

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. I-22-IND-619		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME UTE MOUNTAIN TRIBE		
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		7. UNIT AGREEMENT NAME Develop contract #14-20-604-62		
3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, NM 87401		8. FARM OR LEASE NAME UTE INDIANS "A"		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1840' FNL & 1000' FWL, Section 36, T-32-N, R-14-W At proposed prod. zone same		9. WELL NO. 15		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 4 miles Northwest of La Plata, New Mexico		10. FIELD AND POOL, OR WILDCAT UTE DOME DAKOTA		
10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1000'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW/4 NW/4 Section 36, T-32-N, R-14-W.		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1660'		12. COUNTY OR PARISH San Juan		
16. NO. OF ACRES IN LEASE 4200		13. STATE New Mexico		
19. PROPOSED DEPTH 2758'		17. NO. OF ACRES ASSIGNED TO THIS WELL 160		
20. ROTARY OR CABLE TOOLS Rotary		21. 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#	2758'	825 sx

The above well is being drilled to develop the Dakota formation. Completion interval and stimulation program to be determined from study of open hole logs.

The acreage is dedicated to Southern Union Gathering 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 and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED B. E. Jackel TITLE District Engineer DATE April 24, 1979

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

ok Frank

RECEIVED

APR 25 1979

U. S. GEOLOGICAL SURVEY  
DURANGO, COLO.

**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.

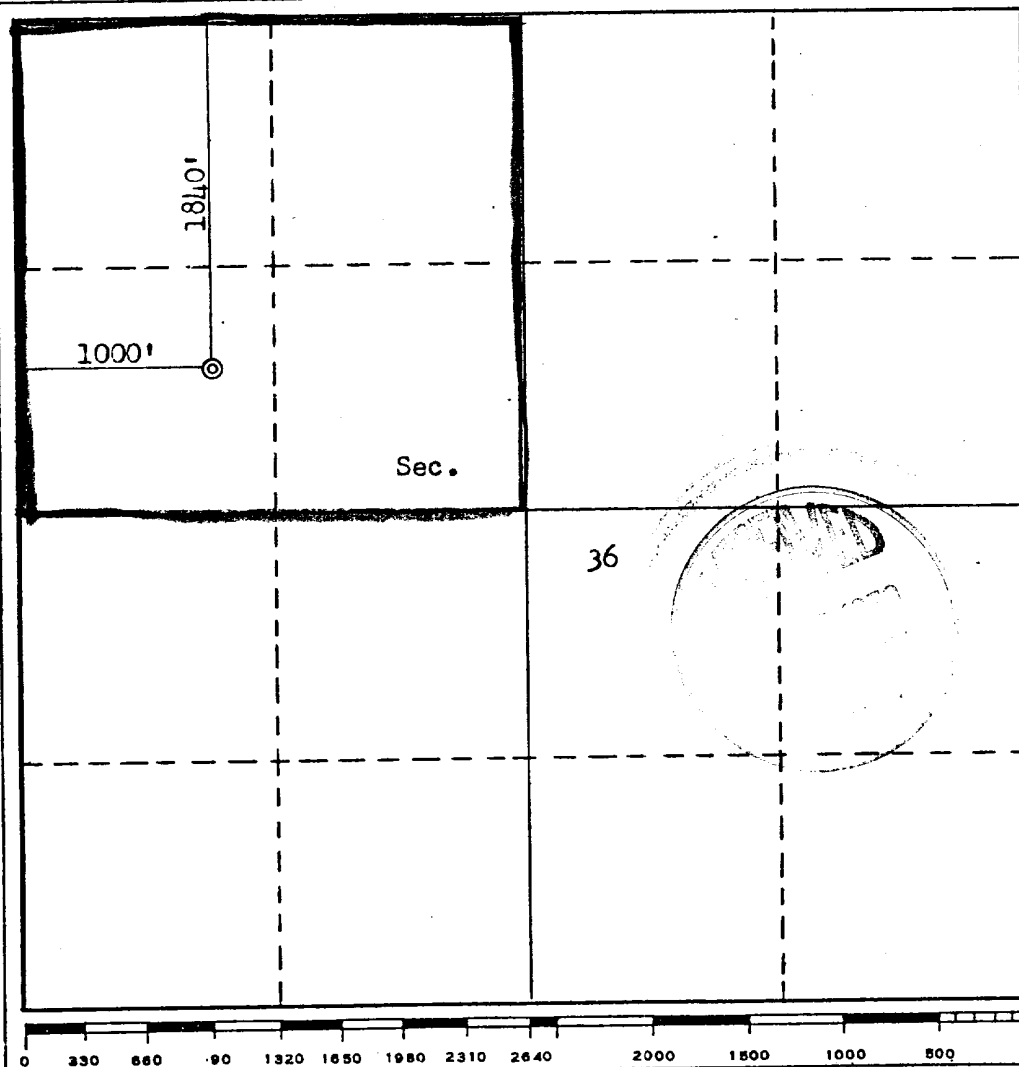
Operator <b>AMOCO PRODUCTION COMPANY</b>			Lease <b>UTE INDIAN "A"</b>		Well No. <b>15</b>
Unit Letter <b>E</b>	Section <b>36</b>	Township <b>32N</b>	Range <b>14W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1840</b> feet from the <b>North</b> line and <b>1000</b> feet from the <b>West</b> line					
Ground Level Elev. <b>6219</b>	Producing Formation <b>Dakota</b>		Pool <b>Ute Dome Dakota</b>		Dedicated Acreage: <b>160</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.*

*B. E. Fackrell*

Name

**B. E. FACKRELL**

Position

**DISTRICT ENGINEER**

Company

**AMOCO PRODUCTION COMPANY**

Date

**APRIL 16, 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

**March 27, 1979**

Registered Professional Engineer and/or Land Surveyor

*Fred B. Kerr, Jr.*

Certificate No. **KERR, JR.**

**3950**

SUPPLEMENTAL INFORMATION TO FORM 9-331C  
REQUIRED BY NTL-6  
UTE INDIANS "A" NO. 15  
1840' FNL & 1000' FWL, SECTION 36, T32N, R14W  
SAN JUAN COUNTY, NEW MEXICO

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

The estimated tops of important geological formations bearing hydrocarbons are:

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>
Gallup	1603'	+4628'
Greenhorn	2327'	+3904'
Graneros Shale	2385'	+3846'
Graneros Dakota	2437'	+3794'
Main Dakota	2575'	+3656'
Morrison	2678'	+3553'

TD 2758'

Estimated KB elevation is 6231'.

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</u> - <u>TYPE</u>
300'	8-5/8"	24#	12-1/4"	225 Class "B" 2% CaCl <sub>2</sub> .
2758'	4-1/2"	10.5#	7-7/8"	825 Class "B" 50:50 Poz- mix 6% Gel, 2# Med. Tuf Plug/sx.

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

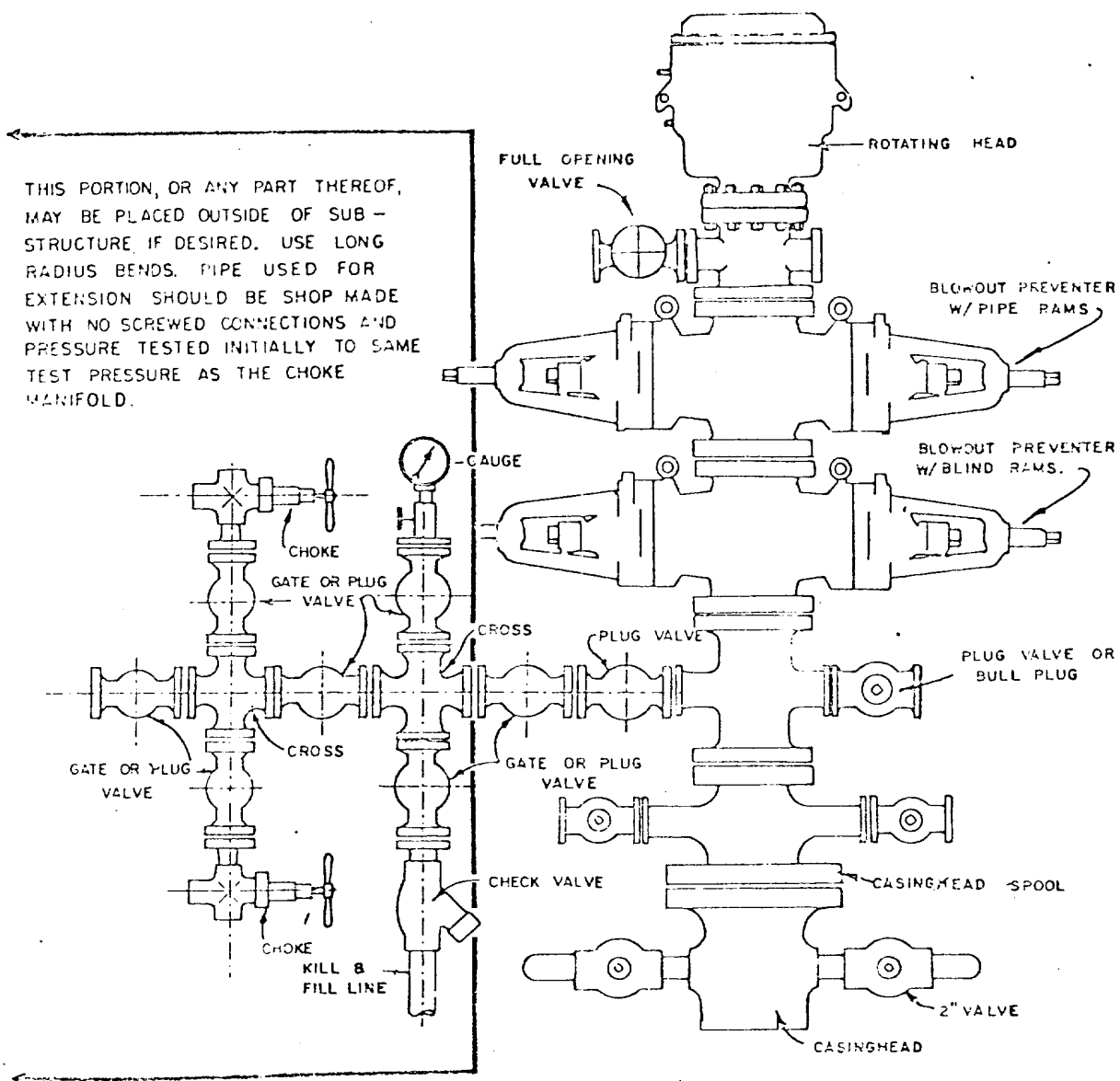
Drilling fluid to TD will be a low solids non-dispersed mud system.

Amoco will run an Induction Electric Survey from TD to 300' and a Density-Gamma Ray Log from TD to 2000' and a Gamma Ray Log 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.

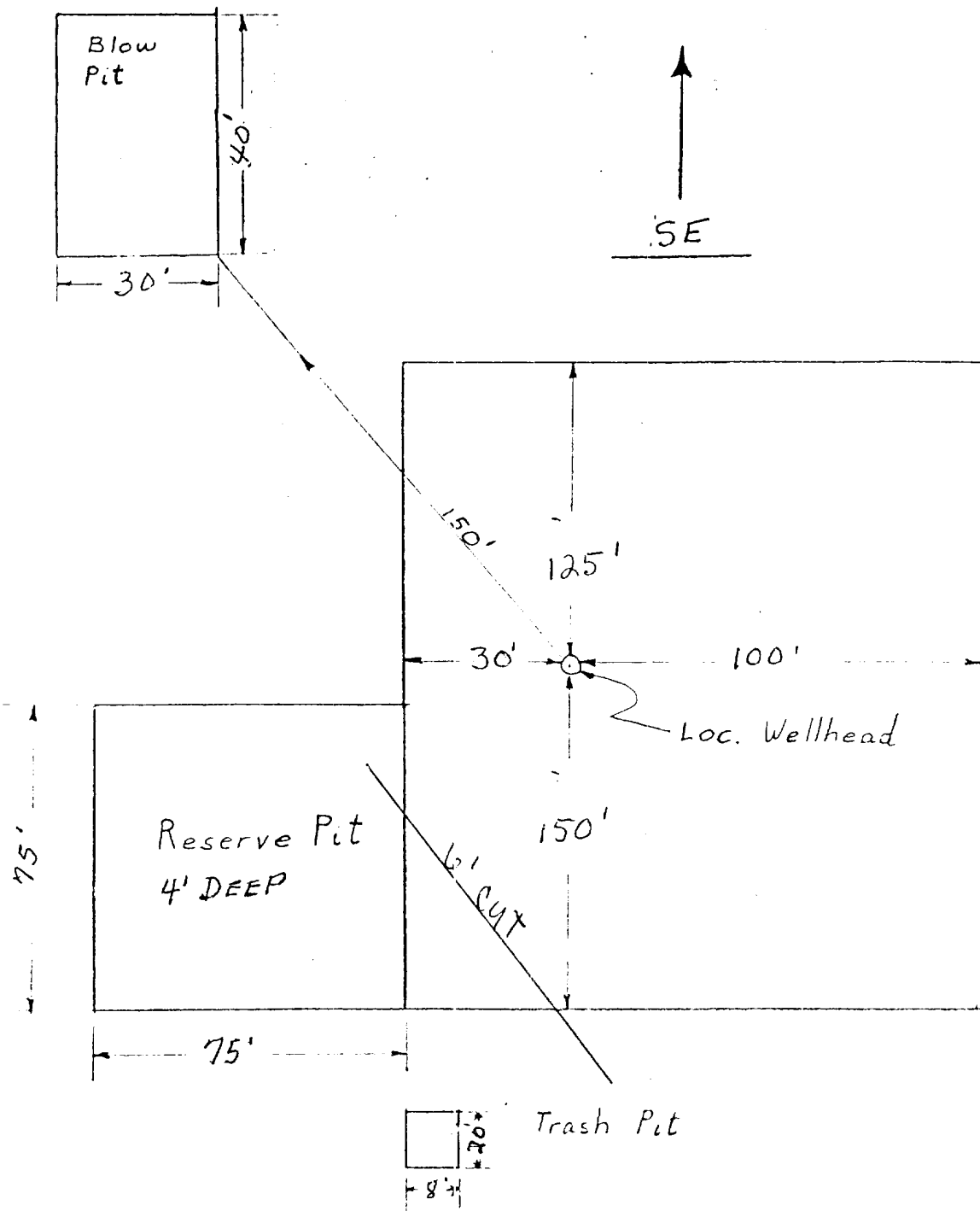


BLOWOUT PREVENTER HOOKUP

MULTI-POINT SURFACE USE PLAN

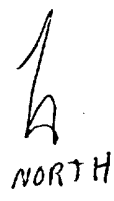
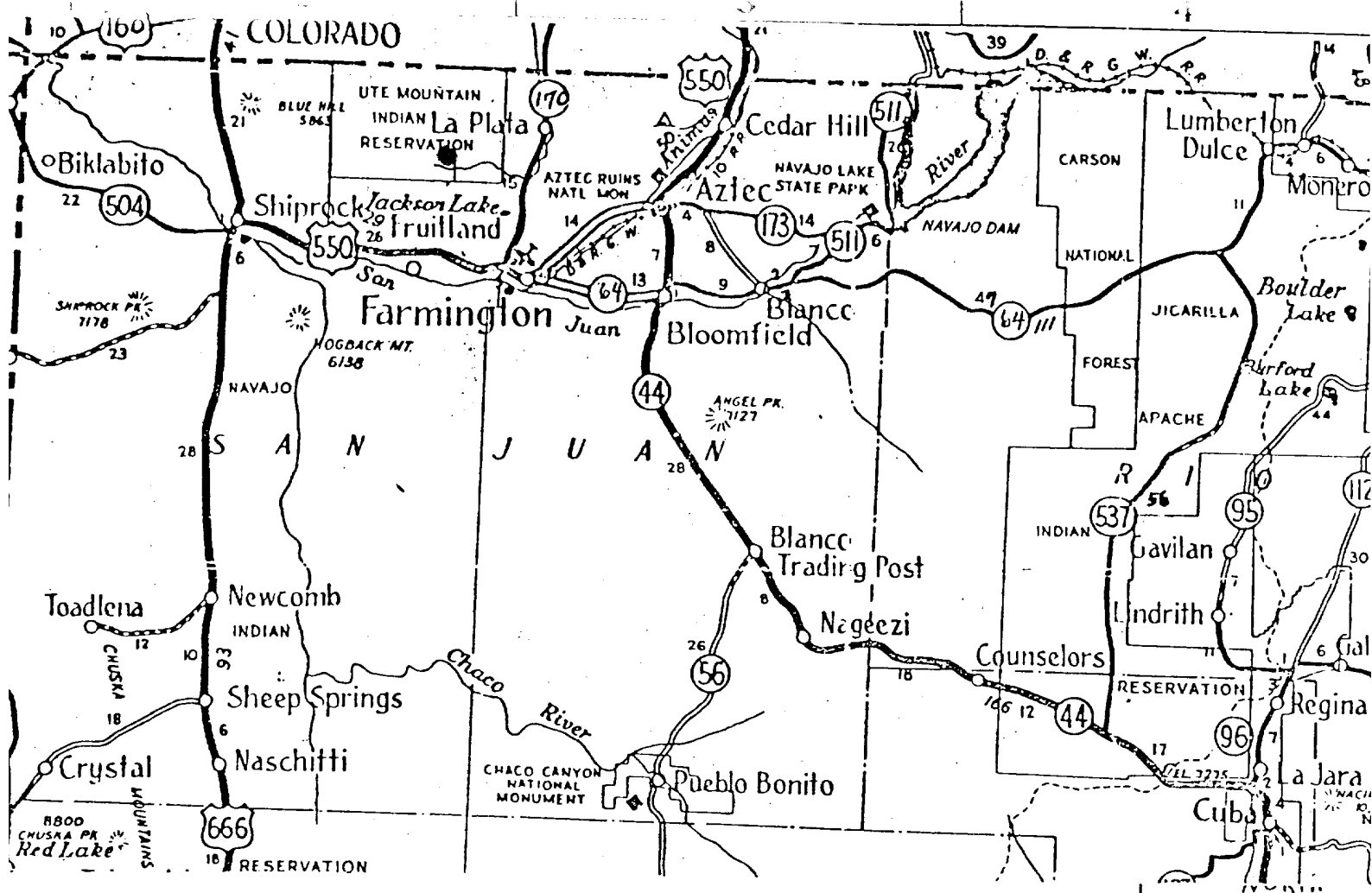
UTE INDIANS "A" NO. 15  
1840' FNL & 1000' FWL, SECTION 36, T32N, R14W  
SAN JUAN COUNTY, NEW MEXICO

1. The attached road map and sketch show the proposed route to the location and distances from towns.
2. A road 4/10ths of a mile long will be built along side El Paso's pipe line - required to stay 25 feet from their line. A new road 700 feet in length will be built to location, both roads to be 20 feet wide and bar ditched on high side. No culverts or cattleguards to be installed unless specified by Ute Indian representative.
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 tank battery facilities located at nearby wells spotted on the vicinity map.
5. Water will be hauled over existing roads from the La Plata Ditch Company.
6. No construction materials will be hauled in for this location.
7. A 75' X 75' 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. There will be a 6-foot cut on northwest corner of location.
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 in accordance with instructions from the Bureau of Indian Affairs.
11. The general topography and soil characteristics are a broken dome slope with southerly drainage, sandstone outcrops, sandy clay loam soil, with vegetation consisting of juniper and pinon trees with sagebrush and native grasses.  
  
Representatives of the U. S. Geological Survey, Durango Office (Don Englishman) and the Ute Mountain Tribe (T. E. Taylor and Ben Salas) 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.

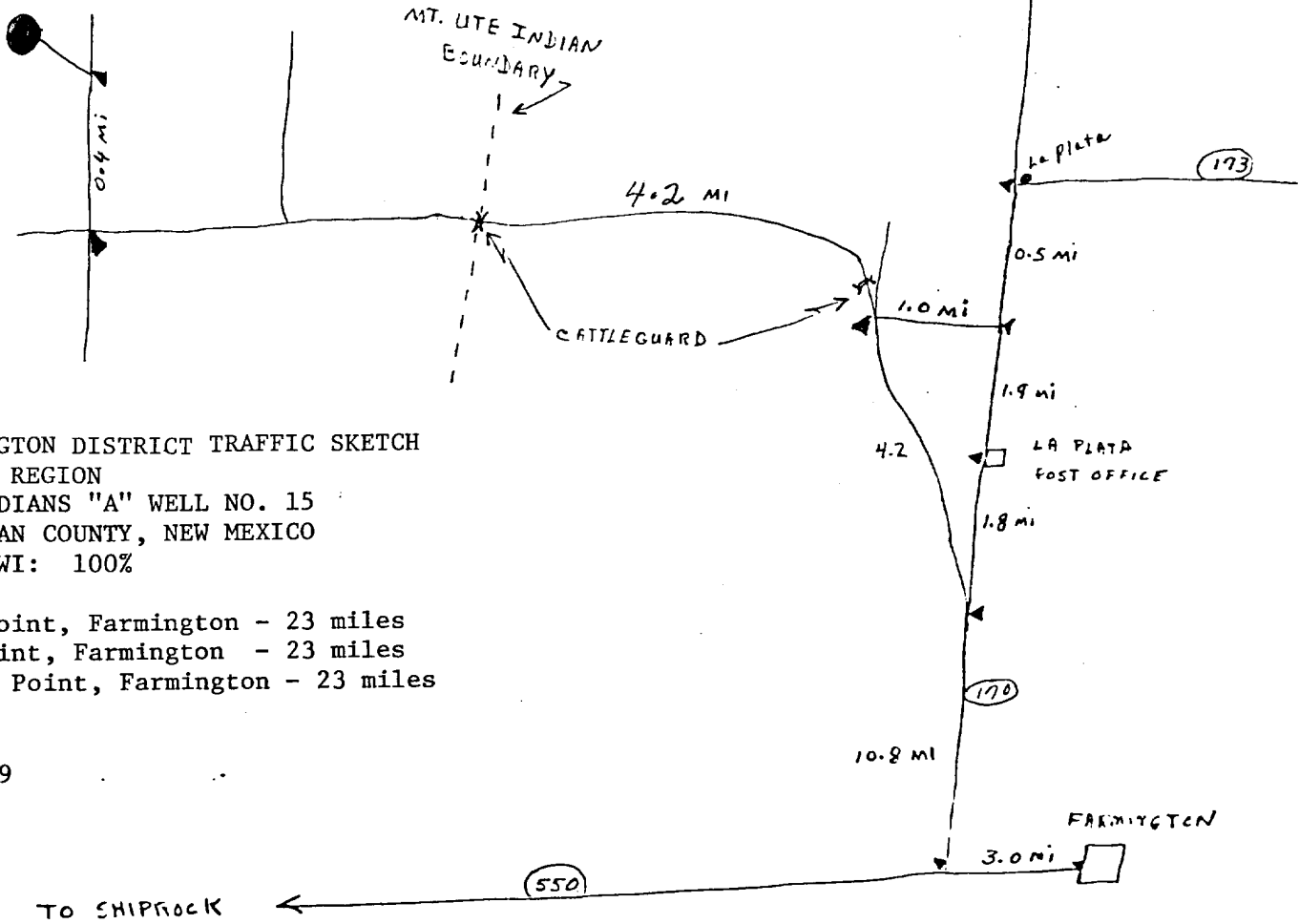


APPROXIMATELY 1.2 Acres

Amoco Production Company	SCALE: NONE
DRILLING LOCATION SPECS UTE INDIANS "A" NO. 15	DRG. NO.



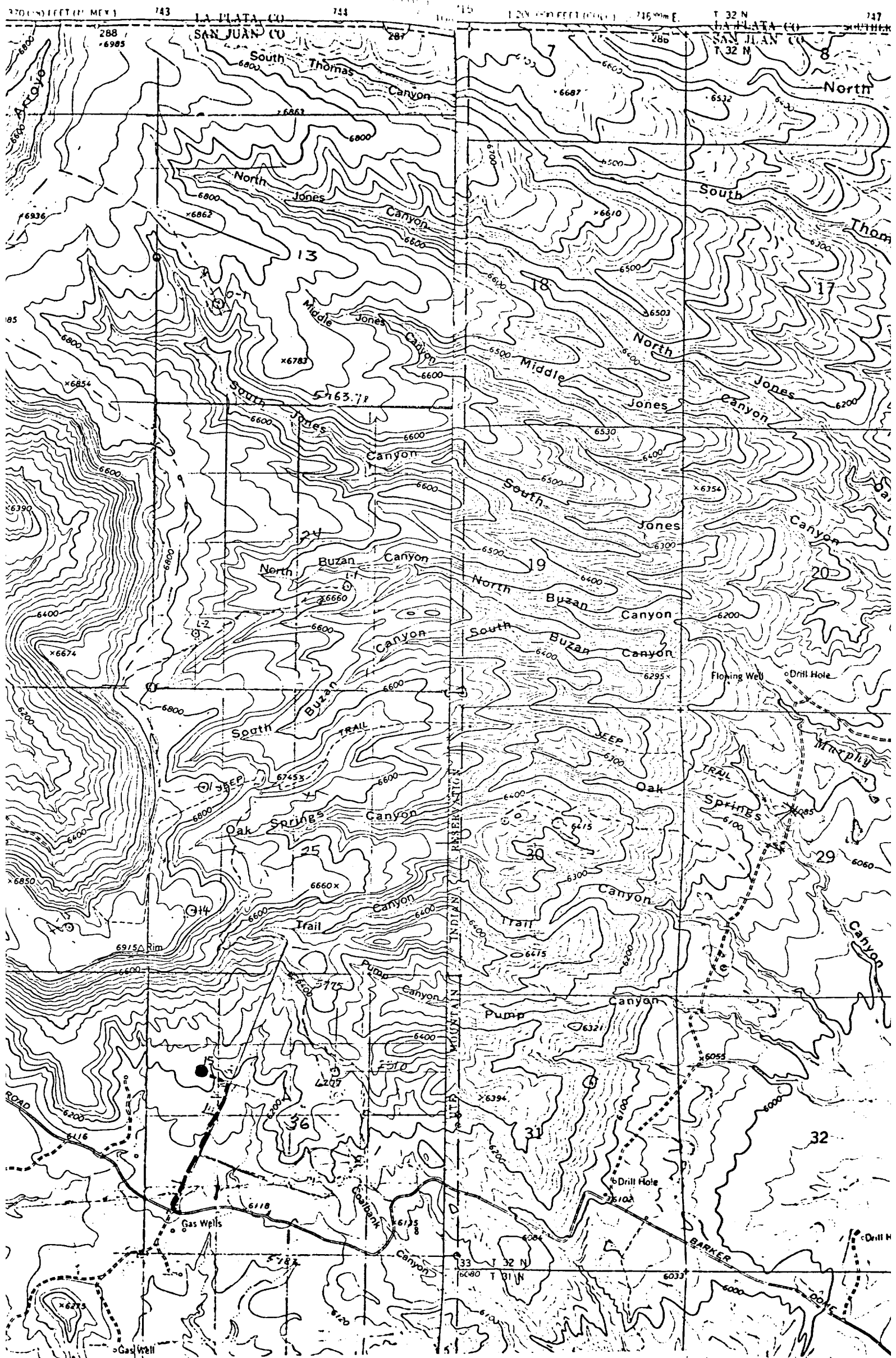
UTE INDIANS  
"A" #15



FARMINGTON DISTRICT TRAFFIC SKETCH  
DENVER REGION  
UTE INDIANS "A" WELL NO. 15  
SAN JUAN COUNTY, NEW MEXICO  
AMOCO WI: 100%

Rail Point, Farmington - 23 miles  
Mud Point, Farmington - 23 miles  
Cement Point, Farmington - 23 miles

4-12-79



Vicinity Map for  
AMOCO PRODUCTION CO. UTE INDIAN "A" #15  
1840' FNL 1000' FWL Sec. 36-T32N-R14W  
SAN JUAN COUNTY, NEW MEXICO



UTE INDIANS "A" NO. 15  
1840' FNL & 1000' FWL, SECTION 36, T32N, R14W  
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.

April 23, 1979  
Date

R. W. Schroeder 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