

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APR 30 - 045-22051

## 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

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Kirby Exploration Company

## 3. ADDRESS OF OPERATOR

P.O. Box 1745, Houston, Texas

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

At surface

990' FWL and 1650' FSL

At proposed prod. zone

same

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

1 mile West El Paso Chaco Gas Plant

## 15. DISTANCE FROM PROPOSED\*

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

990'

## 16. NO. OF ACRES IN LEASE

320

## 17. NO. OF ACRES ASSIGNED

TO THIS WELL  
160

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

none

## 19. PROPOSED DEPTH

1500'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

5963 GL

## 22. APPROX. DATE WORK WILL START\*

6-15-76

## 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.	150'	120 sx.
7 7/8	4 1/2	9.5	1500'	200 sx

Move in rotary drilling rig. Set 8 5/8" surface pipe at 150 feet and cement with 120 sacks. Drill 7 7/8" hole to 1500 feet to evaluate Picture Cliff formation. Run open hole logs. If commercial production is indicated, 4 1/2" casing will be set at 1500 feet and cemented. If well is not commercial, same will be plugged and abandoned in accordance with United States Geological Survey specifications.

Blow out preventer will be installed and tested before drilling out from under surface casing.

RECEIVED

MAY 5 1976

DIST 3

Not dedicated

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 preventer program, if any.

24.

SIGNED William T. Jones T. JonesTITLE AgentDATE 5-3-76

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

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

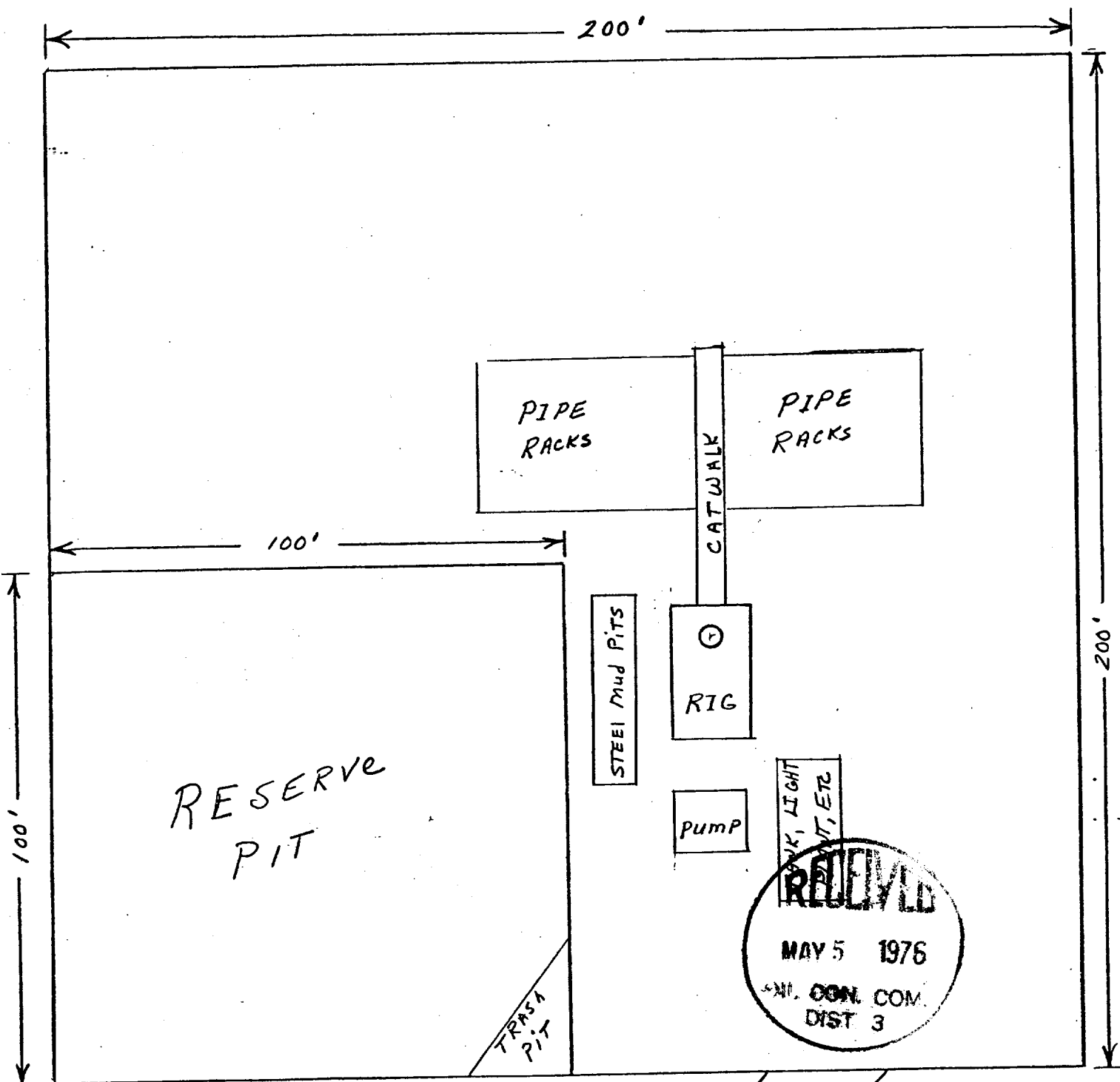
TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

Obal

\*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY



Scale 1" = 30'

Kirby Exploration Company  
Fusselman #1  
990' FWL and 1650' FSL  
Sec 17-26N-12W  
Nipp Picture Cliff  
San Juan County, New Mexico

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

Operator <b>KIRBY EXPLORATION COMPANY, INC.</b>			Lease <b>FUSSELMAN FEDERAL</b>		Well No. <b>1</b>
Unit Letter <b>L</b>	Section <b>17</b>	Township <b>26 NORTH</b>	Range <b>12 WEST</b>	County <b>SAN JUAN</b>	

Actual Footage Location of Well:

<b>1650</b>	feet from the	<b>SOUTH</b>	line and	<b>990</b>	feet from the	<b>WEST</b>	line
Ground Level Elev. <b>5963</b>	Producing Formation <b>Picture Cliff</b>		Pool <b>Nipp</b>	<i>ext</i>		Dedicated Acreage <b>160</b>	Acre

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 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**

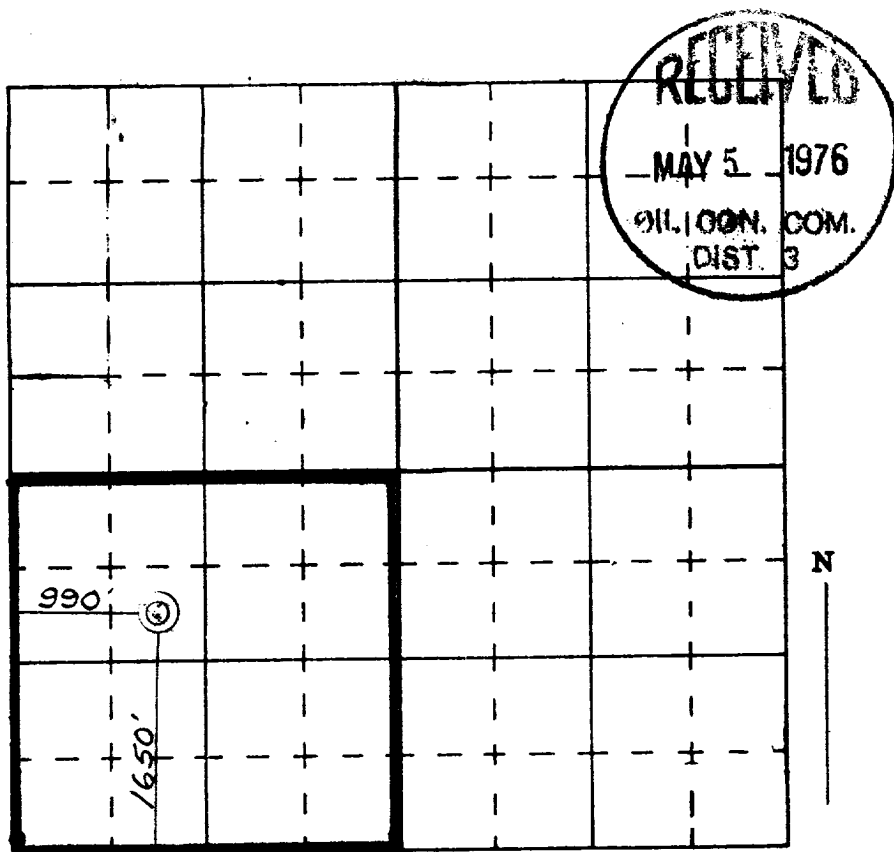
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

W. T. Jones  
Name  
Agent  
Position  
Kirby Exploration Company  
Company  
May 3, 1976  
Date  
*William T. Jones*

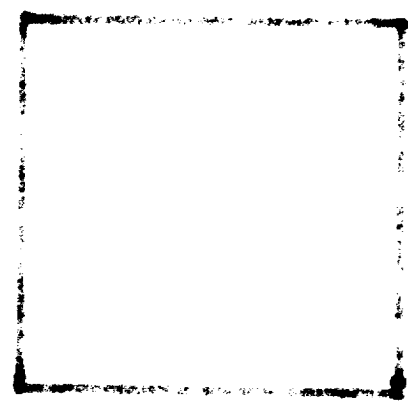
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

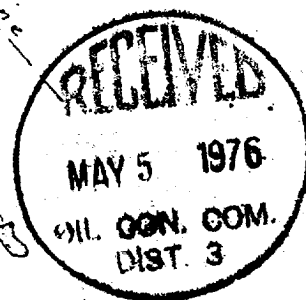
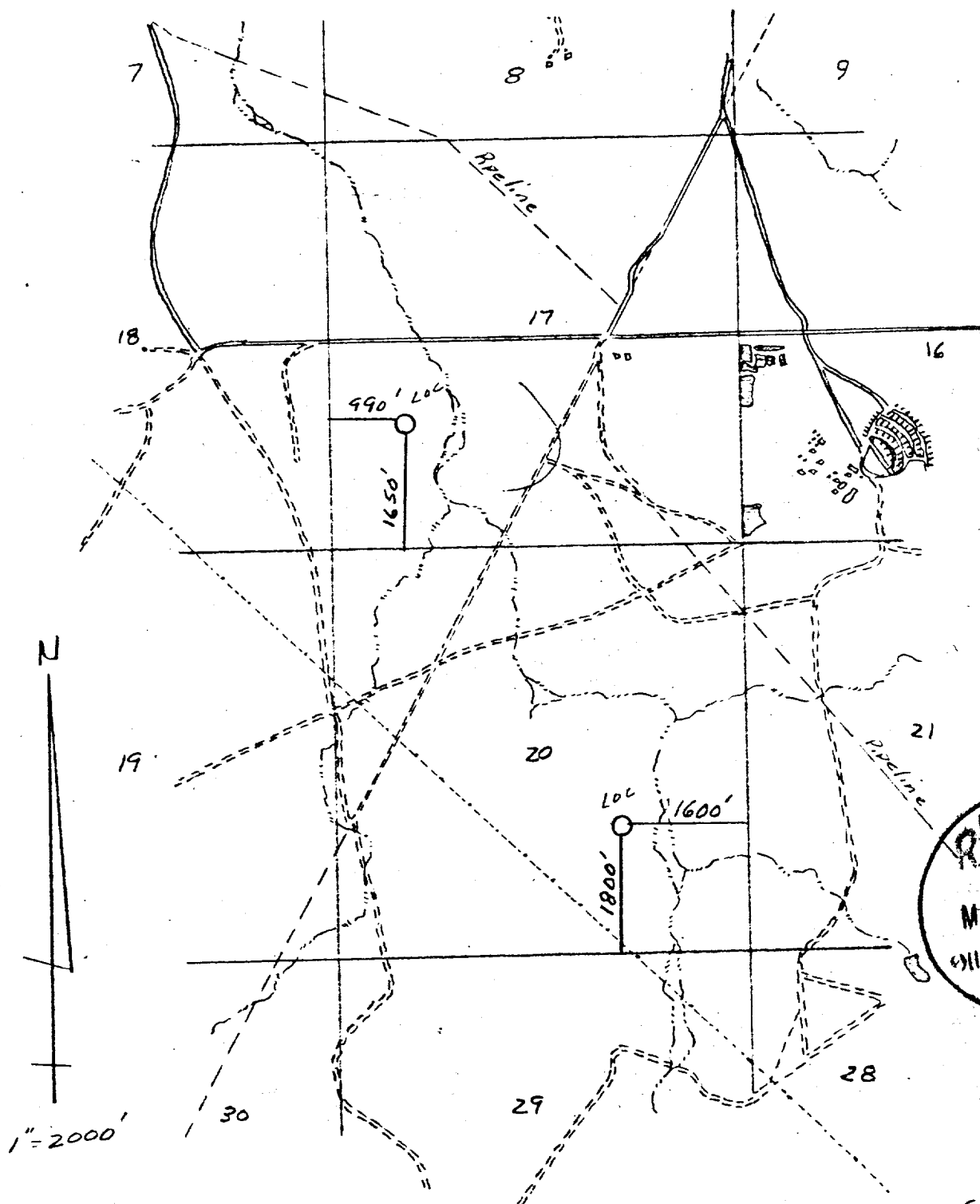
26 April, 1976  
Date Surveyed  
*James P. Leese*  
Registered Professional Engineer  
and/or Land Surveyor  
**James P. Leese**

1463  
Certificate No.



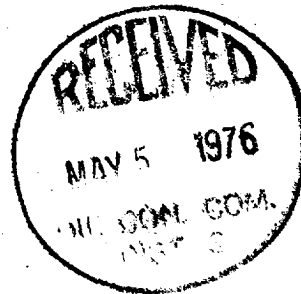
1000





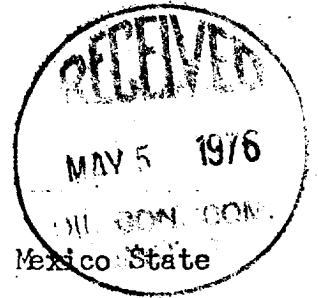
VICINITY Map for  
 KIRBY EXPLORATION Co., INC.  
 showing  
 well location in the SW 1/4 of Sec 17,  
 and SE 1/4 of Sec 20, T26N, R12W  
 N.M.P.M., San Juan County, New Mexico  
 Scale 1"=2000' Date 4/26/76  
 San Juan Engineering Co.  
 Farmington, New Mexico

Archeological Survey of Proposed  
Well Locations Frew Federal #1 and  
Fusselman Federal #1 Conducted for  
Kirby Exploration Company



R. B. Grove  
Coordinator, Cultural Resource  
Management Program  
San Juan Campus  
New Mexico State University  
28 April 1976

Archeological Survey of Proposed  
Well Locations Frew Federal #1 and  
Fusselman Federal #1 Conducted for  
Kirby Exploration Company



This survey was conducted on 28 April 1976 by R. B. Grove of New Mexico State University (Federal Antiquities Permit 75-NM-013). The proposed wells are to lie on lands which will be withdrawn for the Navajo Indian Irrigation Project but where the minerals are under the control of the Bureau of Land Management. In each case the entire area to be disturbed by construction of the proposed locations was visually inspected in a walking survey. Nothing was found in the course of the survey to indicate that the proposed construction will have either direct or indirect adverse effects on cultural resources. Both wells will lie in an area which has been extensively disturbed by modern human occupation and industrial activities. The results of this survey are consistent with those of numerous other surveys in the immediate vicinity.

Proposed well Frew Federal #1 to be located 1800 feet from the south line and 1600 feet from the east line of Section 20, Township 26 North, Range 12 West, N.M.P.M. (Figures 1 & 2).

This well will lie on a sandy rise on the west bank of the west fork of Gallegos Canyon about 3/4 mile southwest of the El Paso Natural Gas Company Chaco Plant. The vegetation at the site consists principally of rice grass, blue gramma, and snakeweed. Access to the location will be by about 300 feet of new road from an existing trail.

Proposed well Fusselman Federal #1 to be located 1650 feet from the south line and 990 feet from the west line of Section 17, Township 26 North Range 12 West. N.M.P.M.

This well will lie on a gentle slope on the west bank of the west fork of Gallegos Canyon about  $\frac{1}{4}$  mile west of the El Paso Natural Gas Company Chaco Plant. The vegetation at the location consists principally of rice grass, rabbitbrush, snakeweed, dropseed, and blue gramma. Access to the location will be by a combination of existing trails and new road extending about 2000 feet southwest. The entire route of the proposed access road was inspected on foot as was the well location.

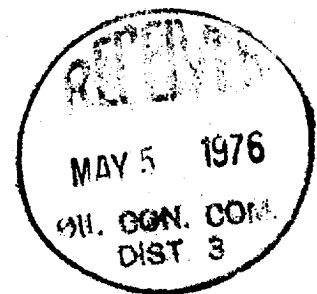
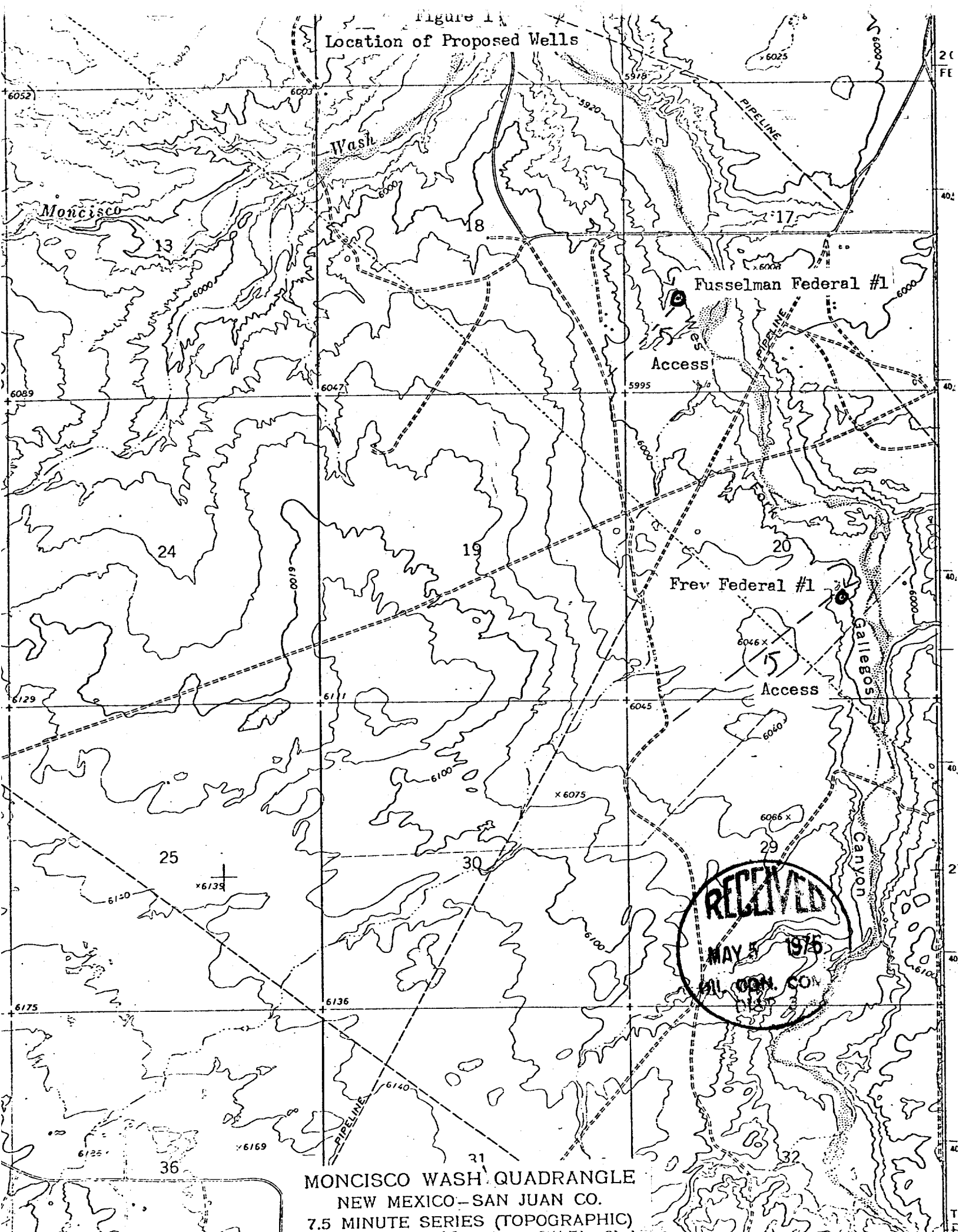


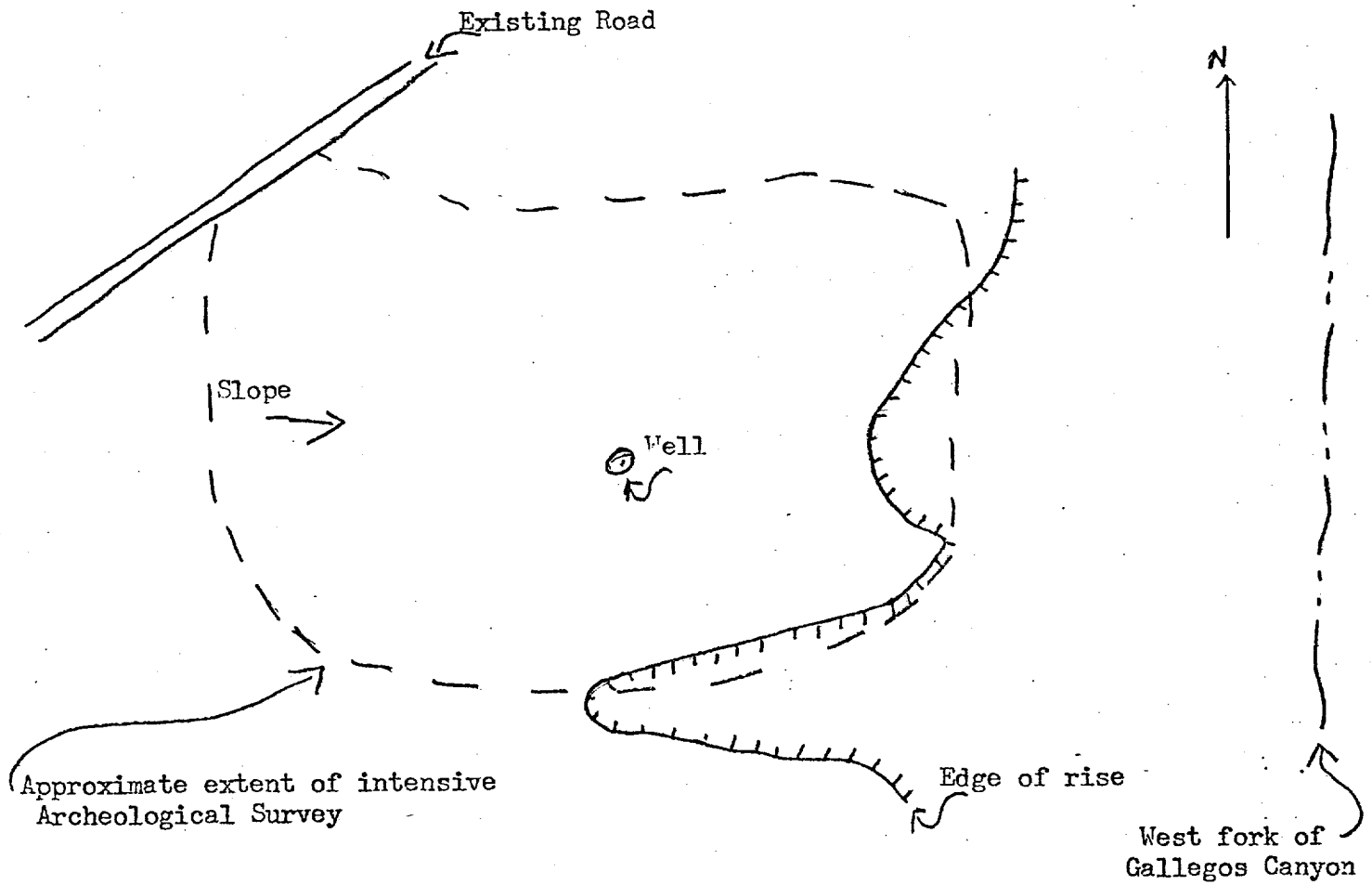


Figure 1  
Location of Proposed Wells



MONCISCO WASH QUADRANGLE  
NEW MEXICO—SAN JUAN CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 2  
Vicinity of Proposed Well Frew Federal #1



100 feet

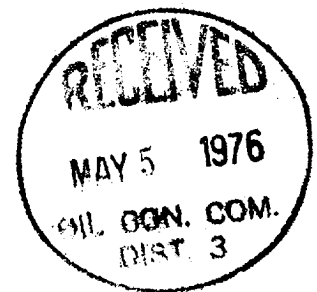
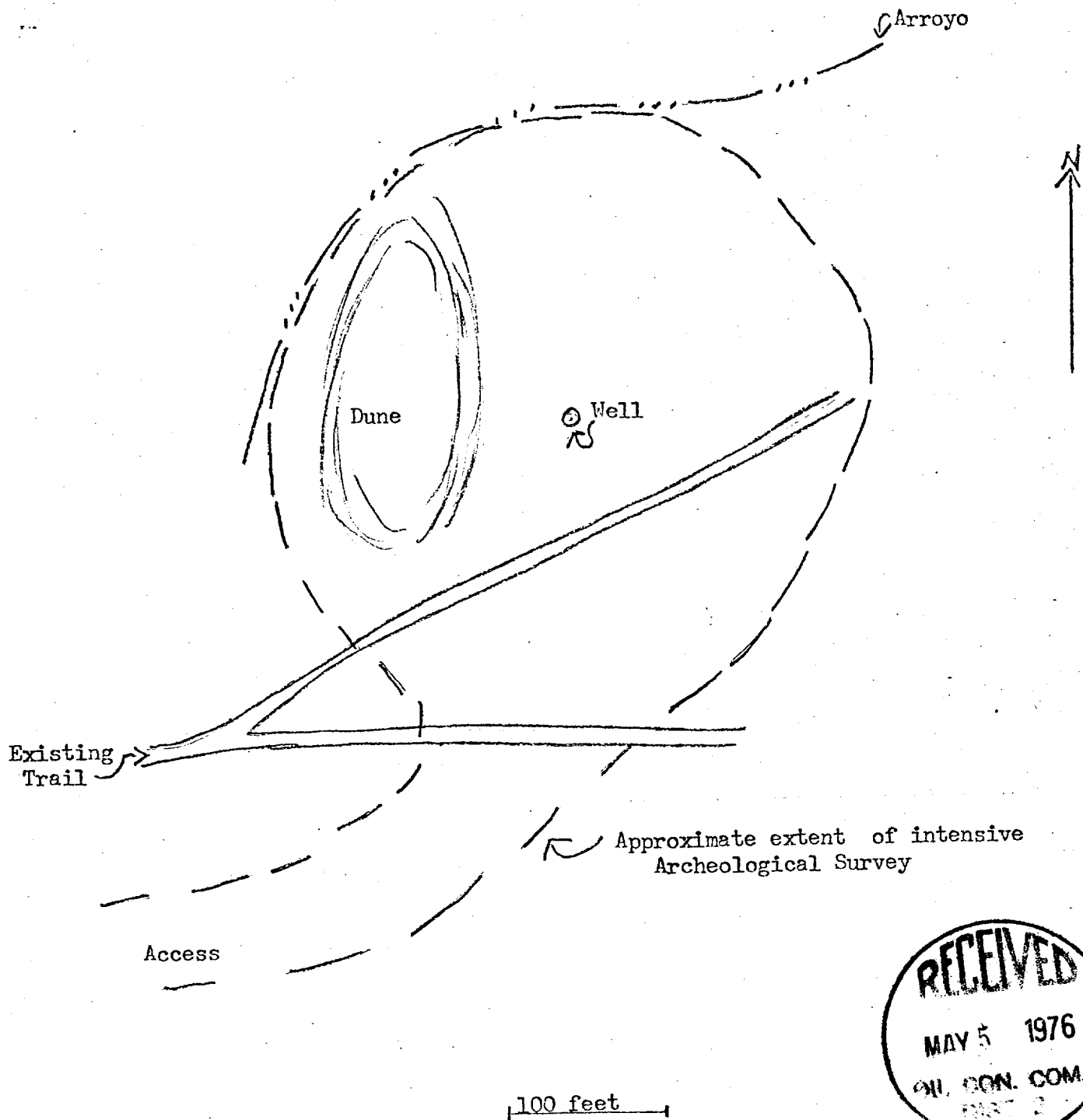


Figure 3  
Vicinity of Proposed Well Fesselman Federal #1



# ENGINEERING & PRODUCTION SERVICE, Inc.

P. O. BOX 190 — PH. 325-1924

FARMINGTON, NEW MEXICO 87401

May 3, 1976

RECEIVED  
MAY 4 1976  
U. S. GEOLOGICAL SURVEY

U. S. Department of Interior  
Geological Survey  
P.O. Box 959  
Farmington, New Mexico 87401

Attention: Mr. Phil T. McGrath  
District Engineer

RE: Development Plan for Surface Use  
Kirby Exploration Company  
Fusselman #1  
990' FWL and 1650 FSL  
Sec 17-26N-12W  
Nipp Picture Cliff

Gentlemen:

Enclosed is the "Application for Permit to Drill" (form #9-331-C) for the captioned well. Also included are the following reports: Archaeological Report, surveyor plat, drill site plat and vicinity map. A visual inspection of the location was made on April 28, 1976 by the following representatives: Mr. R. B. Grove of New Mexico State University, Mr. Brantley Dickey of the Bureau of Land Management, and Mr. Greg Majkrzak with the United States Geological Survey.

The development plan for surface use is as follows:

Points 1, 2, 3, 4, 5, & 10 Vicinity map and drill site plat attached.

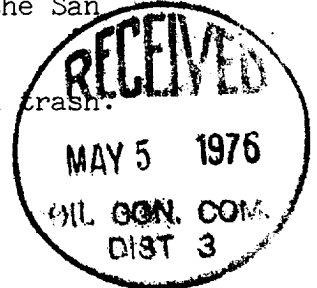
Point 6. Vicinity map. Water for drilling will be obtained from the San Juan River bridge at the south edge of Farmington.

Point 7. A waste disposal pit will be provided for the garbage and trash. Location shown on the drill site plat.

Point 8. No camp.

Point 9. No air strip.

Point 11. If the well is a commercial producer, it will be equipped to facilitate producing operations. All drilling pits will be filled, the location leveled and areas reseeded except that used for day to day operations. In the event the well is a dry hole, all pits will be filled, location and well site reseeded in compliance with Bureau of Land Management specifications. During dry out time required for the reserve pit it will be fenced to eliminate livestock entry.



U. S. Department of Interior  
Geological Survey  
May 3, 1976  
Page 2

Point 12. The drill site is located on a gentle slope on the west bank of the west fork of Gallegos Canyon. The soil is sandy and vegetation consists of rice grass, rabbitbush, snake weed, dropseed, and blue gamma.

Should further information be required, please advise.

Yours truly,

*William T. Jones*

William T. Jones

WTJ;kj

Enclosure

