

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY30-095-23307
5. LEASE DESIGNATION AND SERIAL NO.

SF-078132

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

A. L. Elliott "A"

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREASE/4 NW/4 Sec. 11
T-29-N, R-9-W

12. COUNTY OR PARISH 13. STATE

San Juan

New Mexico

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

AMOCO PRODUCTION COMPANY

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1500' FNL & 2120' FWL, Section 11, T-29-N, R-9-W

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

5 miles northeast of Blanco, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drig. unit line, if any)

1500'

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED

TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1185'

19. PROPOSED DEPTH

7160'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5945' GL

22. APPROX. DATE WORK WILL START*

As soon as permitted

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/8"	9-5/8"	40#	300'	300 sx
8-5/8"	7"	20#	2850'	410 sx
6-1/4"	4-1/2"	11.6#	7160'	790 sx

The above well is being drilled to further develop the Basin Dakota Field. The well will be drilled with a low solids non-dispersed mud system. Completion design will be based on open hole logs. Copy of all logs will be filed upon completion.

The gas from this well is dedicated to El Paso Natural Gas Company.

Additional information required by NTL-6 for the application to drill and a Multi-Point Surface Use Plan are attached.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations, measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE District Engineer

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

ok Frank

*See Instructions On Reverse Side

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

Form C-102
Supersedes C-128
Effective 1-1-65

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

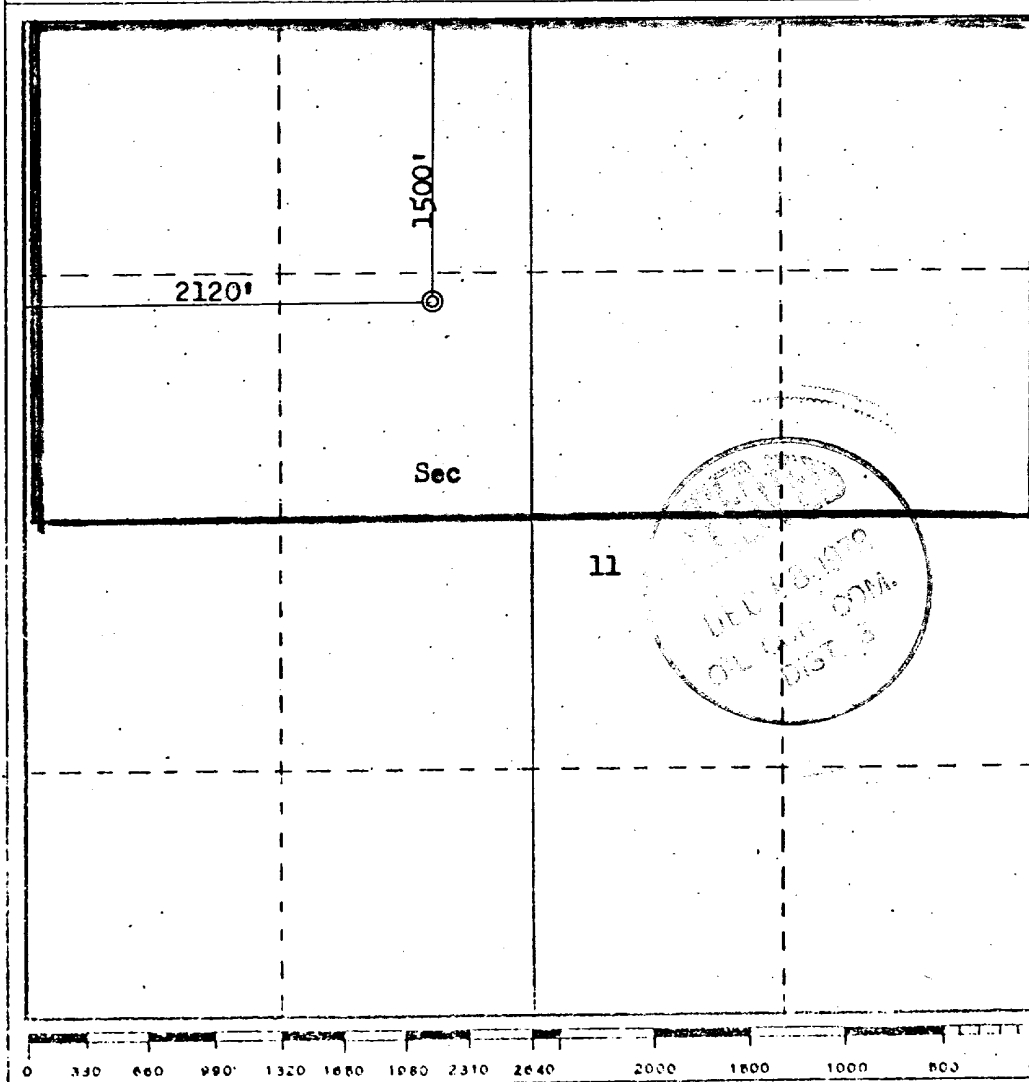
Operator AMOCO PRODUCTION COMPANY			Lease A. L. ELLIOTT "A"		Well No. 4
Unit Letter F	Section 11	Township 29N	Range 9W	County San Juan	
Actual Footage Location of Well:					
1500 feet from the North line and		2120 feet from the West line			
Ground Level Elev. 5945	Producing Formation Dakota	Pool Basin Dakota	Dedicated Acreage: 320 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.

J. L. Krupka

Name
J. L. KRUPKA

Position
DISTRICT ENGINEER

Company
AMOCO PRODUCTION COMPANY

Date
DECEMBER 12, 1978

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
December 12, 1978
Registered Professional Engineer
and/or Land Surveyor
Frederick B. Kerr, Jr.
3950
Certification No. **3950**

SUPPLEMENTAL INFORMATION TO FORM 9-331C
REQUIRED BY NTL-6

A. L. ELLIOTT "A" NO. 4
1500' FNL & 2120' FWL, Section 11, T-29-N, R-9-W
San Juan County, New Mexico

The geologic name of the surface formation is the Nacimiento.

The estimated tops of important geological formations bearing hydrocarbons are:

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>
Fruitland	2343'	3615'
Pictured Cliffs	2567'	+3390'
Mesaverde	4157'	+1801'
Basin Dakota	6878'	- 920'

TD: 7160'

Estimated KB Elevation is 5958'.

The casing program to be used will include all new casing:

<u>EST. DEPTH</u>	<u>CSG. SIZE</u>	<u>WEIGHT</u>	<u>HOLE SIZE</u>	<u>SACKS CEMENT - TYPE</u>
300'	9-5/8"	40 #	13-3/8"	300 sx Class "B" 2% CaCl ₂
2850'	7 "	20 #	8-5/8"	410 sx Class "B" 50:50 poz mix. 6% Gel
7160'	4-1/2"	11.60#	6-1/4"	790 sx Class "B" Neat, 50:50 poz mix, 6% Gel, 2# Med Tufplug/sx.

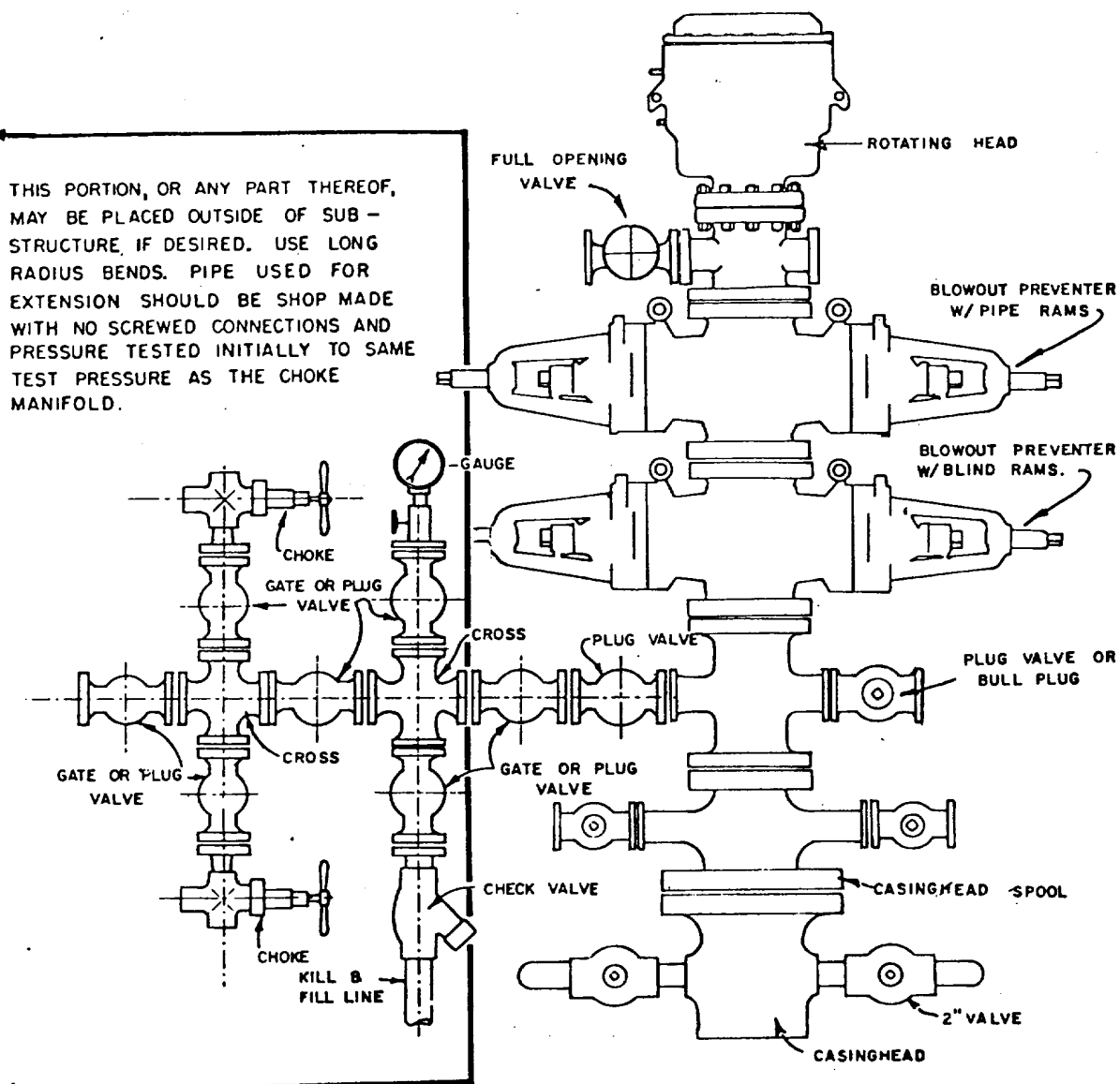
Amoco's standard blowout prevention will be employed; see attached drawing of our blowout preventer design.

Amoco will run an Induction Electric Survey from TD to 4500' and a Density-Gamma Ray Log from TD to 4500' and Gamma Ray from 2000' to surface. No cores or drill stem tests will be taken.

In the past, drilling in this area has shown that no abnormal pressures, temperatures, nor hydrogen sulfide gas will be encountered.

We will start operations 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.



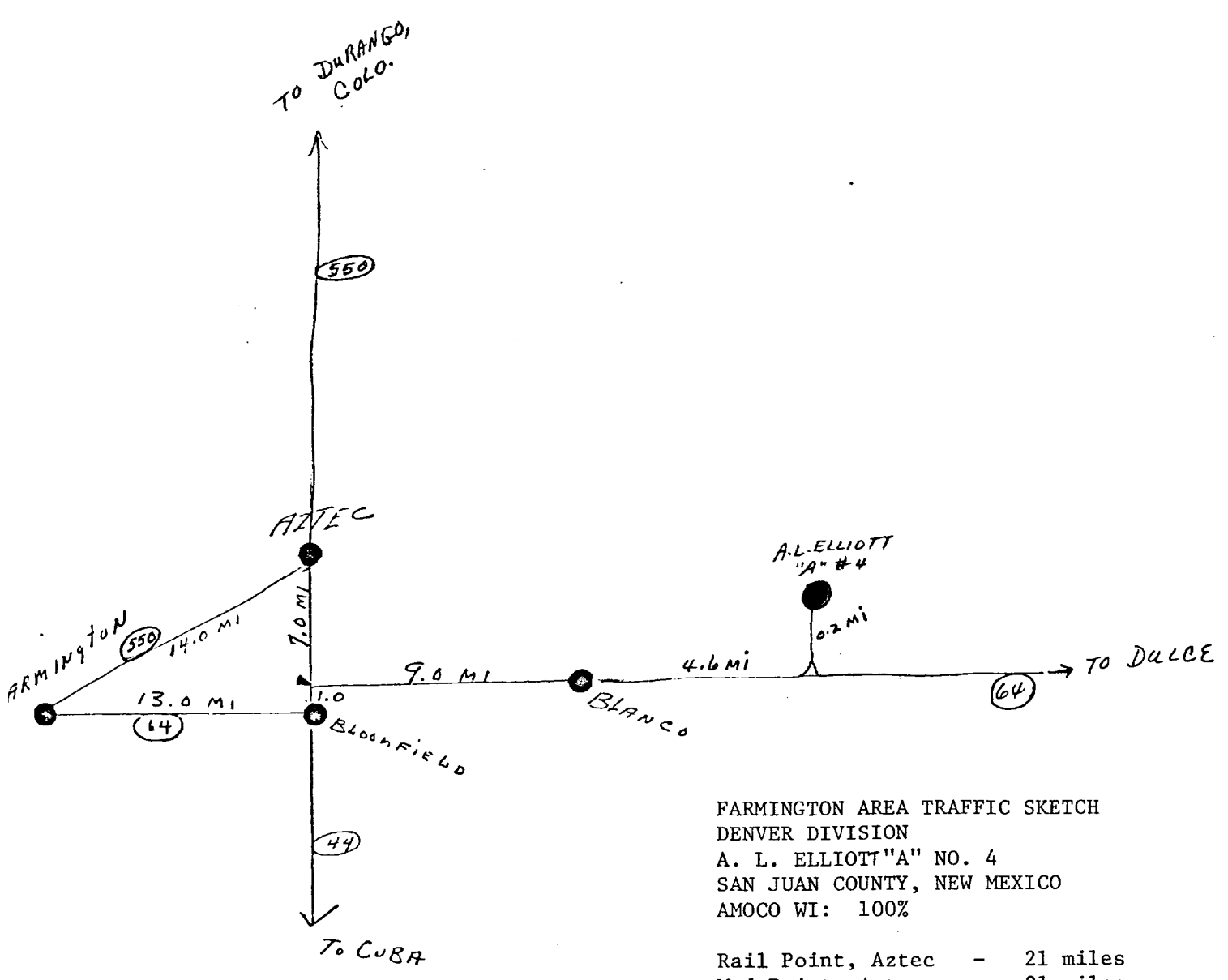
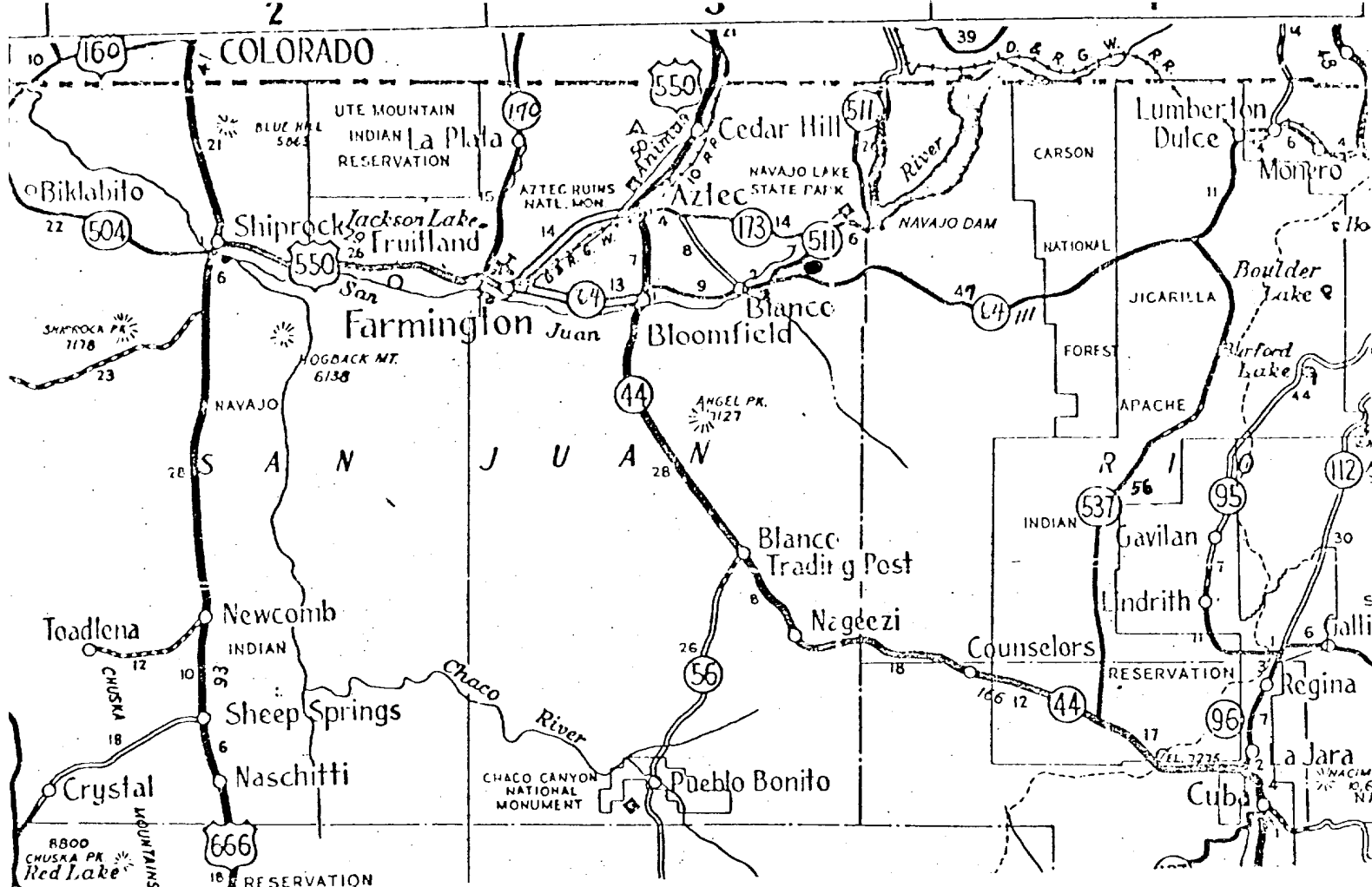
BLOWOUT PREVENTER HOOKUP

MULTI-POINT SURFACE USE PLAN

A. L. ELLIOTT "A" NO. 4
1500' FNL & 2120' FWL, SECTION 11, T29N, R9W
SAN JUAN COUNTY, NEW MEXICO

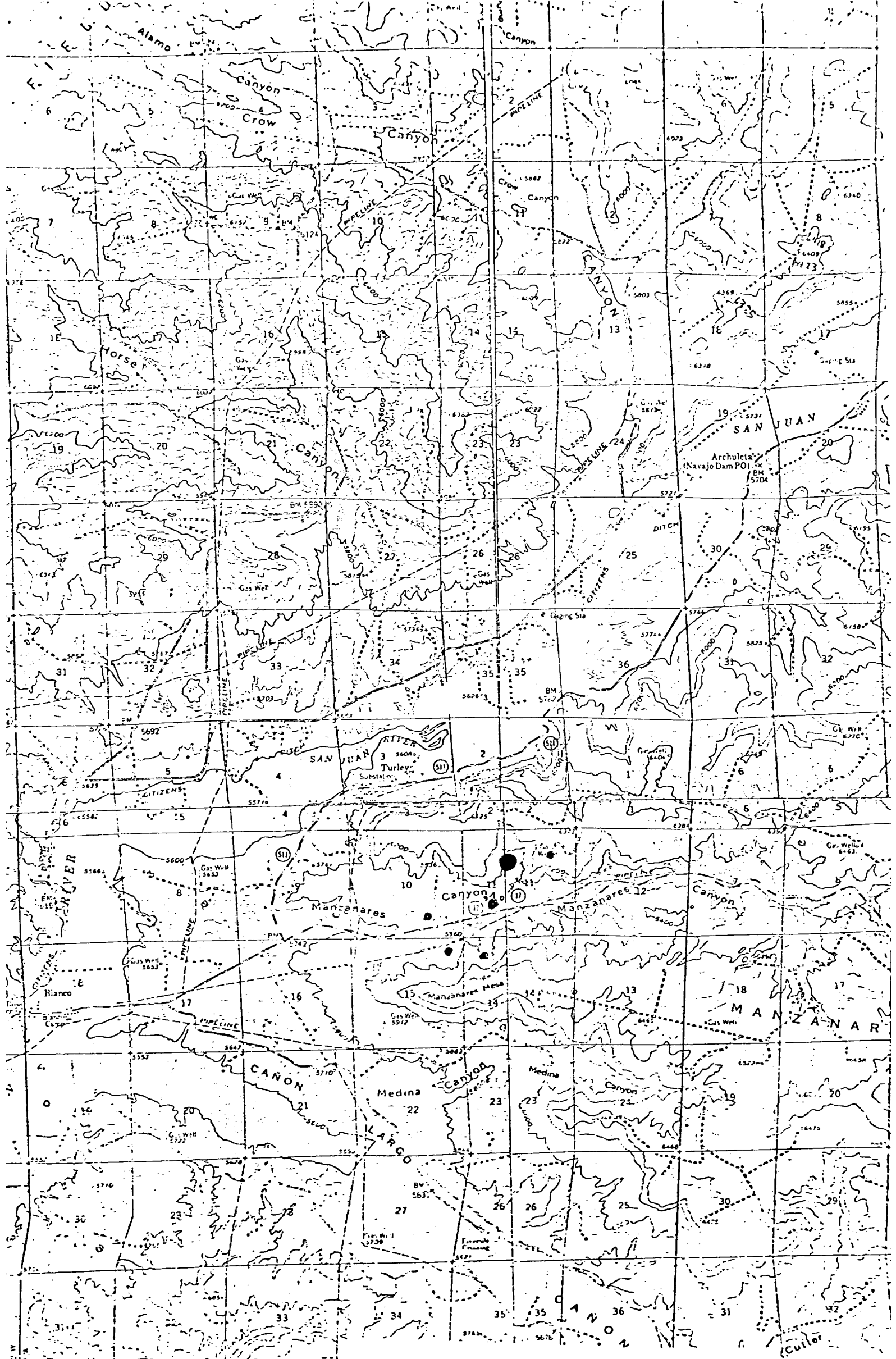
1. The attached road map and sketch show the proposed route to the location and distances from towns.
2. A new access road two-tenths of a mile in length will be built extending from an existing road serving Amoco's A. L. Elliott "D" No. 7 and "D" No. 2.
3. Existing oil and gas wells within a one-mile radius of our proposed well have been spotted on the vicinity map.
4. There is a 380-barrel storage tank on Amoco's A. L. Elliott "D" No. 2 well and various sized tanks on other nearby wells.
5. Water will be hauled from the San Juan River at Blanco over existing roads.
6. No construction materials will be hauled in for this location.
7. A 100' X 100' pit will be built on location to hold all drilling waste. Upon completion of well, all waste and liquid will be pumped out and fluids will be bladed into roads.
8. There are neither airstrips nor camps in the vicinity.
9. The well site layout, reserve, burn and trash pits are shown on the attached Drill Site Specification Sheet. A 2-foot cut will be made on north side.
10. Restoration of the surface will be accomplished by cleaning up and leveling upon completion of the well. Drainage ditches will be built to handle run-off. Reseeding of the site will be carried out as detailed in the attached Seeding Plan.
11. The general topography is a fairly level terrain with extremely sandy soil. Vegetation consists of sagebrush, native grasses and numerous cedar and pinon trees.

Representatives of the U. S. Geological Survey's Farmington office (Lee Freeman) and Bureau of Land Management (Russ Pigros) inspected the site with Amoco personnel. Cultural resources inspection was conducted by Dabney Ford, Archaeologist from San Juan College.
12. A Certification Statement by Amoco's representative is included.

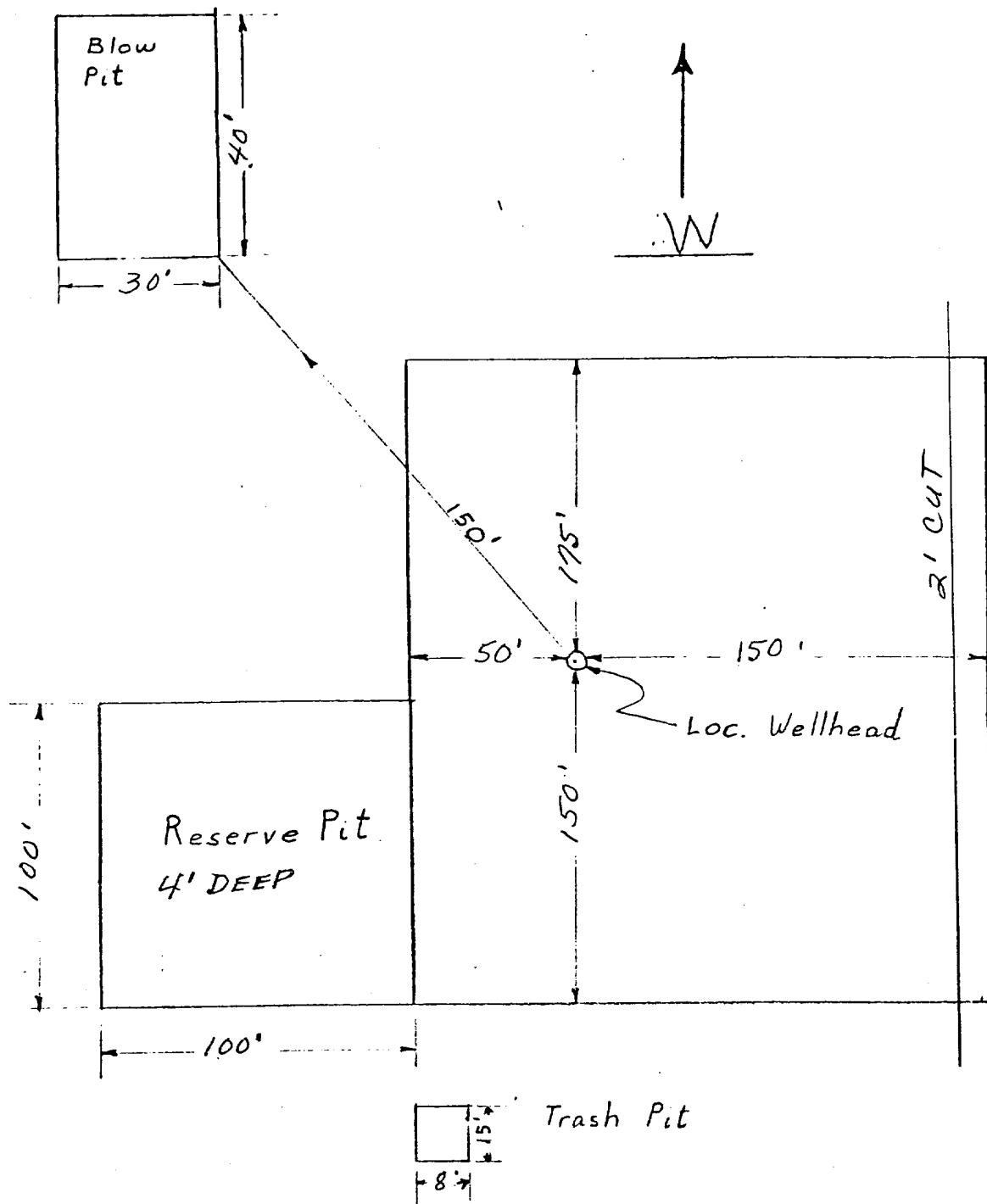


FARMINGTON AREA TRAFFIC SKETCH
 DENVER DIVISION
 A. L. ELLIOTT "A" NO. 4
 SAN JUAN COUNTY, NEW MEXICO
 AMOCO WI: 100%

- Rail Point, Aztec - 21 miles
- Mud Point, Aztec - 21 miles
- Cement Point, Farmington - 28 miles



Vicinity Map for
AMOCO PRODUCTION CO. #4 A.L. Elliott "A"
1500' FNL, 2120' FWL, Sec 11-T29N-R9W
SAN JUAN COUNTY, NEW MEXICO



APPROXIMATELY 1.2 Acres

Amoco Production Company

SCALE: NONE

DRILLING LOCATION SPECS
A.L. ELLIOTT "A" NO. 4

DRG.
NO.

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) - $3\frac{1}{4}$ lbs.

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

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

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

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

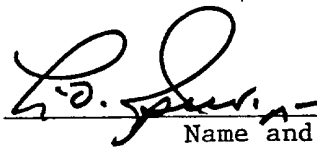
A. L. ELLIOTT "A" NO. 4
1500' FNL & 2120' FWL, SECTION 11, T29N, R9W
SAN JUAN COUNTY, NEW MEXICO

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.

December 12, 1978

Date



District Supt.

Name and Title

Amoco Production Company's Representative:

L. O. Speer, Jr.

Phone: Office: 505-325-8841; Home: 505-325-3247

Address: 501 Airport Drive
Farmington, NM 87401