

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Wildcat

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

AMOCO PRODUCTION COMPANY

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, New Mexico

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

At surface

P 1070' FSL & 820' FEL, Section 23, T-32N, R-15W

At proposed prod. zone

Same

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

12-1/2 Miles west of La Plata, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

820'

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

0'

16. NO. OF ACRES IN LEASE

1280.00

19. PROPOSED DEPTH

3650'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

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

6683' GL

22. APPROX. DATE WORK WILL START*

As soon as permitted

23.

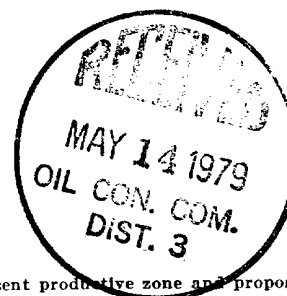
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	300'	225 SX
7-7/8"	4-1/2"	10.5#	3650'	1100 SX

This wildcat will be drilled to a depth of 3650' to test the Dakota and other zones. Completion plans will be made after logs are run.

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

This acreage is committed to El Paso Natural Gas Company.



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 and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

B. E. Jacobell

TITLE

District Engineer

DATE

May 8, 1979

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

OK

State.

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

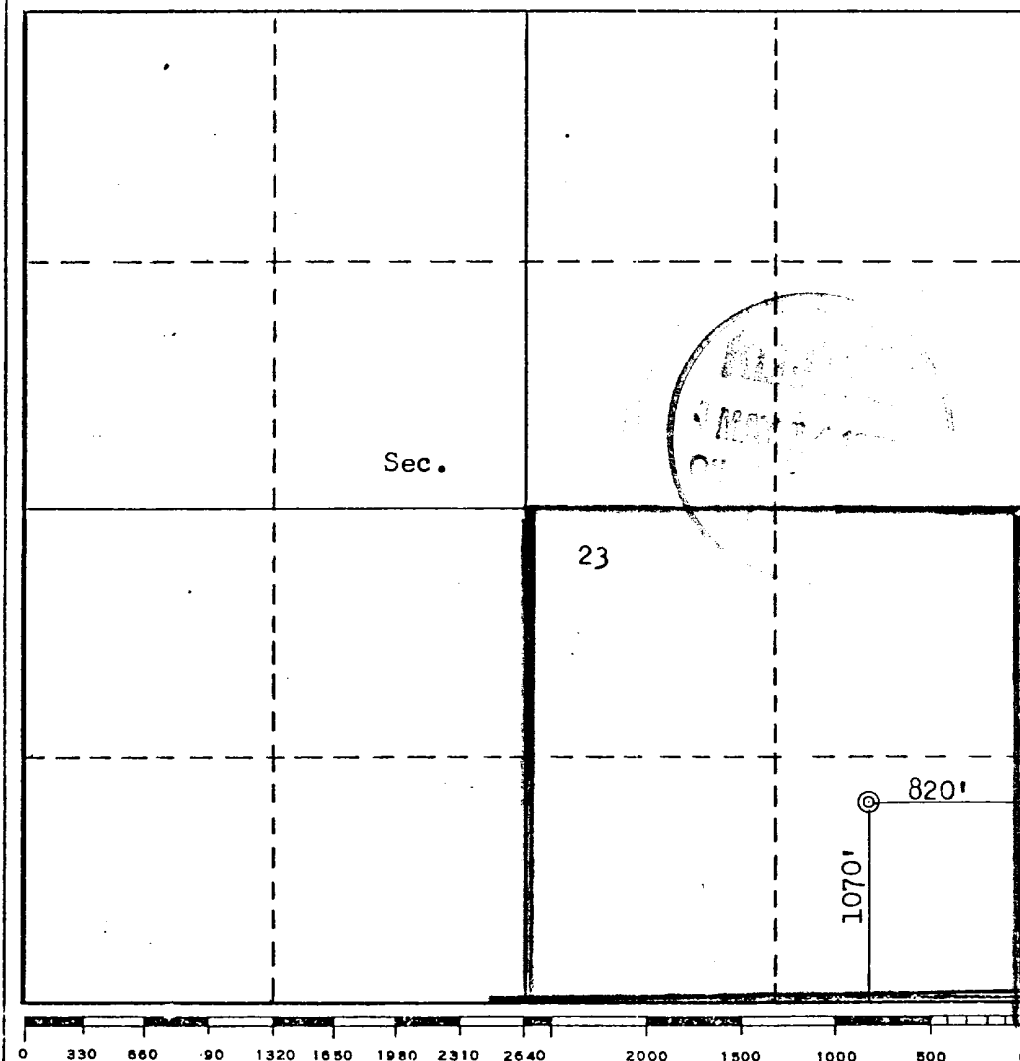
Operator AMOCO PRODUCTION COMPANY			Lease MOUNTAIN UTE TRIBAL "C"		Well No. 1
Unit Letter P	Section 23	Township 32N	Range 15W	County San Juan	
Actual Footage Location of Well: 1070 feet from the South line and 820 feet from the East line					
Ground Level Elev. 6683	Producing Formation Dakota		Pool Wildcat		Dedicated Acreage: 160 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.

B. E. Fackrell

Name

B. E. FACKRELL

Position

DISTRICT ENGINEER

Company

AMOCO PRODUCTION COMPANY

Date

APRIL 30, 1979

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

APRIL 22, 1979
Registered Professional Engineer
and/or Land Surveyor

Frederick J. Kerr
Certificate No. **KERR**

3950

SUPPLEMENTAL INFORMATION TO FORM 9-331C
REQUIRED BY NTL-6
MOUNTAIN UTE TRIBAL "C" NO. 1
1070' FSL & 820' FEL, Section 23, T32N, R15W
SAN JUAN COUNTY, NEW MEXICO

The geologic name of the surface formation is the Cretaceous Menfee.

The estimated tops of important geological formations bearing hydrocarbons are:

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>
Gallup	2466'	+4230'
Verde Gallup	2631'	+4065'
Greenhorn	3046'	+3650'
Graneros Dakota	3226'	+3470'
Main Dakota	3341'	+3355'
Morrison	3456'	+3240'
TD	3650'	

Estimated KB elevation is 6696'

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>SACK CEMENT</u>	<u>- TYPE</u>
300'	8-5/8"	24#	12-1/4"	225 Class "B" 2% CaCl ₂ .	
3650'	4-1/2"	10.5#	7-7/8"	1000 Class "B" 50:50 Poz mix	
				6% Gel, 2# Med. Tuf Plug/sx	
				100 Class "B" Neat	

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

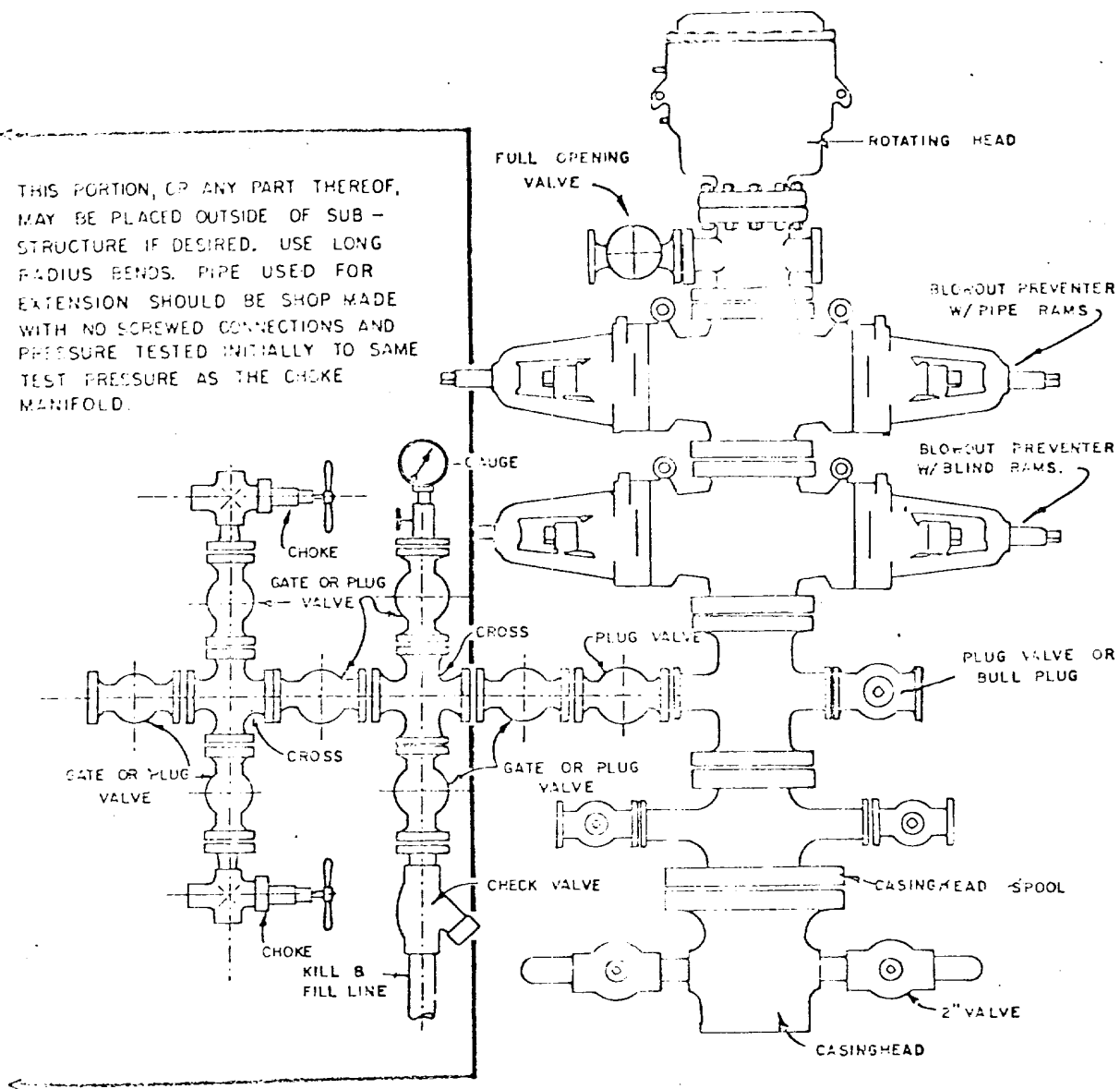
Drilling fluid to TD will be a low solids non-dispersed mud system.

Amoco will run an Induction Gamma-Ray Survey from TD to 300' and a Density-Porosity Gamma-Ray log from TD to 300'. A Gamma-Ray log will be run from 2000' to surface. Drill stem test will be taken over the Graneros and Main Dakota intervals. A portable mud logging unit will be employed from 2000' to TD.

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

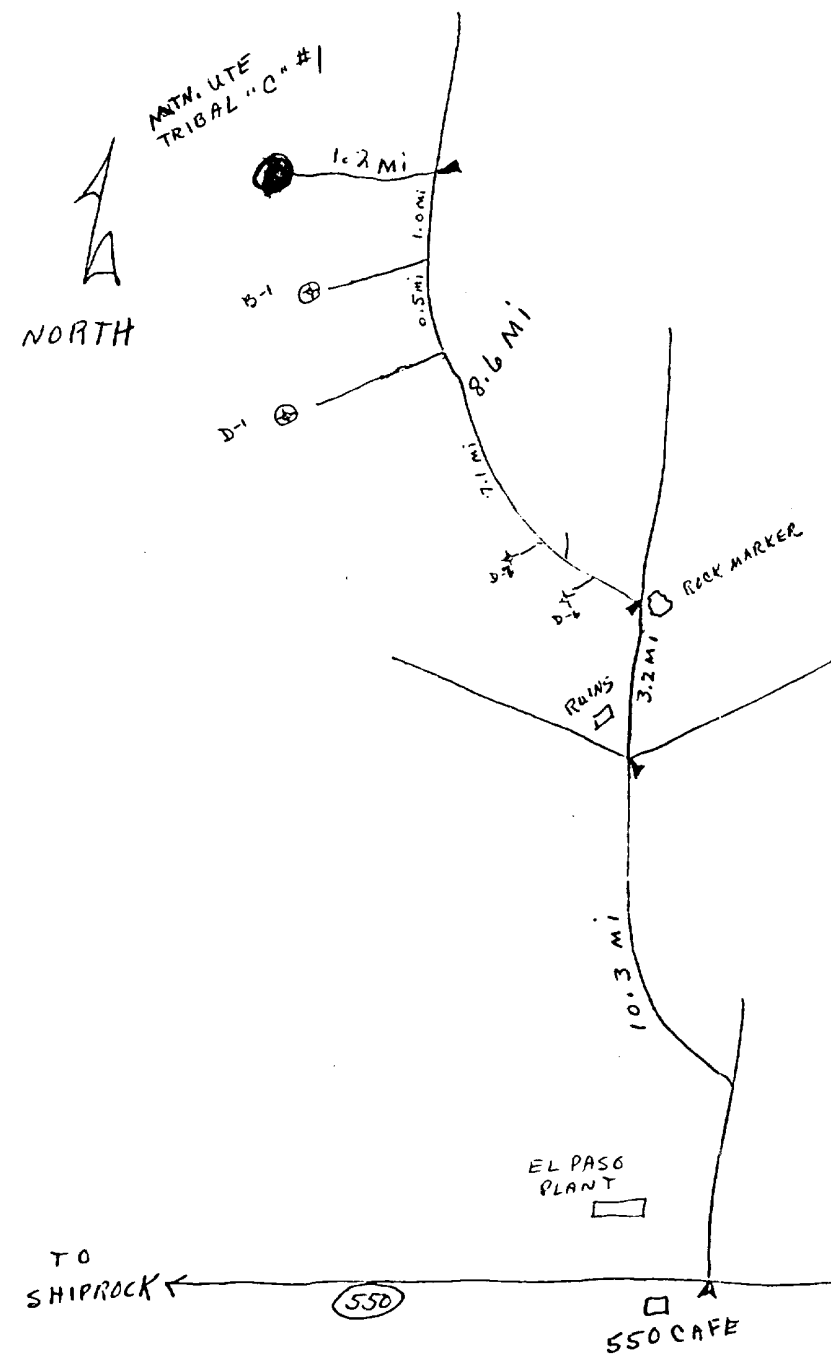
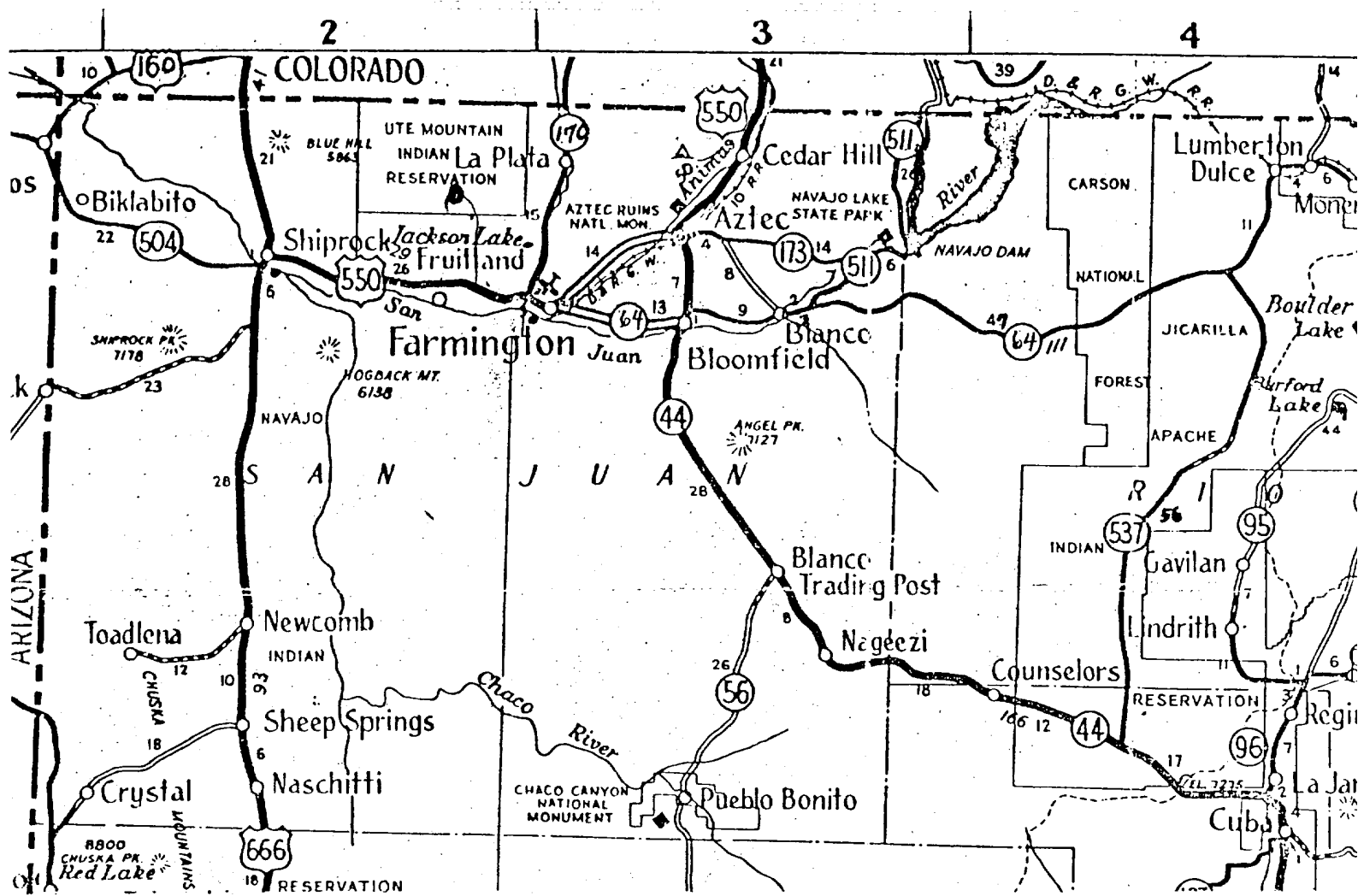
MULTI-POINT SURFACE USE PLAN

MOUNTAIN UTE TRIBAL "C" NO. 1
1070' FSL & 820' FEL, SECTION 23, T-32-N, R-15-W
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 20-foot wide road, 1.2 miles in length, will be built and bar ditched on high side.
3. Existing oil and gas wells within a two-mile radius of our proposed well have been spotted on the vicinity map.
4. There are no tank battery facilities located at wells within a one-mile radius of the proposed location.
5. Water will be hauled over existing roads from the San Juan River.
6. No construction materials will be hauled in to build location.
7. A pit 75' X 75' 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 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. A 2-foot cut will be made on north side of location.
10. Restoration of the surface will be accomplished by cleaning up and leveling upon completion of well. Drainage ditches will be built to handle run-off. Reseeding of the site will be in accordance with instructions from the Bureau of Indian Affairs.
11. The general topography and soil characteristics are a fairly level terrain with sandy soil. The area has been chained and only a few small pinon trees are left.

Representatives of the U. S. Geological Survey's Durango Office and Ute Mountain Ute Bureau of Indian Affairs agency inspected the site with Amoco personnel. Cultural resources inspection was conducted by Pam Smith, Archaeologist, from San Juan College.

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



FARMINGTON DISTRICT TRAFFIC SKETCH
 DENVER REGION
 MOUNTAIN UTE TRIBAL "C" NO. 1
 SAN JUAN COUNTY, NEW MEXICO
 AMOCO WI: 100%

Rail Point, Farmington - 32 miles
 Mud Point, Farmington - 32 miles
 Cement Point, Farmington - 32 miles

4-30-79

131

132

14 MI TO CORO 140

108° 22' 30"

134000m E.

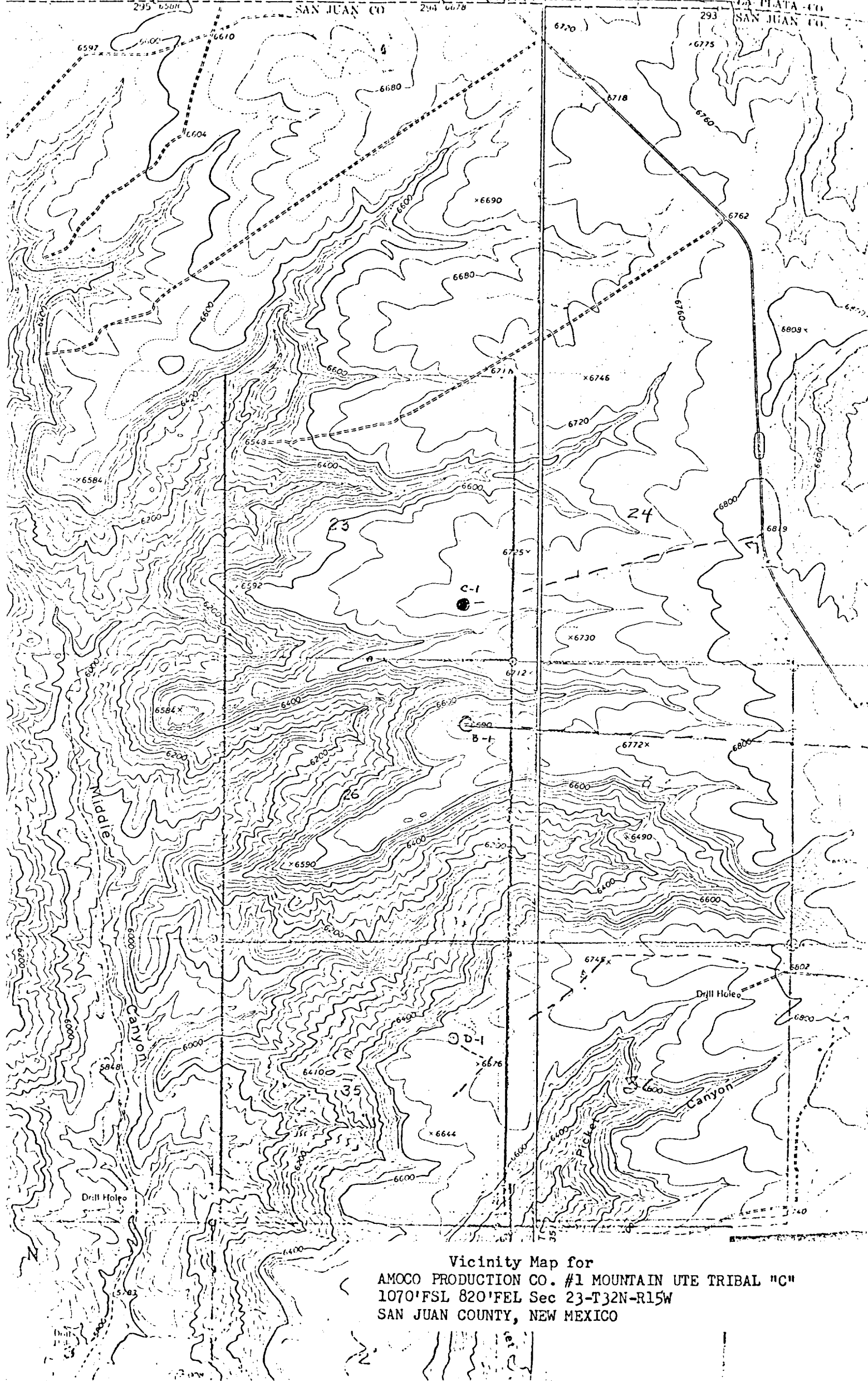
MONTEZUMA CO

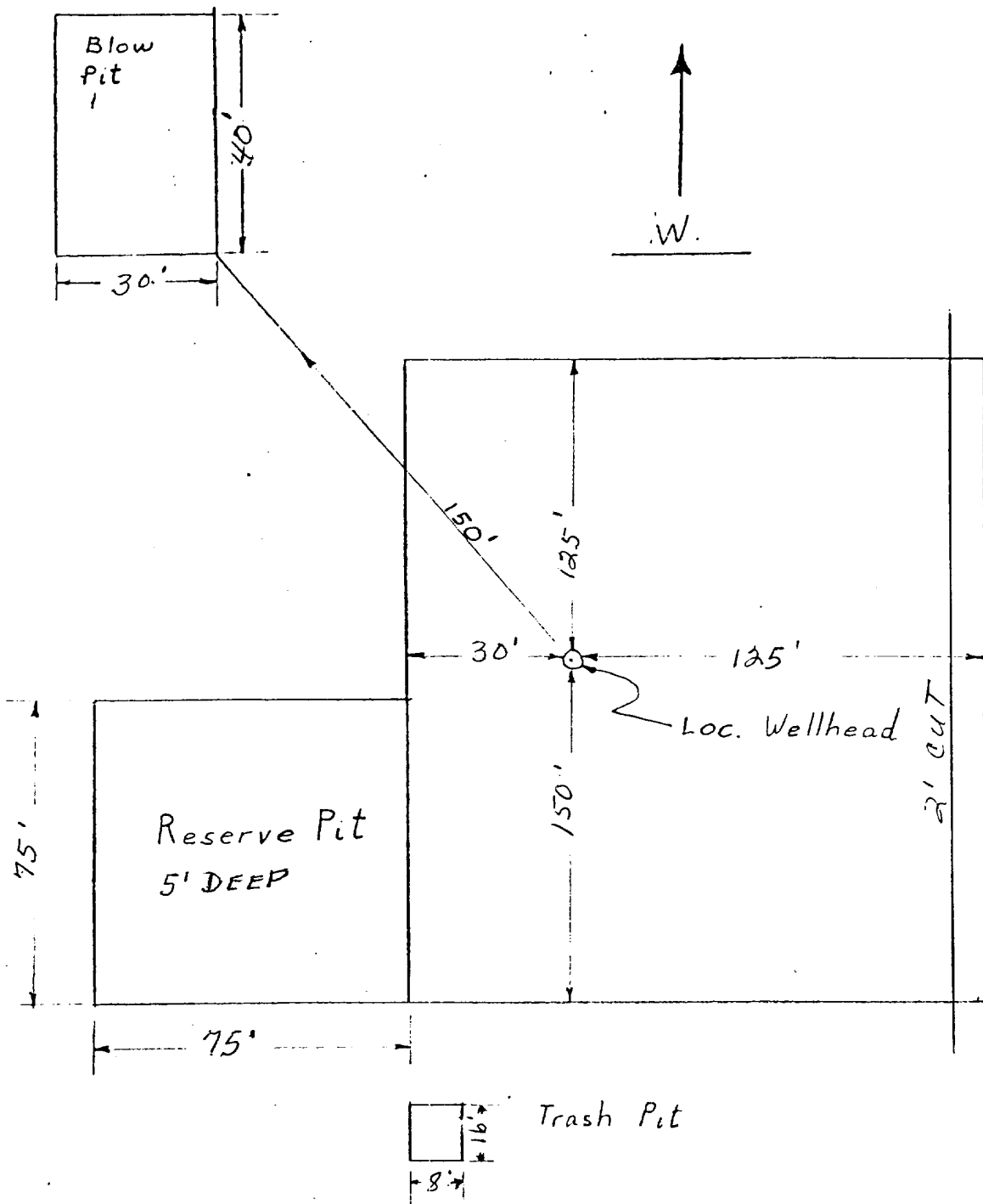
294 6678

LA PLATA CO

SAN JUAN CO

SAN JUAN CO





APPROXIMATELY 1.2 Acres

Amoco Production Company		SCALE: NONE
DRILLING LOCATION SPECS		
MOUNTAIN UTE TRIBAL "C" NO. 1		ORG. NO.

MOUNTAIN UTE TRIBAL "C" NO. 1
1070' FSL & 820' FEL, SECTION 23, T-32-N, R-15-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.

May 8, 1979

Date



District Supt.

Name and Title

Amoco Production Company's Representative:

R. W. Schroeder

Phone: Office: 505-325-8841; Home: 505-325-6164.

Address: 501 Airport Drive
Farmington, NM 87401