DEVELOPMENT PLAN
HEATH GAS COM "B" NO. 1A
1490' FNL & 1450' FWL, SECTION 9, T-30N, R-9W
SAN JUAN COUNTY, NEW MEXICO

The proposed location has sagebrush, rabbitbrush, snakeweed, occasional juniper, and various grasses as vegetation. The geological name of the surface formation is the Nacimiento. No new road will be built to the well site as an existing road runs directly along the east side of the location. No construction materials will be used for building the location; dirt will be leveled at the well site. No location cut will be required. Verbal approval of the drill site has been obtained from Mr. Bob Moore, BLM; Mrs. Nancy Hewett, Archaeologist; and Mr. M. L. Seelinger, USGS, and Mr. Don Miller, USGS.

Arrangements are being made to haul water from the Blanco ditch, approximately 4 miles. Drilling fluid to 2650' will be a low solids, non-dispersed drilling mud, and the well will be gas drilled from 2650' to TD (4800'). Upon completion the location will be cleaned up and leveled, the excess water and drilling fluids will be pumped out and bladed into the acess roads, and the reserve pit backfilled. Attached is the BLM seeding plan to be followed for this well. In addition, all surface equipment will be painted green 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	2266'	+3460'
Cliffhouse	3901'	+1825'
Menefee	4071'	+1655'
Point Lookout	4506'	+1220'

Estimated KB elevation: 5726'.

Est. Depth	Csg. Size	Weight	Hole Size	Sacks Cement - Type
250'	9-5/8"	32.3#	12-1/4"	250 - Class "B", 2% CaCl2.
2650'	7"	20#	8-3/4"	460 - Class "B", 6% Gel, 2# Med. Tuf Plug/sx.
				50 - Class "B", 2% CaCl2.
2450-4800'	4-1/2"	11#	6-1/4"	200 - Class "B" 50:50 Poz, 6% Gel, 2# Med. Tuf Plug/sx, 0.2% friction reducer.
				75 - 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 in January, 1977, 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:

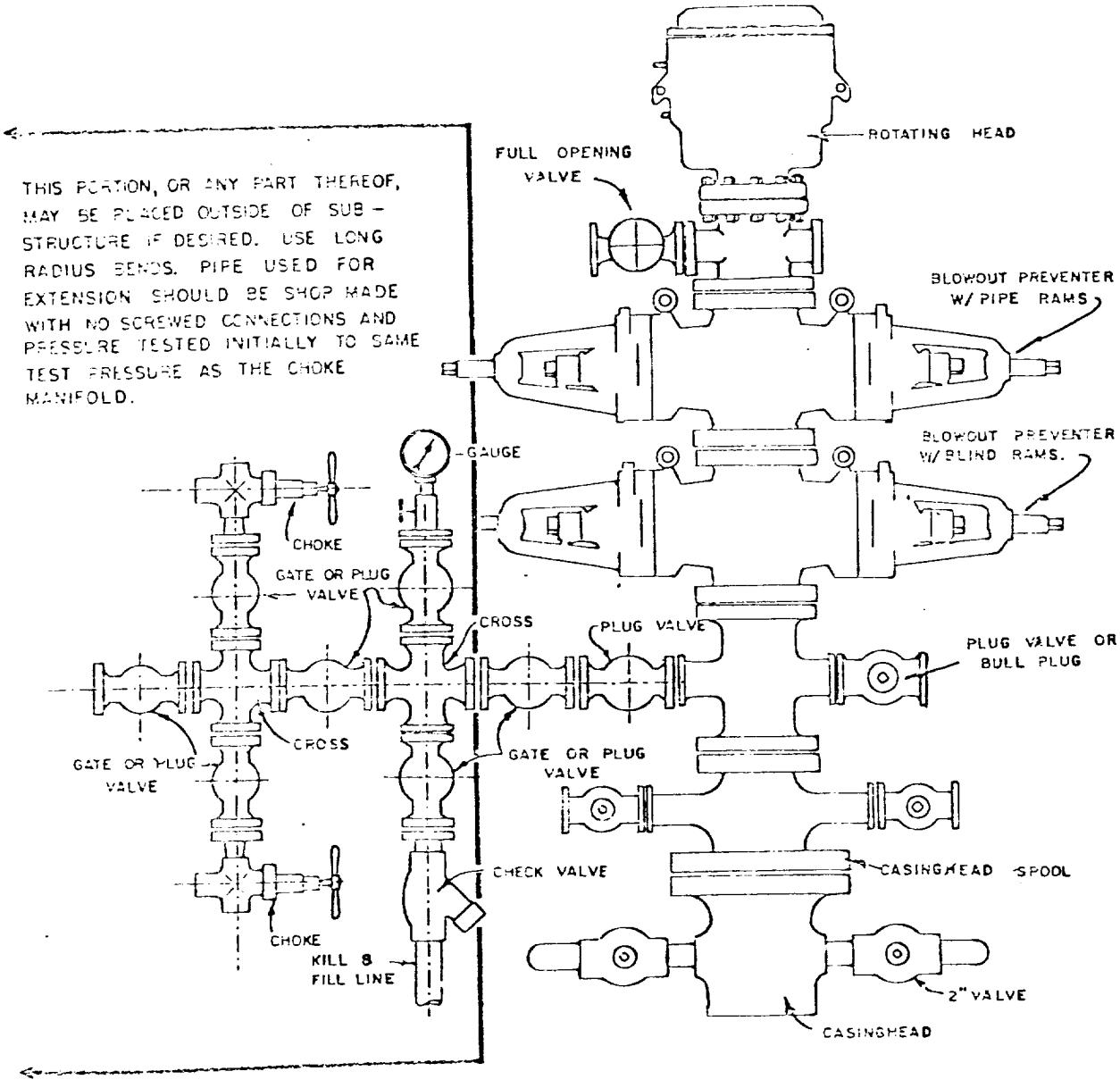
CRESTED WHEATGRASS (Agropyron desertorum) - 3½ lbs.

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, 1969