

Scale 1" = 30 feet

Kirby Exploration Company  
 Kirby Navajo #1  
 990' FNL & 1550' FEL  
 Sec 29, T31N, R18W  
 Wildcat  
 San Juan County, New Mexico

## Introduction

The Agency of Conservation Archaeology of the San Juan County Museum Association and Eastern New Mexico University recently completed an archaeological clearance survey in the Shiprock area. This land is to be impacted by the scheduled construction of one well and access road by Kirby Exploration Company.

The survey was initiated at the request of Jack Cook of 3E Company, Inc. on November 10, 1976. It was administered by Mr. Bill Jones of 3E Company, Inc. and by Dr. J. Loring Haskell, who serves as the principal investigator for the Agency of Conservation Archaeology in Portales, New Mexico.

The field work was conducted by Ms. Pat Zarnowski of the Agency of Conservation Archaeology in Farmington, New Mexico on November 11, 1976 under provisions of permit number 76-NM-032, which expires on March 7, 1977. Other representatives in the field were Mr. Jack Cook of 3E Company, Inc., Mr. Jim Hill of Allen Construction, and Mr. Moe Seelinger of the United States Geological Survey.

## Survey

The requested archaeological clearance survey involved the one well location described below, located on Navajo Tribal land. For specific details of location please see the attached copy of map and the Recommendations section of this report.

The general survey procedure used was to walk the proposed area of construction in a zigzag manner and to visually inspect the surface for signs of archaeological material. Erosional gullies and arroyos were also inspected for evidence of subsurface cultural remains. Any artifact found initiated a further search to determine whether it was an isolated find or was in association with other artifacts or architectural features. Floral, faunal, and geological observations were made to briefly describe the environmental situation.

### Kirby Navajo No. 1

**Environment:** This well is to be located in a very barren area north of the San Juan River and east of Malpais Arroyo. There is very little vegetation here. Rabbitbrush (Chrysothamnus nauseosus), and two species of shadscale (Atriplex sp.) are scattered in the area. Siltstone, which is decomposing, is exposed in some places. The terrain is that of rolling knolls transected by many gullies and arroyos. There are two proposed locations for this well. At the time the survey was done it was not known which would be drilled. The first location is at the edge of a plugged well and much of the area is disturbed. There is a fairly large hill of cobblestone on the southern side of the pad area with a carin of stones on top. The second or alternate location is about 1000 feet to the southwest in a flat area on a peninsula of Malpais Arroyo.

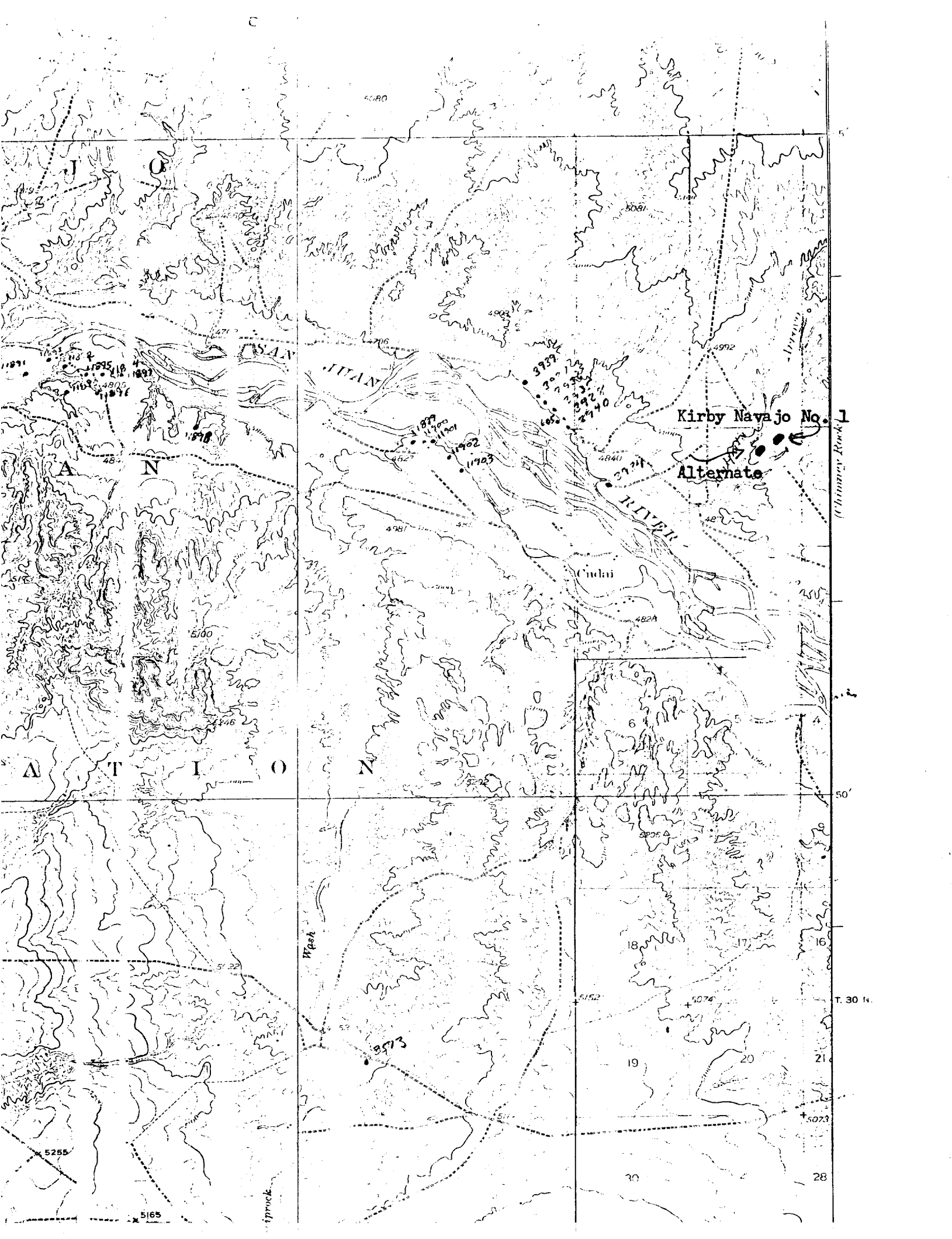
Cultural resources: None

Recommendations

<u>Well</u>	<u>Area</u>	<u>Location</u>	<u>Clearance Status</u>
Kirby Navajo No. 1	Pad: 200' x 200' Road: Existing	585' from the North line, 990' from the East line in the North- west $\frac{1}{4}$ of the Northeast $\frac{1}{4}$ of the Northeast $\frac{1}{4}$ of Section 29, Town- ship 31 North, Range 18 West, San Juan County, Utah.	Recommended
	Pad: 200' x 200' Road: 30' X 1000' (Approximate)	Alternate: 990' from the North line and 1,550' from the East line in the Southeast $\frac{1}{4}$ of the North- west $\frac{1}{4}$ of the Northeast $\frac{1}{4}$ of Sec- tion 29, Township 31 North, Range 18 West, San Juan County, Utah.	Recommended

Map source: U. S. G. S. 15 minute  
Rattlesnake quadrangle.

Due to the lack of cultural material in the area surveyed it is recom-  
mended that archaeological clearance be granted for this well. It is  
felt that there will be neither direct nor indirect impact to our cul-  
tural resources.



Kirby Navajo No. 1  
Alternate

Chimney Rock

Cudai

50'

T. 30 N.

5023

28

Wash

iprock

5255

5165

3973

19

20

21

30

A T I O

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J

TITAN RIVER

TITAN RIVER

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Kirby Navajo #1  
990' FNL & 1550' FEL  
Sec 29, T31N, R18W 19 W  
Wildcat

ENGINEERING CO.  
P.O. Box 752  
FARMINGTON, N. M.

R 18 W  
NEW MEXICO-COLORADO  
RATTLESNAKE QUADRANGLE

San Juan County, New Mexico  
TRACTS SURVEYED BY ECHOHAWK DEC. 1956



# 3E COMPANY, INC.

*Engineering • Energy • Exploration*

P. O. Box 190    --    505/327-4021

FARMINGTON, NEW MEXICO 87401

November 18, 1976

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  
Kirby Navajo #1  
990' FNL. & 1550' FEL  
Sec 29, T31N, R18W  
Wildcat  
San Juan County, New Mexico

Gentlemen:

Attached for your approval is the "Application for Permit to Drill" (form #9-331C) for the subject well. Also enclosed as support data are the following reports and plats: archaeological report, surveyor's plat, drill site plat and vicinity map. The location site has been inspected by Ms. Pat Zarnowski of the Agency of Conservation Archaeology and Mr. M. L. Seelinger of the U.S.G.S.

The development plan for surface use is as follows:

Points 1, 2, 3, 4, 6, and 9 Vicinity map and drill site plat attached.

Point 5 Water for drilling will be trucked and/or pumped from the San Juan River approximately 1 3/4 miles to the South.

Point 7 A waste disposal pit will be provided for the garbage and trash. Location shown on drill site plat. Drilling fluids will be contained in the reserve pit until such time as evaporation occurs and then the pits will be covered. During this dry out time the pit will be fenced to eliminate livestock entry.

Point 8 No camps or airstrip

Point 10 Should the subject well be a commercial producer, it will be equipped to facilitate producing operations, with all drilling pits filled, the location leveled, with the reseeding of the area not used for day to day operations. In the event the well is a dry hole, all pits will be filled, location leveled and reseeded. All reseeding will be done between July 1 and September 15, with equipment specified by the U.S.G.S. The seed mixture will be that specified for Area III of the Farmington Resource Area.

Point 11 Topography is rolling hills with deep gullies traversing the lease on the east and to the south. Some erosion in gully form has occurred likewise to the west. The location is in an open semi flat area being the most logical and accessible for a drill site. Vegetation is very sparse with no trees present.

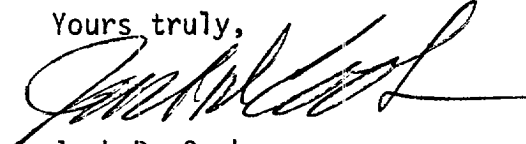
Point 12  
Jack D. Cook  
3E Company, Inc.  
P.O. Box 190  
Farmington, New Mexico 87401  
505-327-4020

Point 13 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 Kirby Exploration Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

November 18, 1976

  
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Jack D. Cook, Agent

Should further information be required, please advise.

Yours truly,  
  
Jack D. Cook

JDC:st

Attachments