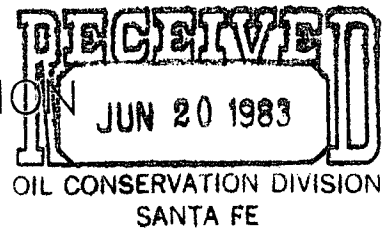


STEVENS OPERATING CORPORATION

118 WEST FIRST STREET  
P. O. BOX 2203  
ROSWELL, NEW MEXICO 88201



June 15, 1983

DON STEVENS  
CURTIS STEVENS  
505-622-7273

*1712*

Mr. Joe D. Ramey, Secretary-Director  
New Mexico Oil Conservation Division  
P.O. Box 2088  
Santa Fe, New Mexico 87501

RE: Sorenson "IB" Fed #4  
Lease #NM-15289  
Sec 6-T7S-R26E  
2248' FSL & 1989' FEL  
Chaves Co., NM

Dear Sir:

Stevens Operating Corporation has no objections to the unorthodox location of the Sorenson "IB" Fed #4, as provided for under MNOCD Rule 104F.

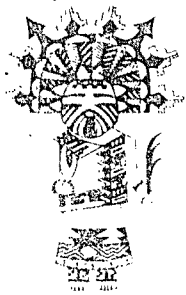
Very truly yours,

A handwritten signature in dark ink, appearing to read "Wilbur D. Wilson".

Wilbur D. Wilson,  
Exploration Manager

bc/WDW

cc:Ken Beardemphl,  
Yates Petroleum Corp.

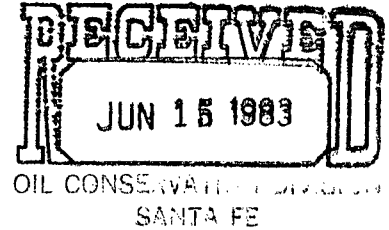


NMAS  
New Mexico Archaeological Services, Inc.

P. O. Box 1341

Carlsbad, New Mexico 88220

(505) 887-7646



Reconnaissance  
Excavation  
Analysis  
Explanation  
Curation

13 June 1983

Mr. Ken Beardemphl  
Regulatory Agent  
YATES PETROLEUM CORPORATION  
207 South 4th Street  
Artesia, New Mexico 88210

Dear Mr. Beardemphl:

Enclosed please find NMAS' Archaeological Clearance Report for YATES PETROLEUM CORPORATION's Sorenson "IB" Well No. 4 in Chaves County, New Mexico. One archaeological site (NMAS 5526) was recorded during this reconnaissance. NMAS is suggesting clearance for this project provided the archaeological reconnaissance is avoided.

If you have any questions pertaining to this report, please call my office. Thank you for asking NMAS to do this reconnaissance.

Yours sincerely,

Dr. J. Loring Haskell  
Principal Investigator

Enclosure

cc: Ms. Ann Ramage, BLM, Roswell  
Mr. George Stewart, USGS, Roswell  
Mr. Curtis Schaafsma, Laboratory of Anthropology,  
Santa Fe  
Mr. Thomas W. Merlan, SHPO, Santa Fe

as

Archaeological Clearance Report  
for

YATES PETROLEUM CORPORATION

Sorenson "IB" Federal Well No. 4

Prepared

By

Dr. J. Loring Haskell

Submitted

By

Dr. J. Loring Haskell  
Principal Investigator  
New Mexxico Archaeological Services, Inc.  
Carlsbad, New Mexico

13 June 1983

Permit No. 82-NM-376

# ABSTRACT

New Mexico Archaeological Services, Inc., representing YATES PETROLEUM CORPORATION, Artesia, undertook an archaeological reconnaissance of Bureau of Land Management lands scheduled to be impacted by the construction of a drill location. The proposed work will be situated in Section 6, T7S, R26E, NMPM, Chaves County, New Mexico. Cultural properties consist of one archaeological site (NMA5 5526). NMA5 is suggesting clearance for YATES PETROLEUM CORPORATION's proposed work.

## Introduction

On 7 June 1983, New Mexico Archaeological Services, Inc., (NMAS), Carlsbad, undertook for YATES PETROLEUM CORPORATION, Artesia, an archaeological reconnaissance of federal lands administered by the Bureau of Land Management in Chaves County, New Mexico. The reconnoitered area will be impacted by the construction of a drill location. This project was advanced by Mr. Ken Beardemphl, Regulatory Agent, YATES PETROLEUM CORPORATION, and administered by Dr. J. Loring Haskell, Principal Investigator, NMAS, Inc. This reconnaissance was undertaken by Dr. Haskell.

## Survey Technique

For this investigation, YATES PETROLEUM CORPORATION's proposed location was reconnoitered for evidence of man's past activities by walking it in a series of 25 ft wide, close interval (15° or less), zigzag transects. In addition, an added zone embracing to 20 ft on each side of the staked 400 X 400 ft location and lying outside the bounds of the proposed work area, was reconnoitered by a similar means. Methodologically, this procedure served to promote optimal conditions for the visual examination of areas to be impacted by construction-related activities.

Sorenson "IB" Federal Well No. 4

## Location

The proposed location will measure 400 X 400 ft (Actual Area Surveyed 4.44 Acres) on federal lands and will be situated 2248 ft from the south line and 1989 ft from the east line of:

Section 6, T7S, R26E, NMPM, Chaves County, NM

Thus it will be situated in the:

NW $\frac{1}{4}$ SE $\frac{1}{4}$ , Section 6, T7S, R26E, NMPM, Chaves County, NM

This location is situated adjacent to a county road.

Map Reference: USGS EIGHTMILE DRAW QUADRANGLE, 7.5 Minute Series,  
1962.

### Terrain

YATES PETROLEUM CORPORATION's proposed work will be situated on the north-facing shoulder of a low ridge lying due south of Fivemile Draw and west of the Pecos River flood plain. Locally, this landform is distinguished by a continuous system of minor hummocks with micro-relief averaging 0.25 m. Hummocks are separated by denuded areas which are subject to the effects of ephemeral sheetwash. Rills and some gullying are characteristic of these places. Immediately to the north and to a lesser extent to the east these features are more pronounced owing to increased gradient. Soil individuals, composed of clay loams, silty clay loams and sandy clay loams, commonly harbor gravel-sized inclusions with cobble-sized quartzites increasing in frequency toward the north end east.

### Floristics

Principal components of the floral community's overstory are Prosopis juliflora and Atriplex canescens. Attendant forbs are Croton sp., Perezia nana, Dyssodia sp., Zinnia acerosa, Mentzelia sp., and Euphorbia sp. The Gramineae is represented in the immediate vicinity by Bouteloua sp., Hilaria mutica, Muhlenbergia porterii, and Tridens pulchellus.

### Cultural Resources

During the course of this reconnaissance, one archaeological site (NMA5 5526) was recorded.

NMAS 5526

Location: NE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ , Section 6, T7S, R26E, NMPM, Chaves County, NM

UTM: Zone 13, N3,732,860; E561,790

Map Reference: USGS EIGHTMILE DRAW QUADRANGLE, 7.5 Minute Series,  
1962

Ownership: Bureau of Land Management

Dimension of Resources: 120 X 240 m

Typological Designation: Occupation Zone

Authorship/Temporality: Unknown

Nature of Cultural Resources: NMAS 5526, a large occupation zone, is situated on the upper slope of a low ridge which serves to demarcate the southern edge of Fivemile Draw. Locally, this landform is subject to intense sheetwash. Erosional activity has exposed screes of quartzite cobbles which occur principally in and near gullies. Resources, occurring in the form of a light and extensive lithic scatter, are situated mainly to runoff. For these resources, many of the observed remains have been rolled. Cultural properties, mostly derived from quartzite, include primary decortication flakes, secondary decortication flakes, thinning flakes, occasional unprepared cores, hammerstones, and tabular flakes. Additionally, one highly eroded fire hearts composed of heat-fractured quartzite cobbles was noted. No diagnostic artifacts were observed. Many of the quartzite primary- and secondary-decortication flakes do evidence signs of retouch. While present, artifactual remains derived from chert are not particularly common. NMAS 5526 has been impacted by the construction of the existing county road.

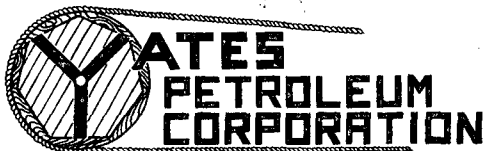
Further work at this site should focus on methods of flaked-tool manufacture and the overall make up of the occupation zone.

in terms of discrete sets of work-related activities. Owing to its location next to the Orchard Park Terrace, diagnostic type artifacts may be present, i.e., possibly a potsherd, or two, or even a projectile point.

#### Recommendations

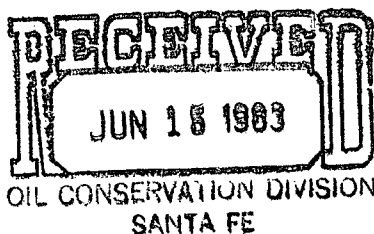
NMAS suggests clearance for YATES PETROLEUM CORPORATION's proposed location provided NMAS 5526 is avoided. Whereas YATES' proposed pad will measure 230 X 230 ft, its presence should not pose a problem. Work-related activities and vehicular traffic, however, should be confined to the area west of the transmission line. If additional cultural properties are encountered during construction, the BLM and NMAS should be notified immediately. Men and materiel are to avoid the archaeologically sensitive area. Clearance, of course, is granted by the Bureau of Land Management.





207 SOUTH FOURTH STREET  
ARTESIA, NEW MEXICO 88210

TELEPHONE (505) 748-1331



S. P. YATES  
PRESIDENT  
MARTIN YATES, III  
VICE PRESIDENT  
JOHN A. YATES  
VICE PRESIDENT  
B. W. HARPER  
SEC. TREAS.

JUNE 8, 1983

Mr. JOE D. RAMEY, SECRETARY-DIRECTOR  
NEW MEXICO OIL CONSERVATION DIVISION  
P. O. Box 2088  
SANTA FE, NEW MEXICO 87501

*NSL 1710  
Rule 104F  
7-5-83*

Re: SORENSON "IB" FED #4  
LEASE #NM-15289  
SECTION 6-T7S-R26E  
2248' FSL & 1989' FEL  
CHAVES COUNTY NM

DEAR SIR,

YATES PETROLEUM CORPORATION WOULD APPRECIATE AN ADMINISTRATIVE APPROVAL FOR A PROPOSED UNORTHODOX ~~ABO GAS WELL~~ LOCATION AS PROVIDED FOR UNDER NMOCD RULE 104F.

OUR PREFERRED LOCATION FOR THIS WELL WAS 1980' FSL AND 1980' FEL. REASONS FOR REQUESTING THE NON-STANDARD LOCATION INCLUDE THE FOLLOWING:

1. AN ARCHAEOLOGICAL FIND.
2. POWER LINES 80' NORTH OF THE LOCATION.

ENCLOSED PLEASE FIND A COPY OF THE LEASE MAP SHOWING OFFSETTING LEASE OPERATORS, A TOPOGRAPHICAL MAP OF THE AREA AND AN ARCHAEOLOGICAL REPORT. OFFSETTING LEASE OPERATORS HAVE BEEN NOTIFIED OF OUR INTENTIONS BY CERTIFIED MAIL, VIA A XEROX COPY OF THIS LETTER.

FORMATIONS WE EXPECT TO DRILL THROUGH ARE: SAN ANDRES, GLORIETA, FULLERTON, ABO.

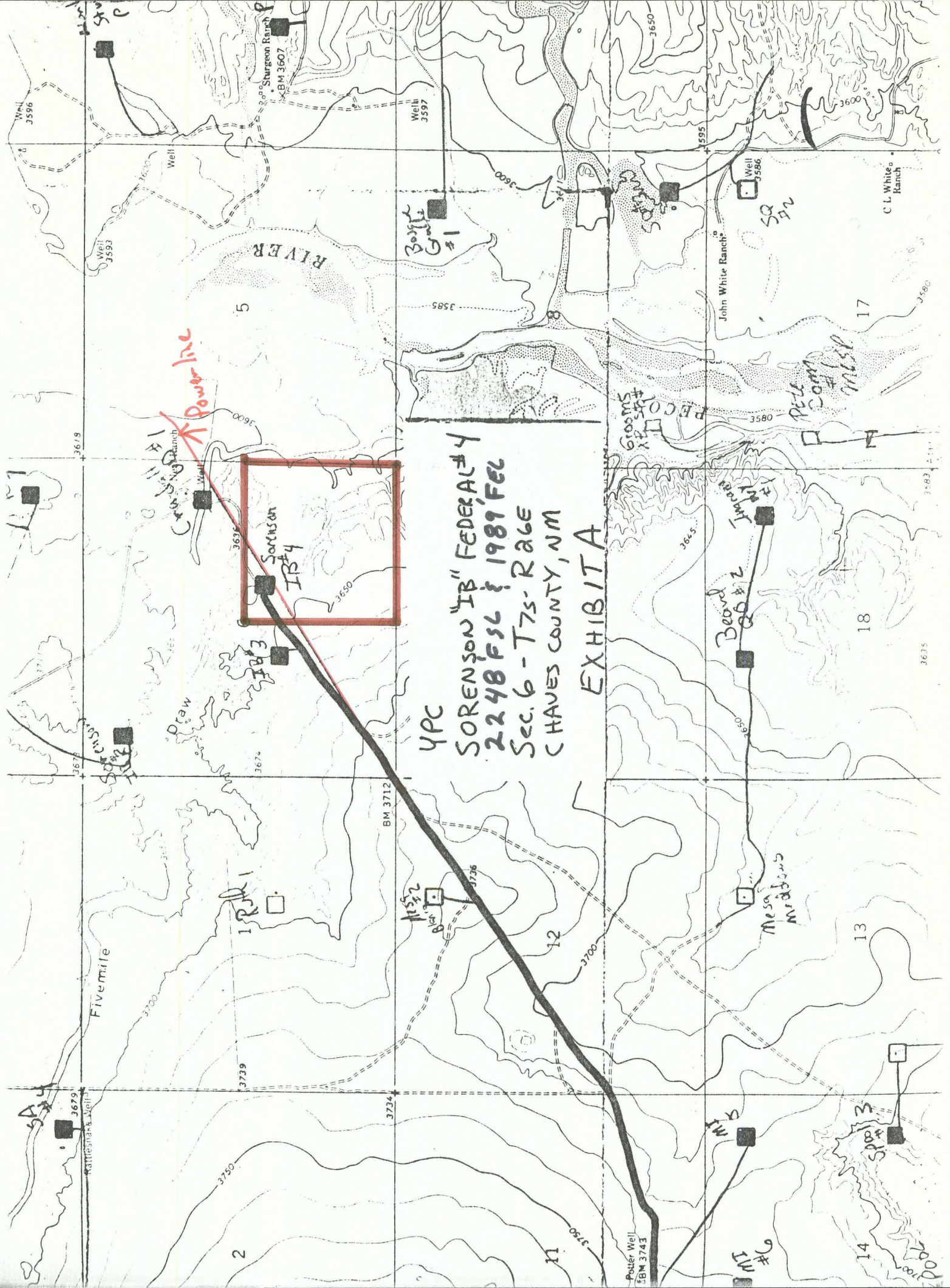
THANK YOU FOR YOUR HELP IN THIS MATTER.

SINCERELY,  
  
KEN BEARDEMPHL  
REGULATORY AGENT  
YATES PETROLEUM CORPORATION

KB/DW

ENCLOSURES

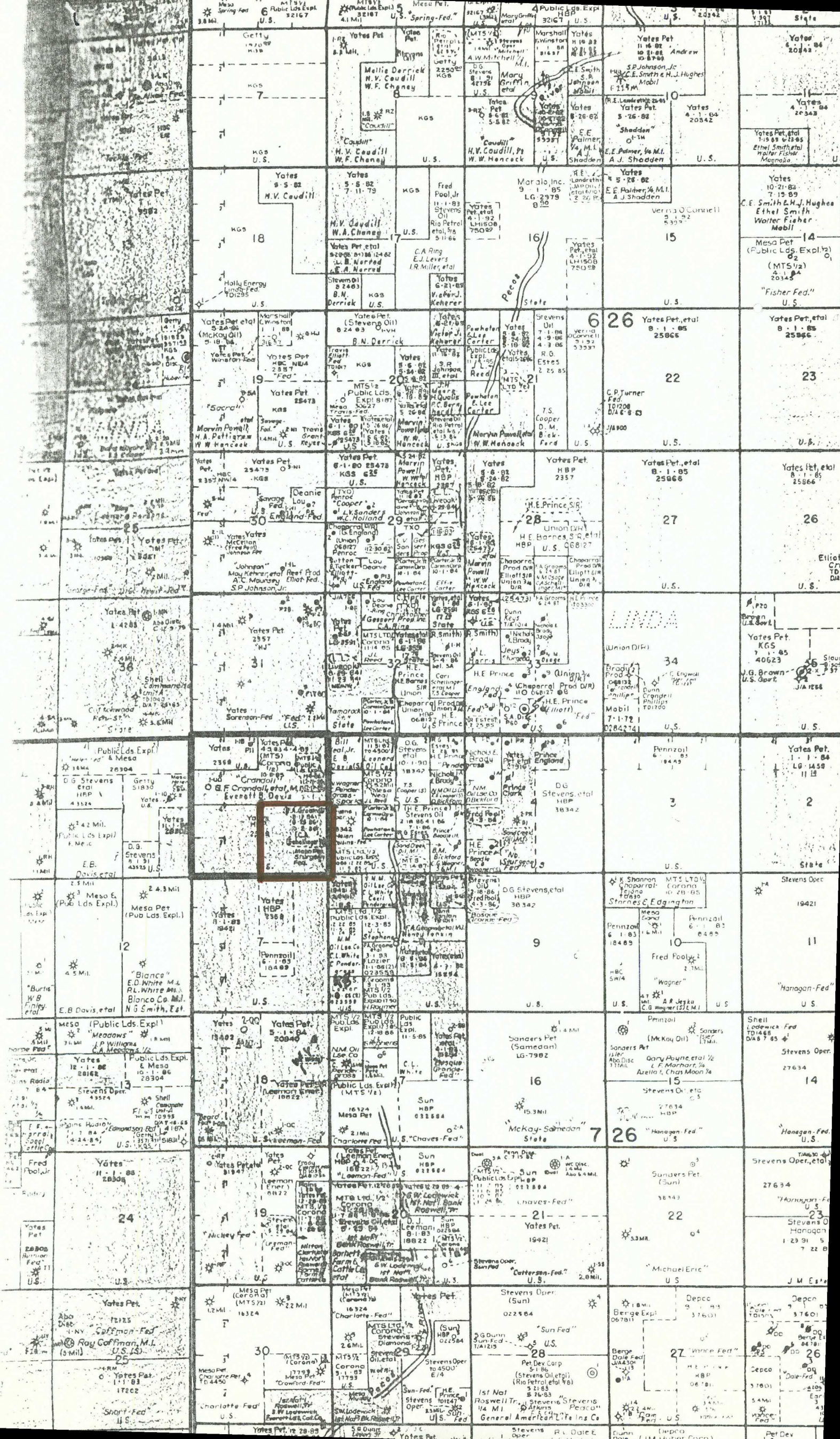
XC: MTS, LTD. AND STEVENS OIL Co.



YPC  
SORENSEN "IB" FEDERAL #4  
2248 FSL & 1989 FEL  
SEC. 6 - T7S-R4E  
CHAVES COUNTY, NM

EXHIBIT A







P 289 074 036

RECEIPT FOR CERTIFIED MAIL

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

PS Form 3800, Apr. 1976

|   |  |                                    |  |
|---|--|------------------------------------|--|
| SENT TO   |  | MIS Limited Partnership            |  |
| STREET AND NO.  |  | 26 West Petroleum                  |  |
| P.O. STATE AND ZIP CODE   |  | 1002 Leach Rd<br>Midland, TX 79701 |  |
| CERTIFIED FEE   |  | c                                  |  |
| CONSULT POSTMASTER FOR FEES   |  |                                    |  |
| OPTIONAL SERVICES   |  |                                    |  |
| RETURN RECEIPT SERVICE  |  |                                    |  |
| SPECIAL DELIVERY  |  | c                                  |  |
| RESTRICTED DELIVERY   |  | c                                  |  |
| SHOW TO WHOM AND DATE DELIVERED                                     |  | c                                  |  |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY                          |  | c                                  |  |
| SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY            |  | c                                  |  |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY |  | c                                  |  |
| TOTAL POSTAGE AND FEES  |  | \$                                 |  |
| POSTMARK OR DATE  |  | 6/14/83                            |  |

CERTIFIED

P 289074 036

MAIL

P 289 074 035

RECEIPT FOR CERTIFIED MAIL

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

PS Form 3800, Apr. 1976

|   |  |                    |  |
|---|--|--------------------|--|
| SENT TO   |  | Stellens Oil Co.   |  |
| STREET AND NO.  |  | Box 2203           |  |
| P.O. STATE AND ZIP CODE   |  | KOSUWELL, NM 88201 |  |
| POSTAGE   |  | \$                 |  |
| CONSULT POSTMASTER FOR FEES   |  |                    |  |
| OPTIONAL SERVICES   |  |                    |  |
| RETURN RECEIPT SERVICE  |  |                    |  |
| SPECIAL DELIVERY  |  | c                  |  |
| RESTRICTED DELIVERY   |  | c                  |  |
| SHOW TO WHOM AND DATE DELIVERED                                     |  | c                  |  |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY                          |  | c                  |  |
| SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY            |  | c                  |  |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY |  | c                  |  |
| TOTAL POSTAGE AND FEES  |  | \$                 |  |
| POSTMARK OR DATE  |  | 6/14/83            |  |

CERTIFIED

P 289074 035

MAIL