

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. 1-22-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, New Mexico 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 1120' FNL and 1120' FWL, Section 2, T31N, R14W At proposed prod. zone Same		9. WELL NO. 17	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 15 miles Northwest of La Plata, New Mexico		10. FIELD AND POOL, OR WILDCAT Ute Dome Dakota	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any) 1120'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW/4, NW/4, Section 2, T31N, R14W	
16. NO. OF ACRES IN LEASE 4200.00		12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL 160		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3200'		19. PROPOSED DEPTH 2335'	
20. ROTARY OR CABLE-TOOLS Rotary		21. APPROX. DATE WORK WILL START* As soon as permitted	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5882' 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 Cl B w/2% CaCl ₂ x 1/4# cellophane flakes per sx-circ
7-7/8"	4-1/2" (New)	10.5# K-55	2335'	403 sx Cl B 50:50 POZ, 6% gel, 1/4# cellophane flake/sx, 2# med tuf plug per sx, 0.8% FLA. Tail in 100 sx Cl B Next-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 NH-6 for the application to drill and a Multi-Point Surface Use Plan are attached.

STIPULATIONS
ATTACHEDAPPROVED FOR A PERIOD
NOT TO 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 surface locations and measured and true vertical depths. Give blowout prevention program, if any.

24.

SIGNED

RA Downey

TITLE

District Engineer

DATE September 16, 1980

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY

SEP 30 1980

TITLE

DATE

CONDITIONS OF APPROVAL

Ed C. Jones
EDON C. JONES - ACTING DISTRICT
OIL & GAS SUPERVISOR

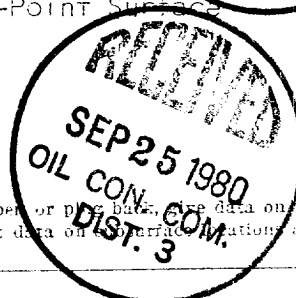
State

X/MCO



RECEIVED

SEP 19 1980

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.APPROVAL TO BE GRANTED
WHILE DRILLING AND TESTING.

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-78

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

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

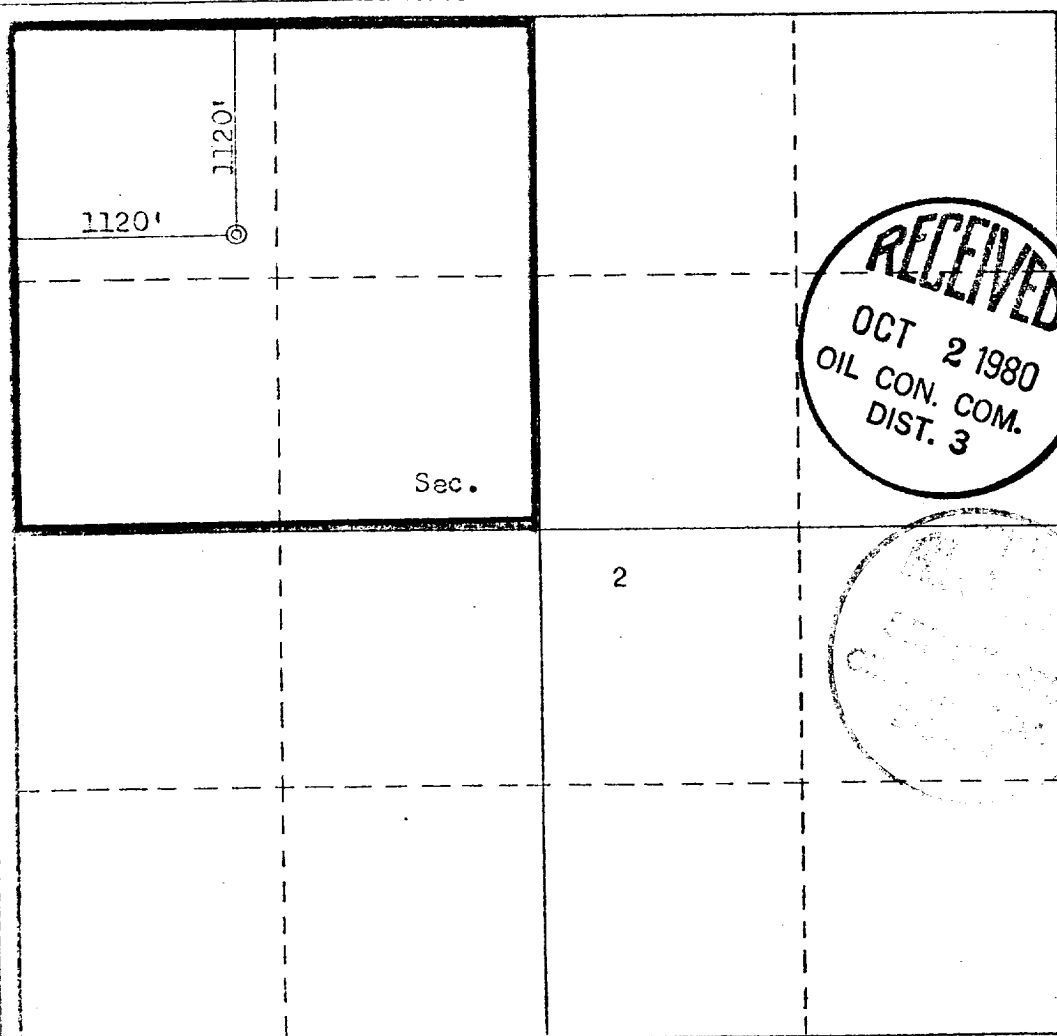
Operator AMOCO PRODUCTION COMPANY		Lease UTE INDIANS "A"		Well No. 17	
Unit Letter D	Section 2	Township 31N	Range 11W	County San Juan	
Actual Footage Location of Well: 1120 feet from the North line and 1120 feet from the West line					
Ground Level Elev. 5382	Producing Formation Dakota		Pool Ute Dome Dakota		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
MAY 5, 1980

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
May 1, 1980

Registered Professional Engineer
and/or Land Surveyor
Fred B. Keir Jr.

Certificate No.
3950

SUPPLEMENTAL INFORMATION TO FORM 9-331C
UTE INDIANS "A" NO. 17
1120' FNL & 1120' FWL, SECTION 2, T31N, 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>
Mancos	425 '	+5470'
Greenhorn	2105 '	+3790'
Dakota	2205 '	+3690'
	'	'
	'	'
TD	2335 '	+3560'

Estimated KB elevation: 5895 '.

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:

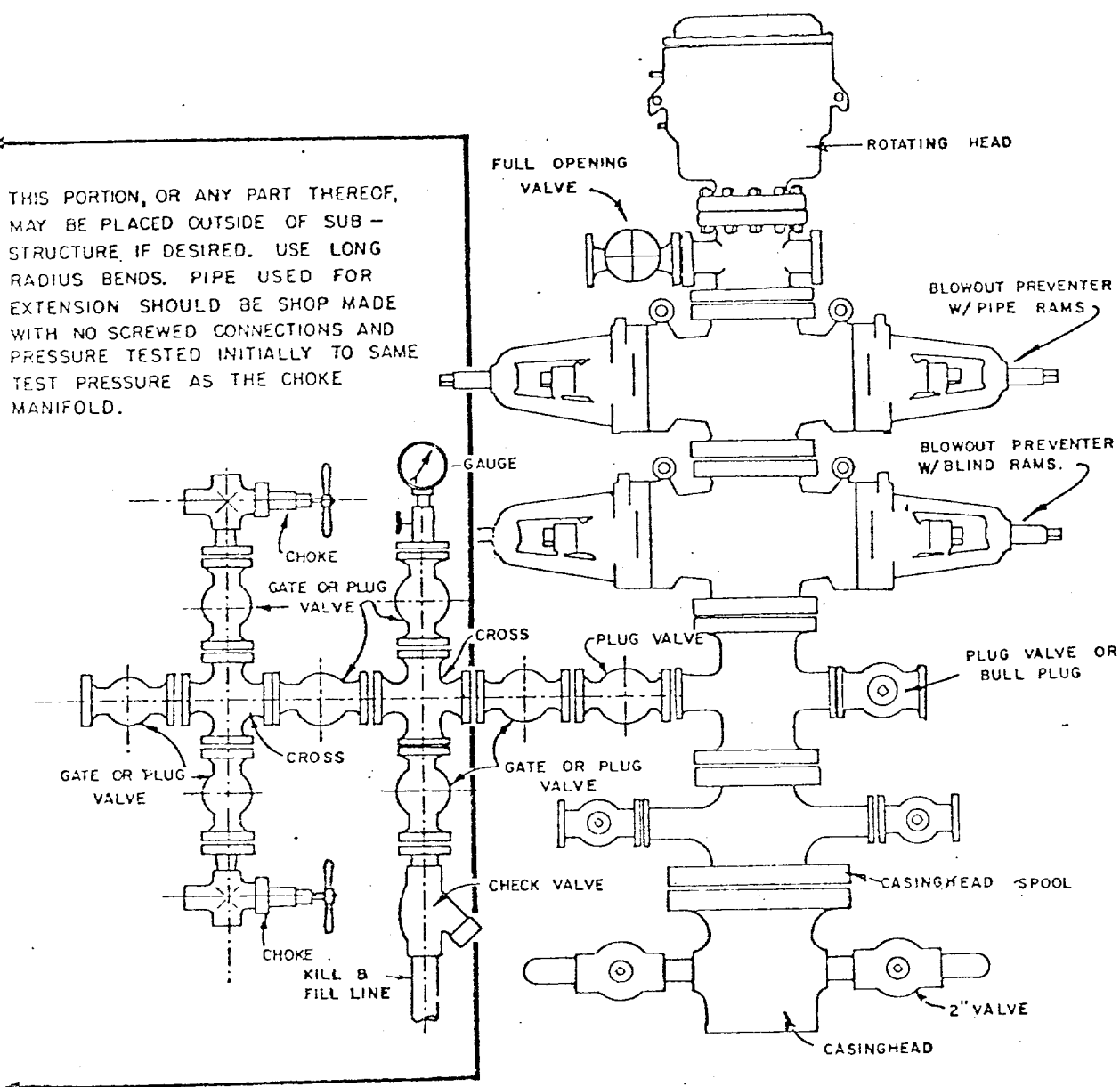
Induction Electric-GR
FDC-GR
SPN-GR

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.



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. 17
1120' FNL & 1120' FWL, SECTION 2, T31N, 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 an access road approximately 250 feet in length and 20 feet wide. Road to be bar ditched on two sides.
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 Mountain Tribal "J" Well No. 4, approximately one-half mile southeast.
5. Water will be hauled from the La Plata River.
6. No construction materials will be hauled in for this location.
7. A 125' by 125' 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. A 2-foot cut will be made on east side.
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 a sandy loam soil; vegetation consists of juniper trees 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

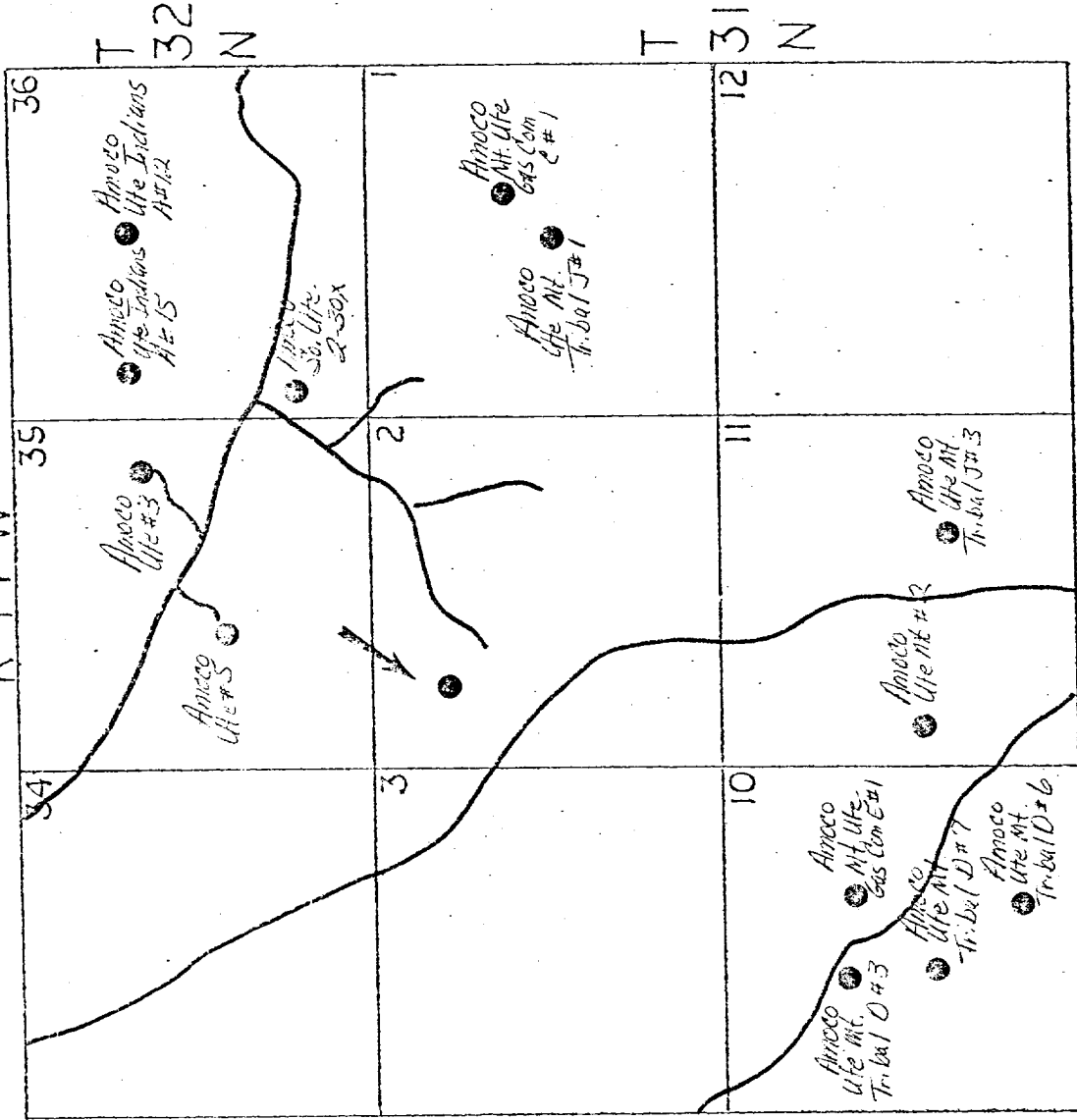


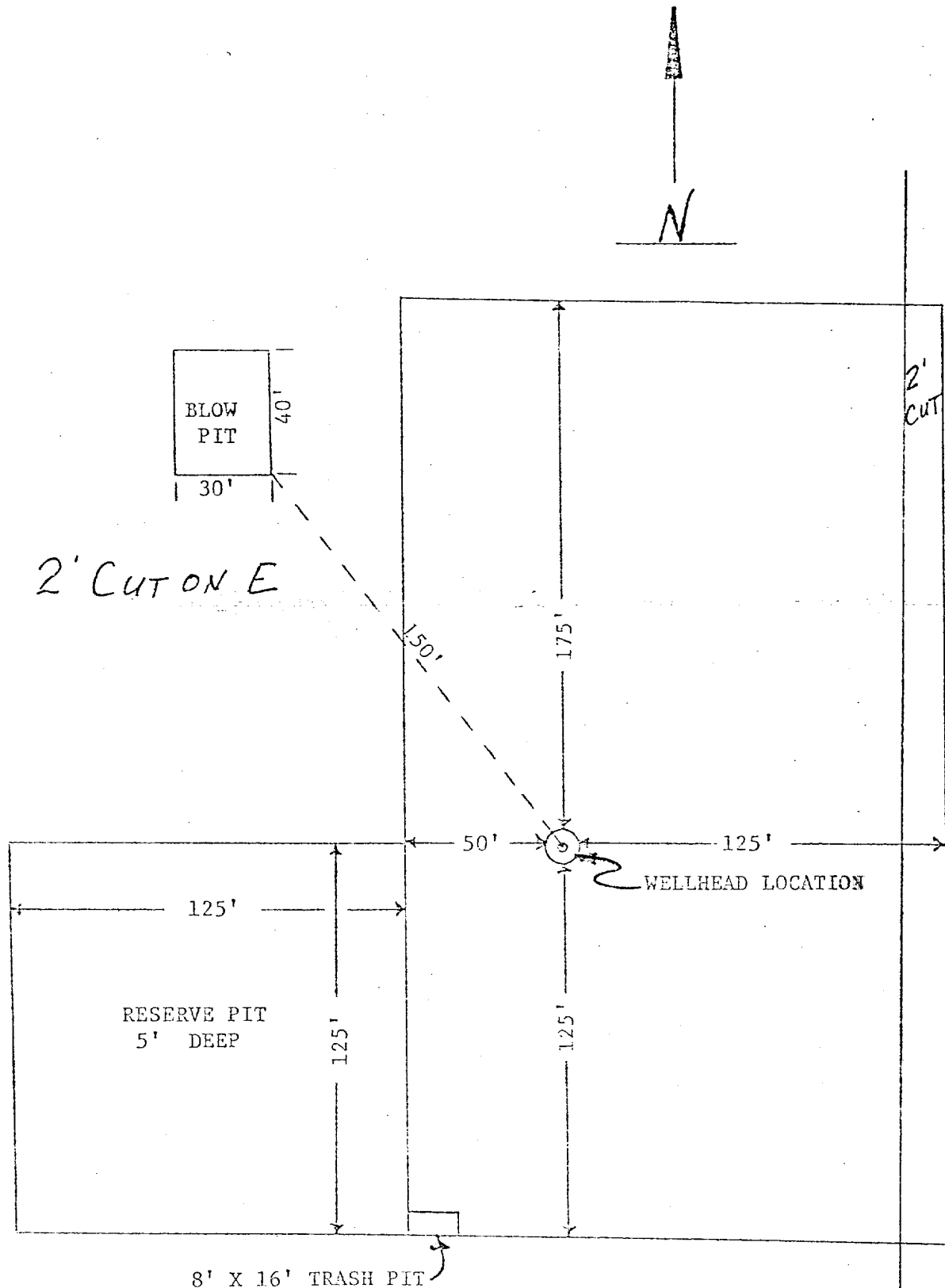
R. W. Schroeder, District Superintendent



Vicinity Map for
AMOCO PRODUCTION COMPANY #17 UTE INDIANS "A"
1120'FNL 1120'FWL Sec. 2-T31N-R11W
SAN JUAN COUNTY, NEW MEXICO

R 14 W





APPROXIMATELY 1.2 ACRES

Amoco Production Company	SCALE: 1"=50'
DRILLING LOCATION SPECIFICATIONS	
Ute Indians "A" No. 17	DRG. NO.