

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

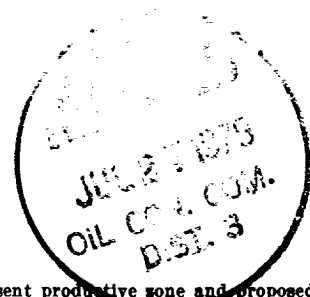
1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. MDO-C-1426-1729	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Ute Mountain Tribe	
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, New Mexico 87401		8. FARM OR LEASE NAME Ute Mountain Tribal "O"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 700' FWL and 790' FWL, Section 12, T32N, R14W At proposed prod. zone SAME		9. WELL NO. 2	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 9 miles northwest of La Plata, New Mexico		10. FIELD AND POOL, OR WILDCAT Ute Dome Dakota Barker	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 700'		11. SEC., T., R. M., OR BLK. AND SURVEY OR AREA 36 1/4 SW 1/4, Section 12, T32N, R14W	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 4200'		12. COUNTY OR PARISH San Juan	
16. NO. OF ACRES IN LEASE 916		13. STATE New Mexico	
17. NO. OF ACRES ASSIGNED TO THIS WELL 160 208		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6900' 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" (new)	24 #	300'	250 sx Class "B" Neat
7-7/8"	4-1/2" (new)	10.5 #	3550'	964 sx Class "B" 50:50 Pen

The above well is being drilled to test the Dakota formation. Completion interval and stimulation program to be determined from study of open hole logs. This acreage is not committed to a gas sales contract. Additional information required by NTL-6 for the application to drill and a Multi-Point Surface Use Plan are attached.

An application for an Unorthodox location has been filed with the Santa Fe Office of the New Mexico Oil Commission.



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. Jarbo TITLE District Engineer DATE July 24, 1979

(This space for Federal or State office use)

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

APPROVED BY ok Frank TITLE \_\_\_\_\_ DATE JUL 26 1979

CONDITIONS OF APPROVAL, IF ANY:

U. S. GEOLOGICAL SURVEY  
DURANGO, COLO.

\*See Instructions On Reverse Side

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

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.

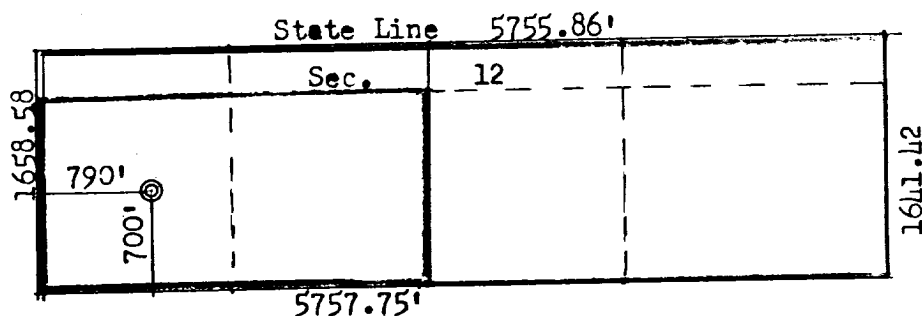
Operator <b>AMOCO PRODUCTION COMPANY</b>			Lease <b>UTE MOUNTAIN TRIBAL "O"</b>		Well No. <b>2</b>
Unit Letter <b>M</b>	Section <b>12</b>	Township <b>32N</b>	Range <b>14W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>700</b> feet from the <b>South</b> line and <b>790</b> feet from the <b>West</b> line					
Ground Level Elev: <b>6900</b>	Producing Formation <b>Dakota</b>		Pool <b>Ute Dome Dakota</b>		Dedicated Acreage: <b>160.208</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.



Scale: 1"=1320'

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  
**JULY 19, 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

**June 27, 1979**

Registered Professional Engineer  
and Land Surveyor

*Fred B. Kerr Jr.*  
**Fred B. Kerr Jr.**

Certificate No.

**3950**

SUPPLEMENTAL INFORMATION TO FORM 9-331C  
Required by NTL-6  
Ute Mountain Tribal "O" No. 2  
700' FSL and 790' FWL, Section 12, T32N, R14W  
San Juan County, New Mexico

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

Estimated tops of important potential hydrocarbon bearing formations:

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>
Gallup	2231'	4682'
Greenhorn	2970'	3943'
Graneros Dakota	3102'	3811'
Main Dakota	3234'	3679'
TD	3550'	

Estimated KB elevation: 6913'.

Drilling fluid to TD will be a low solids non-dispersed mud system.  
Open hole logging program will include logs from TD to below surface casing:

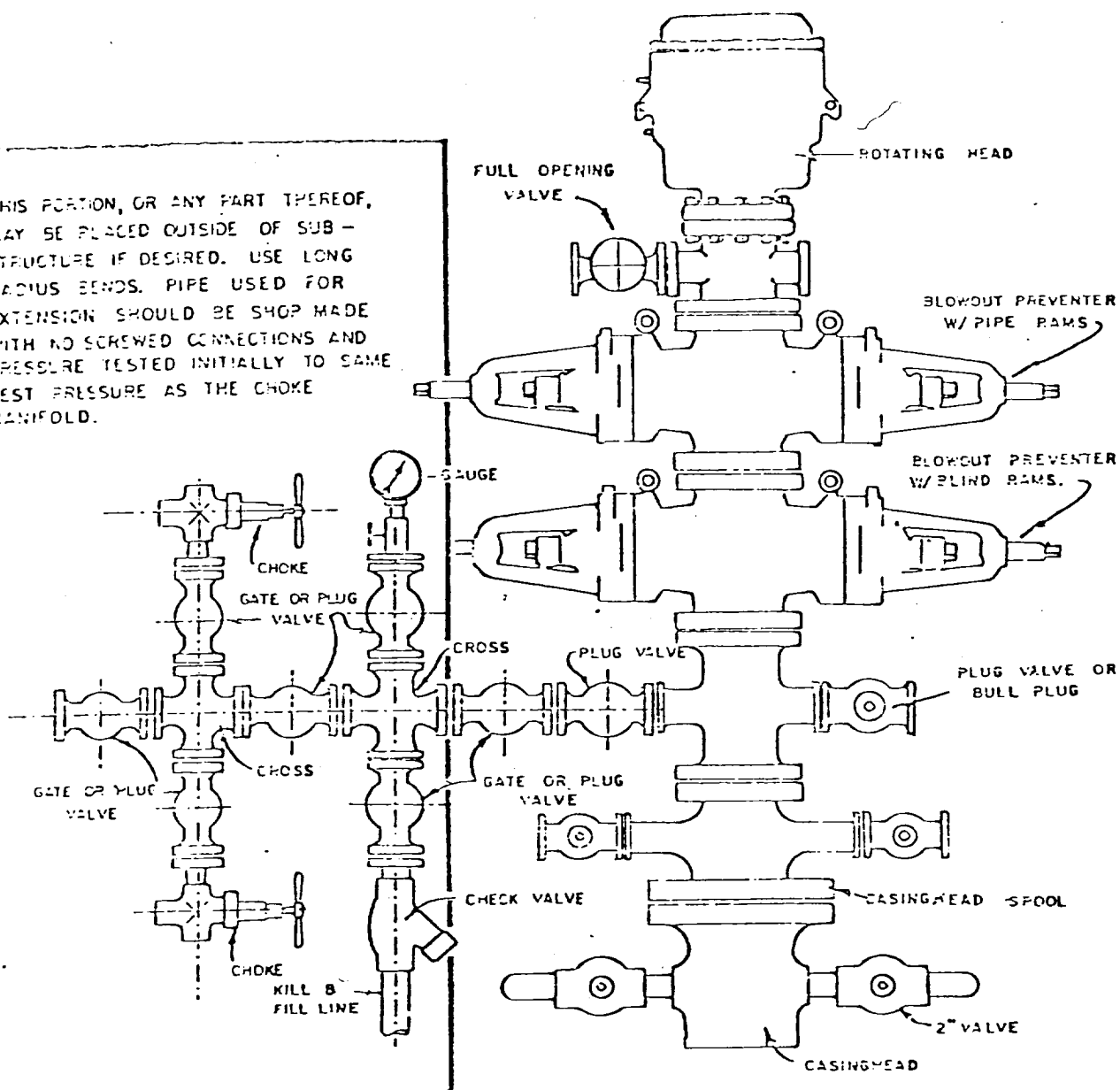
Induction-Gamma Ray-SP	TD - surface
FDC-CNL Combination	TD - surface
Gamma Ray only	2000' - surface

Completion design will be based on these logs. No cores or drill stem tests will be taken.

Operations will commence when permitted and last approximately three weeks.

Amoco's standard blowout prevention will be employed (see attached drawing).

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 MOUNTAIN TRIBAL "O" NO. 2  
700' FSL & 790' FWL, SECTION 12, T32N, R14W  
SAN JUAN COUNTY, NEW MEXICO


1. The attached topographic map shows the proposed route to the location.
2. It will be necessary to build five-tenths mile of road 20 feet wide and bar ditched on one side.
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 facilities within a one-mile radius which are owned or controlled by the operator.
5. Water will be hauled by truck over existing roads from the La Plata ditch a distance of 11 miles.
6. No construction material will be hauled in for this location.
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 fluids 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 20-foot cut will be on south side.
10. Restoration of the surface will be accomplished by cleaning up and leveling upon completion of the well. Drainage ditches will be constructed 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 is a rocky, steep hillside heavily wooded with cedar and pinon trees.

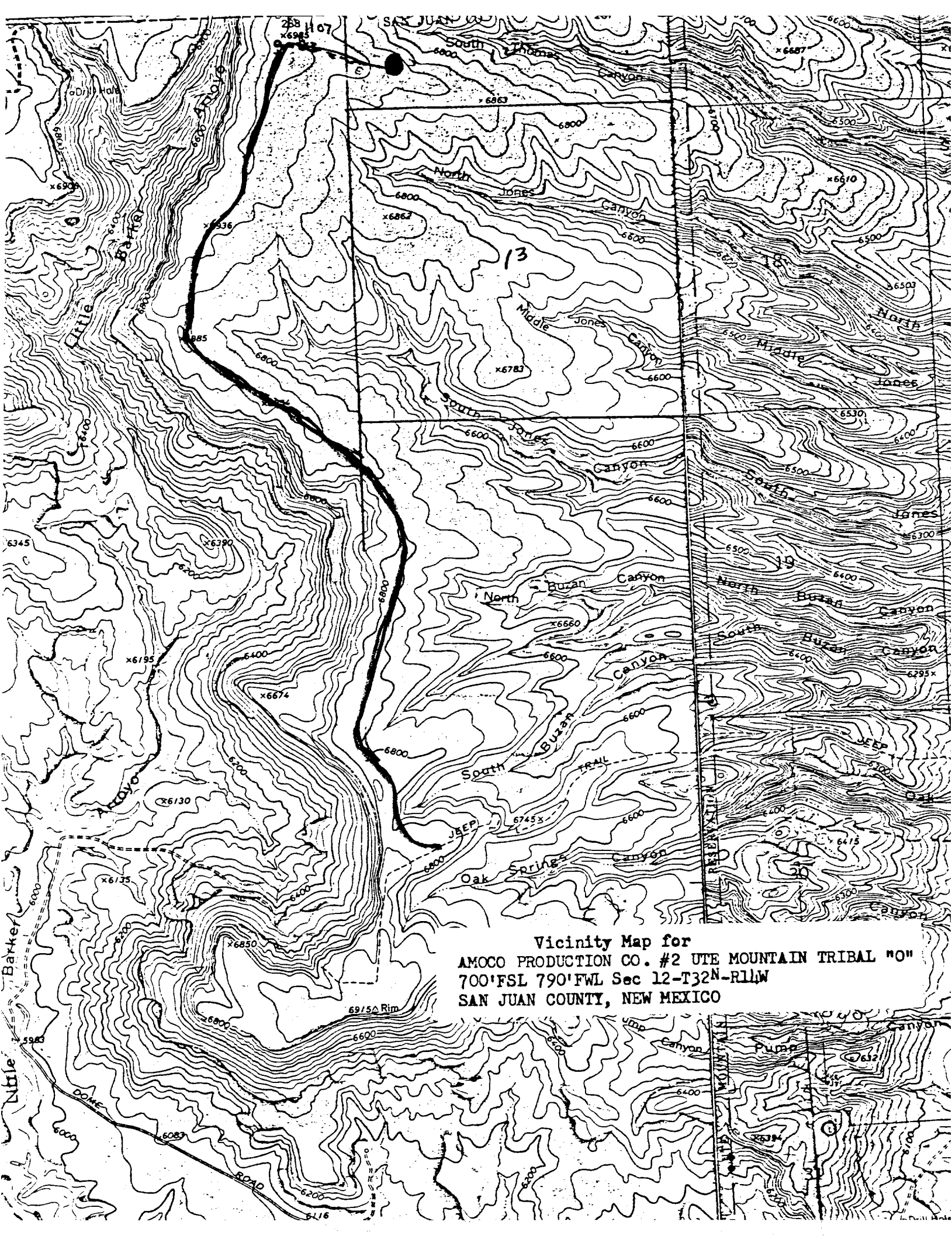
Representatives of the U. S. Geological Survey's Durango Office and Bureau of Indian Affairs Towaoc Office will inspect the site with Amoco personnel. Cultural resources inspection will be conducted by an Archaeologist from San Juan College.

12. Operator's Representative: R. W. Schroeder  
Phone: Office: 505-325-8841; Home: 505-325-6164  
Address: 501 Airport Drive, Farmington, NM 87401

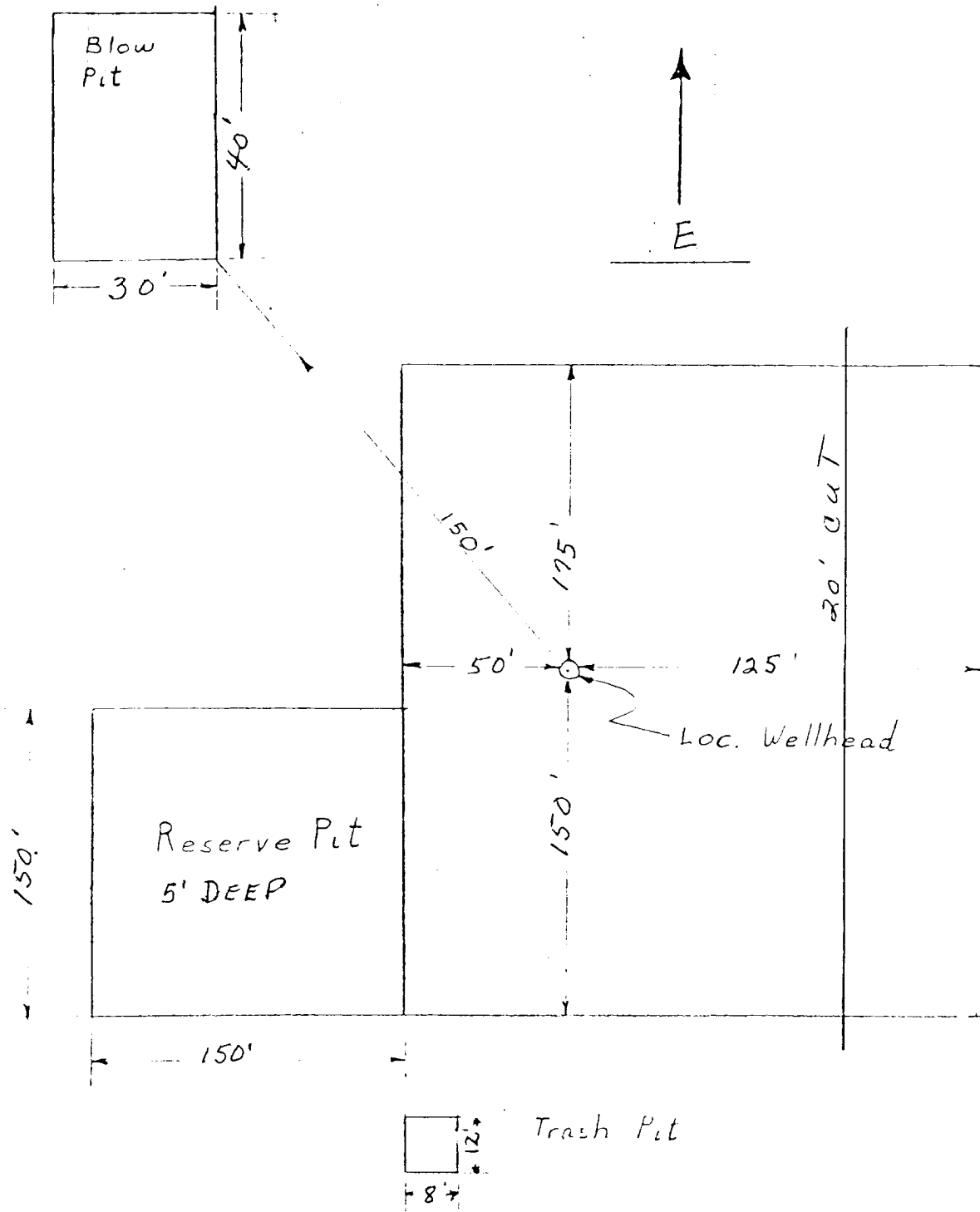
Certification: I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the 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.

Date July 24, 1979

  
R. W. Schroeder, District Superintendent



Vicinity Map for  
AMOCO PRODUCTION CO. #2 UTE MOUNTAIN TRIBAL "O"  
700'FSL 790'FWL Sec 12-T32N-R11W  
SAN JUAN COUNTY, NEW MEXICO



APPROXIMATELY 1.2 Acres

Amoco Production Company	SCALE: NONE
DRILLING LOCATION SPECS	
UTE MOUNTAIN TRIBAL "O" NO. 2	DRG. NO.