

# ENGINEERING & PRODUCTION SERVICE, Inc.

P. O. BOX 190 — PH. 325-1924

FARMINGTON, NEW MEXICO 87401

November 14, 1975

NOV 17 1975

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

Attn: P. T. McGrath  
District Engineer

Re: Development plan for  
surface use.  
Kirby Exploration Co.  
Chaco Monument # 1  
2166' FWL & 990' FSL  
Sec 13-20N-8W  
Wildcat  
McKinley County, N.M.

Gentlemen:

Enclosed please find "Application for Permit to Drill" (form #9-331-C), pertinent to Kirby Exploration Company Chaco Monument #1. Attached to the application are the following reports: Archaeological report, drill site plats, surveyors plat, and vicinity map. Mr. Bob Moore of the BLM and Greg Majkrzak of the USGS have inspected the proposed location.

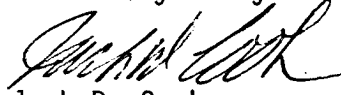
Development plan for surface use is as follows:

- 1, 2, 3, 4, 5 & 10. Vicinity map and drill site plat attached.
6. Water for drilling and completion will be obtained from rancher in the area and trucked to the location.
7. A waste disposal pit will be provided for the garbage and trash. Location shown on drill site plat.
8. No camp.
9. No air strip.
11. Should the well be a commercial producer, it will be equipped to facilitate producing operations with all drilling pits filled, location leveled with reseeding of the area not used for day to day operations. In the event the well would be dry, all pits will be filled, location leveled and well site reseeded in compliance with BLM specifications. During dry out time required for the reserve pit, it will be fenced to eliminate livestock entry.

12. Location is on gentle slope in a flat area. The soil is very sandy with vegetation normal for the climatic conditions. There are no trees on or near the drill site.

Should you desire further information concerning this application, please advise.

Yours very truly

A handwritten signature in cursive script, appearing to read "Jack D. Cook".

Jack D. Cook

JDC/bh

**SAN JUAN COUNTY MUSEUM ASSOCIATION**

**EASTERN NEW MEXICO UNIVERSITY**

**DIVISION OF CONSERVATION ARCHAEOLOGY**

ROUTE 3 • BOX 169  
FARMINGTON, NEW MEXICO 87401

PHONES: 632-2013 • 632-2733 • 632-2777

November 14, 1975

Kirby Exploration Company  
P. O. Box 1745  
Houston, Texas 77001

Gentlemen:

Enclosed you will find our report for archaeological clearance for your proposed oil well Chaco Monument No. 1. Archaeological clearance is recommended if it is moved 100 feet west.

Billing for the survey and report is also enclosed. If you have any questions regarding this report, please feel free to contact this office.

Very truly yours,

Pat Zarnowski  
Division of Conservation Archaeology

Enc.

cc: Phil Kirk, Bureau of Land Management, Farmington.  
Phillip McGrath, United States Geological Survey, Farmington.  
Jim Hill, Allen Construction, Farmington  
✓ Jack Cook, Engineering & Production Service, Inc., Farmington.  
Mr. John Haskell, Division of Conservation Archaeology, Portales.

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Archaeological Clearance Survey Report

for

Kirby Exploration Co.

November 14, 1975

by

Pat Zarnowski

Introduction

The Division of Conservation Archaeology of the San Juan County Museum Association and Eastern New Mexico University recently completed an archaeological clearance survey on land under the control of the Bureau of Land Management south of Chaco Canyon National Monument, to be impacted by the scheduled construction of an oil well.

The survey was initiated at the request of Jack Cook of Engineering & Production Service, Inc. It was administered by Jack Cook representing Kirby Exploration Co. and by Dr. John L. Haskell who served as the principal investigator for the Division of Conservation Archaeology of the San Juan County Museum Association and Eastern New Mexico University.

The field work was conducted on November 12, 1975 by Pat Zarnowski representing the Division of Conservation Archaeology under provisions of permit number 75-NM-006 issued by the Bureau of Land Management. Other representatives in the field were Jack Cook of Engineering & Production Service, Inc. representing Kirby Exploration Co., Jim Hill of Allen Construction, Bob Moore of the Bureau of Land Management, and Greg Majkrzak of the United States Geological Survey.

Survey

The requested archaeological clearance survey involved the following proposed oil well pad located in San Juan County, New Mexico. (For specific details as to location see the attached plats and copy of topographic map and also the recommendation section of this report.)

November 14, 1975

Chaco Monument No. 1: This proposed oil well is to be located on a relatively flat area with some rolling knolls and small drainage gullies which empty to the north into Chaco Wash. The predominate vegetation was Russian-Thistle or tumbleweed (*Salsola kali* L.) and various grasses.

The pad area was surveyed by walking it in a zig zag pattern and visually inspecting the surface. No artifacts were noted on the immediate pad area, but approximately where the northeast corner of the pad would come there is the remains of a stone hogan approximately 6 meters in diameter. There was trash, historic, strewn about. There was also one small trash mound about 20 meters north of the hogan in which several small lithics and ceramic sherds were found. There is a dirt road that runs northeast next to the hogan and on the other side of it there are some more areas where trash is concentrated and remains of possible stone structures are visible. It appears that this dirt road runs through the middle of the occupied area.

To the west of the pad area there is an area that is disturbed also. It is rectangular in shape and in some portions there were remains of stakes or fence posts around the outer edge. There were no animal remains present. The area was littered with historic trash such as broken bottles, rusted tin cans etc. As to its exact use no conclusion can be drawn, but it appears to be rather recent in time.

Because the area where the hogan is located has been disturbed by the existing dirt road and due to the fact that the other area to the west of the proposed pad area is of such a recent time, it is felt that by moving the proposed well approximately 100 feet west that further damage to the hogan area will be avoided. Jim Hill of Allen Construction said that a fence would be erected around the hogan to be sure that no damage by the heavy equipment would occur.

#### Recommendations

<u>Well</u>	<u>Size</u>	<u>Location</u>	<u>Clearance/Status</u>
Chaco Monument No. 1	Pad area: approximately 2 acres	990 feet from the south line and 2,266 feet from the west line in the Southeast $\frac{1}{4}$ of the Southwest $\frac{1}{4}$ of Section 13, Township 20 North, Range 3 West, San Juan County, New Mexico. Map Source: U.S.G.S. Pueblo Pintado 7.5 Minute Quadrangle.	Not Recommended
		If changed to 990 feet from the south line and 2,166 feet from the west line then clearance is recommended	Recommended

Because of the cultural material in the area, as discussed in the survey section, recommendation cannot be given. However, if the well is moved 100 feet west then archaeological clearance is recommended immediately.

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-10  
Supersede C-128  
Effective 1-1-55

All distances must be from the outer boundaries of the Section

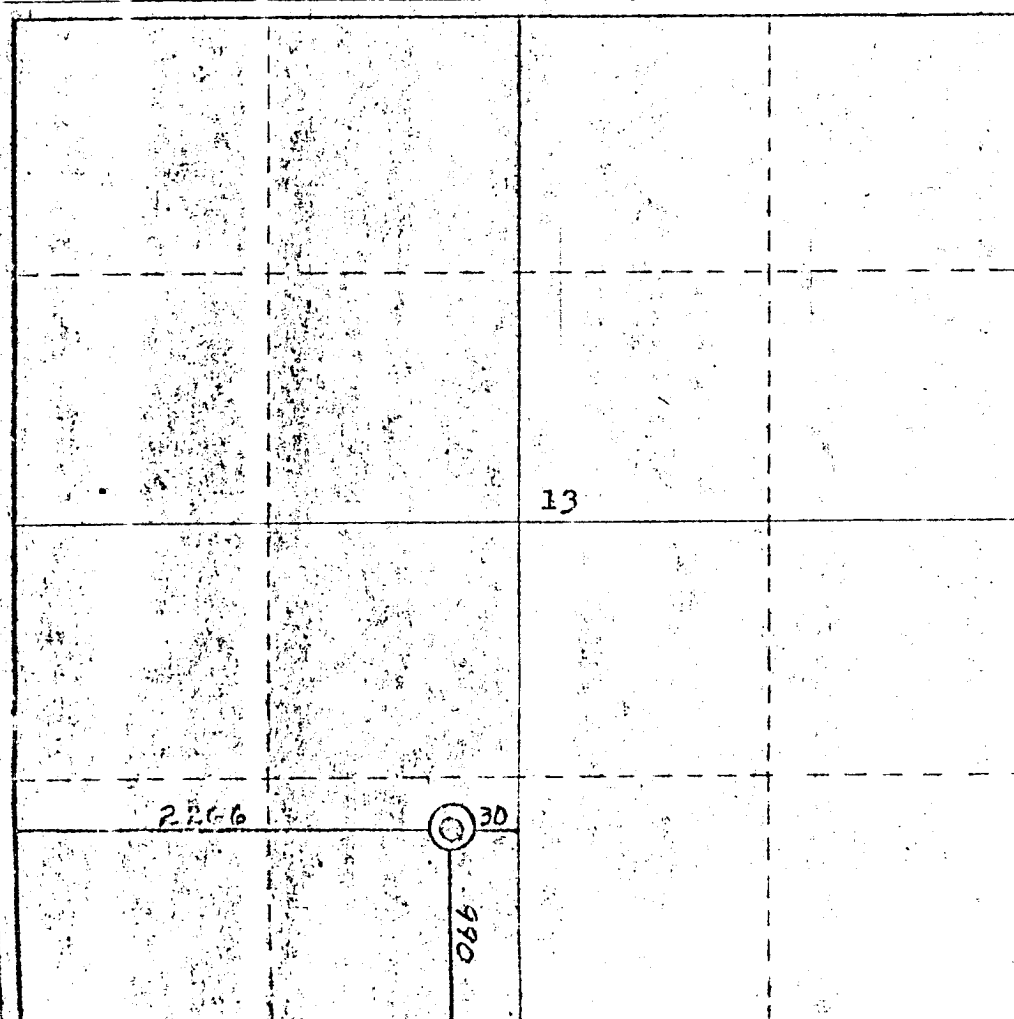
Operator <b>KIRBY EXPLORATION CO.,</b>		Lease		Well No.	
Unit Letter <b>N</b>	Section <b>13</b>	Township <b>20 NORTH</b>	Range <b>8 WEST</b>	County <b>McKINLEY</b>	
Actual Footing Location: Well: <b>2266</b> feet from the <b>WEST</b> line and <b>990</b> feet from the <b>SOUTH</b> line					
Ground Level Elev. <b>6544</b>	Producing Formation		Pool		Dedicated Acreage: Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.

Name

Position

Company

Date

I hereby certify that the information shown on this plat was plotted in the field not in fact. It was 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

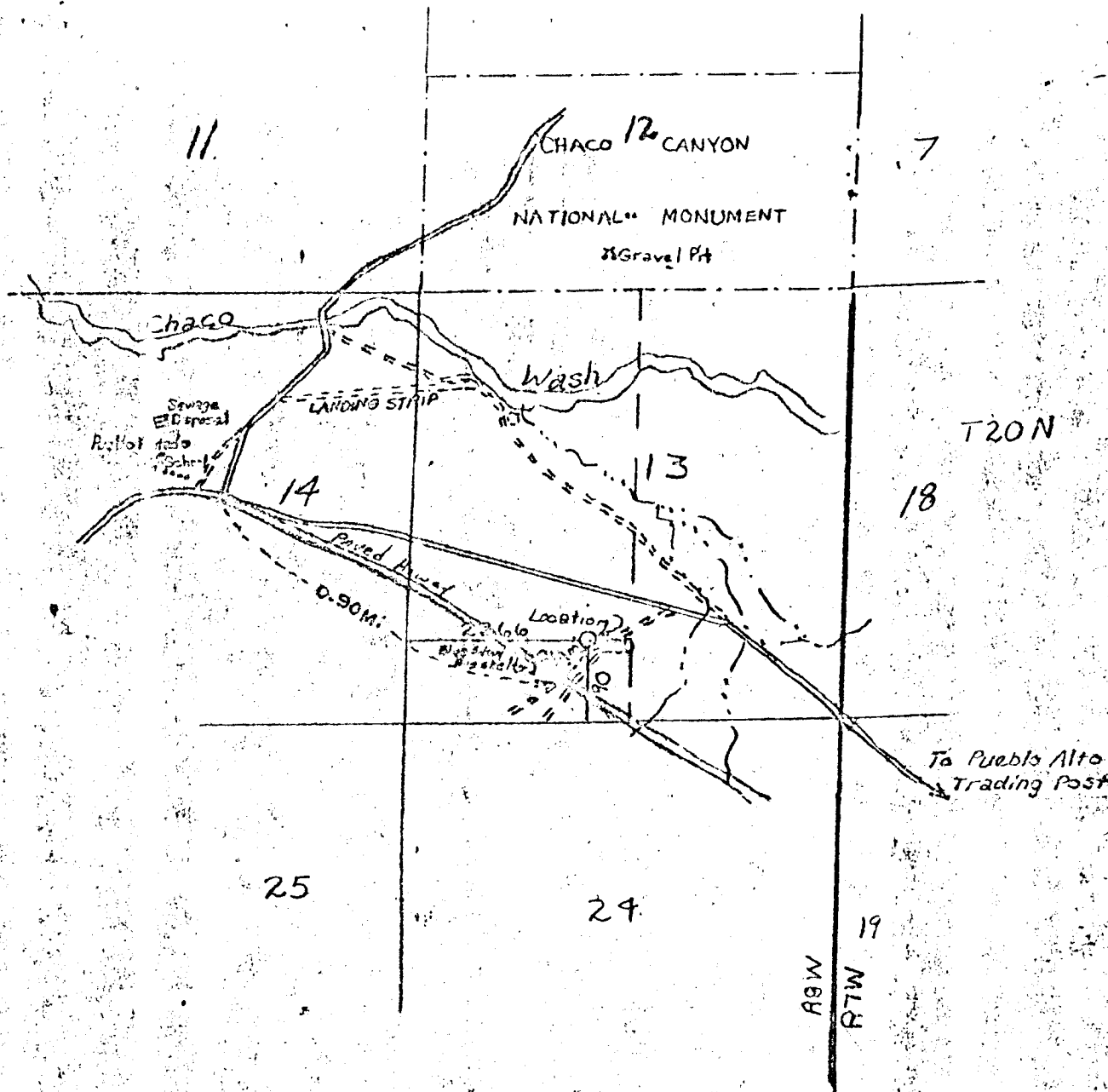
**8 November 1975**

Registered Professional Engineer

*James P. Leese*  
**James P. Leese**

Certificate No.

**1463**



N

1" = 2000'

VICINITY MAP FOR  
KIRBY EXPLORATION CO.  
SHOWING

Well location in the SW 1/4,  
Section 13, T20N, R9W,  
N.M.P.M., San Juan County,  
New Mexico.  
Scale: 1" = 2000' Date: 10 Nov., 1975

San Juan Engineering Co.