



CONSERVATION DIVISION  
RECEIVED  
FEB 12 1996 8 52

Texaco Exploration  
and Production Inc

500 North Loraine  
Midland TX 79701

P O Box 3109  
Midland TX 79702

February 12, 1996

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Location  
Remuda Basin `19' Federal Well No. 2  
Wildcat/ Brushy Canyon and Bone Spring  
Eddy County, New Mexico

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
2040 South Pacheco  
Santa Fe, New Mexico 87505

Attention: Mr. Michael E. Stogner

Gentlemen:

An Exception to Rule 104 F. (2), by administrative approval, is requested for the captioned well. This well is located 510' FNL & 1580' FEL, Unit Letter "B", of Section 19, T-23-S, R-30-E.

This well must be drilled in this location due to archaeological conditions. This well was staked at the orthodox location 510' FNL & 1780' FEL. An archaeological site was found on the west side of the 400' X 400' staked area by Pecos Archeological Consultants. Their recommendation was to move the location 200' to the East. A copy of their report is attached.

We believe drilling a directional well to reach a legal bottom-hole location is not feasible due to the cost involved. A pumping completion is anticipated and the associated costs of pumping as well as drilling a directional well severely impacts the economics.

The offset operators to this location have been notified (certified receipts attached). Texaco grants itself a waiver to the unorthodox location. Attached is the C-102, topo map, and offset operators list.

Yours very truly,

*C. Wade Howard*  
C. W. Howard  
Engineer Assistant

CWH:cwh Attachments cc: BLM, P. O. Box 1778, Carlsbad, NM 88220



Texaco Exploration  
and Production Inc

500 North Loraine  
Midland TX 79701

P O Box 3109  
Midland TX 79702

February 12, 1996

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Location

Remuda Basin '19' Federal Well No. 2  
Sec. 19, T-23-S, R-30-E  
Wildcat/ Brushy Canyon and Bone Spring  
Eddy County, New Mexico

TO THE OFFSET OPERATORS

Gentlemen:

As an offset operator to the captioned lease, you are being furnished with a copy of our Application for an Exception to Rule 104, F. (2). If you have no objection, please sign the waiver at the bottom of this letter and return in the enclosed envelope. If you have an objection, it must be filed in writing to the Division Director within twenty days from the date this notice was sent.

Any questions concerning this request should be directed to me at (915) 688-4606.

Yours very truly,

*C. Wade Howard*

C. W. Howard  
Engineer Assistant

CWH:cwh

File

**WAIVER APPROVED:**

**COMPANY:** \_\_\_\_\_

**BY:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

AFFECTED OFFSET OPERATOR'S LIST  
REMUDA BASIN '19' FEDERAL WELL No. 2  
EDDY COUNTY, NEW MEXICO

Texaco Exploration and Production Inc.  
P. O. Box 3109  
Midland, Texas 79702

Murchison Oil & Gas Inc.  
Attn: Michael S. Daugherty  
1st Interstate Bank Tower, Suite 5300  
1445 Ross Ave.  
Dallas, TX 75202-2733

Strata Production Company  
Attn: Mark Murphy  
P. O. Box 1030  
Roswell, NM 88202-1030

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
Murchison Oil & Gas Inc.  
Attn: Michael S. Daugherty  
1st Interstate Bank Tower, ST5300  
1445 Ross Ave.  
Dallas, Texas 75202-2733

4a. Article Number  
P 652 054 555

4b. Service Type  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☒ Return Receipt for Merchandise

7. Date of Delivery  
FEB 12 1996

5. Signature (Addressee)

6. Signature (Agent)  
*[Signature]*

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 \*U.S. GPO: 1993-352-714 **DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
Strata Production Company  
Attn: Mark Murphy  
P. O. Box 1030  
Roswell, New Mexico 88202-1030

4a. Article Number  
P 652 054 556

4b. Service Type  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☒ Return Receipt for Merchandise

7. Date of Delivery

5. Signature (Addressee)

6. Signature (Agent)  
*[Signature]*

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 \*U.S. GPO: 1993-352-714 **DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.



Texaco Exploration  
and Production Inc

500 North Loraine  
Midland TX 79701

P O Box 3109  
Midland TX 79702

February 12, 1996

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Location

Remuda Basin '19' Federal Well No. 2

Sec. 19, T-23-S, R-30-E

Wildcat/ Brushy Canyon and Bone Spring

Eddy County, New Mexico

TO THE OFFSET OPERATORS

Gentlemen:

As an offset operator to the captioned lease, you are being furnished with a copy of our Application for an Exception to Rule 104, F. (2). If you have no objection, please sign the waiver at the bottom of this letter and return in the enclosed envelope. If you have an objection, it must be filed in writing to the Division Director within twenty days from the date this notice was sent.

Any questions concerning this request should be directed to me at (915) 688-4606.

Yours very truly,

*C. Wade Howard*

C. W. Howard  
Engineer Assistant

CWH:cwh

File

**WAIVER APPROVED:**

**COMPANY:** Strata Production Company

**BY:** *Mark B. Murphy* Mark B. Murphy, President

**DATE:** February 12, 1996

DISTRICT I  
P. O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P. O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
P. O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

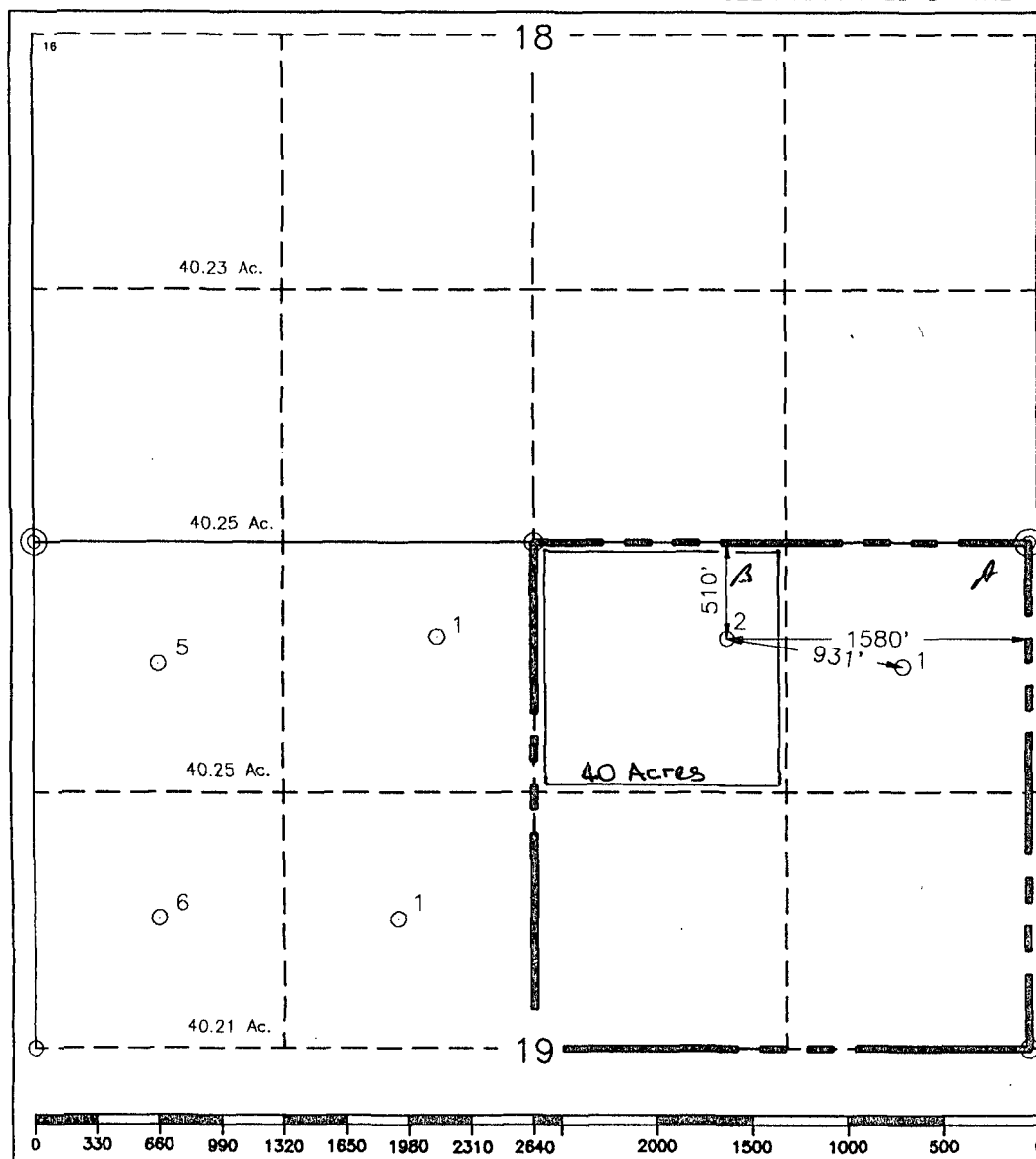
State Lease-4 copies  
Fee Lease-3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name Wildcat/Brushy Canyon, Bone Springs					
<sup>4</sup> Property Code		<sup>5</sup> Property Name Remuda Basin "19" Federal						<sup>8</sup> Well Number 2	
<sup>7</sup> GRID No. 22351		<sup>6</sup> Operator Name TEXACO EXPLORATION & PRODUCTION, INC.						<sup>9</sup> Elevation 3083'	
<sup>10</sup> Surface Location									
UL or lot no. B	Section 19	Township 23-S	Range 30-E	Lot Idn	Feet from the 510'	North/South line North	Feet from the 1580'	East/West line East	<sup>7</sup> County Eddy
<sup>11</sup> Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	<sup>7</sup> County
<sup>12</sup> Dedicated Acres 40		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION.



<sup>16</sup> OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

*C. Wade Howard*

Printed Name

C. Wade Howard

Position

Engineer's Assistant

Company

Texaco Expl. & Prod. Inc.

Date

February 8, 1996

<sup>18</sup> SURVEYOR CERTIFICATION

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

February 2, 1996

Signature & Seal of  
Professional Surveyor

*John S. Piper*

Certificate No.

7254 John S. Piper

Sheet 8 of 8

DISTRICT I  
P. O. Box 1900, Hobbs, NM 88240

DISTRICT II  
P. O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Hondo Rd., Artesia, NM 87410

DISTRICT IV  
P. O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1984

Instructions on back

OIL CONSERVATION DIVISION

PO Box 2088  
Santa Fe, NM 87504-2088

Submit to Appropriate District Office

State Lease-4 copies  
Fee Lease-3 copies

☐ AMENDED REPORT

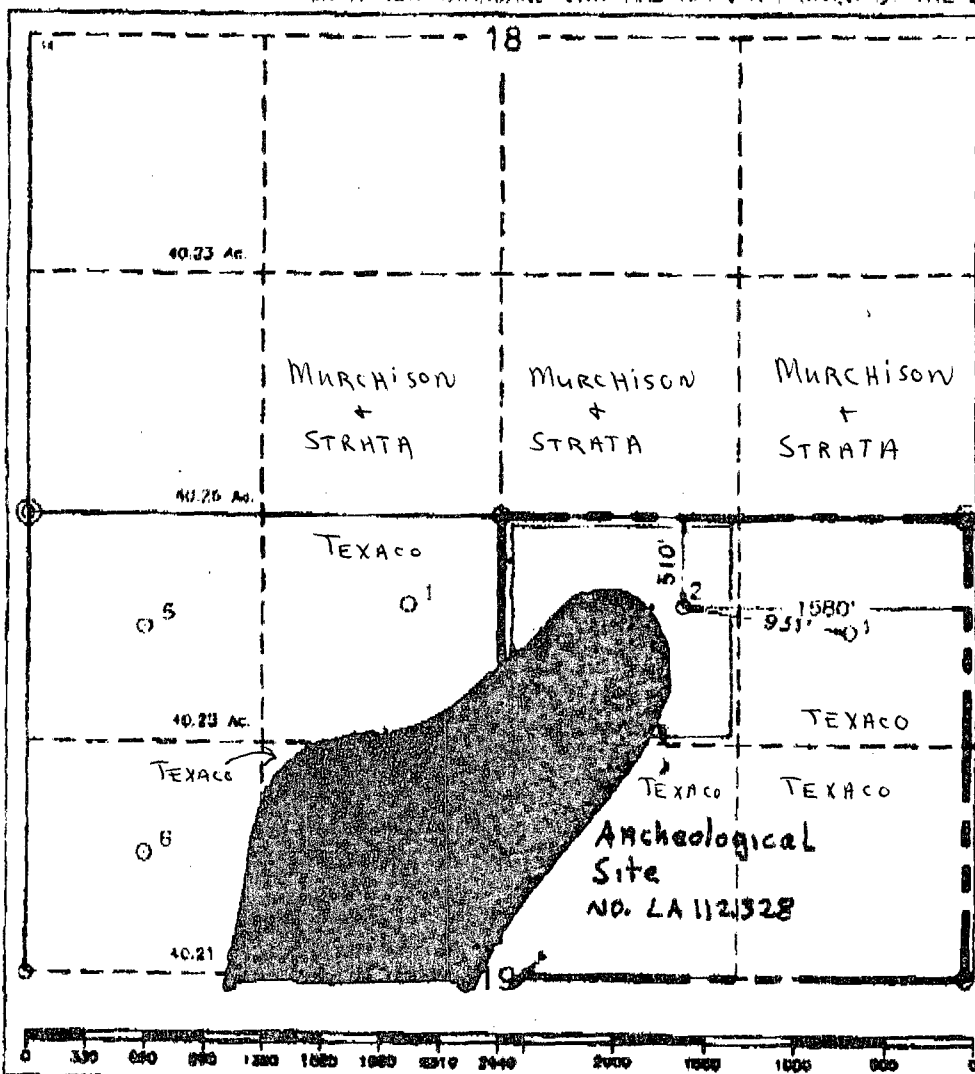
WELL LOCATION AND ACREAGE DEDICATION PLAT

APN Number	Pool Code	Pool Name Wildcat/Brushy Canyon, Bone Springs
Property Code	Property Name Remuda Basin "19" Federal	Well Number 2
CCRD No.	Operator Name TEXACO EXPLORATION & PRODUCTION, INC.	Elevation 3083'

Surface Location									
UL or lot no. 8	Section 19	Township 23-S	Range 30-E	Lot 10	Feet from the 510'	North/South line North	Feet from the 1580'	East/West line East	County Eddy

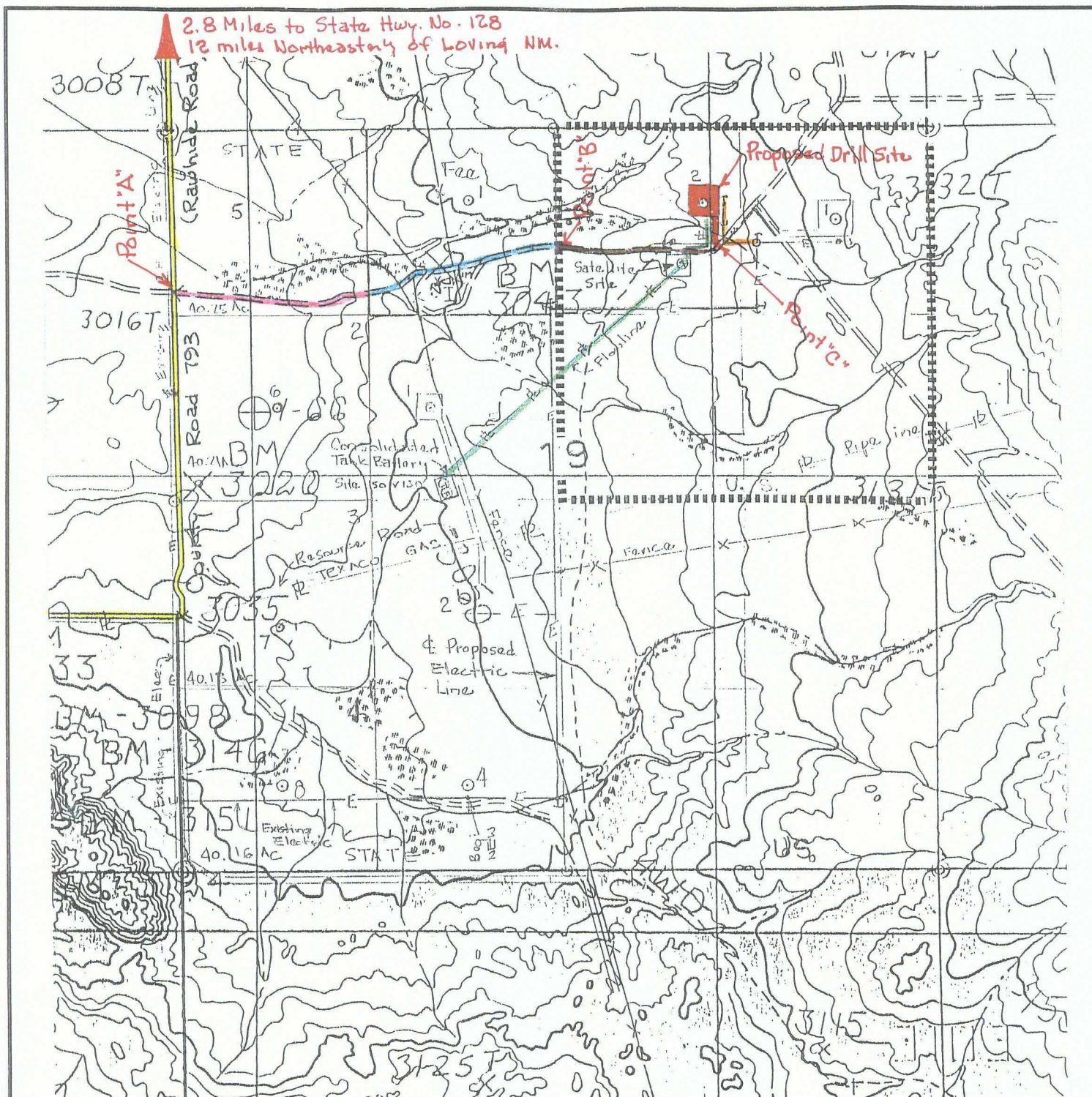
Bottom Hole Location if Different From Surface									
UL or lot no.	Section	Township	Range	Lot 10	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Int'l	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION.



<b>OPERATOR CERTIFICATION</b>	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Signature	
Printed Name	C. Wade Howard
Position	Engineer's Assistant
Company	Texaco Expl. & Prod. Inc.
Date	February 8, 1986
<b>SURVEYOR CERTIFICATION</b>	
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	February 2, 1986
Signature & Seal of Professional Surveyor	
Certificate No.	7284 John S. Piper
Sheet 8 of 8	





### LEGEND OF SYMBOLS

- = Access Road (Yellow)
- = Resource Road State Land (Pink)
- = Resource Road Private Land (Blue)
- = Resource Road on Lease (Brown)
- = Proposed Resource Road (Red)
- = Proposed Electric Line (Orange)
- = Proposed Production Flowline (Green)
- = Staked Well Location
- = Producing Well Location
- = Water Well
- ⊙ = Found 1" Iron Pipe With Brass Cap
- ⊙ = Found 2" Iron Pipe With Brass Cap
- = Unit or Lease Boundary

### EXHIBIT "A" ACCESS ROAD AND FACILITIES MAP

### TEXACO EXPLORATION AND PRODUCTION

Remuda Basin "19" Federal No. 2  
510' FNL & 1580' FEL, Section 19  
T-23-S, R-30-E, NMPM, Eddy County, NM

Drawn by: J. S. Piper

Scale: 1" = 1000 Feet

Date: February 7, 1996

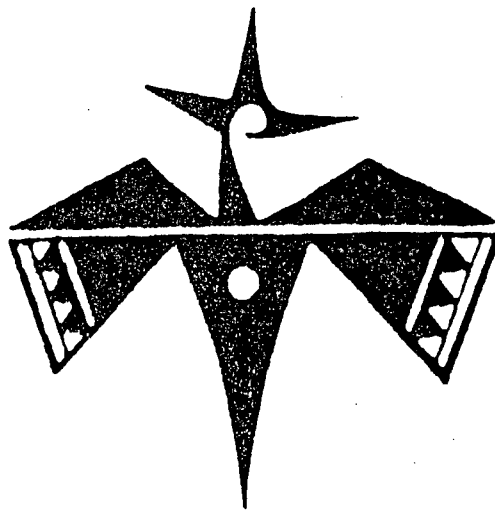
C. Wade Howard

Checked by: D. M. Ballew

Sheet: 6 of 8



**PECOS**  
**ARCHEOLOGICAL**  
**CONSULTANTS**  
**P.O. BOX 1771**  
**CARLSBAD, NM 88221**



Archeological Clearance Report for  
Texaco Exporation and Production's  
Remuda Basin "19" Federal No.s 1 & 2 and Tank Battery  
Situatd in Eddy County, N.M.  
PAC Report No. 96004

Archeological Clearance Report for  
Texaco Exporation and Production, Inc.'s  
Remuda Basin "19" Federal No.s 1 & 2 and Tank Battery  
Situated on Public Lands in Eddy County, N.M.  
Report No. 96004

prepared by  
Robert J. Martin and James E. Hunt

submitted by  
Pecos Archeological Consultants  
P.O. Box 1771, Carlsbad, N.M., 88221  
September 12, 1995  
BLM Cultural Use Permit No. 6-2920-95  
State Blanket Survey Permit No. 95-024

#### ABSTRACT

On January 18, 24 and February 1, 1996, Pecos Archeological Consultants (BLM Cultural Use Permit No. 6-2920-94-M, State Blanket Survey Permit No. 95-024) undertook an archeological inventory for two drill locations, tank battery, access roads, powerlines and flowlines scheduled to be impacted by Texaco Exploration and Production, Inc. This project will be situated on public lands in Eddy County, New Mexico. These lands occur in section 19, T23S, R30E, NMPM, Eddy County, N.M. For the No. 1, total of 21.73 acres of federal surface ownership and 5.05 acres of state ownership were investigated and for the No. 2 5.48 acres of federal surface ownership were investigated. This project was conducted in 16 man-hours by James E. Hunt and Robert J. Martin. One archeological site, LA 112328, and four isolated manifestations (IMs) were recorded during this project. Due to the significant nature of the cultural remains within the impact zone, Pecos Archeological Consultants recommending clearance for this project, ONLY if the site is avoided. This can be accomplished in a manner described in the "Recommendations" section of this report.

## INTRODUCTION

On January 16, 1996, Pecos Archeological Consultants was requested by Texaco Exploration and Production, Inc., to perform the archeological survey for two drill locations scheduled to be constructed on public land in Eddy County, New Mexico. This land is administered by the Bureau of Land Management and federal law stipulates that an intensive archeological inventory be performed to identify what cultural resources might be affected by such activity prior to granting clearance to the project. Therefore, Pecos Archeological Consultants undertook this survey on January 18, 24 and February 1, 1996. Fieldwork for this project was performed by James E. Hunt and Robert J. Martin. The following is a report of the field activities and findings resulting from the survey.

## SURVEY METHODOLOGY

Pecos Archeological Consultants conducted this survey by physically examining the entire 400 X 400 ft impact zone which will result from the planned construction. Pedestrian inspection along parallel transects was accomplished across the staked drill location. These transects were spaced 15 meters apart; however, established transects were departed from to examine nearby areas of high site probability. All prominent deflations and denuded areas were given special attention. Additionally, all attendant easements (if any ) were surveyed in two parallel transects spaced 15 meters apart. This project was conducted on three sunny days. Surface visibility in the region, which, due to floral cover, ranged between 25-35% of the ground under dry soil conditions, made this the most practical methodology for effectively sampling the impact zone which will result from this project as planned.

## ENVIRONMENT

The project area will be located in the Remuda Basin area, south of US 128. This undulating landform is characterized by mesquite-anchored hummocks up to 1 meter in height. The area is drained by an unnamed draw flowing towards the salt lakes to the west. Local soils in the region consist of loams with gypsum, gravel and caliche inclusions. These soils are drained internally. Elevation in the project area is between 3020 ft and 3100 ft above sea level.

These plains are part of an environmental zone called the Lower Sonoran Life Zone. The most common plant varieties in the region are creosote bush (Larrea tridentata), mesquite (Prosopis juliflora), plains yucca (Yucca glauca), broom snakeweed (Gutierrezia sarothrae) and various grasses. Some of the common faunal types in area are mule deer (Odocoileus hemionus), pronghorn antelope (Antilocapra americana), jackrabbit (Lepus sp.), cottontail rabbit (Silvilagus sp.), coyote (Canis latrans), as well as other small mammals, birds and reptiles. Bison (Bison bison) also ranged in the region prior to their near-extinction in the nineteenth century.

### LOCATIONAL DATA

Texaco USA's proposed Remuda Basin "19" Federal No. 1 will measure 400 ft X 400 ft or 3.6 acres. It will be situated 660 ft from the north line and 660 ft from the east line, in the: NE1/4 NE1/4, section 19, T23S, R30E, NMPM, Eddy Co., N.M.

The access road to this well will measure 100 ft X 500 ft or 1.14 acres. It will be situated in the: NE1/4 NE1/4, section 19, T23S, R30E, NMPM, Eddy Co., N.M.

The powerline to this well will measure 100 ft X 8700 ft or 19.97 acre. It will be situated in the:

NE1/4 NE1/4, section 19, T23S, R30E, NMPM, Eddy Co., N.M.  
NW1/4 NE1/4, section 19, T23S, R30E, NMPM, Eddy Co., N.M.  
SW1/4 NE1/4, section 19, T23S, R30E, NMPM, Eddy Co., N.M.  
NW1/4 SE1/4, section 19, T23S, R30E, NMPM, Eddy Co., N.M.  
SW1/4 SE1/4, section 19, T23S, R30E, NMPM, Eddy Co., N.M.

The flowline to this well will measure 100 ft X 900 ft or 2.06 acres. It will be situated in the:

NE1/4 NE1/4, section 19, T23S, R30E, NMPM, Eddy Co., N.M.  
NW1/4 NE1/4, section 19, T23S, R30E, NMPM, Eddy Co., N.M.

The Remuda Basin "19" Federal No. 2 will measure 400 ft X 400 ft or 3.6 acres. It will be situated 510 ft from the north line and 1780 ft from the east line, in the: NW1/4 NE1/4, section 19, T23S, R30E, NMPM, Eddy Co., N.M.

The access road to this well will measure 100 ft X 500 ft or 1.14 acres. It will be situated in the:



The powerline to this well will measure 100 ft X 500 ft or 1.14 acres. It will be situated in the: NW1/4 NE1/4, section 19, T23S, R30E, NMPM, Eddy Co., N.M.

The flowline to this well will measure 100 ft X 500 ft or 1.14 acres. It will be situated in the: NW1/4 NE1/4, section 19, T23S, R30E, NMPM, Eddy Co., N.M.

The Tank Battery that will service these wells will measure 150 X 150 ft or 0.51 acre. It will be situated in the: NW1/4 NE1/4, section 19, T23S, R30E, NMPM, Eddy Co., N.M.

T  
Map Reference: USGS Remuda Basin Quadrangle, 7.5 Minute Series,  
1985.



## ARCHEOLOGICAL RESOURCES

On January 18, 1996, Pecos Archeological Consultants performed a literature search to determine if any archeological sites had already been recorded in the vicinity of the project area. Current BLM files and the National Register of Historic Places were consulted in this endeavor. No previously-recorded sites were found to occur in the project area.

### Observed Archeological Manifestations:

One archeological site, LA 112328, and four isolated manifestations (IMs) were recorded during this survey.

SITE NO. LA 112328

Location: NE1/4 NW1/4 NE1/4, SW1/4 NW1/4 NE1/4, SE1/4 NE1/4 NW1/4, NE1/4 SE1/4 NW1/4, section 19, T23S, R30E, Eddy County, N.M.  
UTM Coordinates: Zone 13, N3,573,500; E601,650  
Dimensions: 175m X 525m  
Temporality: Unknown, probably Prehistoric  
Elevation: 3040  
BLM Category: 2  
Map Reference: USGS Remuda Basin Quadrangle, 7.5 Minute Series, 1985.

Observations:

LA 112328 is located 3.25 miles S of US 128 and the United Salt potash mine, 5 miles SE of the Salt Lake, also known as Laguna Quatro, and 1.25 miles N of the Remuda Basin in Southeastern New Mexico. The nearest named drainage would be Remuda Basin, a huge subsidence structure that is characterized by deep cut erosion rills and arroyos, which flow inward and towards the center of the structure. Site orientation and aspect are probably towards an E to W flowing arroyo, which demarcates the site's Northern border. The West portion of the site and a cattle tank located W/SW of the site could have held seasonal water, and the topography suggests that seeps or springs could have arisen from lower areas of the site. The site is set on level and gently sloping areas around the previously-mentioned drainage that reaches to a low rise to the South, which in turn overlooks a gentle, Southward sloping plain that falls gradually to Remuda Basin. The site is generally devoid of microrelief and denuded to reveal gypsiferous soils with gypsum and caliche inclusions over gypsum and caliche bedrock, the last which is revealed by cutbanks of an East to West orientated road which bisects the site. Soils are generally 0.3m deep, and subsurface archeological manifestations are possible, as was

een in the case of a hearth, but it appears that the cultural assemblage is situated mainly on the ground surface.

Flora living on the site include a dominant overstory of creosote bush (Larrea tridentata), and crown of thorns (Koberlinia spinosa), yucca (Yucca glauca), and prickly pear cactus (Opuntia macrocentra). Site condition was observed to be "grazed".

Visible archeological remains include a large scatter of highly fragmented burned caliche, which ranges in density from one piece per 10 sq m to 5 pieces per sq m, with the site average being one piece per sq m. Also seen were two hearths; one was badly eroded and exhibited no subsurface remains, but the other, located on the N part of the site on a small hill (see site sketch map) contained ample datable carbon. The remainder of the site's assemblage is made up of lithics of all categories. The lithics were obviously procured from Ogallalan scree and exposures on the site; this portion of the cultural assemblage averaged one piece per 5 sq m for the site. One tan Edwards Plateau chert secondary decortication flake was recorded and could indicate Paleo activity there, although nothing of a similar nature was seen elsewhere.

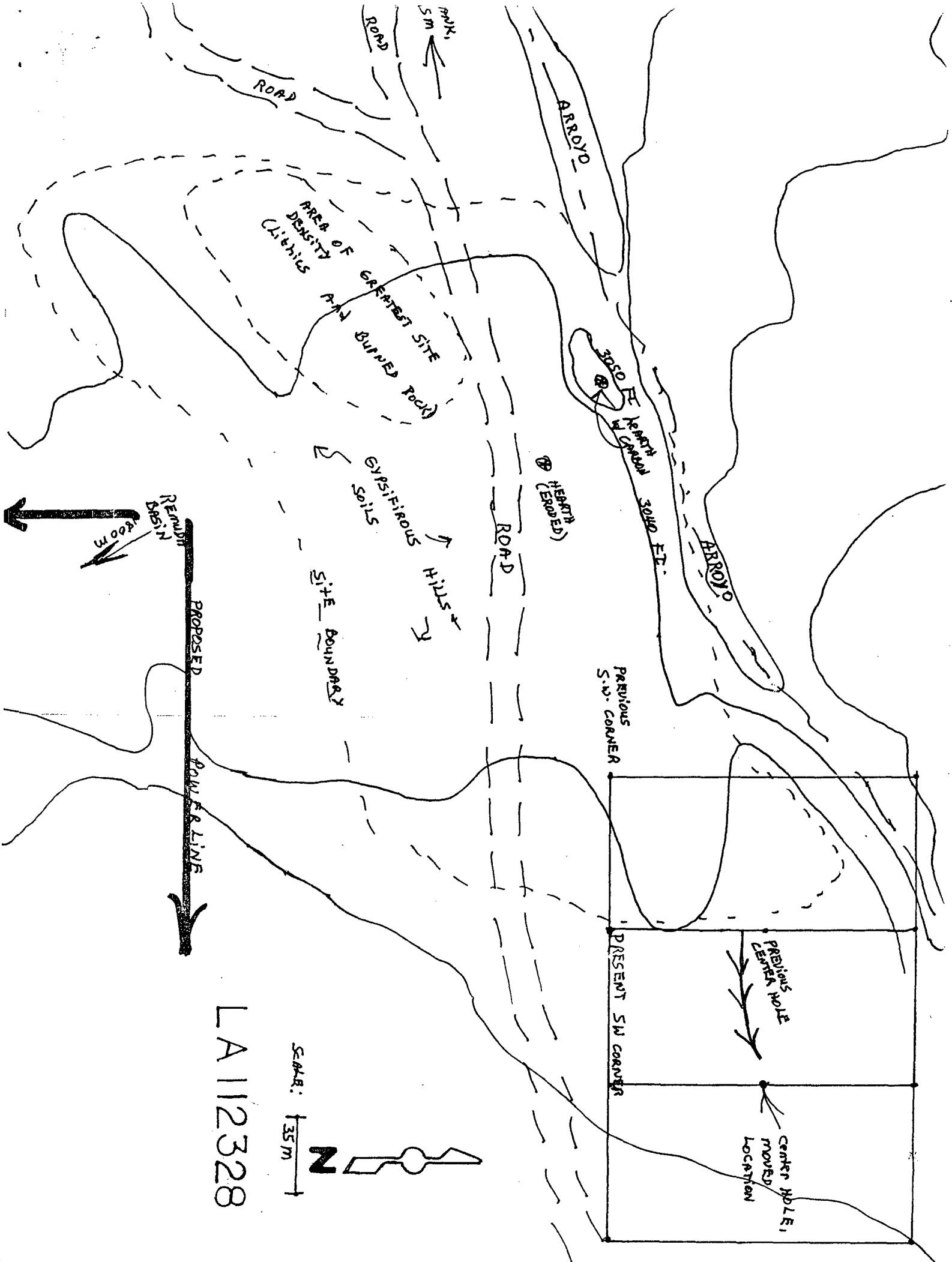
Freshwater bivalve shell was seen on two areas of the site within the area of greatest artifact concentration, on the Southwest site area (see site sketch map).

LA 112328 is a habitation site of which the activities are lithic procurement and modification, and food, probably vegetal and faunal, processing and consumption. Food was probably brought in to and procured

at the site, as is evidenced by the presence of freshwater bi valve shell. According to the accepted Roswell District site typology, LA 112328 is a type 1-C Multiple Use Locale.

National Register eligibility potential for the site is problematic on basis of a visual inspection of the ground; subsurface testing could establish or deny National Register eligibility. It is recommended, however, due to the subsurface archeological potential for the site, that the site be protected by keeping all surface construction disturbance from damaging the site.





### ISOLATED MANIFESTATIONS

Isolated Manifestation No. 1 (IM-1) consists of a tin can, a set of trailer or wagon springs and four pieces of board. It is located in a deflation on the tank battery at an elevation of 3050 ft above sea level. This is in the:

SE1/4 NW1/4 NE1/4, section 19, T23S, R30E, NMPM, Eddy Co., N.M.

Map Reference: USGS Remuda Basin Quadrangle, 7.5 Minute Series, 1985.

Isolated Manifestation No. 2 (IM-2) is a gray chert tertiary decortication flake in the 0-3 cm size category and one piece of thermally0-altered caliche. It is located on the No. 1 Powerline at an elevation of 3050 ft above sea level. This is in the:

NE1/4 SE1/4 NW1/4, section 19, T23S, R30E, NMPM, Eddy Co., N.M.

Map Reference: USGS Remuda Basin Quadrangle, 7.5 Minute Series, 1985.

Isolated Manifestation No. 3 (IM-3) consists of approximately 300 pieces of thermally-altered caliche in a 30 m X 30 m area with no associated organic remains. It is located on the powerline at an elevation of 3050 ft above sea level. This is in the:

SE1/4 SE1/4 NW1/4, section 19, T23S, R30E, NMPM, Eddy Co., N.M.

Map Reference: USGS Remuda Basin Quadrangle, 7.5 Minute Series, 1985.

Isolated Manifestation No. 4 (IM-4) is a white chert thinning flake in the 0-3 cm size category. It is located on the powerline at an elevation of 3050 ft above sea level, in the:

SW1/4 SE1/4 NW1/4, section 19, T23S, R30E, NMPM, Eddy Co., N.M.

Map Reference: USGS Remuda Basin Quadrangle, 7.5 Minute Series, 1985.

## RECOMMENDATIONS

Due to the presence of LA 112328 within the impact zone of the well pad for the Remuda Basin "19" Fed. Well No. 2, clearance for the project is recommended only if the site is avoided. This can be accomplished as follows:

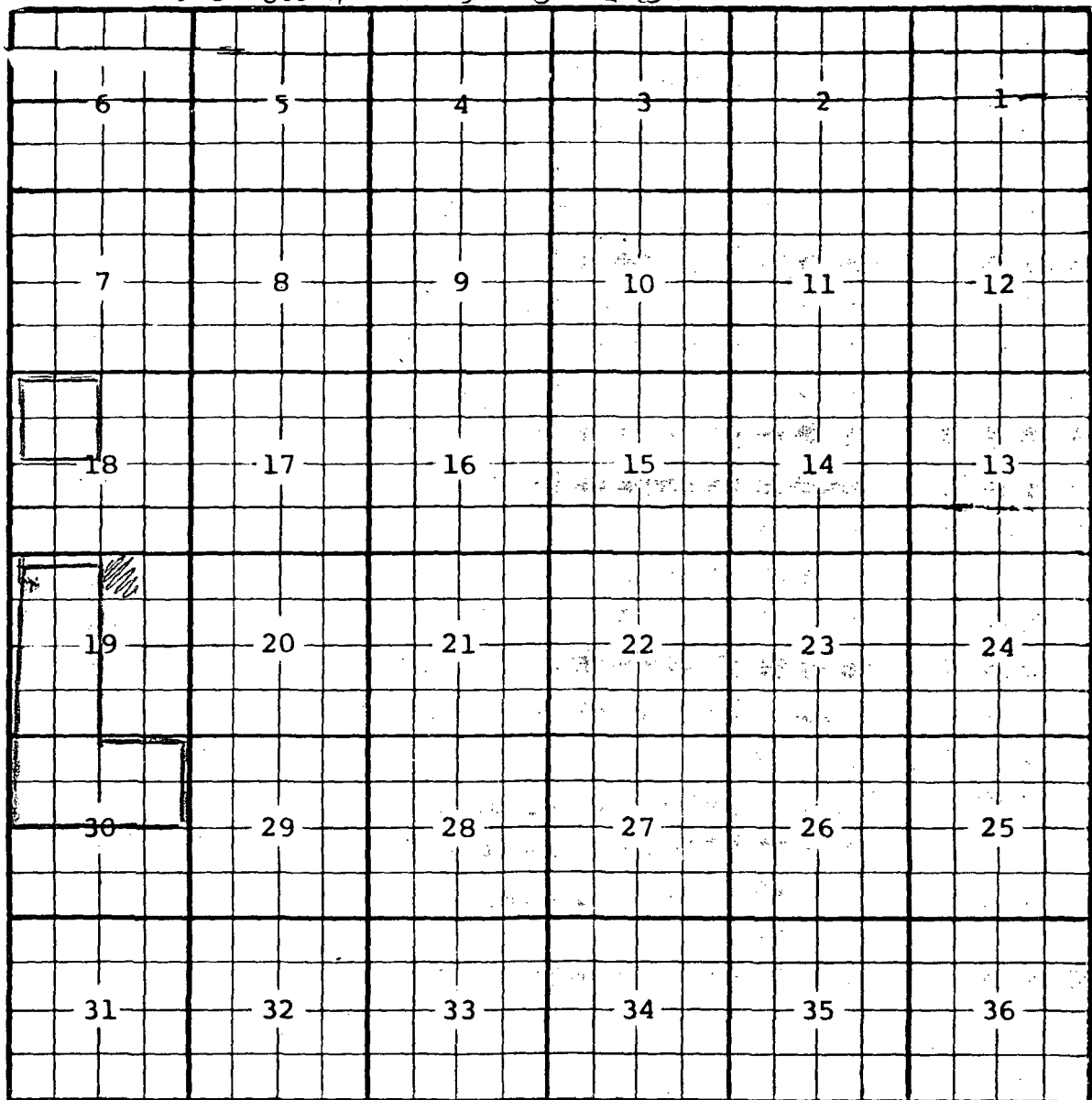
TEXACO has agreed to move the drill location 200 ft to the East, thus avoiding the site. Further, a barrier fence should be erected on the West side of the drill location prior to construction of the pad. The fence should be a permanent one, so as to avoid damage to the site by later secondary oilfield traffic.

Due to the thin nature of the soils in the vicinity of the proposed well pad, monitoring of site construction is not recommended.

These recommendations are made on the basis of a surface inspection of the project area. Should subsurface cultural remains be present, which is unlikely for this particular area of the project, they would not be detected without extensive subsurface testing.

County Eddy Pool Nash Draw-Brushy Canyon

TOWNSHIP 23 South Range 30 East - NMPM



Ext. <sup>NW</sup>/<sub>4</sub> Sec. 18 (R-10042, 12-28-93) Ext. <sup>W</sup>/<sub>2</sub> Sec. 19, <sup>N</sup>/<sub>2</sub> Sec. 30 (R-10459, 9-11-95)

<p>28</p> <p>Richardson Oil HBU 064829</p>	<p>27</p> <p>Thru Line Inc. HBU 064829</p>	<p>26</p> <p>Richardson Oil HBU 064829</p>	<p>25</p> <p>Texaco HBP 064829</p>	<p>24</p> <p>Texaco HBP 064829</p>	<p>23</p> <p>Texaco HBP 064829</p>	<p>22</p> <p>Texaco HBP 064829</p>	<p>21</p> <p>Texaco HBP 064829</p>	<p>20</p> <p>Texaco HBP 064829</p>	<p>19</p> <p>Texaco HBP 064829</p>	<p>18</p> <p>Texaco HBP 064829</p>	<p>17</p> <p>Texaco HBP 064829</p>	<p>16</p> <p>Texaco HBP 064829</p>	<p>15</p> <p>Texaco HBP 064829</p>	<p>14</p> <p>Texaco HBP 064829</p>	<p>13</p> <p>Texaco HBP 064829</p>	<p>12</p> <p>Texaco HBP 064829</p>	<p>11</p> <p>Texaco HBP 064829</p>	<p>10</p> <p>Texaco HBP 064829</p>	<p>9</p> <p>Texaco HBP 064829</p>	<p>8</p> <p>Texaco HBP 064829</p>	<p>7</p> <p>Texaco HBP 064829</p>	<p>6</p> <p>Texaco HBP 064829</p>	<p>5</p> <p>Texaco HBP 064829</p>	<p>4</p> <p>Texaco HBP 064829</p>	<p>3</p> <p>Texaco HBP 064829</p>	<p>2</p> <p>Texaco HBP 064829</p>	<p>1</p> <p>Texaco HBP 064829</p>
<p>28</p> <p>Richardson Oil HBU 064829</p>	<p>27</p> <p>Thru Line Inc. HBU 064829</p>	<p>26</p> <p>Richardson Oil HBU 064829</p>	<p>25</p> <p>Texaco HBP 064829</p>	<p>24</p> <p>Texaco HBP 064829</p>	<p>23</p> <p>Texaco HBP 064829</p>	<p>22</p> <p>Texaco HBP 064829</p>	<p>21</p> <p>Texaco HBP 064829</p>	<p>20</p> <p>Texaco HBP 064829</p>	<p>19</p> <p>Texaco HBP 064829</p>	<p>18</p> <p>Texaco HBP 064829</p>	<p>17</p> <p>Texaco HBP 064829</p>	<p>16</p> <p>Texaco HBP 064829</p>	<p>15</p> <p>Texaco HBP 064829</p>	<p>14</p> <p>Texaco HBP 064829</p>	<p>13</p> <p>Texaco HBP 064829</p>	<p>12</p> <p>Texaco HBP 064829</p>	<p>11</p> <p>Texaco HBP 064829</p>	<p>10</p> <p>Texaco HBP 064829</p>	<p>9</p> <p>Texaco HBP 064829</p>	<p>8</p> <p>Texaco HBP 064829</p>	<p>7</p> <p>Texaco HBP 064829</p>	<p>6</p> <p>Texaco HBP 064829</p>	<p>5</p> <p>Texaco HBP 064829</p>	<p>4</p> <p>Texaco HBP 064829</p>	<p>3</p> <p>Texaco HBP 064829</p>	<p>2</p> <p>Texaco HBP 064829</p>	<p>1</p> <p>Texaco HBP 064829</p>