

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐2. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐3. NAME OF OPERATOR
AMOCO PRODUCTION COMPANY4. ADDRESS OF OPERATOR
501 Airport Drive, Farmington, New Mexico 874015. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surfaceA 935' FNL and 980' FEL, Section 34, T32N, R14W
At proposed prod. zone

Same

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

5 miles West of La Plata, New Mexico

7. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

935'

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

5300'

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

5947' GL

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# K-55	300'	300 sx Class B Neat-circ
7-7/8"	4-1/2" (New)	10.5# K-55	2410'	460 sx CI B 50:50 POZ, 6% gel, 2# med tuf plug, 0.8% FLA. Tail in with 100' sx Class B Neat-circ

The above well is being drilled to develop the Dakota formation. Drilling fluid will be a low solids non-dispersed mud system. Completion will be based on open hole logs. Amoco's standard blowout prevention will be employed.

The gas from this well is dedicated to Southern Union Gas Company. Additional information required by NTL-6 for the application to drill and a Multi-Point Surface Use Plan are attached.

STIPULATIONS
ATTACHEDAPPROVAL PERIOD
NOT EXCEED 1 YEAR.

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

SIGNED R. C. JonesTITLE District Engineer

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY

SEP 20 1980

TITLE

CONDITIONS OF APPROVAL, IF ANY:

DON C. JONES - ACTING DISTRICT
OIL & GAS SUPERVISOR

RECEIVED

SEP 19 1980

U. S. GEOLOGICAL SURVEY
DURANGO, COLO."APPROVAL TO STATE GRANTED
WHILE DRILLING AND TESTING."RECEIVED
SEP 25 1980
OIL CON. COM.
DIST. 3RECEIVED
OCT 2 1980
OIL CON. COM.
DIST. 3

DATE

OIL CONSERVATION DIVISION

P. O. BOX 2088

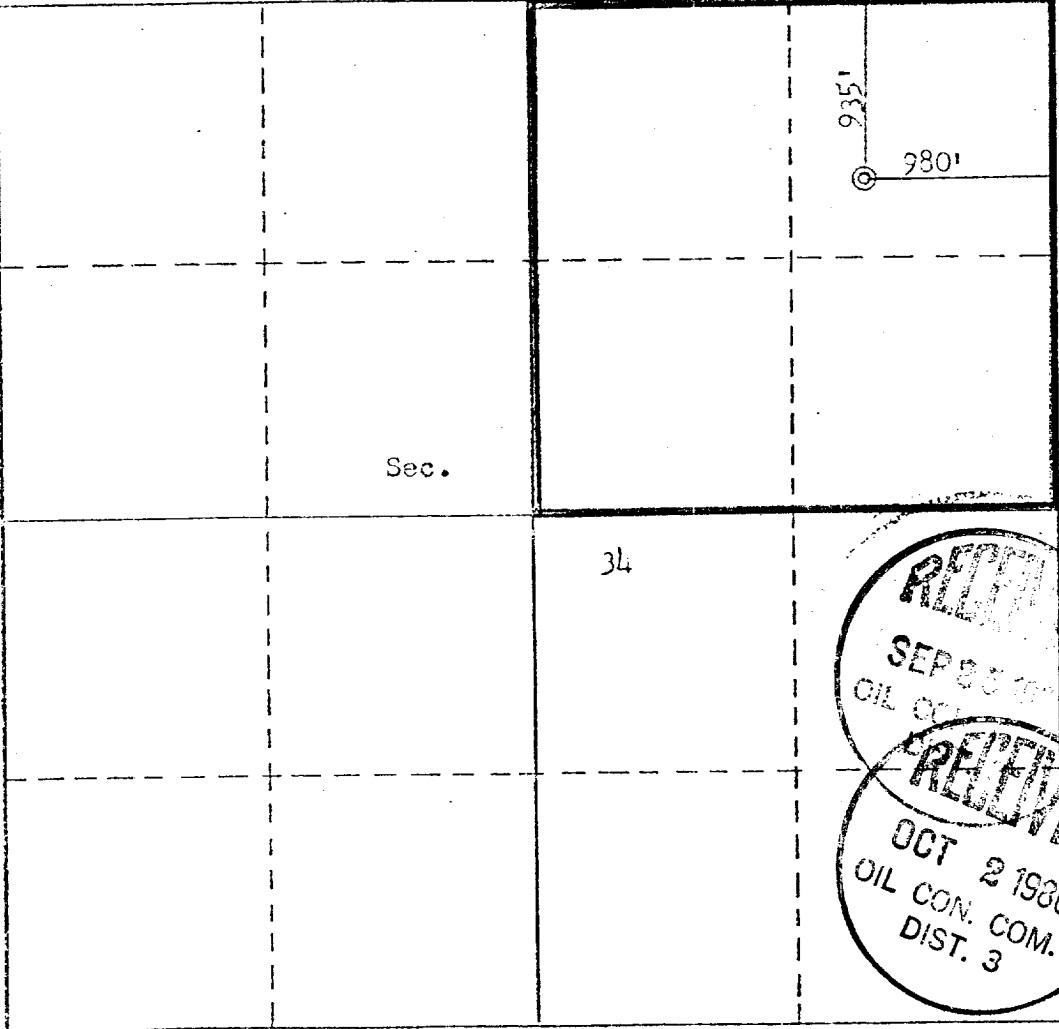
Form C-107
Revised 10-1-78

STATE OF NEW MEXICO

SANTA FE, NEW MEXICO 87501

ENERGY AND MINERALS DEPARTMENT

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

Operator AMOCO PRODUCTION COMPANY		Lease UTE INDIANS "A"		Well No. 21
Unit Letter A	Section 34	Township 32N	Range 14W	County San Juan
Actual Footage Location of Well: 935 feet from the North line and 980 feet from the East line				
Ground Level Elev. 591.7	Producing Formation Dakota	Pool Ute Dome Dakota	Dedicated Acreage: 160 Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.</p> <p>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).</p> <p>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?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes," type of consolidation _____</p> <p>If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____</p> <p>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.</p>				
			CERTIFICATION	
			<p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Robert A. Downey</i> Name R.A. DOWNEY Position DISTRICT ENGINEER Company AMOCO PRODUCTION COMPANY Date JULY 7, 1980</p> <p>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.</p> <p><i>Fred B. Kerr Jr.</i> Date Surveyed JULY 1980 Registered Professional Engineer and/or Land Surveyor Fred B. Kerr Jr. Certificate No. 3950</p>	

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

SUPPLEMENTAL INFORMATION TO FORM 9-331C

UTE INDIANS "A" NO. 21
935' FNL & 980' FEL, SECTION 34, T32N, R14W
SAN JUAN COUNTY, NEW MEXICO

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

Estimated tops of important potential hydrocarbon bearing formations:

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>
Greenhorn	2060 '	+3900'
Dakota	2210 '	+3750'
	'	'
	'	'
	'	'
TD	2410 '	+3550'

Estimated KB elevation: 5960 '.

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:

IES-SP-GR	300'-TD
FDC-CNL-GR	2000'-TD
GR	Surf-2000'

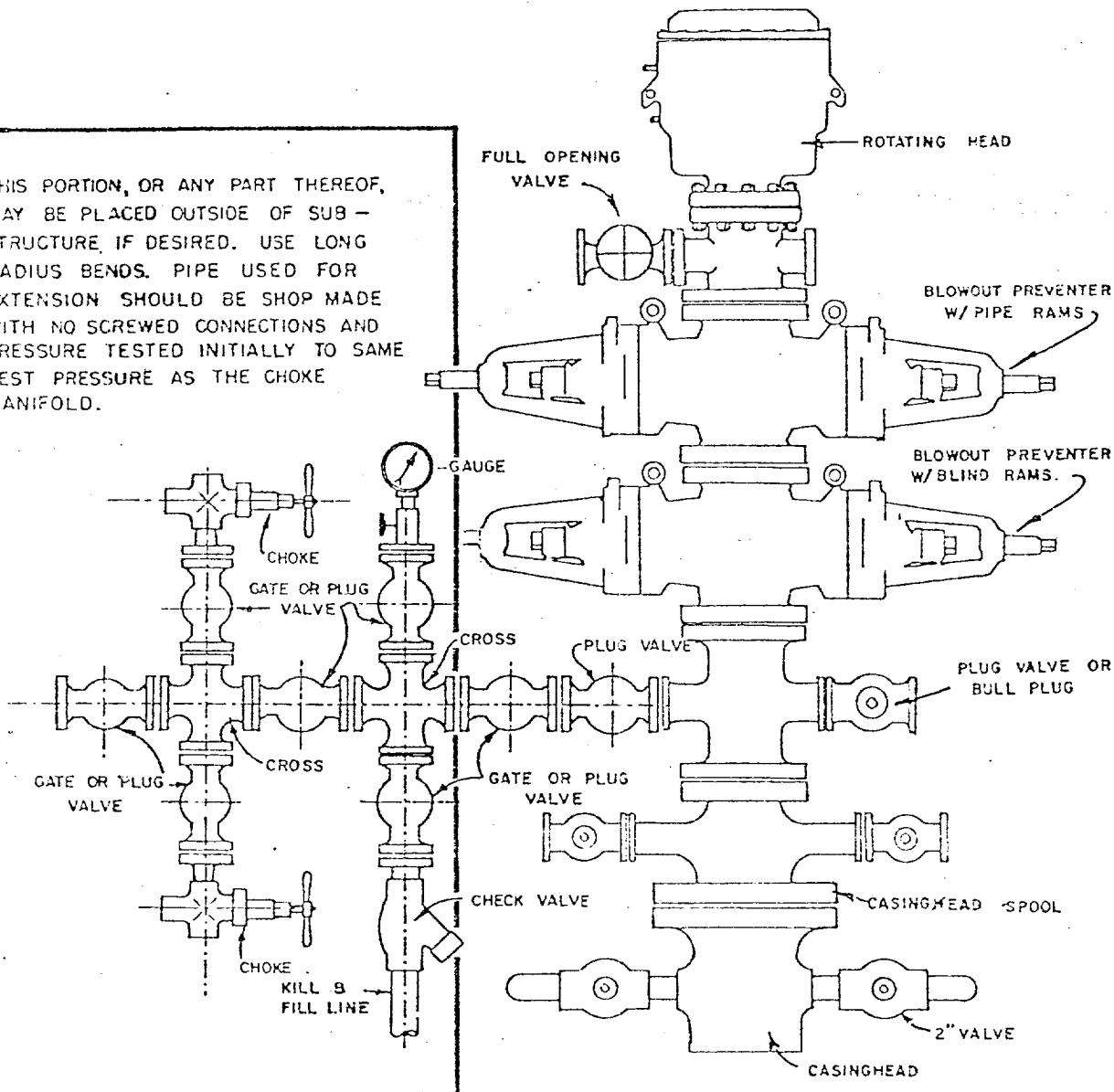
Completion design will be based on these logs. No cores or drill stem tests will be taken.

Operations will commence when permitted and last approximately 2 weeks.

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

1. Blowout Preventers and Master Valve to be fluid operated, and all fittings must be in good condition.
2. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
3. Nipple above Blowout Preventer shall be same size or larger than BOP being drilled through.
4. All fittings to be flanged.
5. Omsco or comparable safety valve must be available on rig floor at all times with proper connection or sub. The I.D. of safety valve should be as great as I.D. of tool joints of drill pipe, or at least as great as I.D. of drill collars.

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

API Series # 900

EXHIBIT D-4

OCTOBER 16, 1969

Operation of BOP by closing both pipe and blind rams will be tested each trip or, on long bit runs, pipe rams will be closed once each 24 hours.

MULTI-POINT SURFACE USE PLAN

UTE INDIANS "A" NO. 21
935' FNL & 980' FEL, SECTION 34, T32N, R14W
SAN JUAN COUNTY, NEW MEXICO

1. The attached topographic map shows the proposed route to the location.
2. It will not be necessary to build any access road.
3. Existing oil and gas wells within a one-mile radius of our proposed well have been spotted on the lease road map.
4. There is a 380-barrel tank and facilities located at Ute Indians "A" Well No. 8, approximately 750 feet south.
5. Water will be hauled from the La Plata River.
6. No construction materials will be hauled in for this location.
7. A 100' by 100' pit will be built on location to hold all drilling waste. Upon completion of the well, pit will be fenced and waste and liquids left to dry, then pit will be filled and leveled. If any liquids remain, they will be hauled away prior to back filling.
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. It will not be necessary to make any cuts.
10. Restoration of the surface will be accomplished by cleaning up and leveling upon completion of the well. Reseeding of the site will be carried out as instructed by the Bureau of Indian Affairs.
11. The general topography is a flat area, on edge of wash, with sandy loam soil; vegetation consists of sagebrush and native grasses.

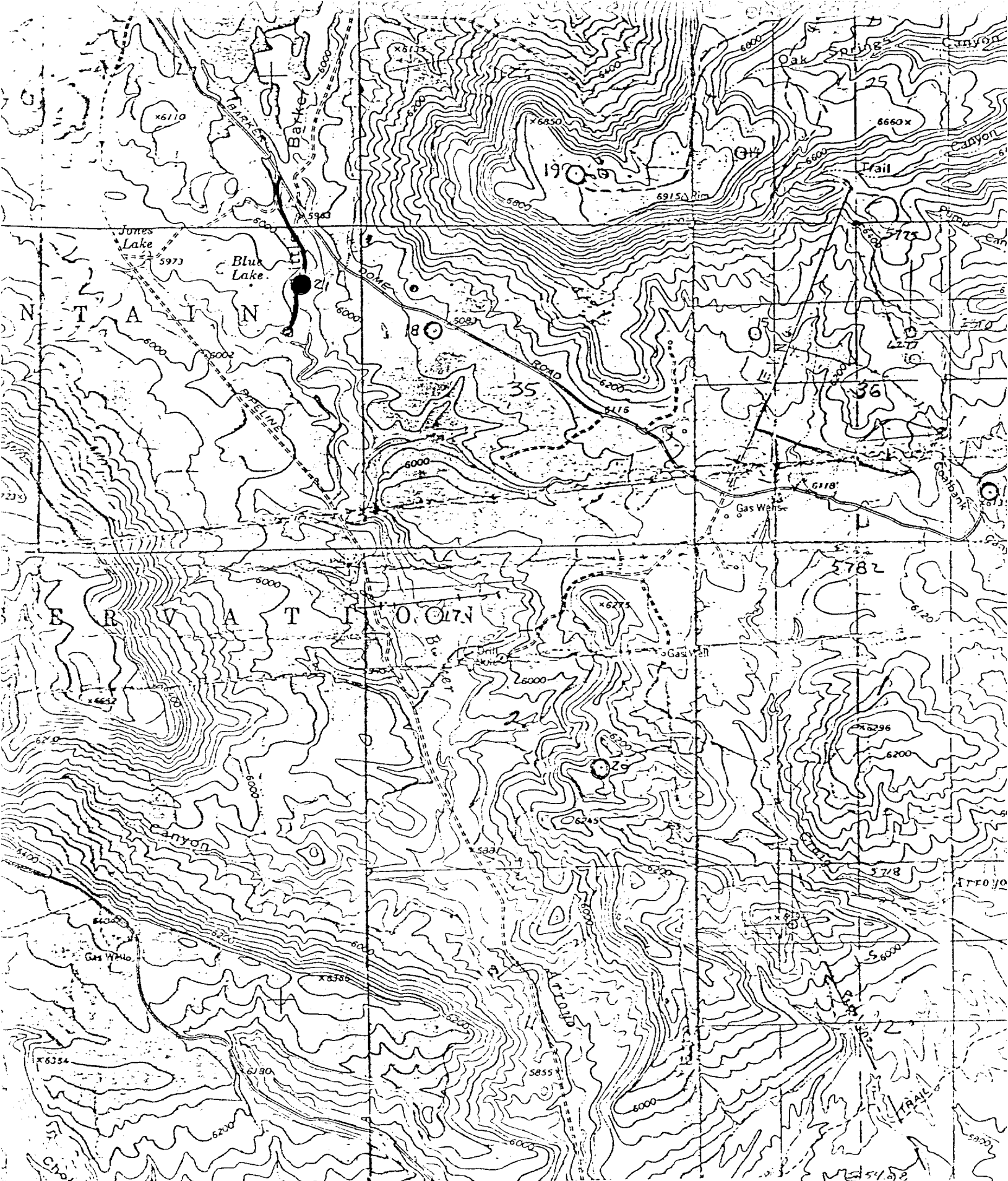
Representatives of the U. S. Geological Survey's Durango office and the Bureau of Indian Affairs' Towaoc office inspected the site with Amoco personnel. Cultural resources inspection was conducted by an archaeologist from Salmon Ruins.

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

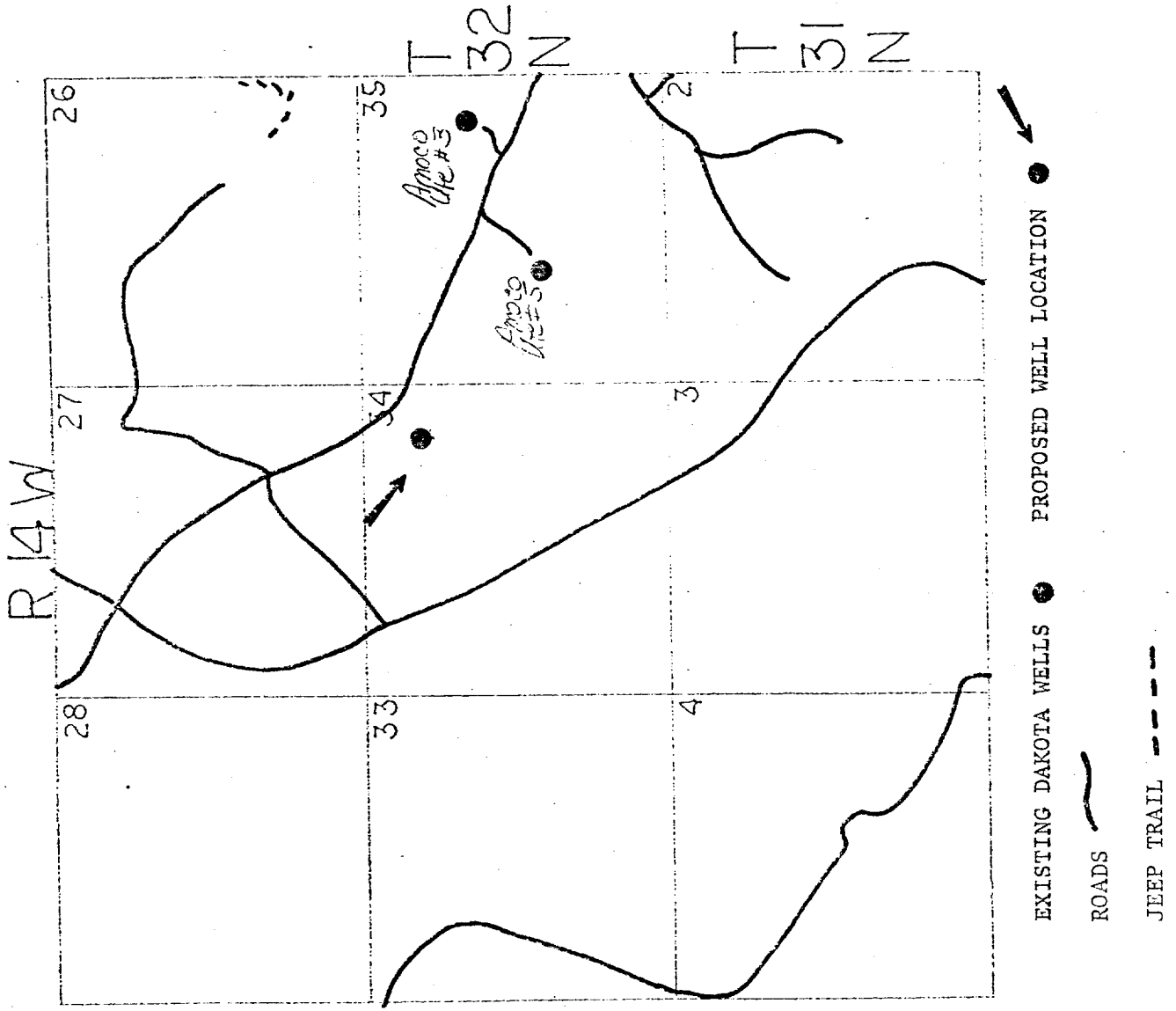
Certification: I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the 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 September 10, 1980

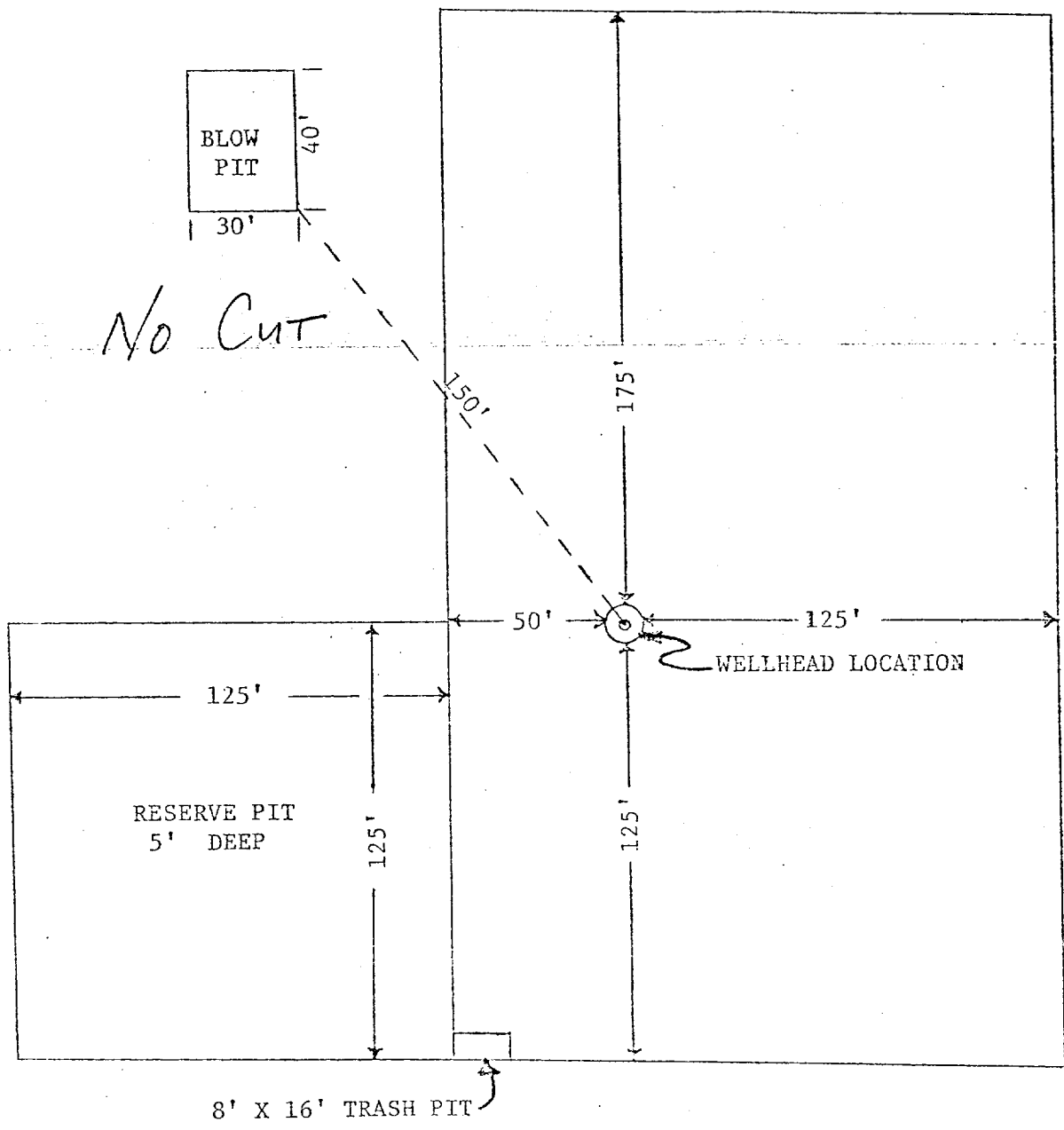

R. W. Schroeder, District Superintendent



Vicinity Map for
AMOCO PRODUCTION CO. #21 UTE INDIANS "A"
935'FNL 980'FEL Sec. 34-T32N-R14W
SAN JUAN COUNTY, NEW MEXICO



SW



APPROXIMATELY 1.2 ACRES

Amoco Production Company	SCALE: 1"=50'
DRILLING LOCATION SPECIFICATIONS	
UTE INDIANS "A" NO. 21	DRG. NO.