

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-10;  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

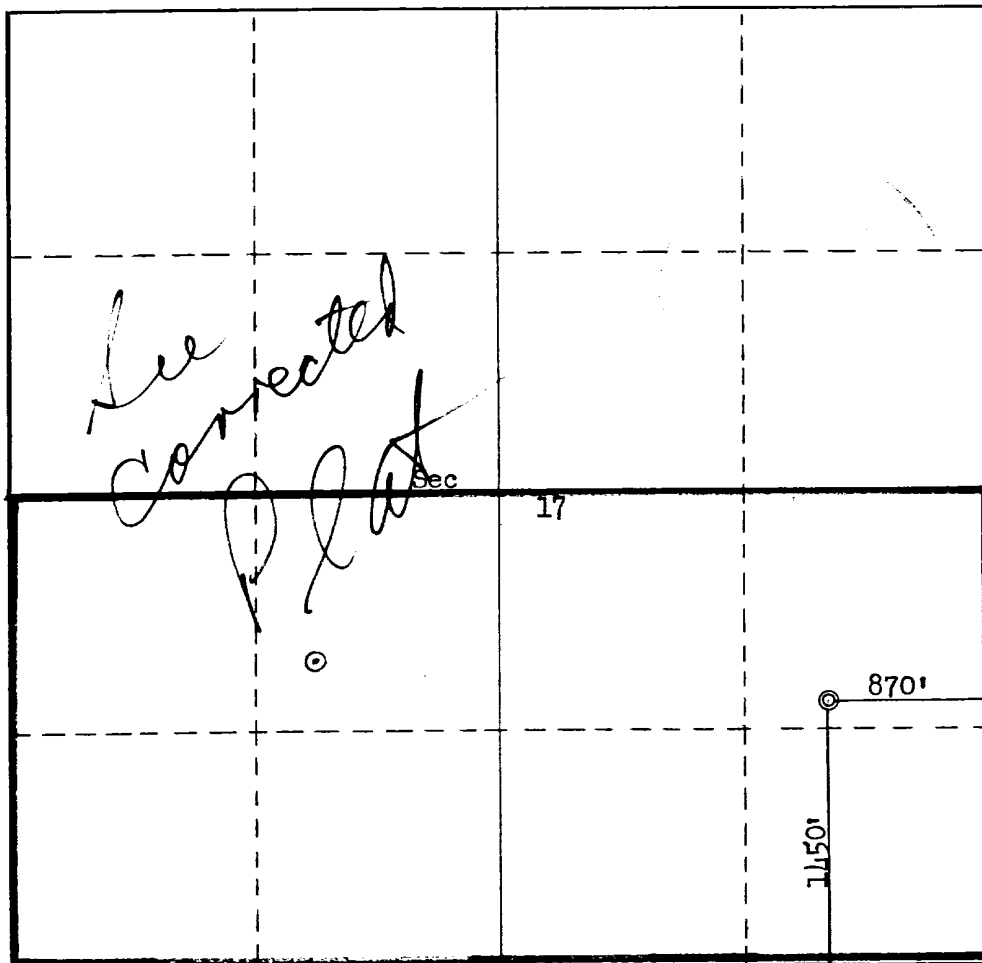
Operator <b>Amoco Production Company</b>			Lease <b>W. D. Heath "A"</b>		Well No. <b>3A 2A</b>
Unit Letter <b>I</b>	Section <b>17</b>	Township <b>29N</b>	Range <b>9W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1450</b> feet from the <b>South</b> line and <b>870</b> feet from the <b>East</b> line					
Ground Level Elev. <b>5673</b>	Producing Formation <b>Mesa Verde</b>		Pool <b>Blanco Mesaverde</b>		Dedicated Acreage: <b>320</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes    ☐ No    If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



**CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name <b>J. L. KRUPKA</b>	
Position <b>AREA ENGINEER</b>	
Company <b>AMOCO PRODUCTION COMPANY</b>	
Date <b>SEPTEMBER 21, 1977</b>	

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed <b>September 16, 1977</b>
Registered Professional Engineer and/or Land Surveyor <b>Fred B. Kerr Jr.</b>
Certificate No. <b>3950</b>

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

W. D. HEATH "A" NO. 3A  
1450 FSL & 870 FEL, SECTION 17, 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.

10/1/77

Date

L. D. Lawrence Area Supt.  
Name and Title

DEVELOPMENT PLAN  
W. D. HEATH "A" NO. 3A  
1450 FSL x 870 FEL, SECTION 17, T-29-N, R-9-W  
SAN JUAN COUNTY, NEW MEXICO

The proposed location has sagebrush, some rabbit brush, but no trees. The soil is very sandy. The geological name of the surface formation is Nacimiento. Approximately 250 feet of new road will be required to be built to the location. The new road will tie directly into an existing road. Material from high points will be used to level location for proper drilling. No location cut will be required. Verbal approval of the drill site has been obtained from Mr. Bob Moore, BLM; Mr. Ray Foster, USGS; and Ms. Dabney Ford, Archaeologist.

Water will be hauled from the Blanco irrigation ditch over existing roads. Drilling fluid to 2540' will be a low solids, non-dispersed drilling mud, and the well will be gas drilled from 2540' to TD (4650'). 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. 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:

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>
Pictured Cliffs	2141'	+3546'
Cliffhouse	3815'	+1871'
Menefee	3978'	+1708'
Point Lookout	4363'	+1324'

Estimated KB elevation 5684'

<u>EST. DEPTH</u>	<u>CASING SIZE</u>	<u>WEIGHT</u>	<u>HOLE SIZE</u>	<u>SACKS CEMENT - TYPE</u>
250'	9-5/8"	32.3#	13-3/4"	450 - Class "B", 2% CaCl <sub>2</sub>
2540'	7"	20#	8-3/4"	440 - Class "B", 6% Gel, 2# Med. Tuf Plug per sx.
				100 - Class "B", 2% CaCl <sub>2</sub>
2340-4650'	4-1/2"	11#	6-1/4"	200 - Class "B", 50:50 Poz, 6% Gel, 2# Med Tuf Plug per sx, 0.2% Friction Reducer
				70 - 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 is 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.

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) -  $3\frac{1}{2}$  lbs.

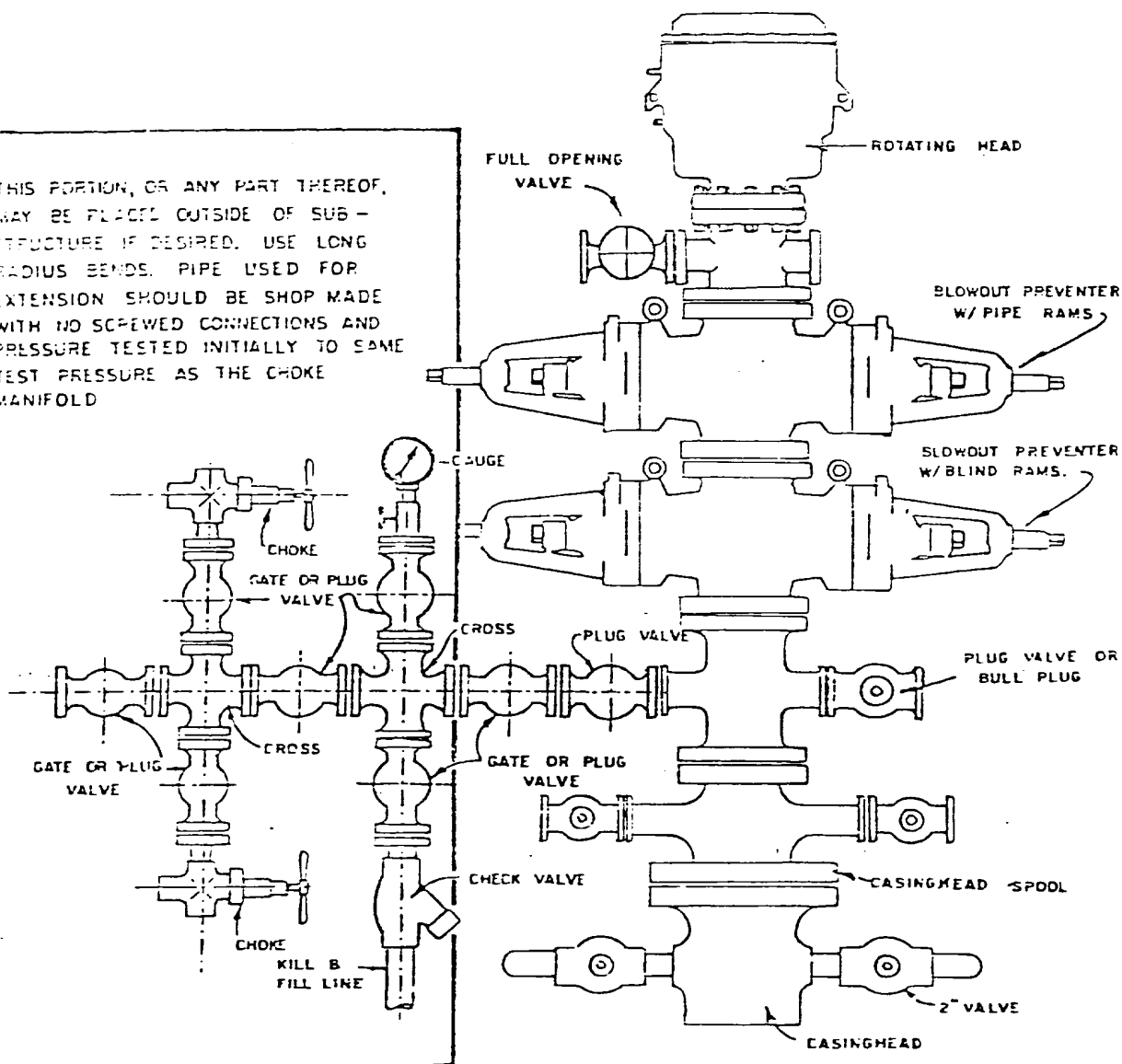
FOURWING SALTBUSH (dewinged) (Atriplex canescens) -  $\frac{1}{2}$  lb.

SAND DROPSEED (Sporobolus cryptandrus) -  $3\frac{1}{4}$  lb.

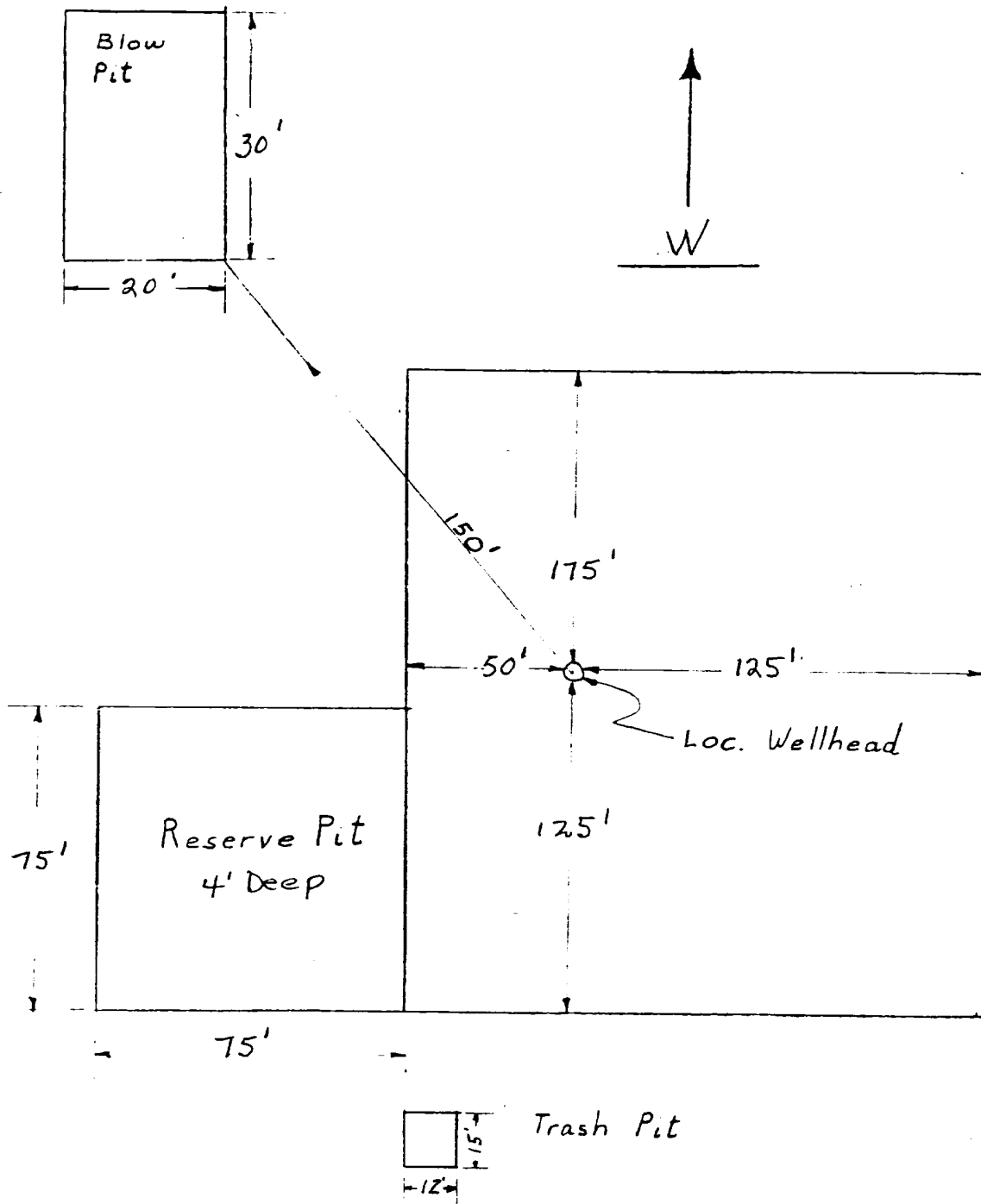
WINTERFAT (Eurotia lanata) -  $\frac{1}{2}$  lb.

ALKALI SACATON (Sporobolus airoides) -  $3\frac{1}{4}$  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

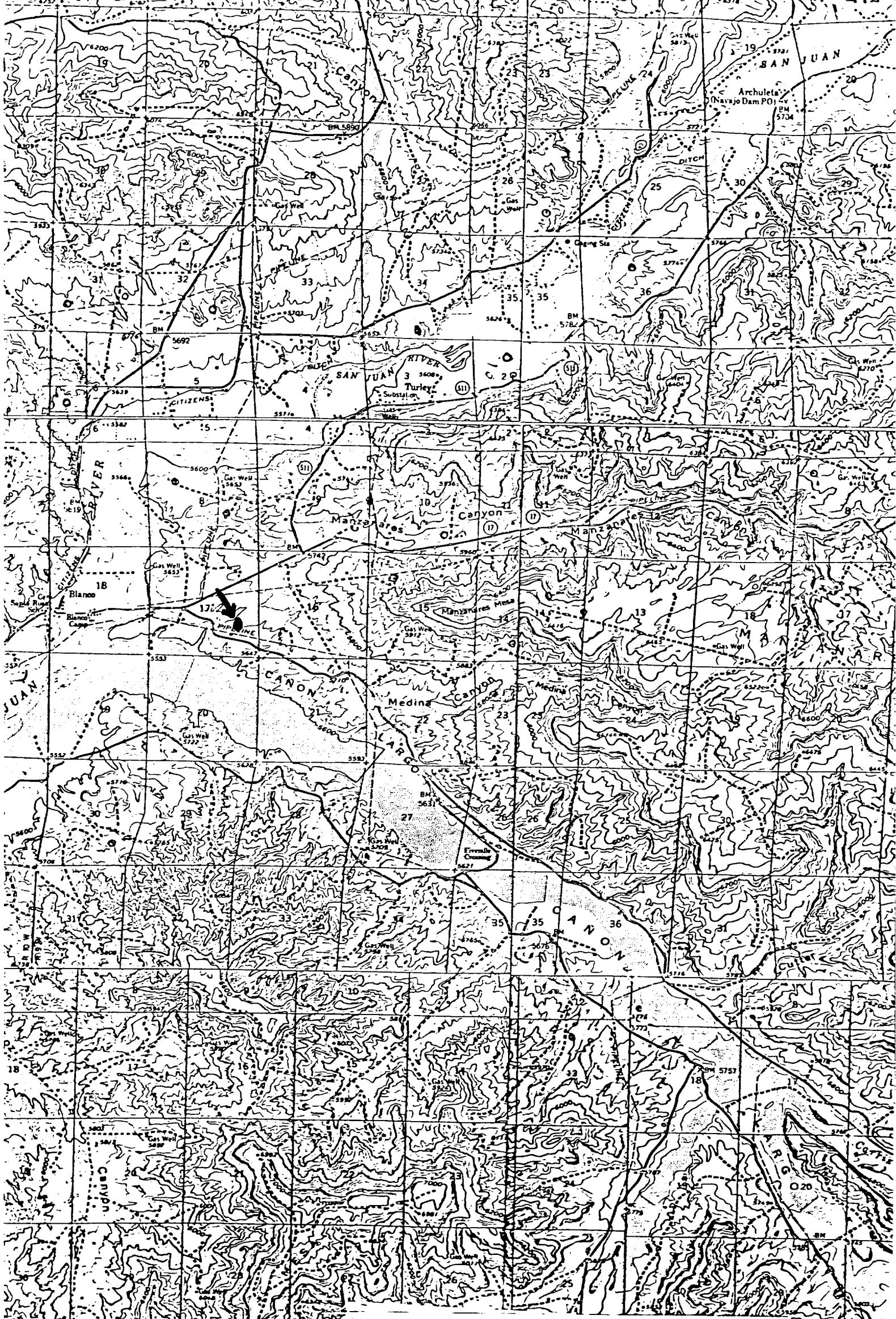


BLOWOUT PREVENTER HOOKUP



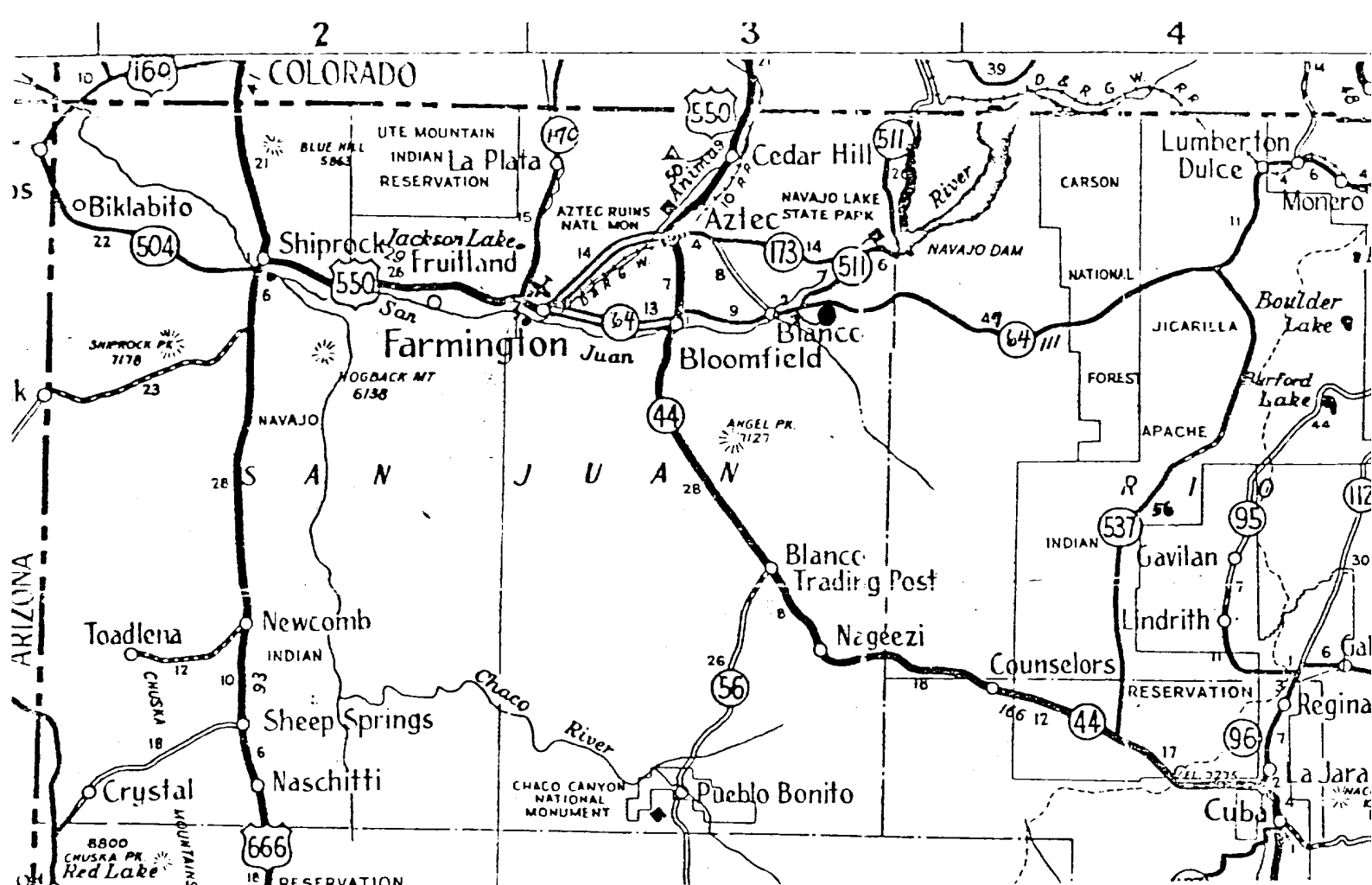
APPROXIMATELY 1.2 Acres

Amoco Production Company	SCALE: NONE
DRILLING LOCATION SPECS W.D. HEATH "A" NO. 3 A	DRG. NO.

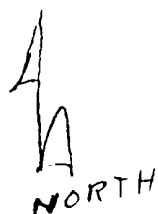


Vicinity Map for  
AMOCO PRODUCTION CO. #3A W. D. Heath "A"  
11,50'FSL 870'FEL Sec 17-T29N-R9W  
San Juan County, New Mexico





TO DURANGO  
COLO



FARMINGTON AREA TRAFFIC SKETCH  
DENVER DIVISION  
W. D. HEATH "A" WELL NO. 3A  
San Juan County, New Mexico  
Amoco WI: 100%

Rail Point, Aztec - 19.2 miles  
Mud Point, Aztec - 19.2 miles  
Cement Point, Farmington - 26.2 miles

9-29-77

