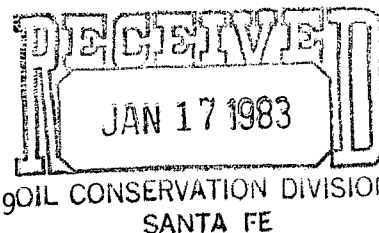


NORTHWEST PIPELINE CORPORATION

PRODUCTION & DRILLING
P.O. BOX 90
FARMINGTON, NEW MEXICO 87499



5112.00-04-83

January 13, 1983

Mr. R.L. Stamets
NMOCD
P.O. Box 2088
Santa Fe, New Mexico 87501

Re: Application for Non-Standard Location
San Juan 31-6 Unit #44
2425 FNL & 1020 FEL
Sec 29, T31N, R6W

NSL 1662
Rule 3 R1670
Waiting Over
Immediate

Basin Dakota

Dear Mr. Stamets:

Northwest Pipeline Corporation requests permission to drill the above captioned well in a Non-Standard Location due to archaeological and topographical reasons. This location was moved to its present location to avoid an archaeological discovery and still stay on top of the ridge which overlooks Navajo Reservoir.

Blackwood & Nichols is the only offset operator and they have been advised of this well's Non-Standard Location by certified mail. A copy of the letter along with a copy of the receipt for certified mail is enclosed.

Sincerely,

Paul C. Thompson
Paul C. Thompson
Drilling Engineer

PCT:djb
enclosure

OIL CONSERVATION DIVISION

P.O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-71STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

All distances must be from the outer boundaries of the Section

JAN 17 1983

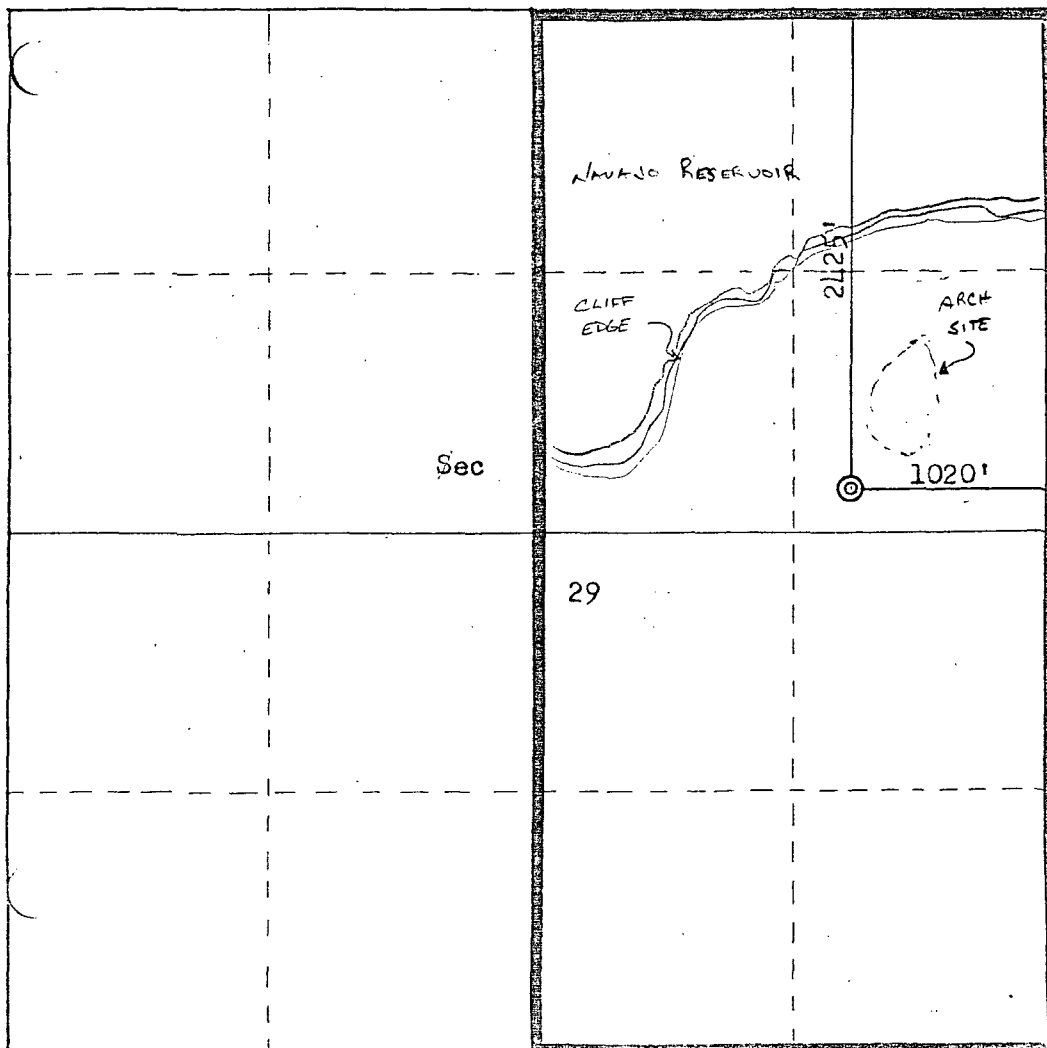
Operator Northwest Pipeline Corp			Lease San Juan 31-6 Unit		Well No. 44
Unit Letter H	Section 29	Township 31N	Range 6W	County SANTA FE	
Actual Footage Location of Well:					
2425 feet from the North line and		1020 feet from the East line			
Ground Level Elev: 6503	Producing Formation Dakota	Pool Basin Dakota	Dedicated Acreage: 320 Acres		

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

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.

Paul C. Thompson

Name
Paul C. Thompson

Position
Drilling Engineer

Company
Northwest Pipeline Corp

Date
November 30, 1982

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.

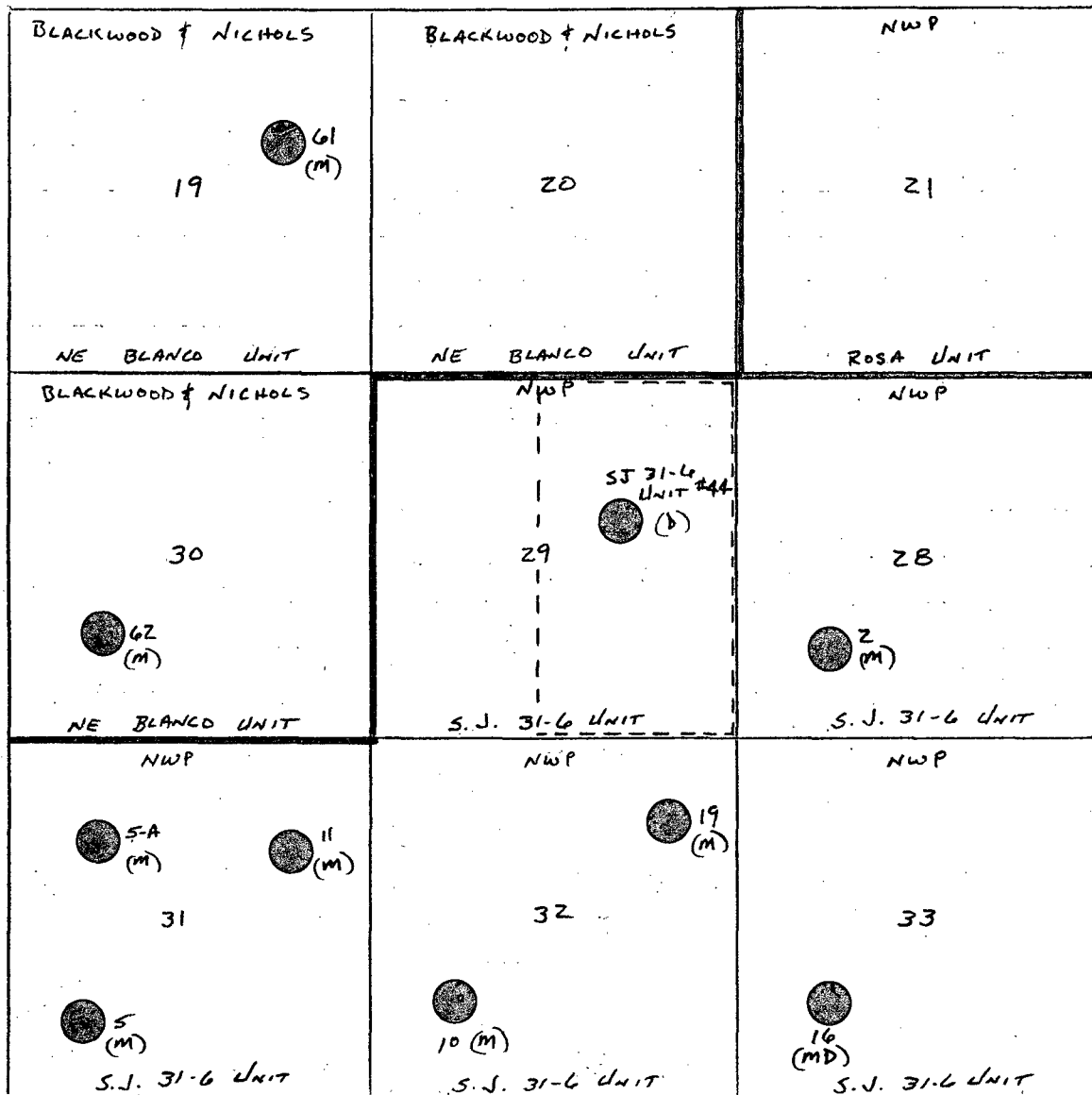
Date Surveyed
11-24-82

Registered Professional Engineer
and Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No. 4444

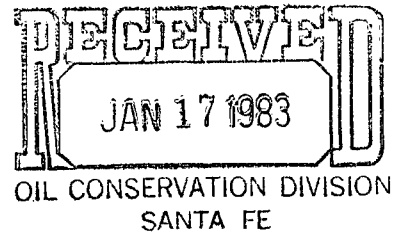
PLAT FOR NORTHWEST PIPELINE
SAN JUAN 31-6 UNIT #44



R6W

NORTHWEST PIPELINE CORPORATION

PRODUCTION & DRILLING
P.O. BOX 90
FARMINGTON, NEW MEXICO 87499
5112.00-03-83



January 13, 1983

Mr. DeLasso Loos
Blackwood & Nichols
P.O. Box 1237
Durango, Colo 81301

Dear Mr. Loos:

Northwest Pipeline has requested permission from the New Mexico Oil Conservation Division to drill a well in a Non-Standard location due to topography and archaeological discoveries. Our records show you to be the operator of the Northeast Blanco Unit which offsets the proposed location described below. Notify Joe Ramey, with the NMOCD in Santa Fe, New Mexico, if you have any objections to this location within 20 days. This letter is being sent by certified mail in accordance with NMOCD regulations.

San Juan 31-6 Unit #44 - 2425 FNL & 1020 FEL - Sec 29, T31N, R6W

Sincerely,

Paul C. Thompson

Paul C. Thompson
Drilling Engineer

PCT:djb



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

January 18, 1983

BRUCE KING
GOVERNOR

LARRY KEHOE
SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

Northwest Pipeline Corp.
P. O. Box 90
Farmington, New Mexico 87499

Attn: Paul C. Thompson

Re: Application for Non-Standard
Location: San Juan 31-6 Unit Well
No. 44, Sec. 29, T-31-N, R-6-W,
San Juan County

We may not process the subject application for non-standard location until the required information or plats checked below (is) (are) submitted.

☐ A plat must be submitted clearly showing the ownership of the offsetting leases.

☐ A statement must be submitted that offset owners have been notified of the application by certified mail.

☐ A plat must be submitted fully identifying the topography necessitating the non-standard location.

☒ Other: There must be a clear demonstration of the important findings at the archaeological site which require the well to be moved.

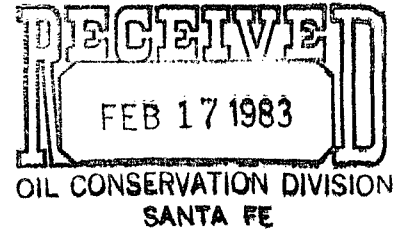
Very truly yours,

R. L. STAMETS
Technical Support Chief

RLS/dr

NORTHWEST PIPELINE CORPORATION

PRODUCTION & DRILLING
P.O. BOX 90
FARMINGTON, NEW MEXICO 87499
5112.00-14-83



February 16, 1983

Mr. R. L. Stamets
NMOCD
P.O. Box 2088
Santa Fe, New Mexico 87501

Re: Application for Non-Standard Location
San Juan 31-6 Unit #44
Sec 29, T31N, R6W
Rio Arriba Co., N.M.

Dear Mr. Stamets:

Enclosed is the archaeological report you requested which describes the exact location and the important findings at the archaeological site in question.

Sincerely,

A handwritten signature in cursive script that reads "Paul C. Thompson".

Paul C. Thompson
Sr. Drilling Engineer

PCT:djb
Enclosure

JICARILLA
ARCHAEOLOGICAL
SERVICES



NORTHWEST PIPELINE CORP.

FEB 14 1983

PRODUCTION AND DRILLING

CULTURAL RESOURCES SURVEY

FOR

NORTHWEST PIPELINE CORPORATION

WELL

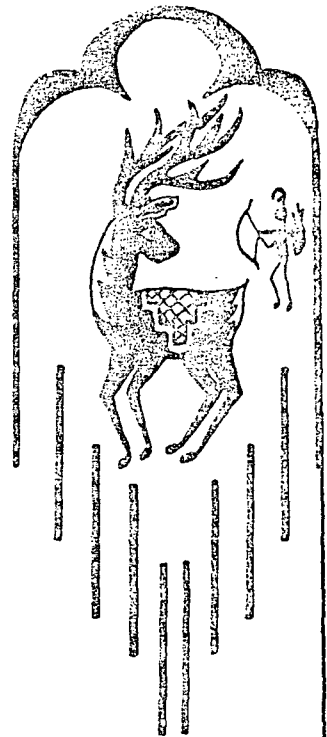
SAN JUAN 31-6 #44

ANDREW R. GOMOLAK
ARCHAEOLOGIST

REPORT CR82-71
DECEMBER 31, 1982

FEDERAL ANTIQUITIES PERMIT
81-NM/CO-270 & 83-NM/CO-109

JICARILLA
ARCHAEOLOGICAL
SERVICES



A CULTURAL RESOURCES SURVEY

FOR

THREE PROPOSED WELL LOCATIONS
AND ACCESS ROADS

FOR

NORTHWEST PIPELINE CORPORATION

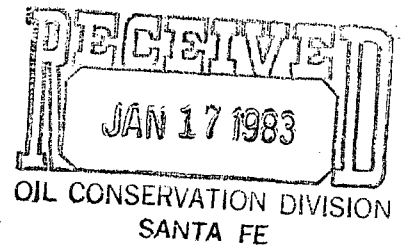
JICARILLA ARCHAEOLOGICAL SERVICES

REPORT #CR-82-62

DECEMBER 6, 1982

TERRY L. KNIGHT
ARCHAEOLOGIST

FEDERAL ANTIQUITIES PERMIT
#81-NM/CO-270



A CULTURAL RESOURCES SURVEY

FOR THREE PROPOSED WELL LOCATIONS AND ACCE.'S ROADS

FOR

NORTHWEST PIPELINE CORPORATION

WELLS & ACCESS TO:

Northwest Pipeline Corporation - San Juan 30-5 #87

Northwest Pipeline Corporation - San Juan 30-5 #99

Northwest Pipeline Corporation - San Juan 31-6 #44

ABSTRACT:

On November 19, 1982, an archaeological reconnaissance of three proposed well locations and access routes was conducted at the request of Northwest Pipeline Corporation. These wells are located in Sections 5 and 33 of Township 30 North, Range 5 West, NMPM, and Section 29 in Township 32 North, Range 6 West, in Rio Arriba County, New Mexico, on lands administered by the Bureau of Land Management, Farmington Resource Area office. A relocation/ construction alignment recommendation has been made for the access route to San Juan 30-5 #99. With these recommendations acted upon, the proposed construction of these wells may be considered in compliance with EO 11593 and the Historic Preservation Act of 1966. Clearance is recommended.

JICARILLA ARCHAEOLOGICAL SERVICES

REPORT #CR-82-62

DECEMBER 6, 1982

TERRY L. KNIGHT
ARCHAEOLOGIST

FEDERAL ANTIQUITIES PERMIT
#81-NM/CO-270

INTRODUCTION:

On November 19, 1982, Terry Knight of Jicarilla Archaeological Services conducted an archaeological reconnaissance of four proposed well pad locations and access routes at the request of Mr. Paul Thompson of Northwest Pipeline Corporation. One of these locations, Northwest Pipeline Corporation - San Juan 30-5 #98, is not included in this report, but is discussed in JAS Report # CR-82-70. The three remaining locations were inspected by Knight, a Northwest representative, Jack Spears with the Bureau of Land Management, and Bill Bingham with Minerals Management Services

METHODOLOGY:

The well locations were walked in multiple parallel transects spaced approximately 7 meters apart. The access routes were walked in down-and-back transects approximately 4 meters to each side of the flagged center line.

In order to gain a better understanding of the surveyed areas, a record search of known cultural resources was performed. The Museum of New Mexico ARM Site Inventory, the National Register of Historic Places, the New Mexico Cultural Properties Inventory, and the Jicarilla Archaeological Services site inventory were consulted.

SPONSOR:

Northwest Pipeline Corporation
Attn: Mr. Paul Thompson
P.O. Box 90
Farmington, NM 87401

PROPOSED WELL: Northwest Pipeline Corporation - San Juan 31-6 #44

LAND STATUS: Public, administered by the Bureau of Land Management, Farmington Resource Area office.

LEGAL: Well - SW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$ of Section 29, Township 31 North, Range 6 West, NMPM, in Rio Arriba County, New Mexico. The center stake was relocated in the field in order to further the distance from the northern well pad boundary to an archaeological site (Site JAS-53, reported on in JAS report #CR-82-71). The approximate footage to the relocated center stake is: 2370 feet from the north line and 1080 feet from the east line of Section 29. The center stake was moved approximately 150 feet southwest of its previous location and was well flagged in the field.

Access - A new access route will not be required as the southeastern edge of the proposed pad will overlap an existing road.

*Note- The first archaeological inspection of San Juan 31-6 #44 was conducted on 10-27-82 and is reported in JAS report #CR-82-71. At this inspection an archaeological site, JAS-53, was located in conjunction with the proposed pad, and a request was made by the archaeologist to move the location further to the south and west. The reinspection of this location on 11-19-82 concluded that the relocated pad was not yet far enough from the site to adequately reduce the possibility of potential impact. The northern boundary of the pad was approximately 20 feet from the southern edge of the concentrated artifact scatter of JAS-53, and thus carried the possibility of being disturbed by grading and pushpile activities. The 11-19-82 inspection requested that the center stake be relocated approximately 150 feet further south, resulting in the northern pad boundary being a safe distance from the sites southern artifact concentration. Additionally, it was requested, and agreed upon the field representatives, that the construction profile for the well pad be turned around so that the long rectangular portion of the pad is construction to the east/west and the reserve pit be placed in the northwest corner of the pad. (See Figure 7). A new stake was flagged in the field, and an archaeological inspection was conducted for the new area.

UTM COORDINATES: z13 2.78,910mE: 40,83,290mN

MAP REFERENCE: USGS Gomez Ranch, New Mexico Quadrangle, 7.5 minute series, 1954. Photorevised in 1971. (See Figure 5).

AREA OF DISTURBANCE: 300' x 265', 1.82 acres

AREA OF SURVEY: 400' x 400', 3.67 acres

VARIATION FROM PLATS: The center stake shown in Figure 6 has been moved approximately 150 feet to the southwest, and the north arrow in Figure 7 has been changed to indicate the requested profile for San Juan 31-6 #44.

TOPOGRAPHY/
SOILS The proposed location is a flat open area at 6500 feet amsl. The soils in this area belong to the Travessilla-Rockland association and are subgrouped as Lithic Ustic Torriorthents. These soils are finely textured, sandy loams formed by the decomposing sandstones and shales of the surface formation. Much of this area has been previously worked and reseeded.

WATER SOURCES: Navajo Reservoir, a constant, modern, water source is located 3/4 of a mile northeast of the location.

VEGETATION: The location will be constructed within a sagebrush (Artemisia tridentata) dominated area, fringed on the sides by sparse to moderate stands of pinon (Pinus edulis) and juniper (Juniperus monosperma). Additional surface cover includes: blue grama (Bouteloua gracilis), galleta (Hilaria jamesii), alkali sacaton (Sporobolus airoides), rabbit brush (Chrysothamnus nauseosus), snake-weed (Gutierrezia sarothrae), sideoats grama (Bouteloua curtipendula), and western wheatgrass (Agropyron smithi).

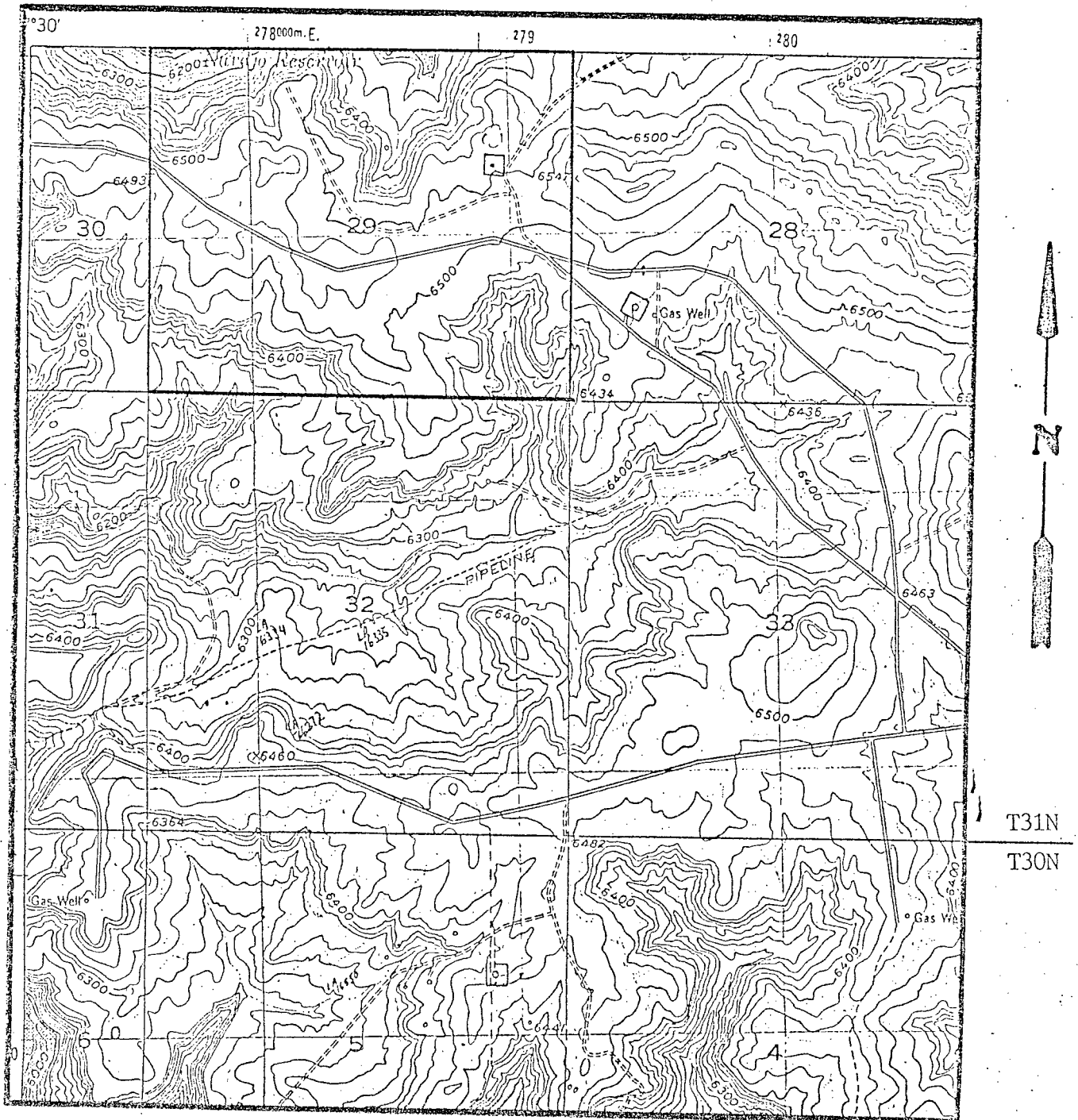
CULTURAL RESOURCES:

This report: The revised location of San Juan 31-6 #44 places the proposed pad well out of way of Site JAS-53, (plus 150 feet to southern artifact concentrations.). However, the area surrounding the occupation loci is covered by a sparse scattering of artifacts. This may be caused by many possibilities, the prehistoric occupation, sheet-washing, and the chaining/reseeding activities among them. The surface to be interrupted by the pad construction is a relatively flat, predominately grassy area, which appears to have been mechanically smoothed and cleared of its natural vegetation. Within this area (the 400' x 400' inspection) several artifacts were located, but were not assigned isolated find numbers due to their association with site JAS-53. These artifacts include: approximately 20 greyware jar sherds approximately 75 feet southwest of the new center stake, a one hand, biface, quartzite mano with short axis linear wear, measuring 11cm x 9cm x 4cm, located approximately 100 feet southwest of the center stake, a sparse scattering of fire cracked rock in the road berm approximately 200 to 300 feet northeast of the new stake, as well as an extremely sparse scattering of greyware sherds and chalcedony and obsidian lithics throughout the area.

On Record: LA 16334, LA 16335 and LA 26272 are located approximately $1\frac{1}{4}$ miles to the south/southwest of the proposed location, in addition to JAS-53 immediately north.

RECOMMENDATION: It is recommended that the proposed location of San Juan 31-6 #44 be placed approximately 2370 feet from the north line and 1080 feet from the east line of Section 29, and be turned around so that its short axis is running north/south and its reserve pit is located in the northwest corner of the pad, thus avoiding archaeological site JAS-53 by more than 200 feet. With the majority of the site thus avoided, the remaining superficial scattering of artifacts in the immediate area appear to have a limited potential significance, that has been satisfied by the locational and descriptive data here-in and in report #CR82-71. This; the fact that these scattered artifacts appear in an area that has already been mechanically disturbed; and the fact that there is little if any more satisfactory space left in the area to locate the well in, leads us to recommend that the proposed well pad construction be considered in compliance with EO 11593 and the Historic Preservation Act of 1966. Clearance is recommended with the above relocation stipulations.

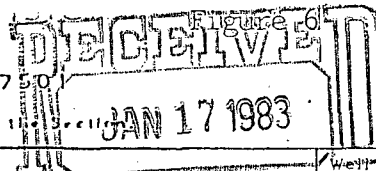
Figure 5



Proposed location of
Northwest Pipeline Corporation
San Juan 31-6 #44
Site JAS 53 { }

Jicarilla Archaeological Services
Report #CR-82-62

Gomez Ranch, New Mexico
N3645-W 10722.5/7.5
USGS 1954, Photorevised 1971
Sec 29, T31N, R6W
Scale 1=24,000



All distances must be from the outer boundaries of the well.

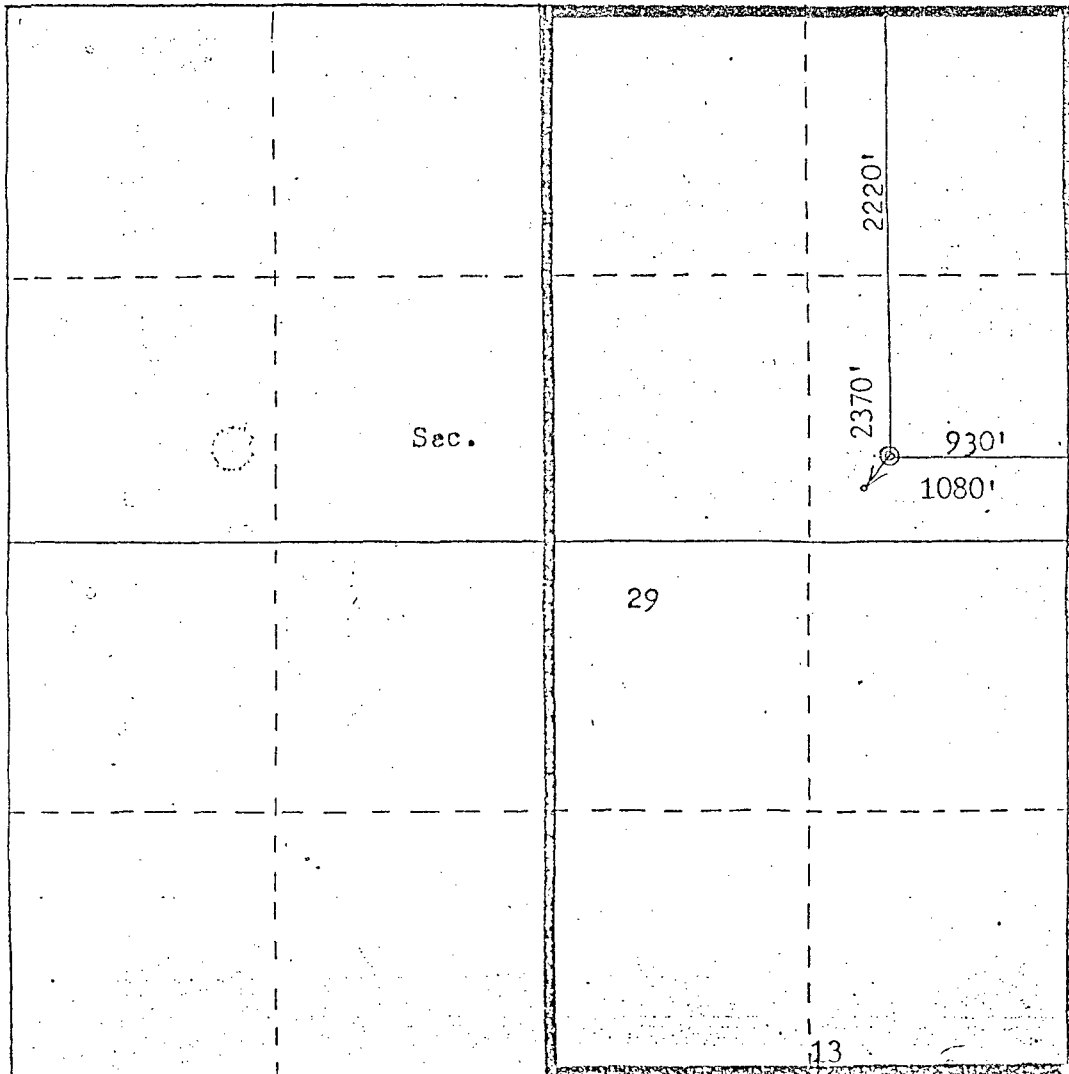
Operator NORTHWEST PIPELINE CORPORATION			Lease SAN JUAN 31-6 UNIT CONSERVATION DIVISION		Well No. 44
Unit Letter H	Section 29	Township 31N	Range 6W	County SANTA FE Rio Arriba	
Actual Footage Location of Well:					
2220 feet from the North line and		930 feet from the East line			
Ground Level Elev: 6497	Producing Formation Dakota	Pool Basin Dakota	Dedicated Acreage: 320 Acres		

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

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.

Paul C. Thompson
Name

Paul C. Thompson

Position
Drilling Engineer

Company
Northwest Pipeline Corp

Date
November 12, 1982

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.

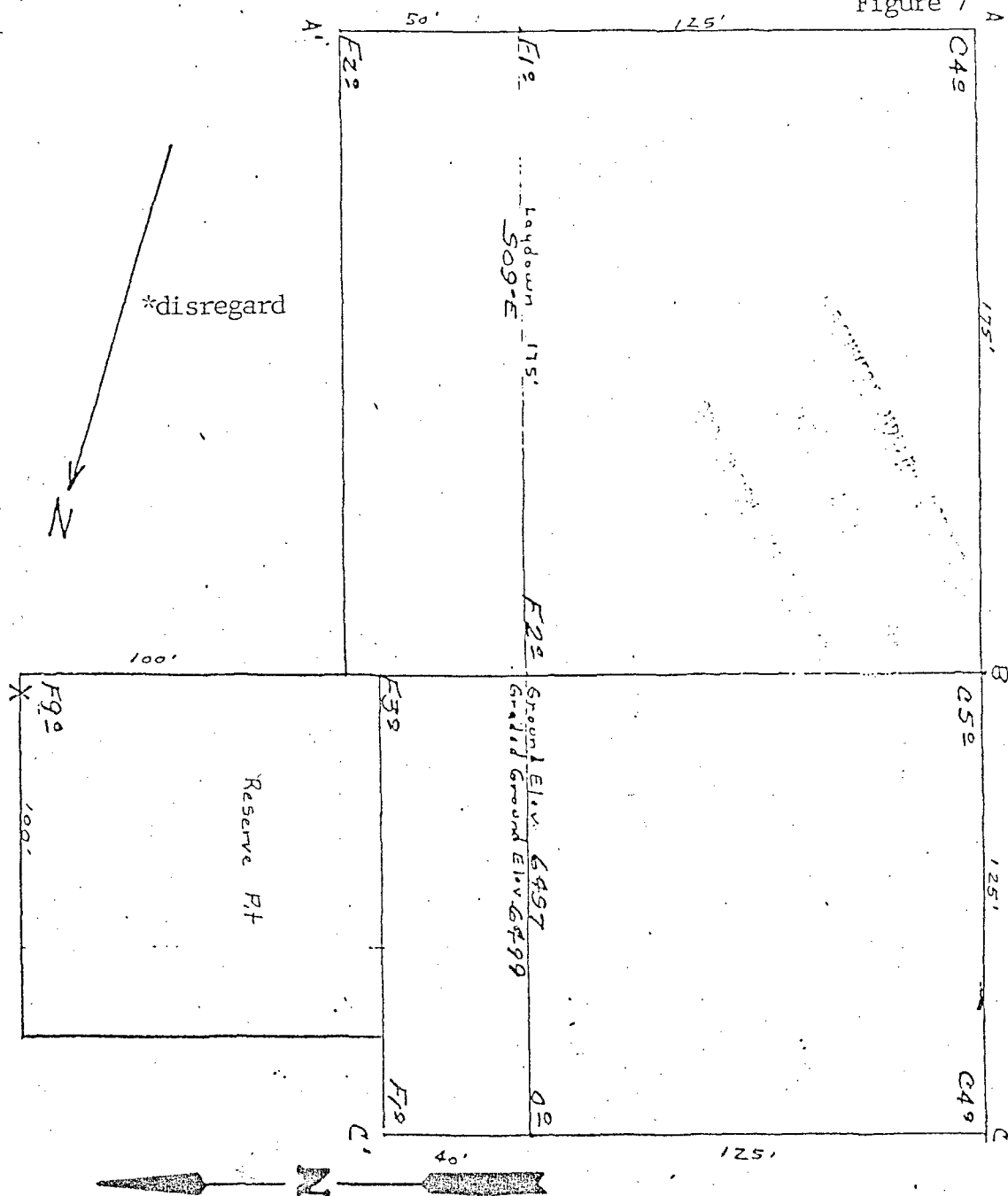
Date Surveyed
November 8, 1982

Registered Professional Engineer and Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

NORTHWEST PIPELINE CORP. #44 SAN JUAN 31-6 UNIT
2220' ENL 930' TEL Sec. 29-T31N-R6W
RIO ARriba COUNTY, NEW MEXICO

Figure 7



* Revised Profile will be drawn as above, except the pad will face in a new direction.

A - A'		Vertical
6500	— — — — —	420
6490	— — — — —	—
	— — — — —	—
	— — — — —	—
	— — — — —	—

[illegible][illegible]

WMP
WELL FILE

P22 0273423

RECEIPT FOR CERTIFIED MAIL

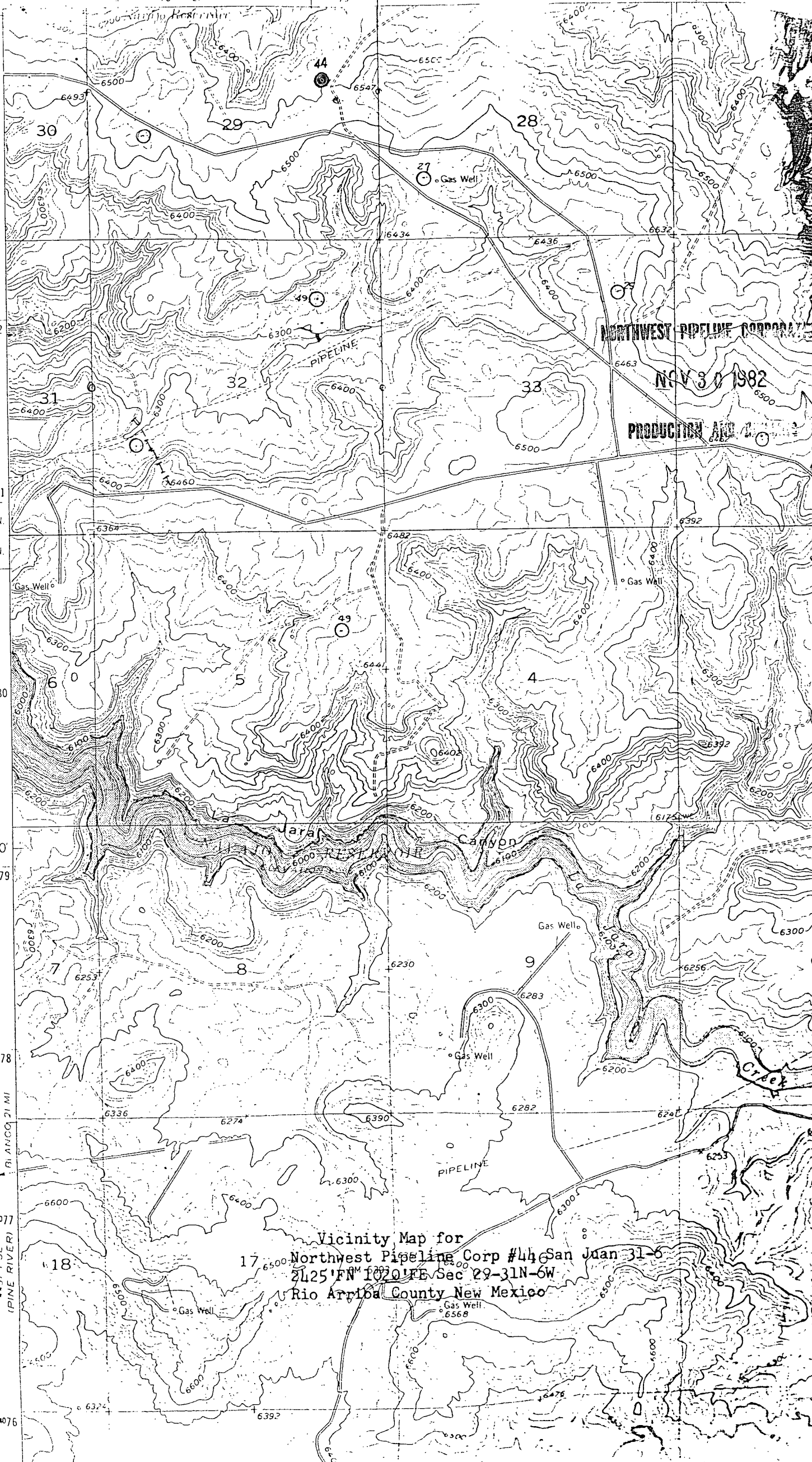
NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

SENT TO		Blackwood & Nichols	
STREET AND NO.		P.O. Box 1237	
P.O., STATE AND ZIP CODE		Durango, Colorado 81301	
POSTAGE		\$.20
CERTIFIED FEE		\$.75
CONSULT POSTMASTER FOR FEES	OPTIONAL SERVICES	SPECIAL DELIVERY	
		RESTRICTED DELIVERY	
	RETURN RECEIPT SERVICE	SHOW TO WHOM AND DATE DELIVERED	
		SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	
		SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	
		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	
TOTAL POSTAGE AND FEES		\$.95
POSTMARK OR DATE			

San Juan 31-6 Unit #44

PS Form 3800, Apr. 1976





NORTHWEST PIPELINE CORPORATION

NOV 30 1982

PRODUCTION AND

Vicinity Map for
Northwest Pipeline Corp #44 San Juan 31-6
2125' FN 1020' FE Sec 29-31N-6W
Rio Arriba County New Mexico

CULTURAL RESOURCES SURVEY

FOR

NORTHWEST PIPELINE CORPORATION

WELL

SAN JUAN 31-6 #44

ABSTRACT

On October 27, 1982, the proposed location for the above well was surveyed for cultural resources. The location was found to overlap a structural prehistoric site and thus relocation, and resurvey, are recommended.

JICARILLA ARCHAEOLOGICAL SERVICES

REPORT CR82-71

DECEMBER 31, 1982

ANDREW R. GOMOLAK
ARCHAEOLOGIST

FEDERAL ANTIQUITIES PERMITS
81-NM/CO-270 & 83-NM/CO-109

INTRODUCTION

On October 27, 1982, Andrew R. Gomolak of Jicarilla Archaeological Services inspected the proposed location for Northwest Pipeline Corporation well San Juan 31-6 #44, at the request of Paul Thompson of Northwest. Present during the survey were Dale Dunn and Jack Spears of the Bureau of Land Management, Bill Bingham of Minerals Management Services, and Mr. Thompson.

METHODOLOGY

The proposed area of impact was walked in multiple parallel transects. When the prehistoric site was found, the survey area was expanded to search for additional remains. The site was mapped by pacing and sketching compass oriented distances.

A record check of the Museum of New Mexico Archaeological Records Management System data, the New Mexico Cultural Properties/National Register of Historic Places, and Bureau of Land Management site location maps, was made for the area in question.

SPONSOR: Northwest Pipeline Corporation
Production, Attn: Thompson
P.O. Box 90
Farmington, NM 87401

NORTHWEST PIPELINE WELL SAN JUAN 31-6 #44

LAND STATUS: Public, administered by the Farmington Resources Area, Bureau of Land Management

LEGAL: Proposed location- SW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$ Section 29, 930'FEL & 2220'FNL

UTM: Well- 2,78,940mE: 40,83,320mN Zone 13

Map Reference: USGS Gomez Ranch, New Mexico, 7.5 Minute Quadrangle, 1954, Photorevised 1971, Figure 1

Variation from Plat: To be relocated

Topography: The proposed location was on the open, only gently sloping (1-3%), upland flats of a mesa arm between the San Juan and La Jara Canyons, at 6497' amsl. Much of the surrounding area appears to have been plowed and reseeded for range improvement, and a stock tank has been built northeast of this proposed location.

Soils: The soils at this location are borderline between Lithic Ustic Torriorthents of the Travesilla-Rockland Association, and the Ustic Haplargids of the Del Rio-Silver Association.

Water: Intermittent runoff and ponding are the close by, natural, water source on the uplands. The San Juan River is about a half mile northwest and 400' down.

Vegetation: The proposed location, and the prehistoric site, are on the verge between sage savanna and woodlands. The area to the east and south being covered in sage (Artemisia tridentata), wheatgrass (Agropyron smithi), sideoats grama (Bouteloua curtipendula), rabbit brush (Chrysothamnus nauseosus), alkali sacaton (Sporobolus airoides), snake-weed (Gutierrezia sarothrae), blue grama (Bouteloua gracilis) and galleta (Hilaria jamesii); while the area west is Piñon (Pinus edulis) Juniper (Juniperus monosperma) Woodland, with much the same understory.

CULTURAL RESOURCES:

On Record- LA #s 16334, 16335 and 26272 are about a mile south.

This Report- Site JAS 53 (description follows) is in the area that would have been affected by this proposed location.

RECOMMENDATION: Because this proposed location would directly affect the substantial remains of Site JAS 53, and because Site JAS 53 is thought to be of potential significance, clearance is not recommended. Relocation and resurvey should be required.

[illegible]

USGS GOMEZ RANCH, NEW MEXICO
7.5 Minute Quad, 1954, 1971
Scale 1:24,000

3

SITE JAS 53

This site consists of an approximate 20 x 25m area of artifact concentration surrounding two probable structural remains, and a very light, very extensive scatter of artifacts in the vicinity.

Feature 1 (see Figure 2) is an artifact concentration including mano and metate fragments, Rosa (?) utility ceramics, and fired earth molds retaining patterns of the (assumed) structural materials. Feature 2 is also an artifact concentration with fired structural molds, and similar ceramics.

There is a widely dispersed, low density (estimated 10s per 1000 sq.m) artifact scatter in an area probably 100m east/west by 300m north/south surrounding these features. The artifacts in the area east of the tree line (shown in Figure 2) may have been affected by range improvement activities. The artifacts west of the tree line appear in natural context.

Lithic artifacts observed include fragments of two fine grain sandstone trough metates, and fine grain sandstone uni and biface mano fragments mentioned in association with Feature 1; and knapped chalcedonics, siltstones and cherts. The ceramic artifacts appear to only include plainwares; no slipped or painted wares being found during this inspection.

This site appears to be the remains of at least two structures, probable Rosa pithouses, with associated debris. This upland setting, on an intermediate bench above the San Juan River canyon at 6500' amsl, would provide a wide range of available resources from riverine to high mesa environments, within (conceptually) short distances.

Figure 2

