

SUPPLEMENTAL INFORMATION TO FORM 9-331C  
 REQUIRED BY NTL-6  
 ROSA UNIT NO. 64  
 1740' FNL x 790' FEL, SECTION 29, T-31-N, R-5-W  
 RIO ARriba COUNTY, NEW MEXICO

The geologic name of the surface formation is the Tertiary San Jose.

The estimated tops of important geological formations bearing hydrocarbons are:

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>
Pictured Cliffs	3220'	+3191'
Mesaverde	5420'	+ 991'
Graneros Dakota	7910'	-1499'
Main Dakota	7960'	-1549'
Total Depth	8185'	

Estimated KB Elevation: 6411'

<u>EST. DEPTH</u>	<u>CSG. SIZE</u>	<u>WEIGHT</u>	<u>HOLE SIZE</u>	<u>SACKS CEMENT</u>	<u>-</u>	<u>TYPE</u>
300'	9-5/8"	36#	12-1/4"	250	-	Class "B", 2% CaCl <sub>2</sub> .
3720'	7"	20#	8-3/4"	800	-	Class "B", 6% Gel, & 2# Med Tuf Plug/sx.
				745	-	Class "B", 6% Gel, & 2# Med Tuf Plug/sx.
8185'	4-1/2"	11.6#	6-1/4"	100	-	Class "B" Neat.

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

Drilling fluid to TD will be a low solids non-dispersed mud system.

Amoco plans to run the following logs: Induction-Electric and Density-Gamma Ray from 3720' to 300'; Induction and Density from TD to 3720'. No Cores or Drill Stem Tests will be taken.

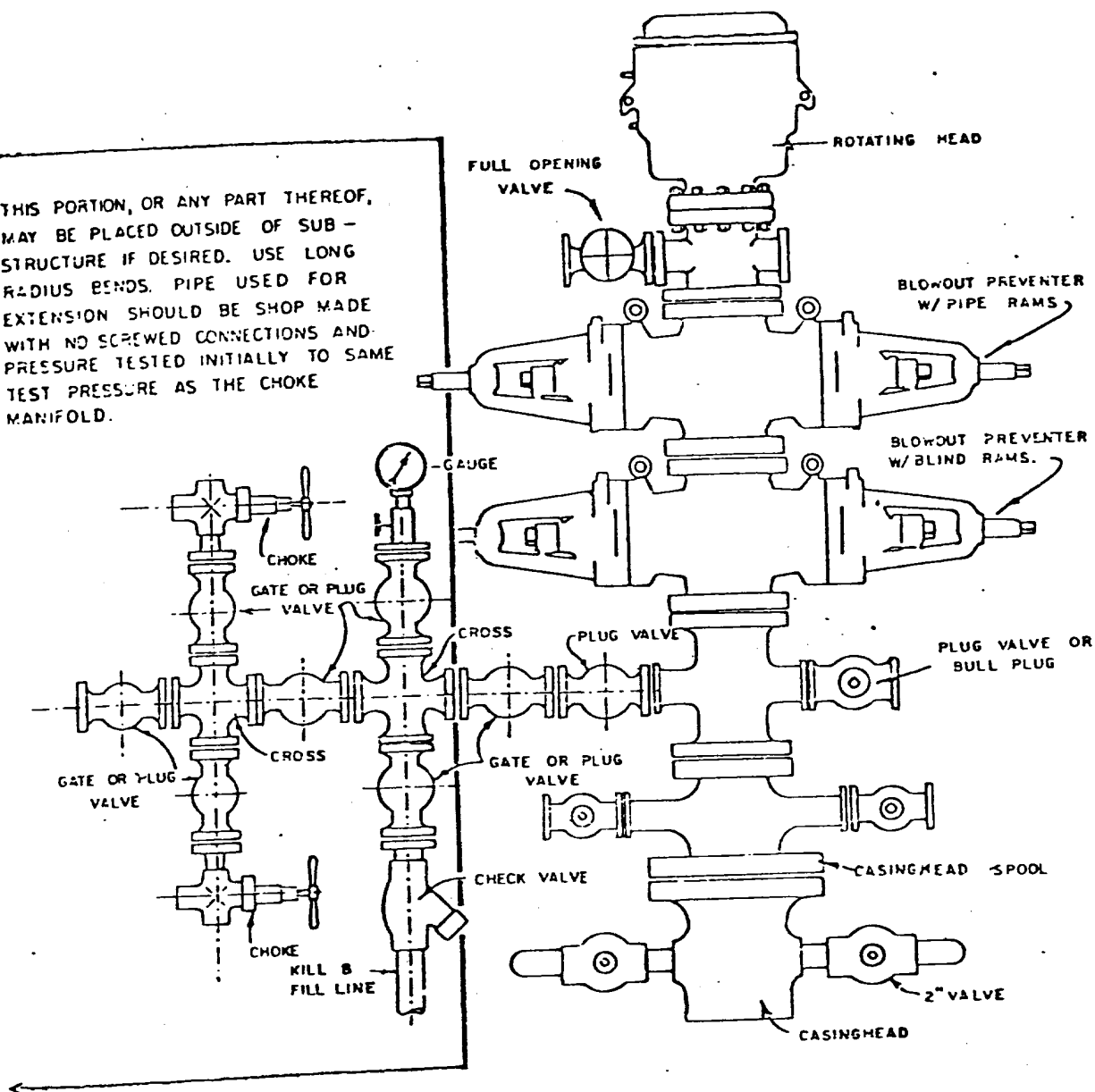
In the past, drilling in this area has shown that no abnormal pressures, temperatures, nor hydrogen sulfide gas will be encountered.

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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

EXHIBIT D  
OCTOBER 1

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MULTI-POINT SURFACE USE PLAN

ROSA UNIT NO. 64  
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RIO ARriba COUNTY, NEW MEXICO

1. The attached road map and sketch show the proposed route to the location and distances from towns.
2. An access road to location three-tenths of a mile in length will be constructed.
3. Existing oil and gas wells within a one-mile radius of our proposed well have been spotted on the vicinity map.
4. There are no storage tanks or facilities located within a one-mile radius of the proposed location.
5. Water will be hauled by truck from the Cabresto water hole over existing roads.
6. No construction materials will be hauled in for this location. Material from high points on location will be used to level location for proper drilling.
7. A 150' x 150' pit will be built on location to hold all drilling waste. Upon completion of well, all waste and liquid will be hauled by truck and bladed into existing roads. All other waste will be covered in 150' x 150' pit.
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.
10. Restoration of the surface will be accomplished by cleaning up and leveling upon completion of the well. Drilling mud will be hauled away and the reserve pit back filled. Reseeding of the site will be carried out as detailed in the attached seeding plan.

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11. The general topography and soil characteristics are fairly level terrain with vegetation consisting of sagebrush.

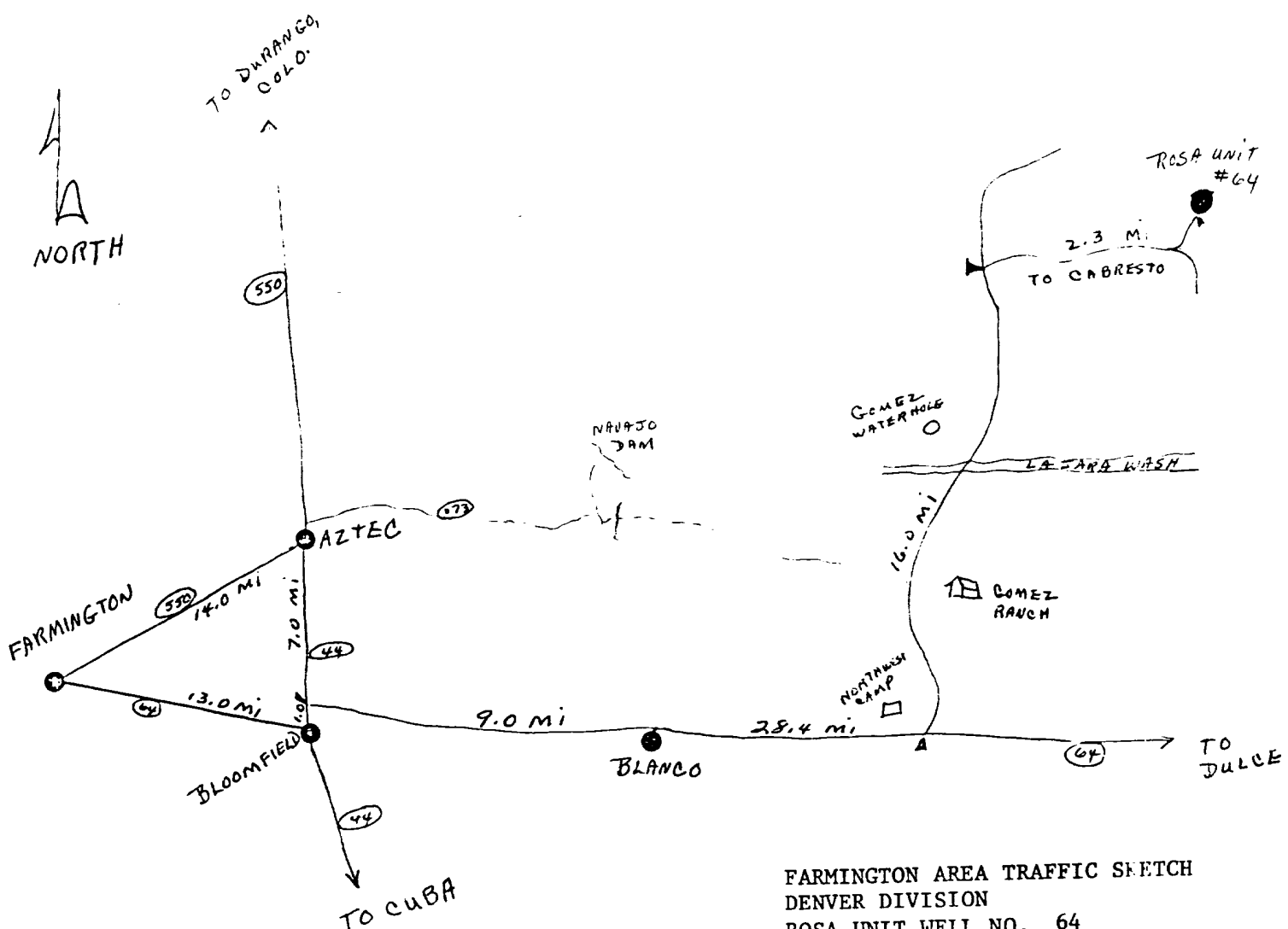
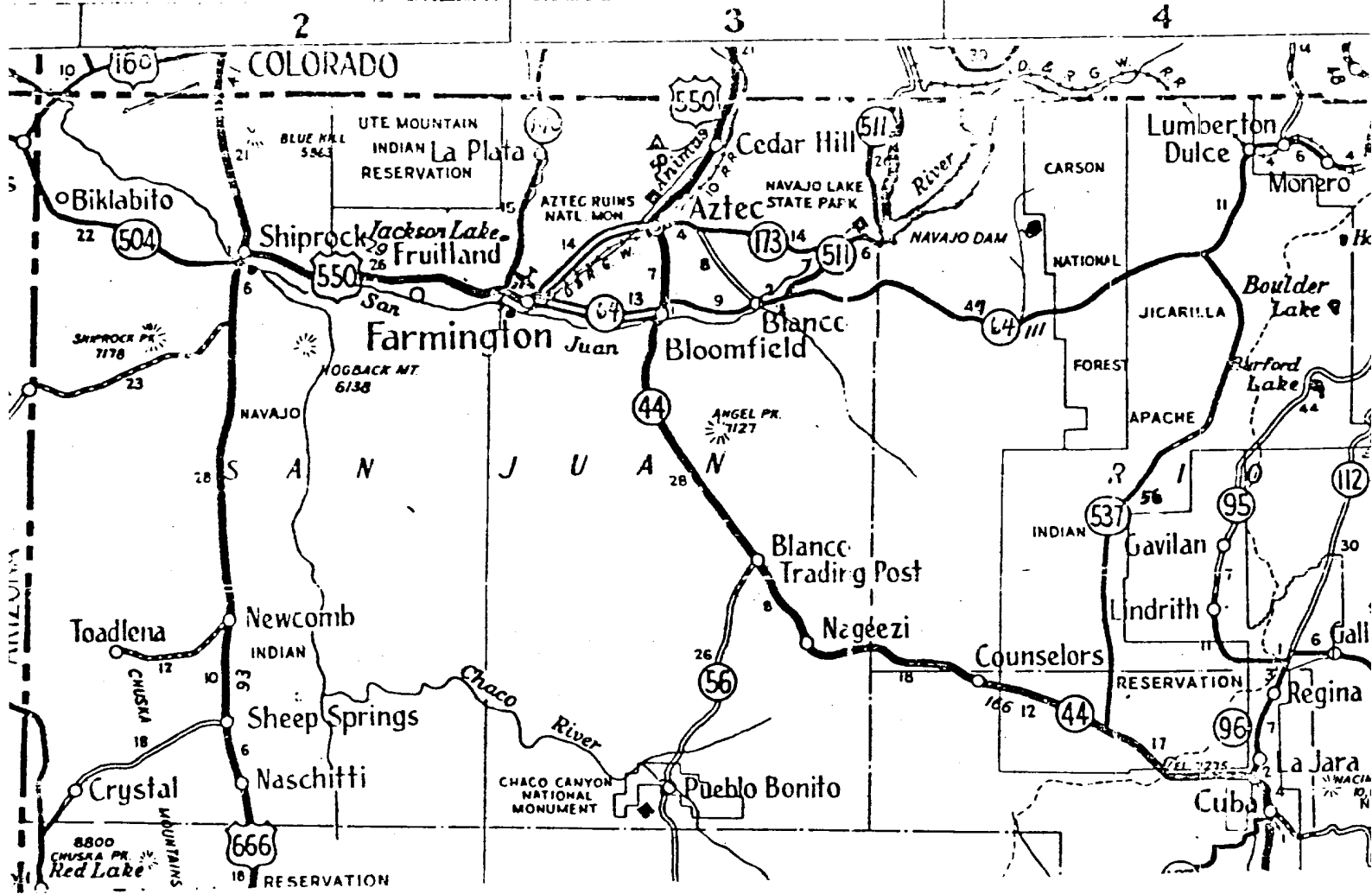
Representatives of the U. S. Geological Survey's Durango Office and Bureau of Land Management's Farmington Office will inspect the site. Cultural resources inspection will be conducted by an Archeologist from San Juan College or Salmon Ruins.

12. A Certification Statement by Amoco's Representative is included.

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FARMINGTON AREA TRAFFIC SKETCH  
 DENVER DIVISION  
 ROSA UNIT WELL NO. 64  
 RIO ARRIBA COUNTY, NEW MEXICO  
 AMOCO WI; 50%

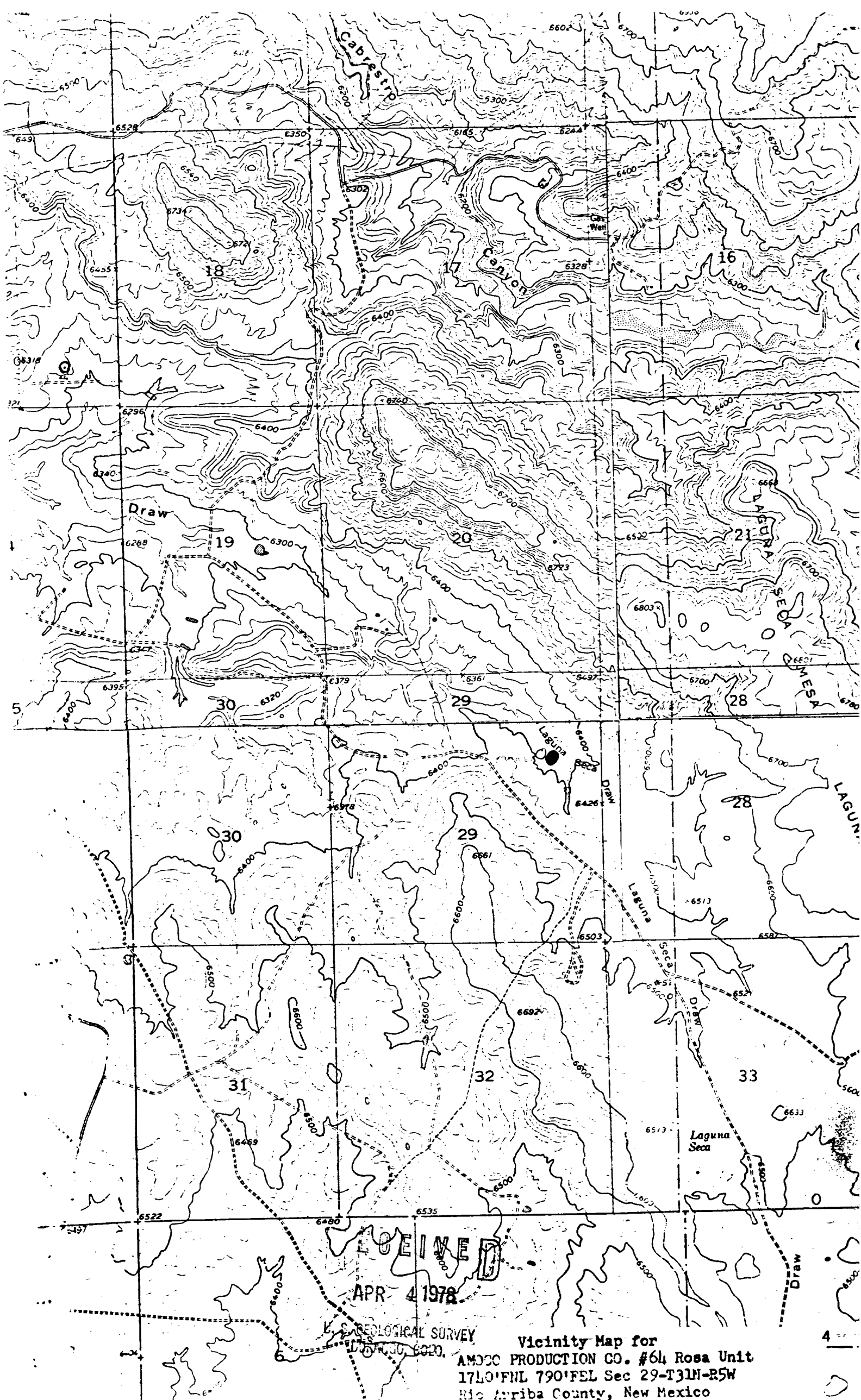
- Rail Point, Aztec - 62.7 miles
- Mud Point, Aztec - 62.7 miles
- Cement Point, Farmington - 69.7 miles

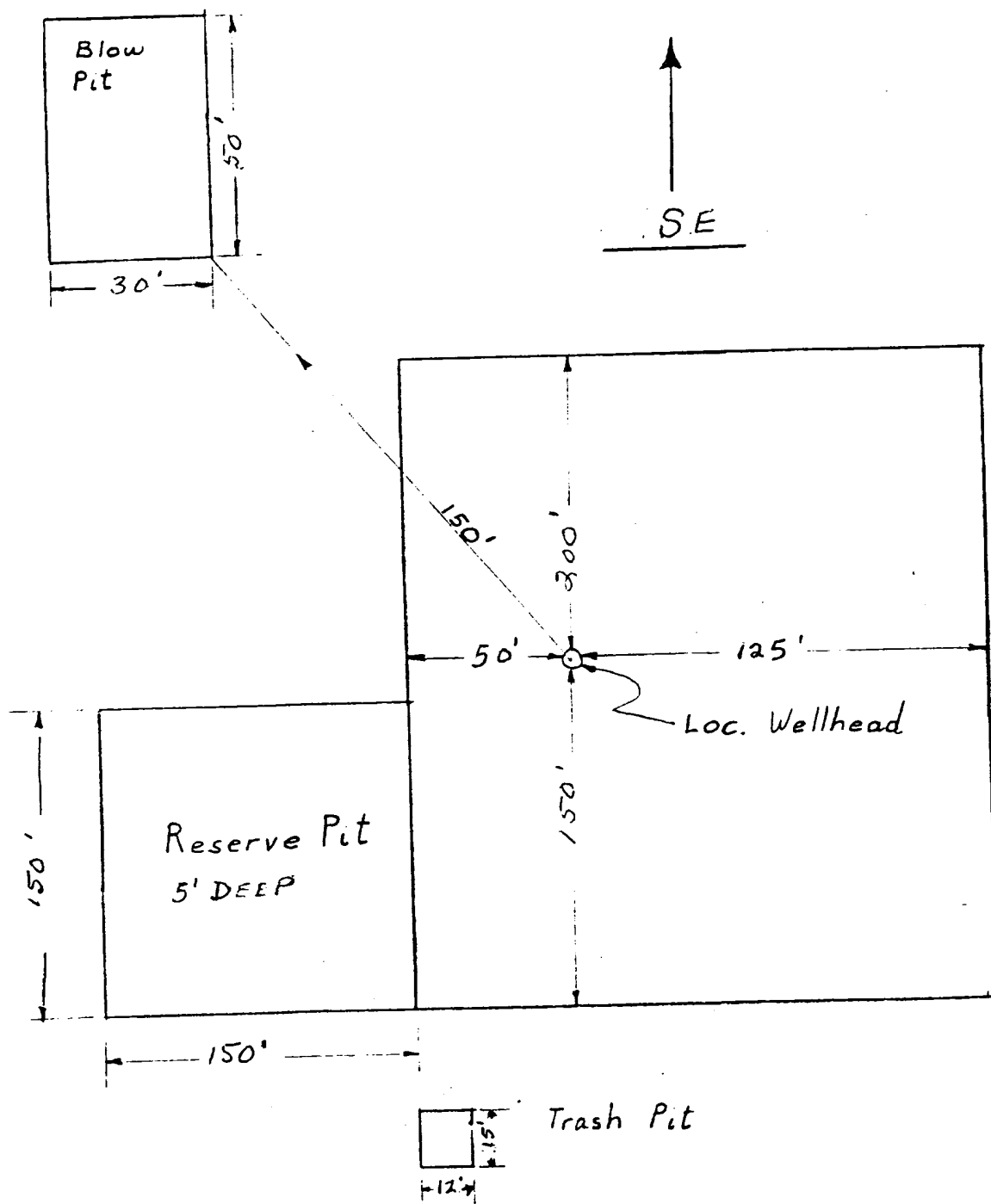
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3-14-78





APPROXIMATELY 1.2 Acres

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Amoco Production Company	SCALE: NONE
DRILLING LOCATION SPECS ROSA UNIT NO. 64	DRG. NO.

BLM SEEDING REQUIREMENTS  
IN THE FARMINGTON RESOURCE AREA

1. SEED MIXTURE 1

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 ( <u>Agropyron desertorum</u> )	2½ lbs.
SMOOTH BROME ( <u>Bromus inermis</u> )	2½ lbs.
FOURWING SALTBUSH (dewinged) ( <u>Atriplex conescens</u> )	½ lb.
NOMAD ALFALFA ( <u>Medicago sitiva</u> )	1 lb.

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RIO ARriba 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.

March 31, 1978  
Date

L. O. Speer, Jr. Area 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

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