

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

API 30-095-22052

5. LEASE DESIGNATION AND SERIAL NO.

NM-560223

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Frew - Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Nipp Picture Cliff

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec 20-26N-12W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

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

1800' FSL and 1600' FEL

At proposed prod. zone

same

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

1 mile SW of El Paso Chaco Gas Plant

15. DISTANCE FROM PROPOSED*

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

1600'

16. NO. OF ACRES IN LEASE

2240

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.)

6035 GL

22. APPROX. DATE WORK WILL START*

6-20-76

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	24.0	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.

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 locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED William T. Jones W. T. Jones TITLE Agent DATE 5-3-76

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator KIRBY EXPLORATION COMPANY, INC.			Lease FREW FEDERAL		Well No. 1
Unit Letter J	Section 20	Township 26 NORTH	Range 12 WEST	County SAN JUAN	
Actual Footage Location of Well:					
1800	feet from the	SOUTH	line and	1600	feet from the
Ground Level Elev. 6035	Producing Formation Picture Cliff		Pool Nip. Extension	Dedicated Acreage: 160	Acre 160

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

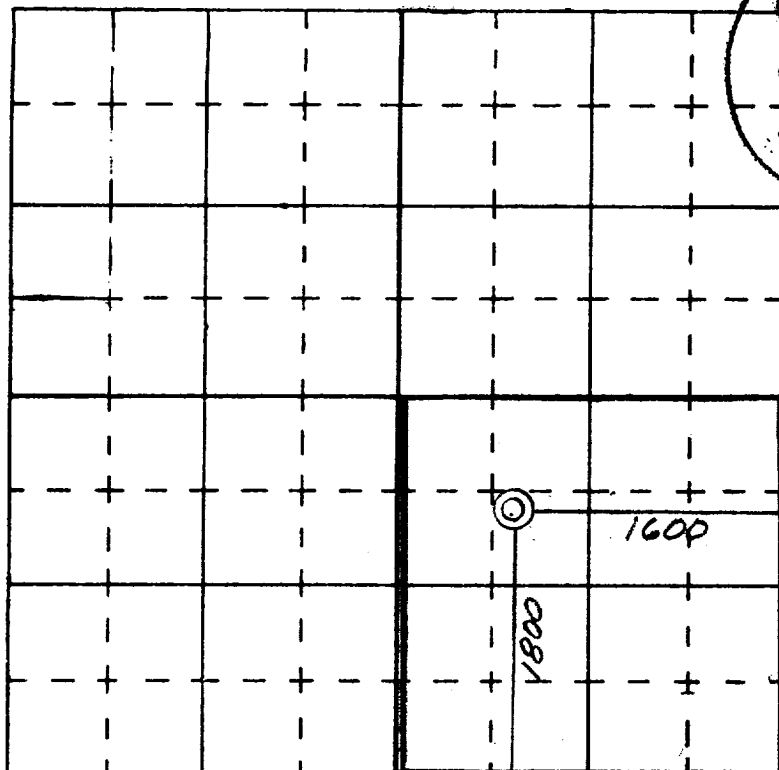
Date Surveyed

James P. Leese
Registered Professional Engineer
and/or Land Surveyor

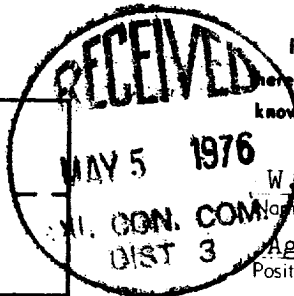
James P. Leese

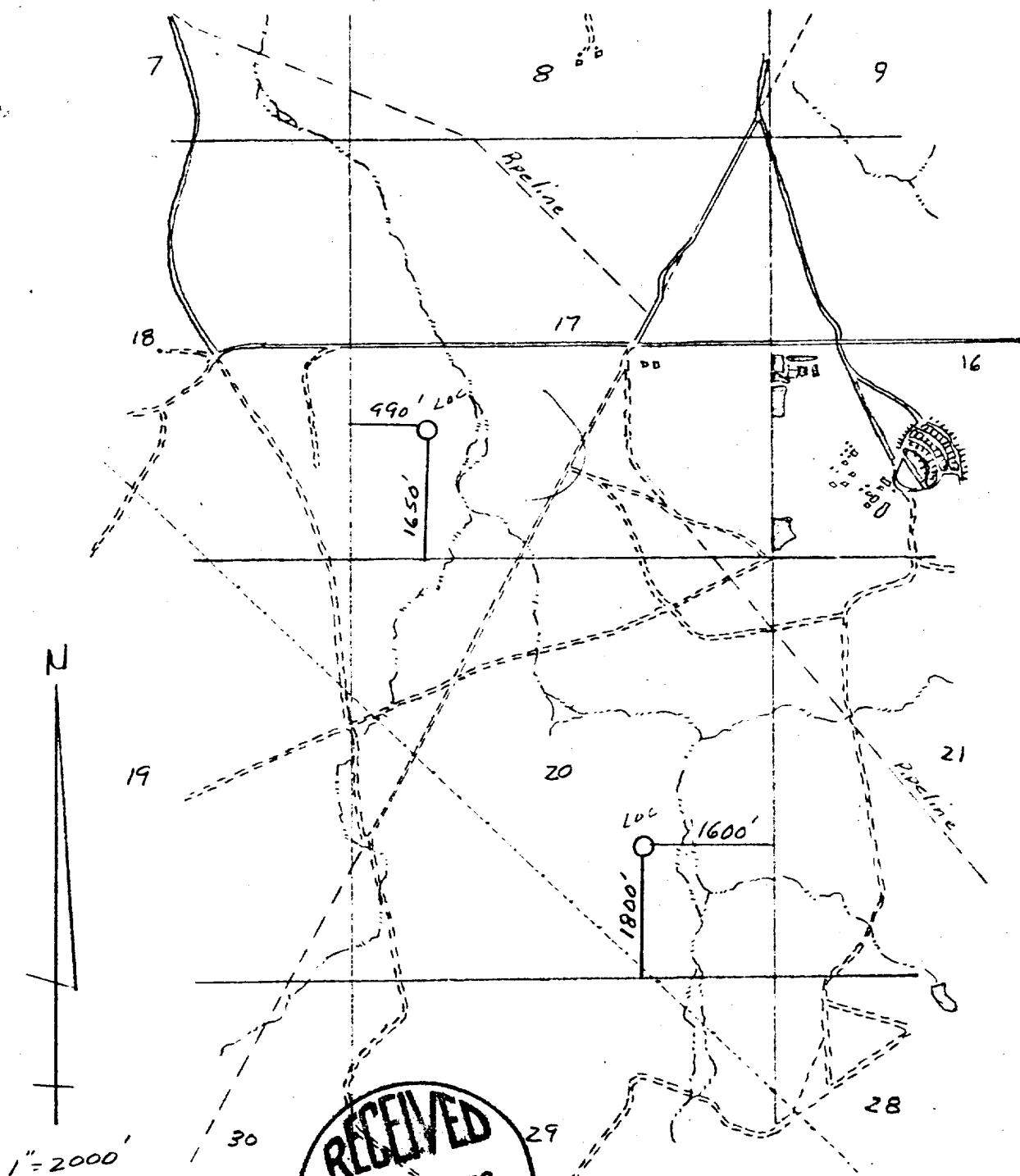
1463

Certificate No.

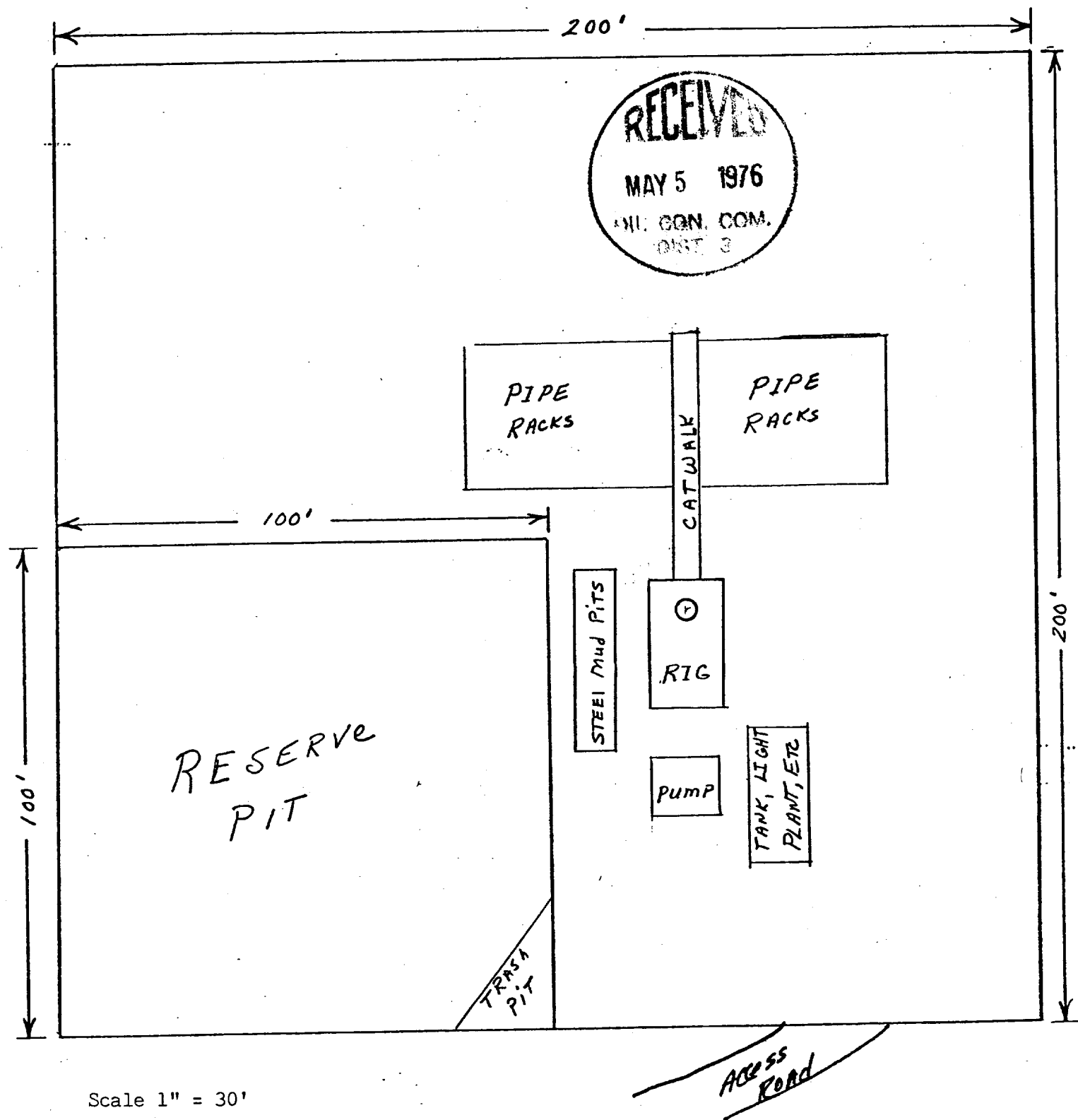


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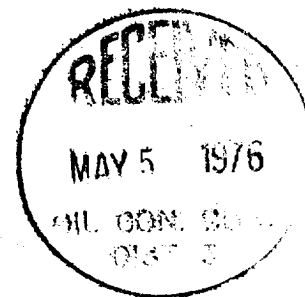


VICINITY Map for
KIRBY EXPLORATION Co., INC.
showing
well location in the SW 1/4 of Sec 17,
and SE 1/4 of Sec 20, T26N, R12W
N.M.P.M., San Juan County, New Mexico
Scale 1"=2000' Date 4/26/76
San Juan Engineering Co.
Farmington, New Mexico



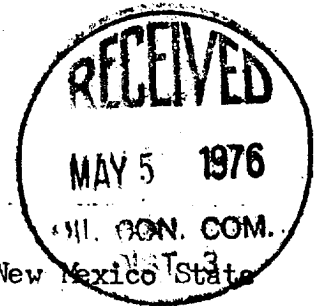
Kirby Exploration Company
Frew Federal #1
1800' FSL and 1600' FEL
Sec 20 - 26N - 12W
Nipp Picture Cliff Extension
San Juan County, New Mexico

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 Frev 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 Frev 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.

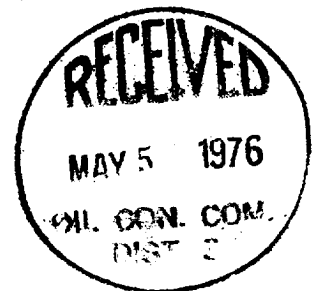
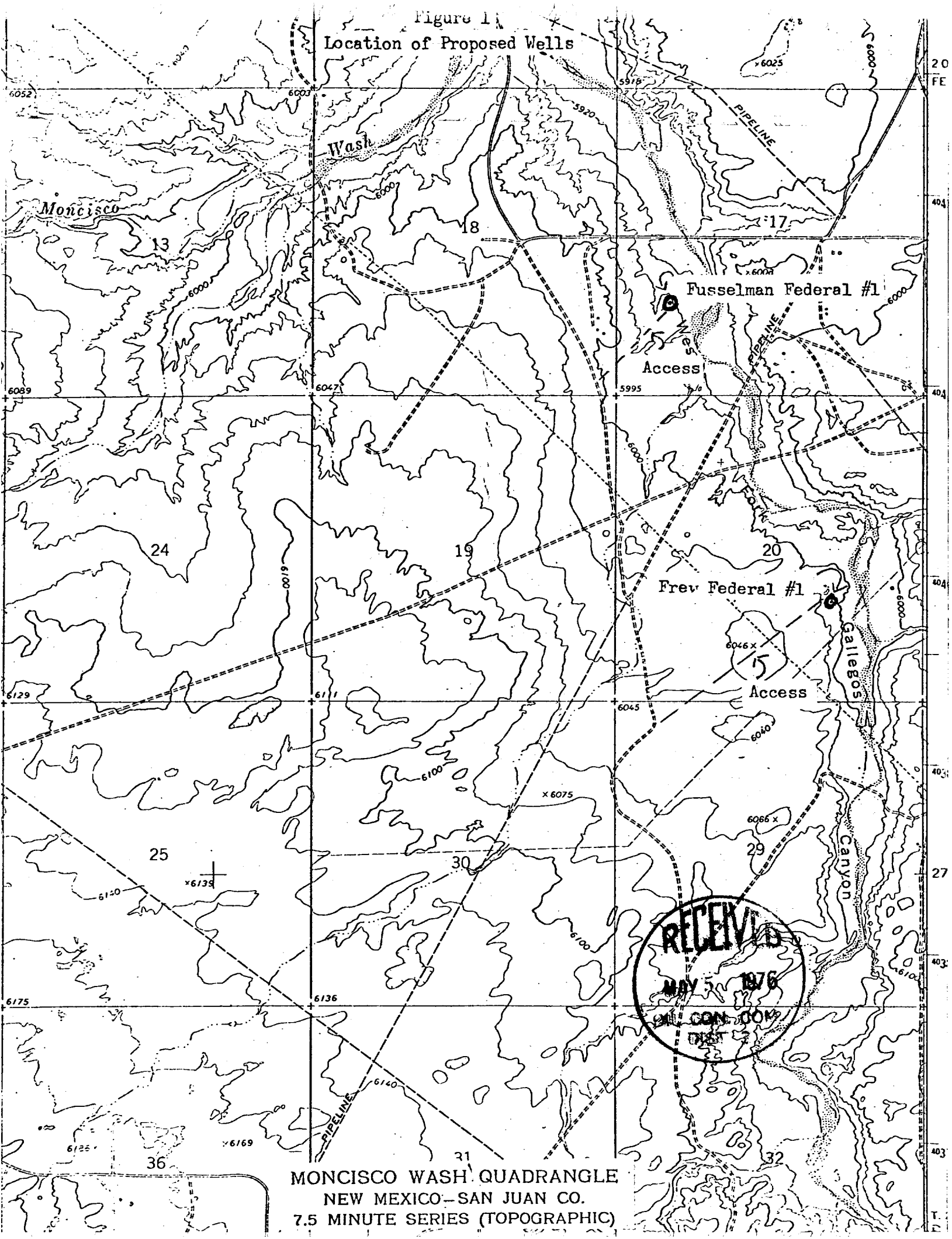
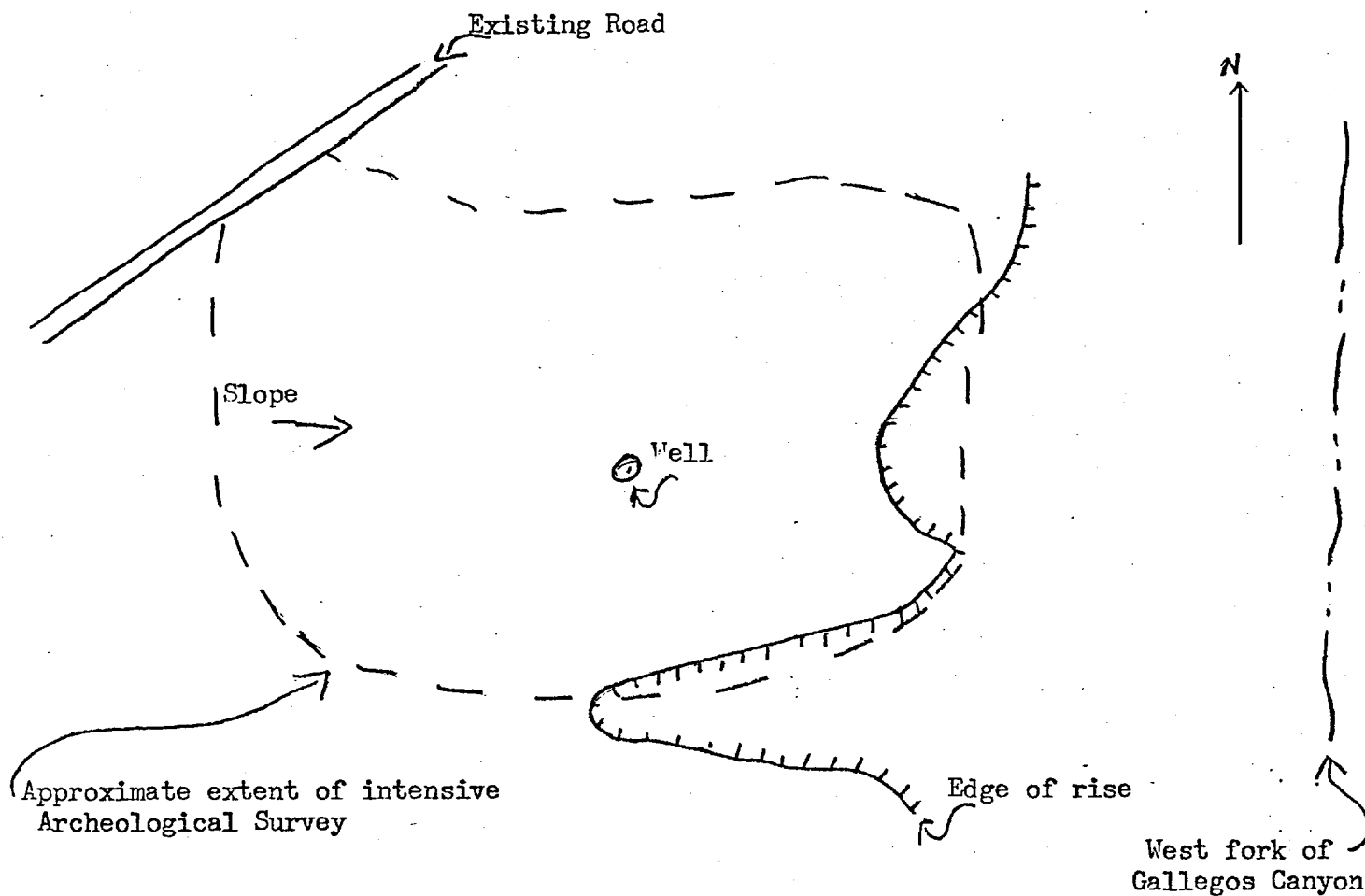


Figure 1
Location of Proposed Wells



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

Figure 2 .
Vicinity of Proposed Well Frev Federal #1



100 feet

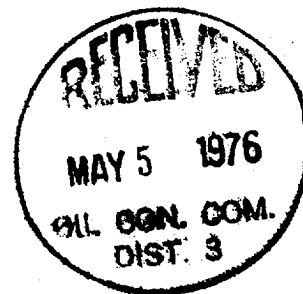
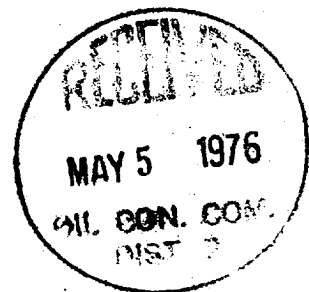
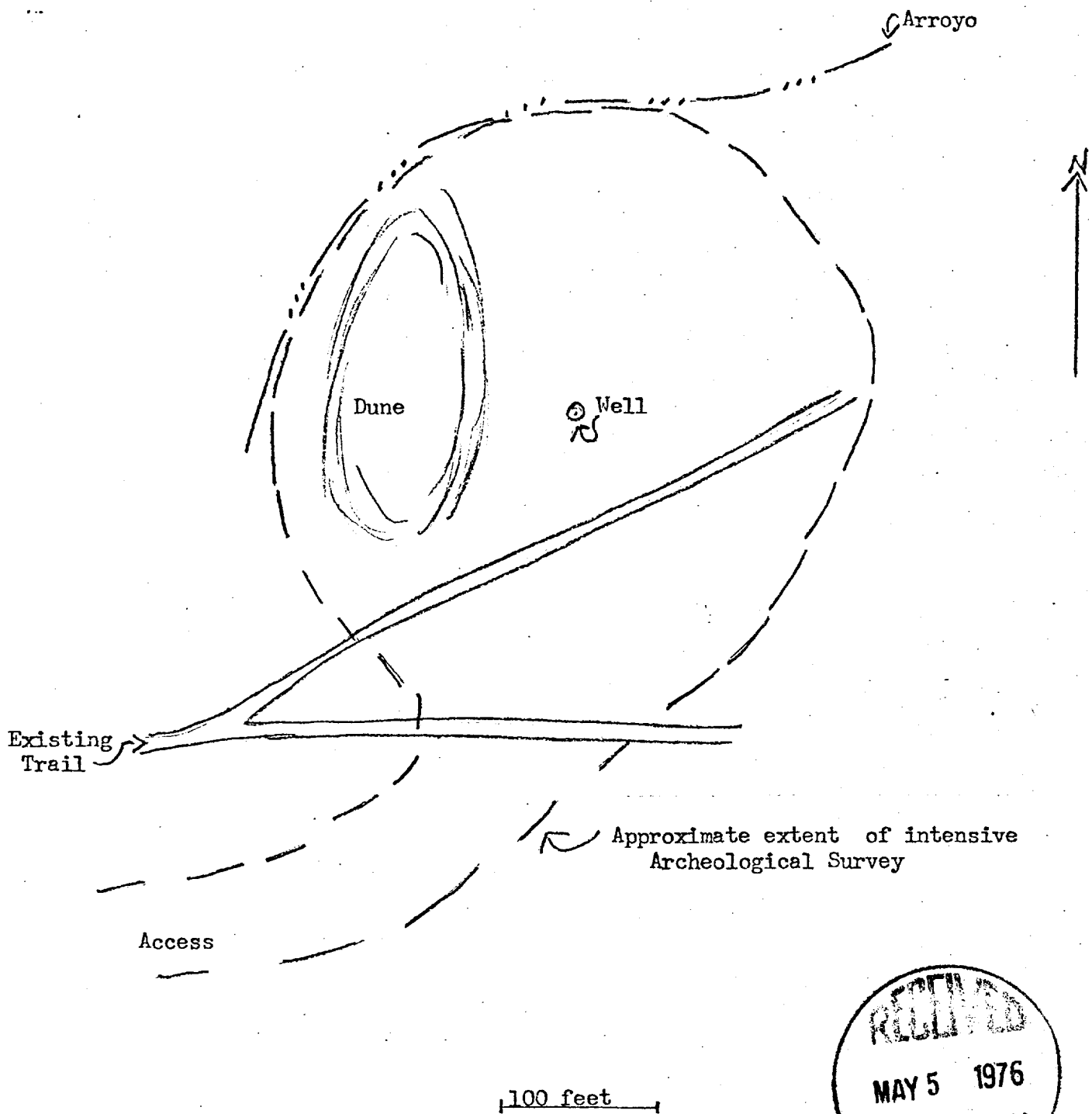


Figure 3
Vicinity of Proposed Well-Fesselman Federal #1



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
FARMINGTON, N. M.

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

Attention: Mr. Phil McGrath
District Engineer

RE: Development Plan for Surface Use
Kirby Exploration Co.
Frew Federal #1
1800' FSL and 1600' FEL
Sec 20 - 26N - 12W
Nipp Picture Cliff Extension

Gentlemen:

Enclosed is the "Application for Permit to Drill" (form #9-331-C) for the subject well. Attached to the application are the following reports: Archaeological Report, surveyor plat, drill site plat and vicinity map. The site was inspected on April 28, 1976 by the following personnel: Mr. R. B. Grove of New Mexico State University, Mr. Brantley Dickey with the Bureau of Land Management, and Mr. Greg Majkrzak of 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 San Juan River at South edge of Farmington.

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

Point 8. No camp.

Point 9. No air strip.

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

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Geological Survey
May 3, 1976
Page 2

Point 12. The drill site is located on a sandy rise on the west bank of the west fork of Gallegos Canyon. The vegetation consists primarily of rice grass, blue gramma and snake weed.

Should further information be needed, please advise.

Yours very truly,

William T. Jones

William T. Jones

WTJ:kj

Enclosures

