

A. R. KENDRICK

P. O. BOX 516 • AZTEC, NEW MEXICO 87410 • (505) 334-2555

OIL CONSERVATION DIVISION
RECEIVED

August 31, 1990

'90 SEP 5 AM 8 49

Mr. Michael Stogner
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Re: Application for Non-Standard Location
Bannon Energy, Inc.
Federal 14 #6
1153' FSL 1230' FWL, M-14-T23N-R7W
Lybrook Gallup Oil Pool
Rio Arriba County, New Mexico

Dear Mr. Stogner:

Enclosed are copies of the waiver letters from BCO, Inc. and the Giant Exploration and Production Company, the only offset operators to the subject application.

Does this shorten the 20-day waiting period for this application?

If you need further data, please contact us.

Yours very truly,


A. R. Kendrick

Enclosures

cc: Bannon Energy, Inc.

Giant Exploration and Production Company

P. O. Box 2810
Farmington, New Mexico 87499-2810

Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Re: **Waiver of Objection**

To: Application for Non-Standard Location
Bannon Energy, Inc.
Federal 14 #6
1153' FSL 1230' FWL
Section 14, Township 23 North, Range 7 West
Lybrook Gallup Oil Pool

Gentlemen:

We, Giant Exploration and Production Company, an offset owner, hereby waive objection to the application for the non-standard location of the Bannon Energy, Inc. Federal 14 #6 well to be located 1153' FSL 1230' FWL of Section 14, Township 23 North, Range 7 West, Lybrook Gallup Oil Pool, Rio Arriba, New Mexico.

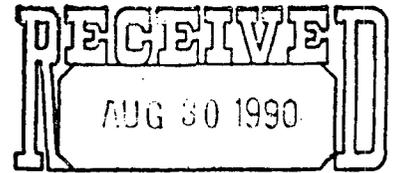
Yours very truly,

Giant Exploration and Production Company

By: John C. Corbett

Date: 8/29/90

BCO, Inc.
135 Grant
Santa Fe, New Mexico 87501



BCO, INC.

Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

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Yours very truly,

BCO, Inc.

By: Harry L. Bigler

Date: Aug. 30, 1990

Project No. 169-90-C

Cultural Resource Use Permit
7-2920-90-U (NM BLM)
Navajo Nation Permit B8990

An Archaeological Survey of
the Proposed Bannon Federal 14-6 Well Pad
and Access Road Located South
of Lybrook, Rio Arriba County, New Mexico
T23N, R7W, Section 14

for

Bannon Energy, Inc.

by

Cindy J. Bunker
Supervisory Archaeologist

Submitted by

Byron P. Johnson
Director

DIVISION OF CONSERVATION ARCHAEOLOGY

Technical Report No. 2032
San Juan County Archaeological Research Center and Library

June 26, 1990

ABSTRACT

On April 3, 4, and 27 and May 5, 1990, the Division of Conservation Archaeology of the San Juan County Museum Association completed an archaeological survey of the proposed Bannon Federal 14-6 well pad and access road for Bannon Energy, Inc. The survey area is located south of Lybrook, Rio Arriba County, New Mexico and is partly under the jurisdiction of the Bureau of Land Management and partly under the jurisdiction of the Navajo Nation with a fee surface and Federal minerals. Approximately 18.28 acres were intensively inventoried.

Three sites and two isolates were encountered and recorded during survey of the project area. The isolates and two of the sites are located near the proposed well pad with the remaining site located on the abandoned well pad.

The documentation of the isolates in the field is considered sufficient to exhaust their research potential. DCA-90-105 is located on the abandoned well pad and will not be affected by construction activities. DCA-90-196 is located within the buffer zone of the abandoned project area, approximately 60 ft south of the proposed Federal 14-6 well pad's cultural buffer zone, and will not be affected by construction activities. DCA-90-156 is situated on the southeast slope of a ridge which forms a natural barrier between it and the proposed well pad. It is recommended that construction activities be restricted to the staked well pad in the southeast corner area. This will provide further protection for DCA-90-156. Archaeological clearance is recommended with the above stipulation.

INTRODUCTION

On April 3, 4, and 27 and May 5, 1990, the Division of Conservation Archaeology (DCA) of the San Juan County Museum Association conducted an archaeological survey for Bannon Energy, Inc. of Houston, Texas. Jeff Holcomb of Holcomb Oil and Gas requested the survey and administered the project for Bannon Energy, Inc. Byron P. Johnson administered the project for DCA.

In recognition of the limited, nonrenewable nature of archaeological remains, the federal government has enacted legislation that is designed to conserve and protect these resources. The principal legislation includes the Antiquities Act of 1906 (PL 52-209), the Historic Preservation Act of 1966 (PL 89-665) and as amended (PL 96-515), the National Environmental Act of 1969 (PL 91-852), the 1971 Executive Order No. 11593, the Archaeological and Historical Conservation Act of 1974 (PL 93-291), and the Archaeological Resources Protection Act of 1979 (PL 96-95). In addition, the Navajo Nation and the states of Arizona, New Mexico, Utah, and Colorado have enacted laws to ensure compliance with federal legislation and to protect archaeological resources within their jurisdiction. Work undertaken in the course of this project is intended to comply with these statutes and is governed by the stipulations of Cultural Resource Use Permit 7-2920-90-U (NM BLM) and Navajo Nation Permit B8990.

Supervisor Cindy J. Bunker, assisted by Valerie Green, Lisa Rohrer, Dave Bunker, and Jenny Montero, DCA archaeologists, surveyed the project area for cultural remains.

METHODS

The area was surveyed by walking parallel transects spaced 10 m apart across the well pad and on both sides of the flagged access road. A construction zone of 50 ft (15 m) was added to each side of the well pad. A buffer zone of 100 ft (30 m) was added to each side of the well pad and construction zone, and a buffer zone of 50 ft (15 m) was added to each side of the access road. The archaeologists recorded all cultural remains. Those whose information potential exceeded what could be extracted during the survey phase were assigned site status. Other cultural remains were documented as isolated loci (IL). Pertinent environmental data were also recorded.

In addition to field inspection, the archaeologists conducted a search of the records at the Bureau of Land Management (BLM) Farmington Resource Area office and at DCA to determine if any sites had been recorded in the project area. Van Valkenburgh (1974) was consulted to determine whether any Navajo sacred places are within the project area. Site and project records required by the BLM, the New Mexico Historic Preservation Division, and the Navajo Nation were completed.

PREVIOUSLY RECORDED SITES

The records check revealed six previously recorded sites within one mile of the proposed project area. Those sites are shown on Supplement 1A which is provided to the BLM and the Navajo Nation only. None of the sites are within 1000 ft of the project.

PROJECT DESCRIPTION

Proposed Bannon Federal 14-6 Well Pad and Access Road
(Figures 1 and 2)

Legal Description:

*T23N, R7W, Section 14, 1153' F/SL, 1230' F/WL

N	$\frac{1}{2}$	SW	$\frac{1}{4}$	SW	$\frac{1}{4}$	(abandoned well pad)
SE	$\frac{1}{4}$	SW	$\frac{1}{4}$	SW	$\frac{1}{4}$	" " "
NW	$\frac{1}{4}$	SE	$\frac{1}{4}$	SW	$\frac{1}{4}$	(proposed well pad)
NE	$\frac{1}{4}$	SW	$\frac{1}{4}$	SW	$\frac{1}{4}$	" " "
SW	$\frac{1}{4}$	NE	$\frac{1}{4}$	SW	$\frac{1}{4}$	(access road)
SE	$\frac{1}{4}$	NE	$\frac{1}{4}$	SW	$\frac{1}{4}$	" "
NE	$\frac{1}{4}$	NE	$\frac{1}{4}$	SW	$\frac{1}{4}$	" "

N.M.P.M., Rio Arriba County, New Mexico

*template anchored at the southwest corner and along the south line

Map Source: U.S.G.S. 7.5' Lybrook, New Mexico - 1966

Land Jurisdiction: BLM surface
Navajo Nation fee surface, BLM minerals

Project Area: 400' x 350' (abandoned well pad and construction zone)
345' x 270' (proposed well pad and construction zone)
1400' x 50' (access road)

Surveyed Area: 600' x 550' (abandoned well pad and construction zone with buffer)
545' x 470' (proposed well pad and construction zone with buffer)
1400' x 150' (access road with buffer)
18.28 Acres

Description: The proposed well pad area, located on BLM lands, is in the bottomlands of a tributary drainage of Escrito Canyon. It is situated against the northeast side of the base of an unnamed mesa with the slope forming the west and southwest boundaries of the well pad. Soils consist of alluvial sands and the vegetation consists of sage (Artemisia tridentata) in the flats and a sparse scatter of pinyon (Pinus edulis) and juniper (Juniperus sp.) along the slopes. Broadleaf yucca (Yucca baccata), narrowleaf yucca (Yucca angustissima), currant bushes (Ribes sp.), and gambel oak (Quercus gambelii) were also present. The ground level elevation is 7150 ft above sea level.

The proposed access road will be approximately 1400 ft long and will extend in a northeasterly direction from the proposed well pad to another well pad, the Bannon Federal 14-5. Portions of the proposed access road will be on Navajo Nation fee surface land.

PROPOSED BANNON FEDERAL 14-6 WELL PAD and ACCESS ROAD

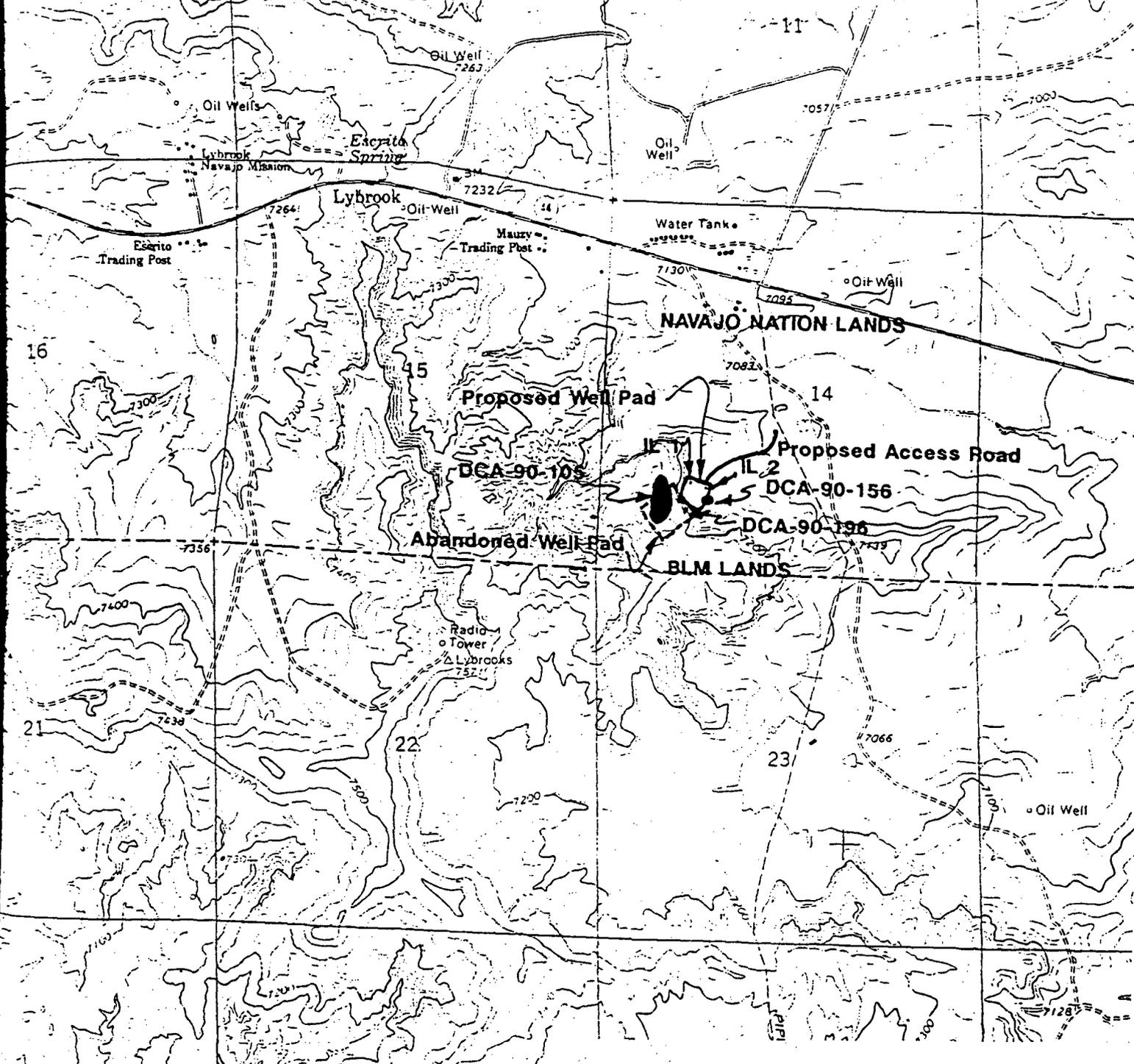
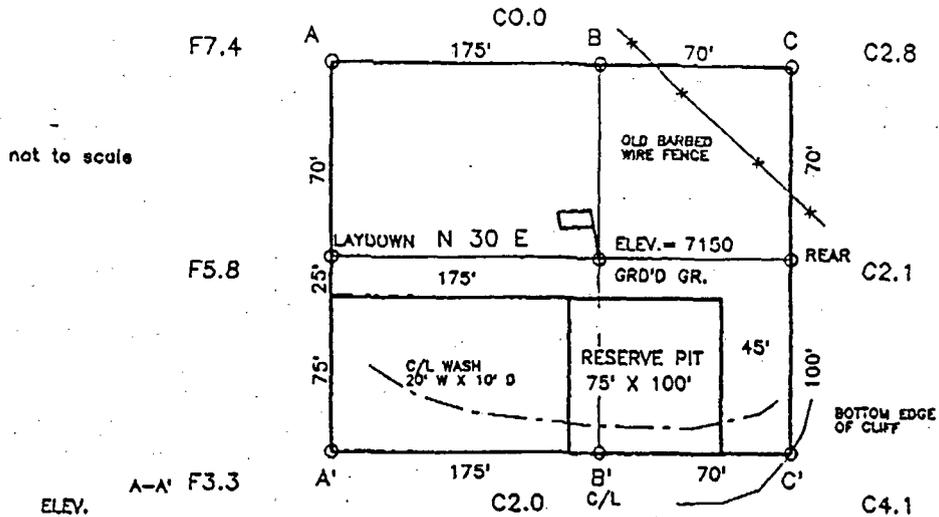


FIGURE 1

Surveyed Area for the Proposed Well Pad
Bannon Federal 14-6 and Access

U.S.G.S. 7.5' Lybrook, N.M. 1966
T23N, R7W Section 14 N.M.P.M.
Rio Arriba County, N.M.

COMPANY: BANNON ENERGY, INC.
 LEASE: FEDERAL 14-6
 FOOTAGE: 1153 FSL, 1230 FWL
 SEC.: 14 TWN: 23 RNG: 7 NMPM
 ELEVATION: 7150



ELEV. A-A' F3.3 C2.0 C/L C4.1

7180					
7170					
7160					
7150					
7140					
7130					

ELEV. B-B' C/L

7180					
7170					
7160					
7150					
7140					
7130					

ELEV. C-C' C/L

7180					
7170					
7160					
7150					
7140					
7130					

Figure 2

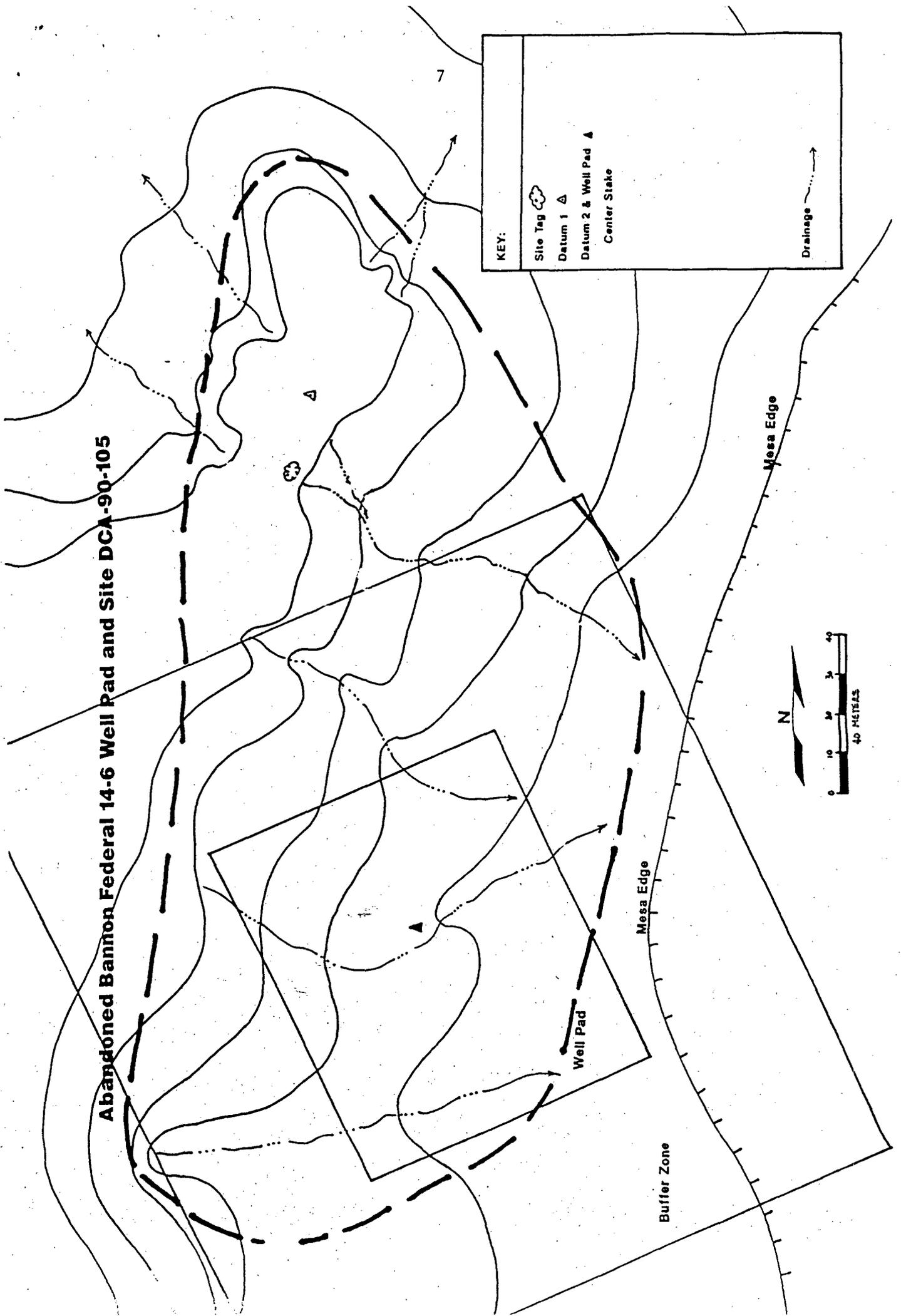
Cultural Resources: Three archaeological sites, DCA-90-105, DCA-90-156, and DCA-90-196 (Figures 3, 4, and 5), and two isolated loci were encountered and recorded during survey of the project area. One site (DCA-90-105) is located on the abandoned location. The second site, (DCA-90-196) is located within the buffer zone of the abandoned well pad, approximately 60 ft south of the proposed well pad's cultural buffer zone. The third site (DCA-90-156) and both isolates, consisting of a Dinetah sherd and lithics, are located within the proposed well pad project area.

Recommendations: The documentation of the isolates in the field is considered sufficient to exhaust their research potential. DCA-90-105 is located on the abandoned well pad and will not be affected by construction activities. DCA-90-196 is located within the buffer zone of the abandoned project area, approximately 60 ft south of the proposed Federal 14-6 well pad's cultural buffer zone, and will not be affected by construction activities. DCA-90-156 is situated on the southeast slope of a ridge which forms a natural barrier between it and the proposed well pad. It is recommended that construction activities be restricted to the staked well pad in the southeast corner area. This will provide further protection for DCA-90-156. Archaeological clearance is recommended with the above stipulation.

REFERENCE CITED

- Van Valkenburgh, Richard F.
1974 Navajo Sacred Places. In Navajo Indians, Volume III, edited by Clyde Kluckhohn. Garland Publishing, New York.

Abandoned Bannan Federal 14-6 Well Pad and Site DCA-90-105



KEY:

- Site Tag ☁
- Datum 1 ▲
- Datum 2 & Well Pad ▲
- Center Stake
- Drainage →

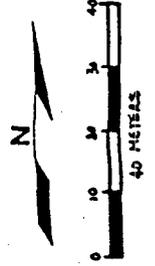
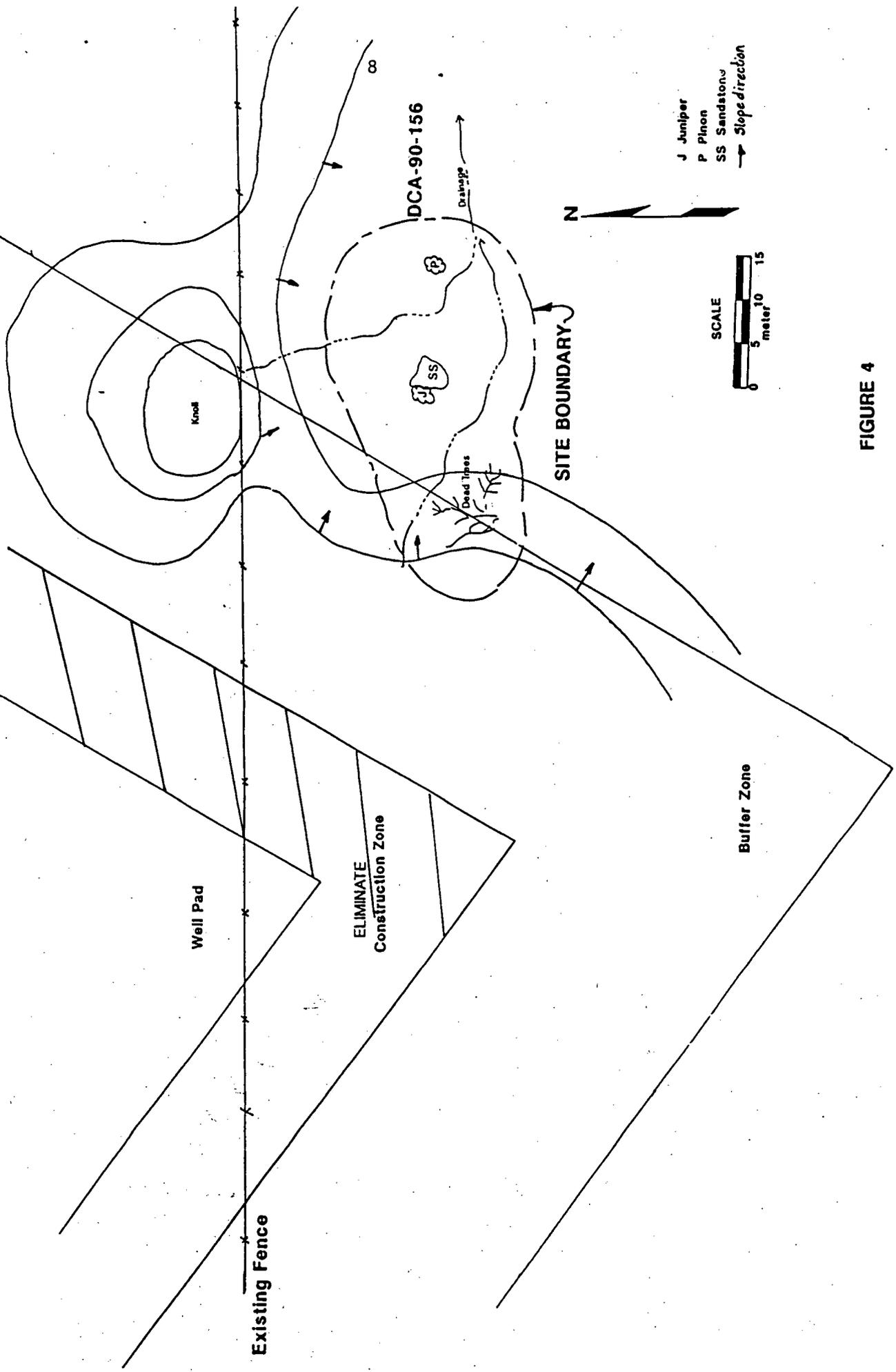


FIGURE 3

Proposed Bannan Federal 14-6 Well Pad and Access Road

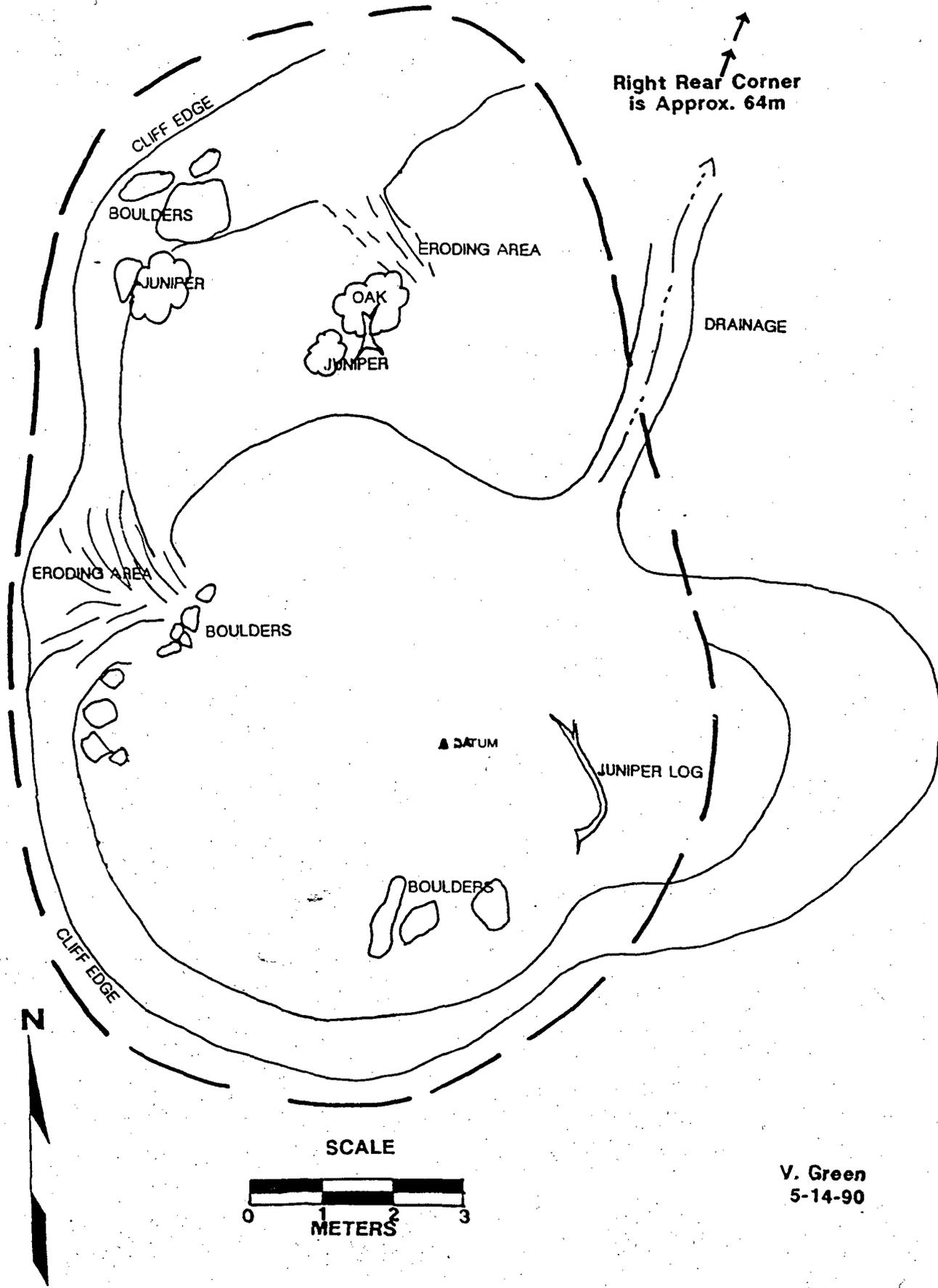


J Juniper
P Pinon
SS Sandstone
→ Slope direction



FIGURE 4

PROPOSED BANNON FEDERAL 14-6 WELL PAD AND ACCESS ROAD DCA-90-196



V. Green
5-14-90

FIGURE 5

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1 Show to whom delivered, date, and addressee's address (Extra charge) 2 Restricted Delivery (Extra charge)

3. Article Addressed to: BCO, Inc. 135 Grant Santa Fe, New Mexico 87501	4. Article Number P 551 083 069
Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	
Always obtain signature of addressee or agent and DATE DELIVERED	
5. Signature - Addressee X <i>Lacassagne</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X	
7. Date of Delivery 8-30-90	

PS Form 3811, Apr. 1989

U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

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1 Show to whom delivered, date, and addressee's address (Extra charge) 2 Restricted Delivery (Extra charge)

3. Article Addressed to: Giant Exploration & Production P. O. Box 2810 Farmington, NM 87499-2810	4. Article Number P 551 083 070
Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	
Always obtain signature of addressee or agent and DATE DELIVERED	
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X <i>S Schaper</i>	
7. Date of Delivery 8-29-90	

PS Form 3811, Apr. 1989

U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
 OIL CONSERVATION DIVISION
 AZTEC DISTRICT

GARREY CARRUTHERS
 GOVERNOR

1000 MIDWAY ROAD
 AZTEC, NEW MEXICO 87410
 (505) 334-0178

SEP 4 AM 10 41

Date: 8-29-90

Oil Conservation Division
 P.O. Box 2088
 Santa Fe, NM 87504-2088

Mike Slogner

Re: Proposed MC _____
 Proposed DHC _____
 Proposed NSL X _____
 Proposed SWD _____
 Proposed WFX _____
 Proposed PMX _____

Gentlemen:

I have examined the application dated 8-29-90
 for the ~~Lannon Energy, Inc.~~ Federal 14#6
 Operator Lease & Well No.

M-14-23N-710 and my recommendations are as follows:
 Unit, S-T-R

Approve

Yours truly,

Gene Bush