

UTE MOUNTAIN GAS COM "M" NO. 1  
1725 FNL & 1960 FWL, SECTION 11, T-31-N, R-14-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.

AUGUST 31, 1977

Date

L.O. [Signature] Area Supt.  
Name and Title

DEVELOPMENT PLAN  
UTE MOUNTAIN GAS COM "M" NO. 1  
1725' FNL & 1960' FWL, SECTION 11, T-31-N, R-14-W  
SAN JUAN COUNTY, NEW MEXICO

The location lies on a slight eastern colluvium slope of small gravels and sand. Vegetation consists of greasewood and sage.

The access will be a new road approximately 600 feet in length and 18 feet wide and enters the location from the north. No material will be hauled in to build location; available material at location site will be used. The geologic name of the surface formation is Cretaceous Cliffhouse.

No cultural resources were found and archaeological clearance was recommended by Mrs. Suzanne DeHoff.

Arrangements are being made to haul water from a private water well approximately 8 miles. Drilling fluid to 600' will be water and natural gel. Low solids non-dispersed mud will be used from 600' to TD. Upon completion the location will be cleaned up, leveled and reseeded. Water and mud will be hauled from the reserve pit and graded into roads. The reserve pit will be leveled and reseeded. Seeding plan to be followed for this well will be as instructed by the BIA.

There are no airstrips or camps in the vicinity.

The estimated tops of important geological formations are:

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>
Dakota	2387'	+3435'
Morrison	2652'	+3170'
Upper Hermosa	6342'	- 520'
Paradox	7272'	-1450'
Barker Creek	7922'	-2100'
Molas	8122'	-2300'
TD	8222'	-2400'

Estimated KB elevation: 5822'

<u>EST. DEPTH</u>	<u>CSG. SIZE</u>	<u>HOLE SIZE</u>	<u>SACKS CEMENT - TYPE</u>
600'	8-5/8"	12-1/4"	500 - Class "B" 2% CaCl <sub>2</sub>
8222'	5-1/2"	7-7/8"	460 - Class "B" 50:50 Poz & 200 - Class "B" Neat - 1st stage; 400 - Class "B" 50:50 Poz & 100 - Class "B" Neat - 2nd stage.

Stage collar 200' below base of Dakota.

Amoco's standard blowout preventer design will be used as shown on the attachment.

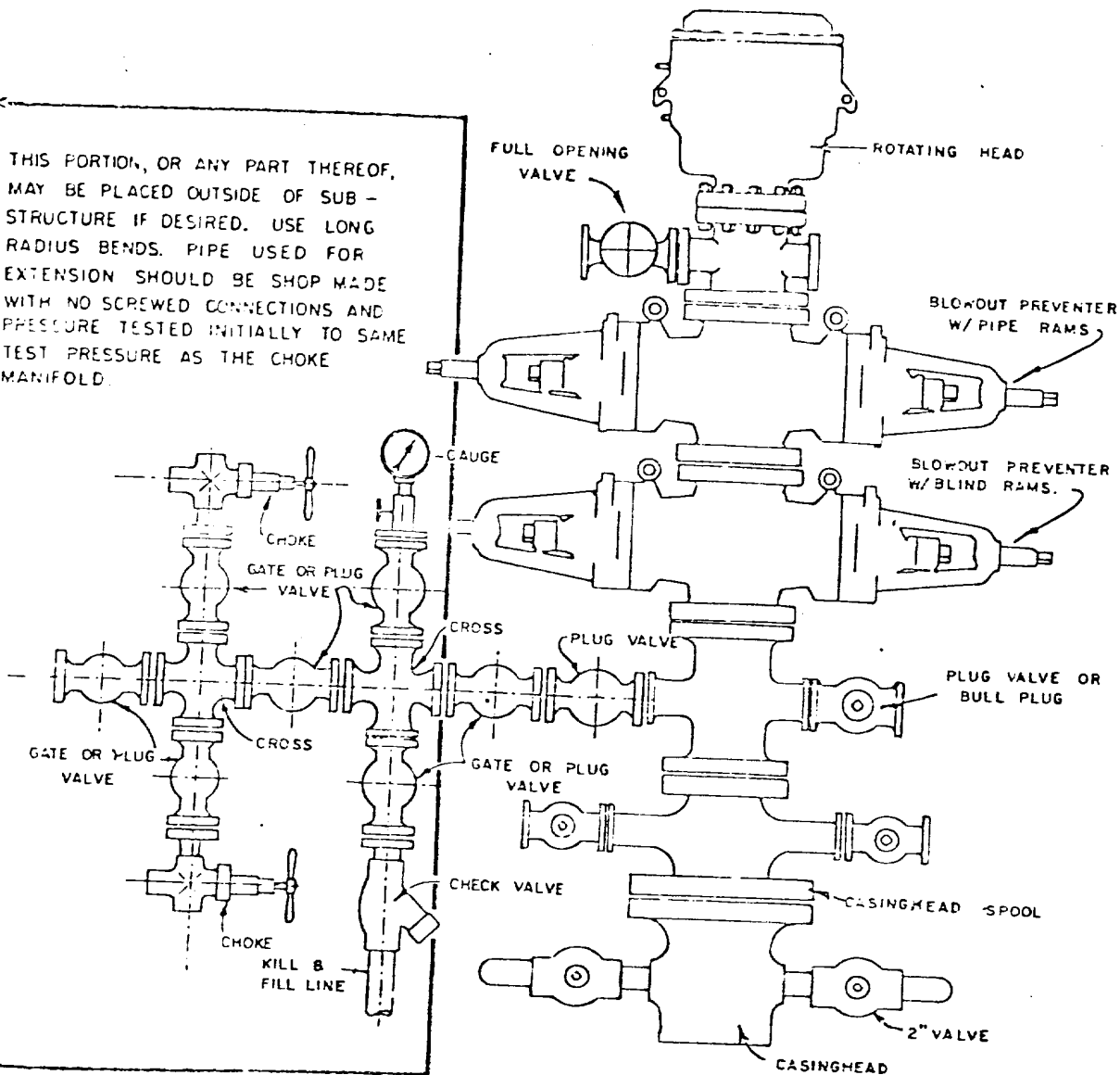
The logging program will be: At Top Morrison: IES surface casing - Top  
Morrison; Neutrone-density  
2000' - Top Morrison.  
At Final TD : IES Top Morrison - TD  
Neutrone-density 7000' - TD.

A drill stem test will be run in the Dakota and Paradox. No cores will be cut.

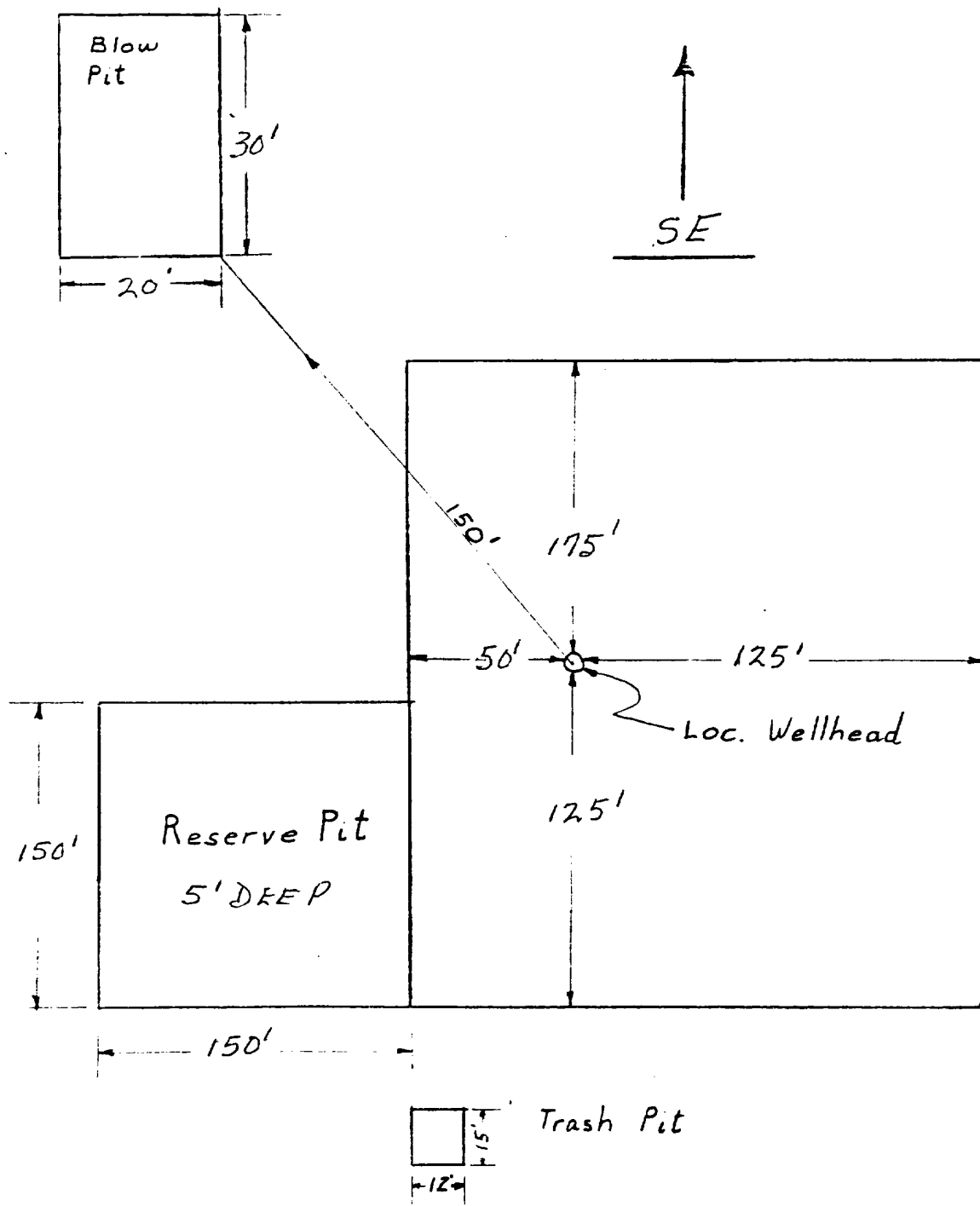
No abnormal pressures or temperatures will be encountered. Hydrogen sulfide gas will be encountered in the Paradox.

Our proposed starting date will be as soon as well permitted, and a six week operation is planned.

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



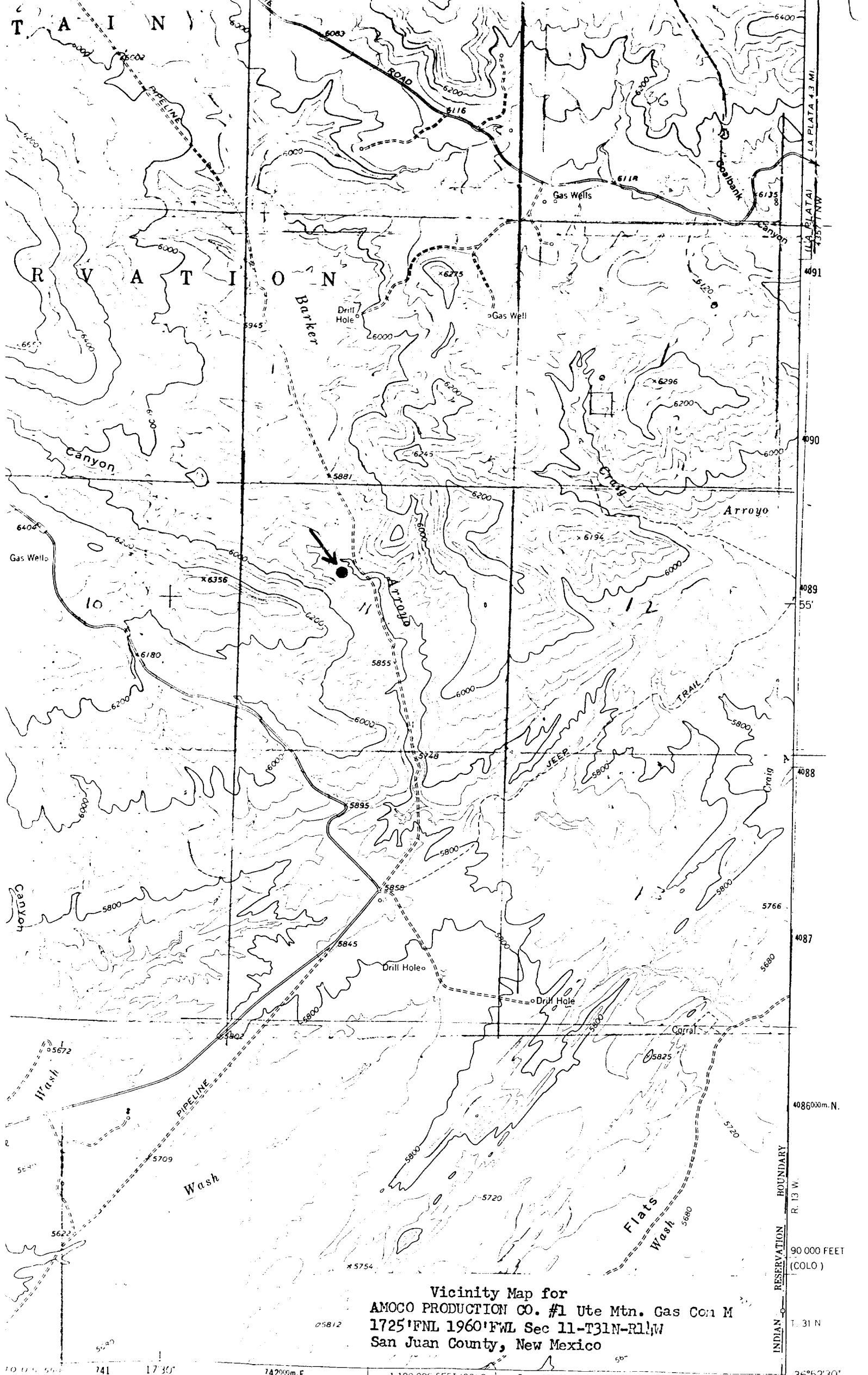
APPROXIMATELY 1.2 Acres

Amoco Production Company

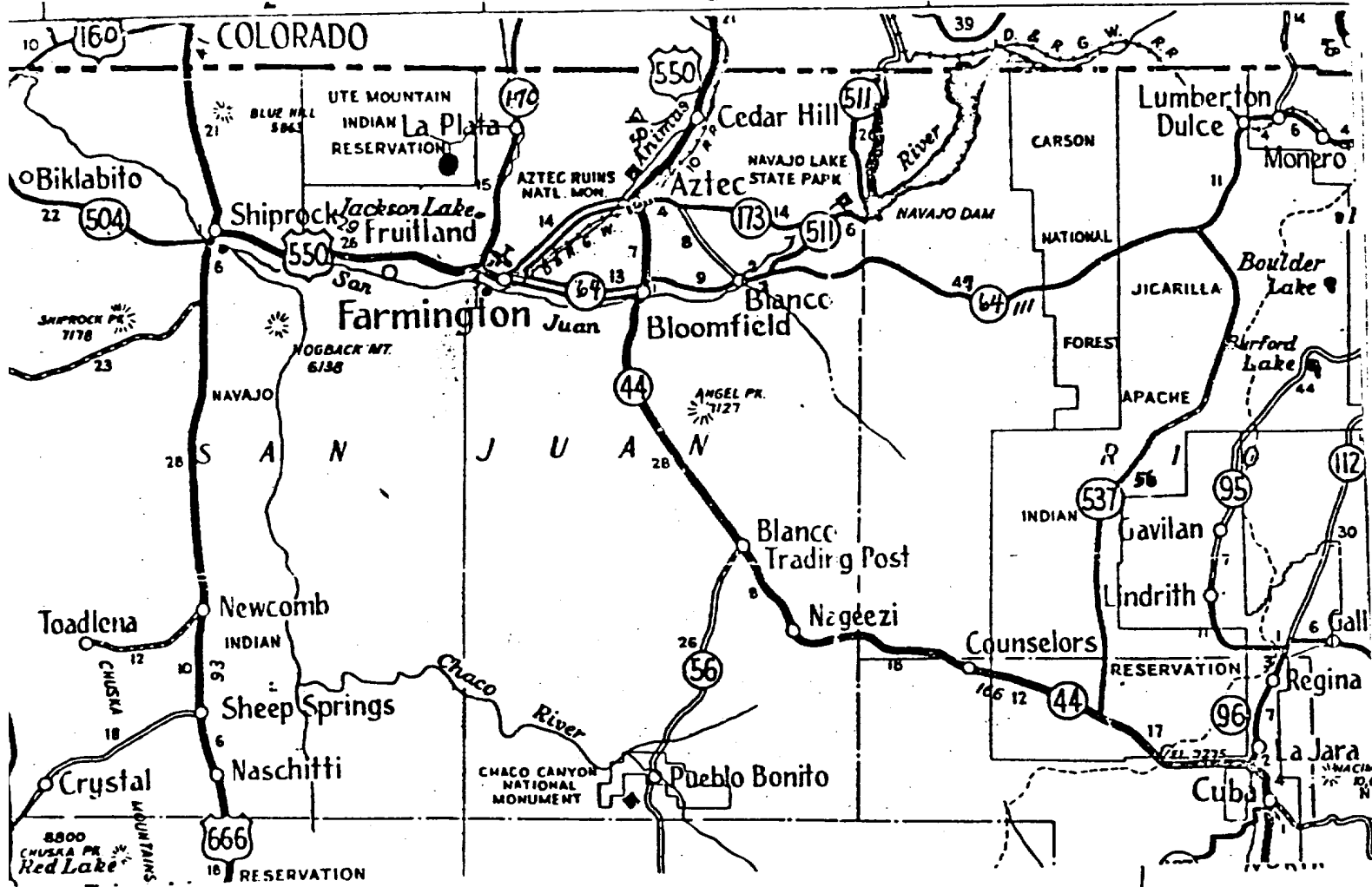
SCALE: NONE

DRILLING LOCATION SPECS  
 -- UTE MOUNTAIN GAS CO. "M" NO. 1

DRG.  
 NO.



Vicinity Map for  
AMOCO PRODUCTION CO. #1 Ute Mtn. Gas Con M  
1725' FNL 1960' FWL Sec 11-T31N-R13W  
San Juan County, New Mexico



FARMINGTON AREA TRAFFIC SKETCH  
 DENVER DIVISION  
 Ute Mountain Gas Com "M" No. 1  
 San Juan County, New Mexico  
 Amoco WI: 100%

Rail Point, Farmington - 28.9 miles  
 Mud Point, Farmington - 28.9 miles  
 Cement Point, Farmington - 28.9 miles

8-30-77

