APPROVED BY CONDITIONS OF APPROVAD, IF ANY:

## SUBMIT IN TRIPLICATE\*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

DATE \_\_\_\_

# **UNITED STATES**

	UNIT DEPARTMENT	ED STATES		reverse side)	20 -0 45 - 6 5. LEASE DESIGNATION	
		GICAL SURVE			· ·	and serial no.
APPLICATIO	N FOR PERMIT T			LUG BACK	NM 12021 6. IF INDIAN, ALLOTTE	E OR TRIBE NAME
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Dietrich Explo	ration Company,	Inc.		<u> </u>	9. WELL NO.	
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	AND DIRECTION FROM NEAR		075102		San Juan	New Mexico
20 miles Sou	th of Farmington	<u> </u>	16. NO. OF ACRES IN	LEASE   17. NO.	OF ACRES ASSIGNED	7
LOCATION TO NEARES PROPERTY OR LEASE	LINE, FT. 7	90'	320	160	THIS WELL	:
(Also to nearest dri 18. DISTANCE FROM PRO	POSED LOCATION®		19. PROPOSED DEPTH	20. кот	ARY OR CABLE TOOLS	-
TO NEAREST WELL, I OR APPLIED FOR, ON TE	DRILLING, COMPLETED, HIS LEASE, FT.	060'	1500	l Rot	tary	
21. ELEVATIONS (Show where the state of the	nether DF, RT, GR, etc.)			;	22. APPROX. DATE W	OBK WILL START
23.	P	ROPOSED CASING	AND CEMENTING	PROGRAM	<u> </u>	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOO	T SETTING D	EPTH	QUANTITY OF CEMI	SNT
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4 3/4"	2 7/8"	6.7	1500 <b>'</b>	100	sacks	
			İ	:		•
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			101	3 1916	U. S. GEOLOGICAL FARMINGTON N	SURVEY
zone. If proposal is to preventer program, if a	E PROPOSED PROGRAM: If a drill or deepen directions my.	proposal is to deepe ally, give pertinent	n or plug back, give data on subsurface l	data on present pro cations and measur	ed and true vertical dep	the. Give blowout
BIGNED Alelle	in T. Jenay. T. J	ones TITL	<u>Agent</u>		DATE 7-7	-76
(This space for Fed	eral or State office use)					•
PERMIT NO.			APPROVAL DATE			· · · · · · · · · · · · · · · · · · ·

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

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No.		
DIETRICH EXPLORATION CO.	· FEDERAL	3		
Unit Letter Section , Township	Range County			
P 27 27 NORTH	13 WEST   SAN JUAN	•		
ictual Footage Location of Well:				
790 feet from the SOUTH line and	790 feet from the EAST	line .		
bround Level Elev. Producing Formation	Pool	Dedicated Avereage:		
6140 Picture Cliff	WAW est	160 Acres		
<ul> <li>2. If more than one lease is dedicated to the well, outlinterest and royalty),</li> <li>3. If more than one lease of different ownership is dedictly communitization, unitization, force-pooling, etc?</li> <li>( ) Yes (x) No If answer is "yes," type of communitization.</li> </ul>	cated to the well, have the interests of all	owners been consolidated		
If answer is "no," list the owners and tract descriptions w necessary.)	which have actually consolidated. (Use re	verse side of this form if		
No allowable will be assigned to the well until all interests pooling, or otherwise) or until a non standard unit, elimina	have been consolidated (by communitize ating such interests, has been approved by	ation, unitization, forced- the Commission		

# 27 | N

# I hereby certify that the information contained herein is true and complete knowledge and belief. W. T. Jones Agent Position Dietrich Exploration Co Company July 8, 1976 I hereby certify that the well location this plat was plotted from field notes that the same is true and corresp knowledge and belief. 24 June 1976 Date Surveyed Registered Professional Engineer and/or Land Surveyor/James P. Leese

1463

Certificate No.

CERTIFICATION

Archaeological Clearance Survey Report

for

Dietrich Exploration Co.

### Location

Federal No. 3

### Submitted by

Dr. J. Loring Haskell Operations Director and Principal Investigator Agency of Conservation Archaeology

Prepared by

Pat Zarnowski

JUL 1976

June 25, 1976

### Introduction

The Agency of Conservation Archaeology of the San Juan County Museum Association and Eastern New Hexico University recently completed an archaeological clearance survey in the Hugh Lake area to be impacted by the proposed construction of a well and access road by Dietrich Exploation Company.

The survey project was initiated at the request of Bill Jones of the Three "E" Company on June 22, 1976. It was administered by Mr. Jones and by Dr. J. Loring Haskell, who serves as the principal investigator for the Agency of Conservation Archaeology.

The field work was conducted by Pat Zarnowski of the Agency of Conservation Archaeology on June 23 and June 24, 1976 under provisions of Bureau of Land Management Permit No. 76-NM-023. Other representatives in the field were Pob Moore of the Bureau of Land Management, Ray Swanson of the United States Geological Survey, and Bill Jones of the Three "E" Company.

### Survey

The requested archaeological survey involved the one well location described below. It is located on land under the control of the Bureau of Land Management. For specific details as to location, please refer to the attached copies of maps and plats and the recommendations section of this report.

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

Federal No. 3: The area where this well is to be constructed is on the bluffs south of Farmington and on the west side of Gallegos Canyon. The topography was that of rolling knolls with ridges of sand dunes. The well itself is to be located in a large sand dune blowout area with smaller sand dunes ringing it on the north, south and east. As to vegetation Morman tea, Ephedra viridis, snakeweed, Gutierrezia sarothrae, and prickly pear cacti, Opuntia sp., were the prdominant plants. Purple beardtongue, Penstemon pachyphyllus, was found to be growing in the very sandy areas. Evidence that cattle had been grazing in the area was noted.

Cultural resources: Four lithic waste flakes were found in one small old out area. Three appeared to be from the same stone and one was of actrifi wood. The adjacent areas were inspected, but these seem to be isolated.

1 1/4 197

### Lecommendations

Although four lithics were found off the pad area, they were isolated artifacts and cannot be classified as a site. Also the pad for this well is going to be quite small and it is felt that no impact would occur as a result of the construction of this well. Therefore it is recommended that archaeological clearance be granted.

Well

### Area

### Location

### Clearance Status

Federal No. 3

Pad: Approximately 100 feet by 75 feet.

Road: 30 feet by approximately 300 feet.

790 feet from the South line and 790 feet from the East line in the Southeast \(\frac{1}{4}\) of the Southeast \(\frac{1}{4}\) of Section 27, Township 27 North, Range 13 West, San Juan County, New Mexico. Map source: U.S. G.S. Hugh Lake 7.5 minute quadrangle.

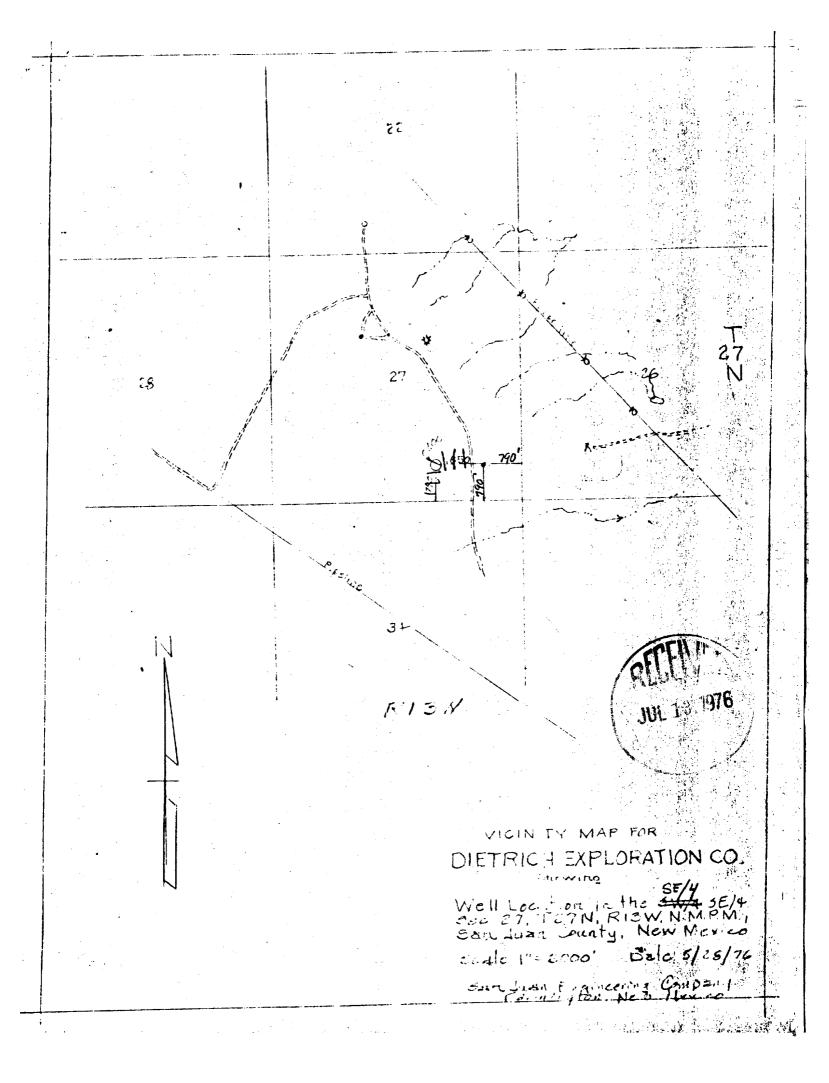
Recommended

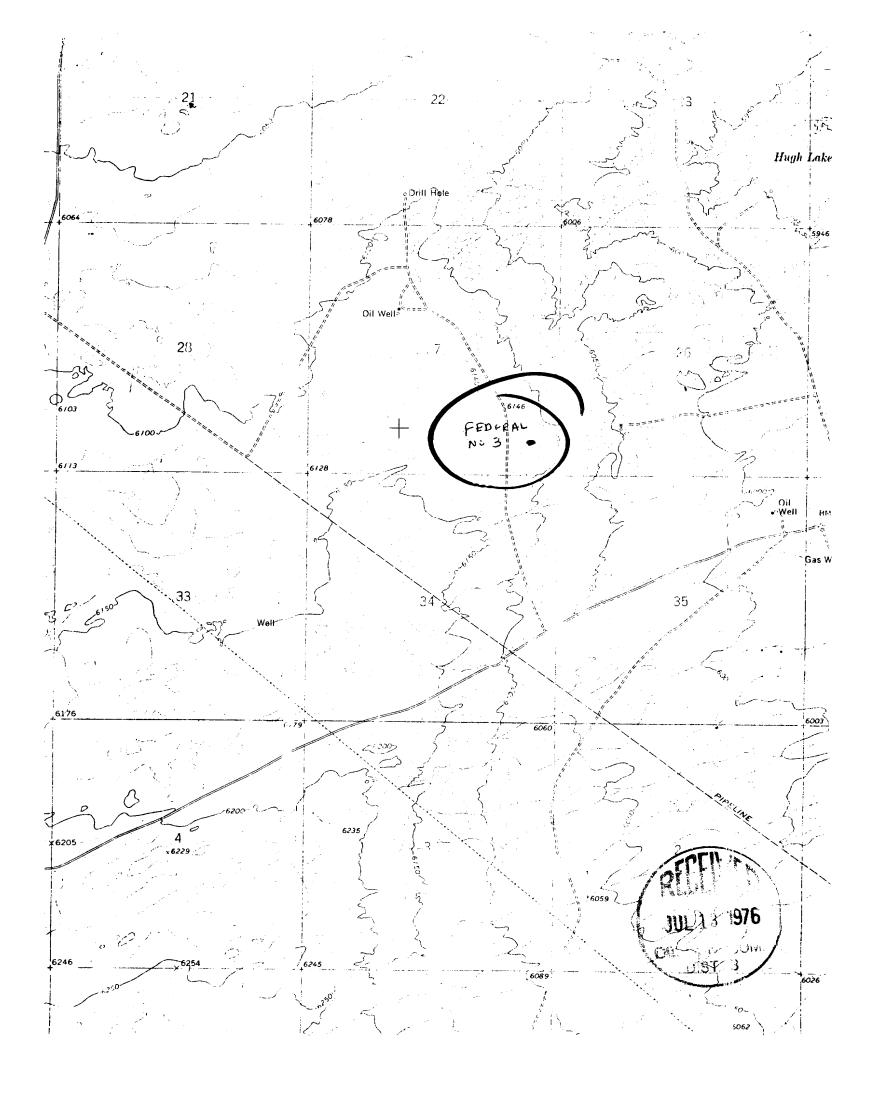


# NEW MEXICO OILLLONSERVATION LOMAISSION WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

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# AGENCY OF CONSERVATION ARCHAEOLOGY

San Juan County Museum Association Eastern New Mexico University

Director

Dr. C. Irwin-Williams

**Executive Director** 

Dr. G. A. Agogino

Operations Director

Dr. J. Loring Haskell

Services

**Planning** 

Archaeological Survey

Excavation

Analysis

Reporting

Research

Laboratories 1

Laszlo Vertes Laboratory

Ceramic Analysis

Paleo-Botanical Analysis

Kay Irwin Laboratory

Lithic Analysis

Obsidian Hydration Dating

San Juan County Archaeological

Research Center

Cemmic Analysis

Lithic Analysis

Paleo-Botanical Analysis

Anthropological Computer Services

Center

Reporting and Publication Division

Eastern New Mexico University Contributions in Anthropology-Series Dietrich Exploration Co. 602 Midland Savings Building 444 17th Street Denver, Colorado 80202

Gentlemen:

June 25, 1976

You will find enclosed our report for archaeological survey for your proposed well, Federal No. 3. It has been recommended that archaeological clearance be granted. The Bureau of Land Management will send you final clearance for this. Also enclosed is our bill for this service.

If there are any questions in this regard, please contact our office any time. We appreciate your business and hope you will call on us again when you need archaeological survey work performed.

Very truly yours,

Pat Zarnowski Agency of Conservation Archaeology

Enc.

cc: Phil Kirk, Burea of Land Management, Farmington. Phil McGrath, U.S.G.S., Farmington Stewart Peckham, State Archaeologist, Santa Fe. Tom Merlan, State Planning Office, Santa Fe. J. Loring Haskell, A.C.A., Portales Charles McKinney, Dept. of Interior, Wash D.C.

Offices

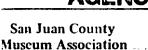
Eastern New Mexico University Portales, New Mexico 88130 (505) 562-2915

233 Chama N. E. Albuquerque, New Mexico 87108 (505) 265-7164

San Juan County Arch. Res. Center Rte. 3, Box 169 Farmington, New Mexico 87401 (505) 632-2733



# AGENCY OF CONSERVATION ARCHAEOLOGY



Eastern New Mexico
University



June 25, 1976

Director

Dr. C. Irwin-Williams

Executive Director

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Anthropological Computer Services

Center

Reporting and Publication Division

Eastern New Mexico University Contributions in Anthropology-Series Dietrich Exploration Co. 602 Midland Savings Building 444 17th Street

Denver, Colorado 80202

This is to bill you for archaeolgical survey performed on June 23 and June 24, 1976 for the following location:

Federal No. 3

Fee for two, half days in the field - - -

Fee for half day in the office --

\$120.00 60.00

Total

\$180.00

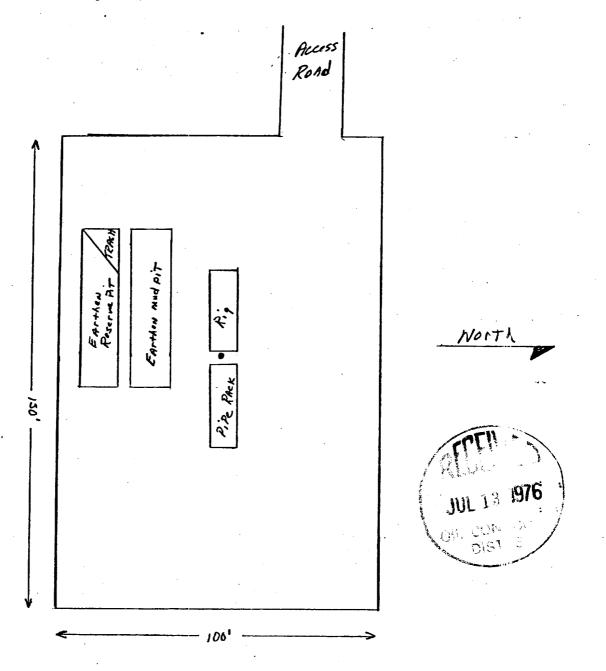
Please make check payable to the San Juan County Museum Association



Offices

Eastern New Mexico University Portales, New Mexico 88130 (505) 562-2915 233 Chama N. E. Albuquerque, New Mexico 87108 (505) 265-7164

San Juan County Arch. Res Center Rte. 3, Box 169 Farmington, New Mexico 87401 (505) 632-2733



Scale 1"= 30"

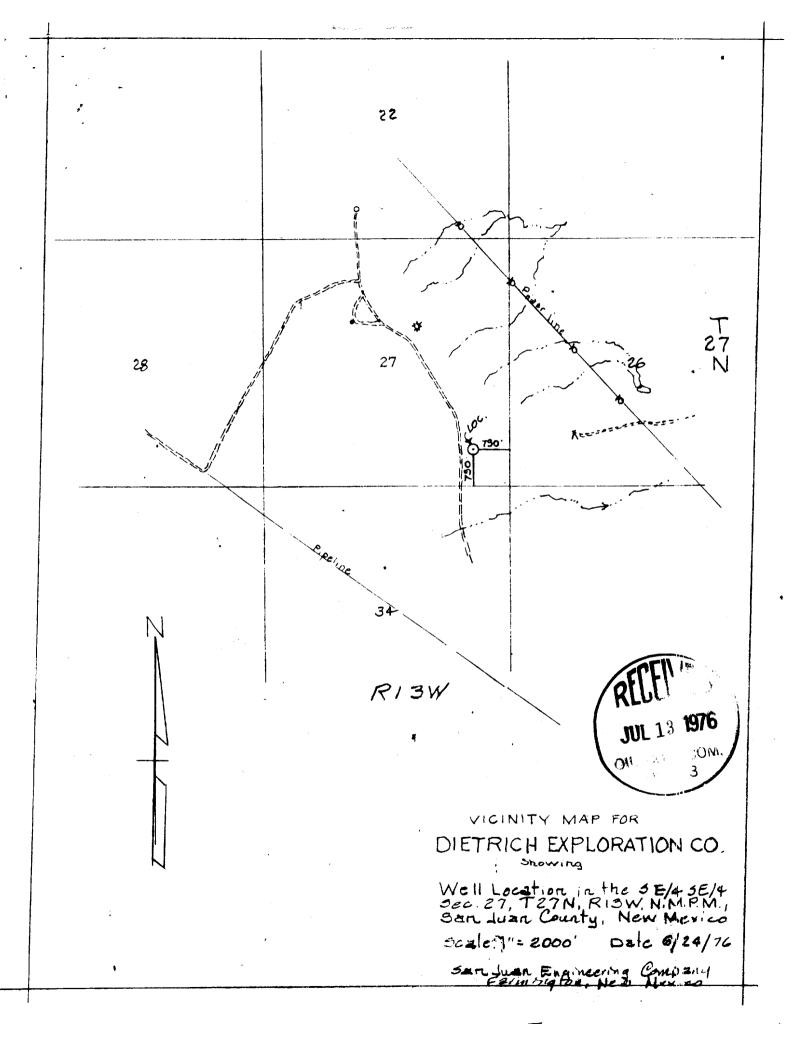
DIETRICK EXPLORATION CO.

Federal NO 3

790' FSL. 790' FEL

Sec 27, T 27N, RISW

SAN JUAN COUNTY, NEW MARKE



# 3E COMPANY, INC.

Engineering • Energy • Exploration

P. O. Box 190 -:- 505/327-4020

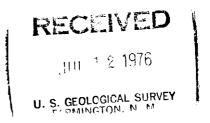
FARMINGTON, NEW MEXICO 87401

July 7, 1976

US Department of Interior Geological Survey P.O. Box 949 Farmington, N.M. 87401

Attention: Mr. P. T. McGrath

District Engineer



RE: Development Plan for surface Use Dietrich Exploration Co., Inc.

Federal #3

790' FSL and 790' FEL Sec 27- 27N - 13W WAW Picture Cliff

San Juan County, New Mexico

### Gentlemen:

Attached is the "Application for Permit to Drill" (form #9-331C) for the subject well. Attached to the application are the following reports: archaeological report, surveyors plat, drill site plat and vicinity map. The well was originally staked on May 28, 1976, but was restaked on June 24, 1976 due to request by the Bureau of Indian Affairs to move the location from a proposed field under the Navajo Irrigation Project. Mr. Bob Moore of the BLM, Mr. Ray Swanson of the USGS and Ms. Pat Zarnowski of the Agency of Conservation Archaeology have inspected the site.

The development plan for surface use is as follows:

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

Point 5 Water for dilling will be trucked from the San Juan River approximately 15 miles to the North.

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 reserve pit until such time as evaporation occurs and then pits will be covered.

Point 8 No camps or airstrip.

