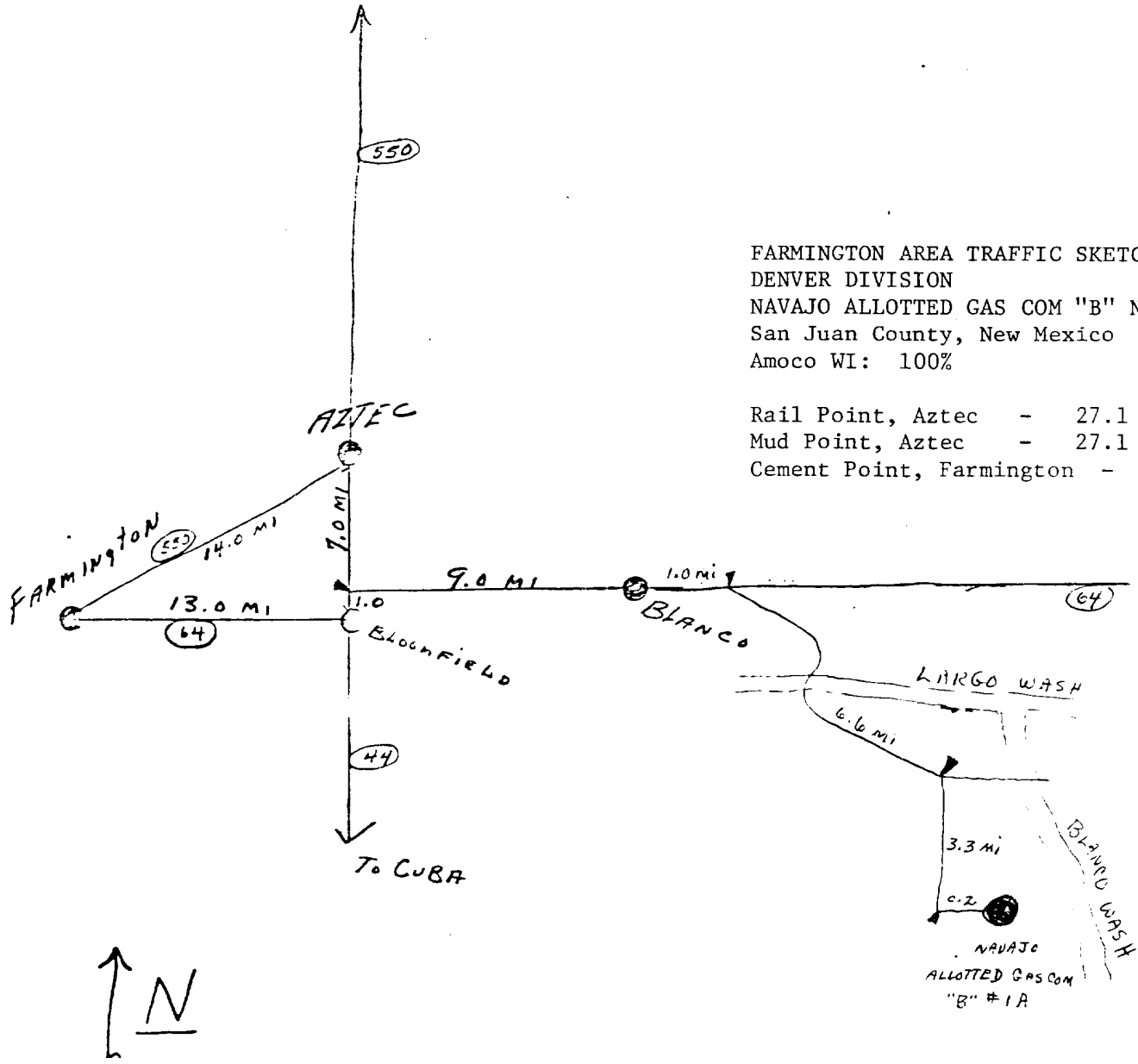


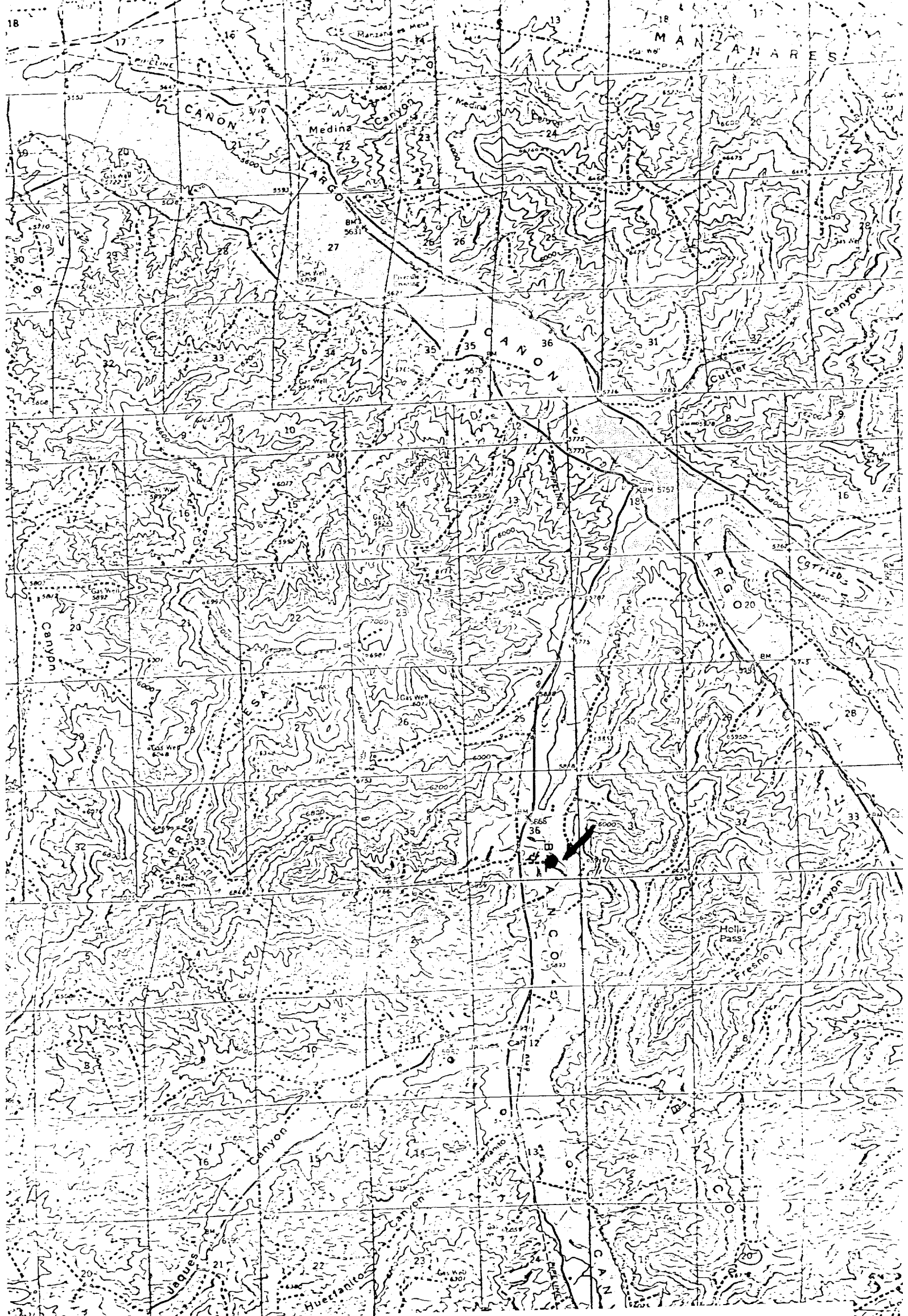
TO DURANGO  
COLO.

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

Rail Point, Aztec - 27.1 miles  
 Mud Point, Aztec - 27.1 miles  
 Cement Point, Farmington - 34.1 miles

11-8-77





Vicinity Map for  
AMOCO PRODUCTION CO. #1A NAVAJO ALLOTTED GAS COM "B"  
790'FSL 1610'FEL Sec 36-T28N-R9W  
SAN JUAN COUNTY, NEW MEXICO