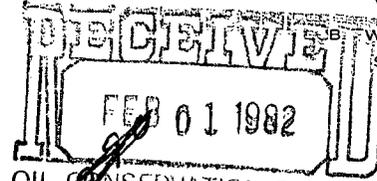




**YATES
PETROLEUM
CORPORATION**
207 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 748-1331

NSL-1492

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



January 28, 1982
SANTA FE

*NSL
Rule 104F
Abso formation
2-27-82*

Mr. Joe Ramey, Secretary-Director
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87503

Re: Amendment to Letter of 12/7/81
Leeman "OC" Federal #2
1000' FNL & 2160' FEL
Sec. 19-T7S-R26E

Dear Sir:

Yates Petroleum Corporation seeks administrative approval of an unorthodox gas well location as provided for under NMOCD Rule 104F. Subject wellsite is our Leeman "OC" Federal #2, located 1000' FNL and 2160' FEL of Section 19 - Township 7S - Range 26E in Chaves County, New Mexico. The northeast quarter of the section is dedicated to the well.

A standard location would have fallen on the edge of a ravine with an archaeological find to the south. Enclosed is a topographical plat and lease map showing offsetting lease holders. The proposed location was recommended by the archaeologist and is acceptable to Yates Petroleum Corporation.

Offset lease owners are notified by a certified copy of this letter and asked to submit waivers to the non-standard spacing to the NMOCD in Santa Fe.

Thank you for your help in this matter.

Sincerely,
Gliserio Rodriguez
Gliserio Rodriguez
Regulatory Manager
Yates Petroleum Corporation

GR/dw
enclosures
cc

WAIVER:

We have no objection to producing the above captioned well, in the non-standard location, and hereby grant waiver for Yates Petroleum Corporation to do so.

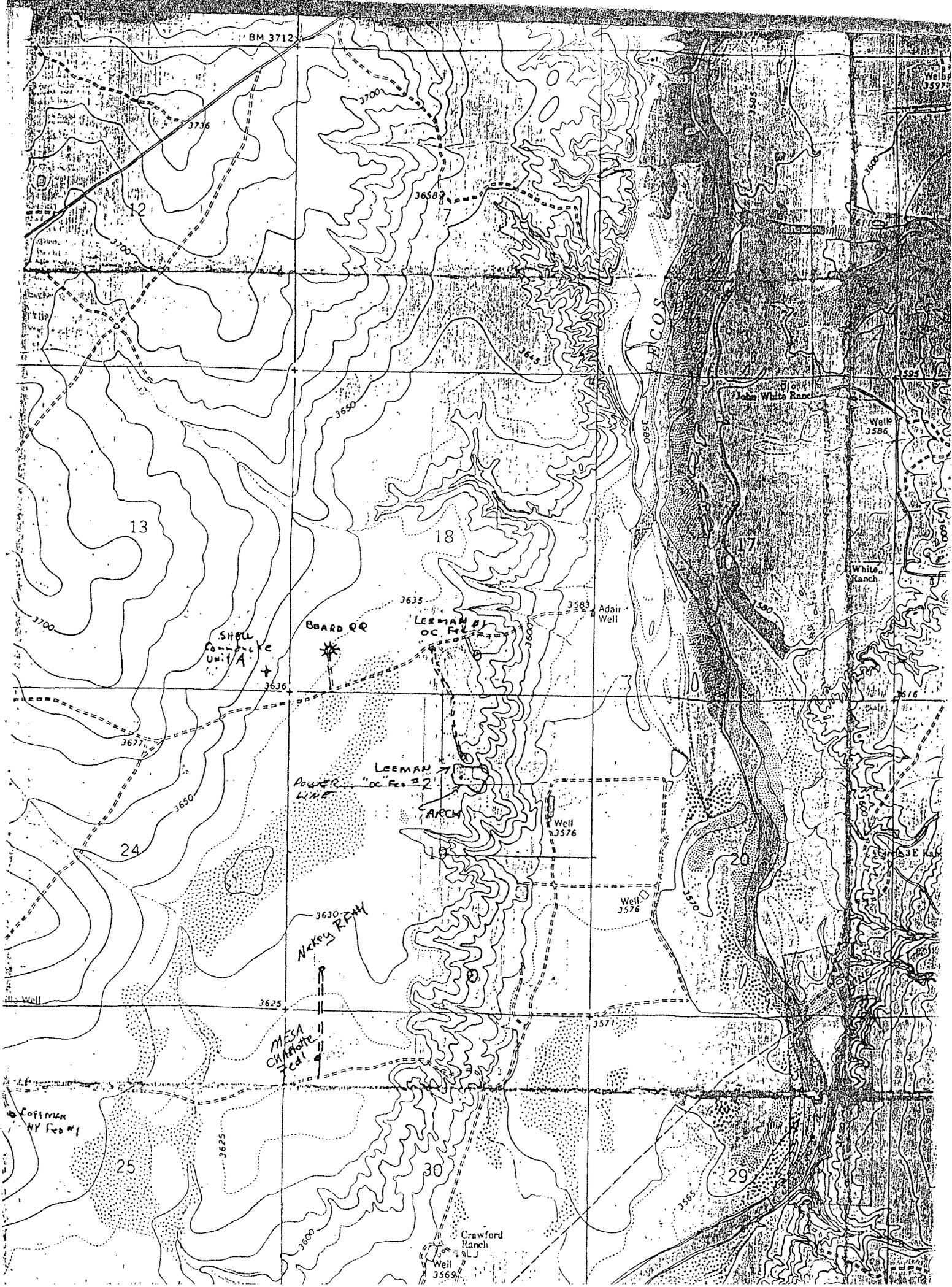
P20 2432895

RECEIPT FOR CERTIFIED MAIL

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

SENT TO		
<i>MTS Ltd. Partnership</i>		
STREET AND NO.		
<i>1000 Vaughn Bldg.</i>		
P.O., STATE AND ZIP CODE		
<i>ARTESIA, NM 88210</i>		
POSTAGE	\$	
CONSULT POSTMASTER FOR FEES	CERTIFIED FEE	c
	SPECIAL DELIVERY	c
	RESTRICTED DELIVERY	c
	OPTIONAL SERVICES	
	RETURN RECEIPT SERVICE	
	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		
<i>1/28/82</i>		

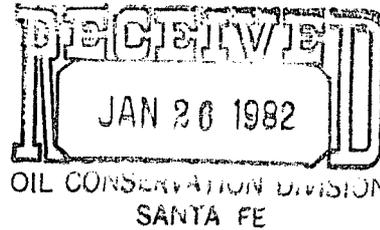
PS Form 3800, Apr. 1976





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.

January 20, 1982

Mr. Dick Stamets
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87503

Re: Leeman "OC" Federal #2
1000' FNL & 2210' FEL
Sec. 19-T7S-R26E

Dear Mr. Stamets,

Enclosed please find a copy of the archaeological report, from New Mexico Archaeological Services, stating that the originally proposed site for the Leeman "OC" Federal #2 be avoided due to an archaeological find. I have also included a topographical map showing that the well site would fall on the edge of a ravine.

The formations we will be drilling through will include the San Andres, Glorieta, Fullerton and Abo zones.

Offset lease operators have been notified by certified mail and copies of the certification receipts are enclosed.

If further information is needed we will be happy to oblige.

Sincerely,


Gliserio Rodriguez
Regulatory Manager
Yates Petroleum Corporation

GR/dw
enclosures



NMAS

New Mexico Archaeological Services, Inc.

P. O. Box 1341

Carlsbad, New Mexico 88220

(505) 887-7646



Reconnaissance
Excavation
Analysis
Explanation
Curation

26 September 1981

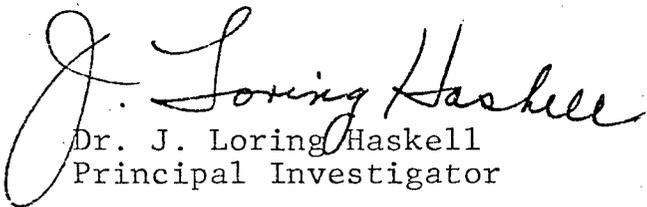
Mr. Rod Rodriguez
Regulatory Manager
YATES PETROLEUM CORPORATION
207 South 4th Street
Artesia, New Mexico 88210

Dear Mr. Rodriguez:

Enclosed please find NMAS' Archaeological Clearance Report for YATES PETROLEUM CORPORATION's proposed Leeman "OC" Federal Well No. 2 and its associated access road in Chaves County, New Mexico. One archaeological site, NMAS 5188, five isolated cultural occurrences (CR), and amorphous scatter of burned- and fire-cracked cobbles (BC) were recorded during this reconnaissance. Clearance is suggested provided the site is avoided; please consult our report for the suggested mitigation.

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

Leeman "OC" Federal Well No. 2

Prepared

By

John C. Haight

and

J. Loring Haskell

Submitted

By

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

26 September 1981

Permit No. 81-NM-306

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 and its associated access road. The investigated areas are situated in Sections 18 and 19, T7S, R26E, NMPM, Chaves County, New Mexico. One archaeological site, (NMA5188), five isolated cultural occurrences, (CR) and an amorphous scatter of burned- and fire-cracked caliche cobbles and gravels (BC) were recorded during this reconnaissance. Clearance is suggested provided the archaeological site is avoided.

Introduction

On 22 September 1981, 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 and its associated access road. This project was advanced by Mr. Rod Rodriguez, Regulatory Manager, YATES PETROLEUM CORPORATION, and administered by Dr. J. Loring Haskell, Principal Investigator, NMAS, Inc. This reconnaissance was undertaken by Mr. John C. Haight, Research Assistant, NMAS.

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 hence lying outside the bounds of the proposed work area, was reconnoitered by a similar means. As for the access road, it was walked in two 25 ft wide transects. Methodologically, this procedure served to promote optimal conditions for the visual examination of areas to be impacted by construction-related activities.

Leeman "OC" Federal Well No. 2

Location

The proposed location will measure 400 X 400 ft on federal lands and will be situated 1350 ft from the north line and 2210 ft from the east line of:

Section 19, T7S, R26E, NMPM, Chaves County, NM

Thus it will be situated in the:

SW¼NE¼, Section 19, T7S, R26E, NMPM, Chaves County, NM

The associated access road will measure approximately 20 X 2640 ft and will be situated in the:

SE $\frac{1}{4}$ SW $\frac{1}{4}$, Section 18, T7S, R26E, NMPM, Chaves County, NM
 SW $\frac{1}{4}$ SE $\frac{1}{4}$, Section 18, T7S, R26E, NMPM, Chaves County, NM
 NW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 19, T7S, R26E, NMPM, Chaves County, NM
 SW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 19, T7S, R26E, NMPM, Chaves County, NM

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

Terrain

YATES PETROLEUM CORPORATION's proposed location will be situated near the crest of a locally prominent ridge which overlooks the Pecos Valley to the east. The coeval surface is marked by the occurrence of slightly compacted sandy clay loams and clay loams. Soil individuals host chert, quartzite, and limestone inclusions of cobbles size. Areal drainage is to the east and moves as a result of sheetwash which tends to coalesce toward the east into a braided network of minor water channels.

Floristics

The floral assemblage is composed of a mixed stand of Prosopis juliflora, Yucca glauca, and Artiplex canescens. Associated forbs include Gutierrezia sarothrae, Senecio sp., Eriogonum annuum, and an unidentified member of the Compositae. The Gramineae is represented chiefly by Aristida sp., Cenchrus incertus, Muhlenbergia porteri, Sporobolus flexuosus, and Tridens pulchellus.

Cultural Resources

One archaeological site, NMAS 5188, and four isolated cultural resources (CR) were recorded during the course of this reconnaissance. CR 1, consists of a chert core approximately at a point 200 ft west of the center stake. It is situated in the:

NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 19, T7S, R26E, NMPM, Chaves County, NM

UTM: Zone 13, N3, 728,460; E561,590

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

CR 2 consists of a Jornada Mogollon chert project point (collected) at a point approximately 100 ft west of the center stake. It is basically triangular in shape with slightly convex blade edges. Notches are side opposed with the base slightly concave; it measures 2 X .2 X 1.2 cm (length, breadth, width). It is situated in the:

NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 19, T7S, R26E, NMPM, Chaves County, NM

UTM: Zone 13, N3,728,460; E561,620

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

CR 3 consists of a quartzite secondary deocortication flake at a point approximately 100 ft south of the center stake. It is situated in the:

NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 19, T7S, R26E, NMPM, Chaves County, NM

UTM: Zone 13, N3,728,430; E561,660

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

CR 4 consists of one chert core and an amorphous scatter of burned limestone cobbles and gravels at a point approximately 300 ft north of the center stake. It is situated in the:

SW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$, Section 19, T7S, R26E, NMPM, Chaves County, NM

UTM: Zone 13, N3,728,540; E561,700

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

NMAS 5788

Location; NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 19, T7S, R26E, NMPM, Chaves County, NM

UTM: Zone 13, N3,728,450; E561,690

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

Ownership: Bureau of Land Management

Dimension of Resources: 61 X 91 m

Typological Designation: Task Locus

Temporality: Unknown (possibly Jornada Mogollon)

Nature of Cultural Resources: NMAS 5188, a task locus, is situated 200 ft east of the center stake on the crest of a prominent ridge overlooking the Pecos River to the east. Resources consist of three concentrations of burned- and fire-cracked limestone cobbles and gravels, chert and quartzite cores and exhausted cores of these materials, quartzite hammerstone, and chert and quartzite primary and secondary decortication flakes as well as spalls. Specific tasks conducted at this site include probable stone-tool manufacture and cooking-related activities. Owing to the concentrations of cultural material, this site has been termed a task locus. While cultural and temporal parameters cannot be given due to the absence of diagnostic artifacts, the area is known to have been used by the Jornada Mogollon in the past. For example, a Jornada Mogollon projectile point was collected west of the site (CR 2 of this report).

Further examination of this site should further our understanding of stone-tool manufacture in the Middle Pecos River Valley. Additional analysis of the flaked material should illuminate the nature of intra-site variability and hence discrete work areas.

Recommendations

NMAS is suggesting clearance for YATES PETROLEUM CORPORATION's proposed Leeman "OC" Federal Well No. 2 provided the archaeological site is avoided. This can be accomplished by shifting the location 350 ft to the north and 100 ft to the east.i.e., 1000 FNL and 2110 FEL (Fig. 1). This area was

reconnoitered and one additional isolated cultural resource (CR) and a light scatter of burned caliche cobbles (BC), near the northeast corner, of the new location were recorded. CR 5, consisting of a chert primary decortication flake, is situated at a point approximately 200 ft east-southeast of the new location. It is situated in the:

SW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 19, T7S, R26E, NMPM, Chaves County, NM

UTM: Zone 13, N3,728,530; E561,760

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

Clearance, of course, is granted by the Bureau of Land Management. If additional cultural resources are encountered, the BLM and NMAS should be notified immediately. Duned settings are notorious for covering and uncovering cultural properties. Men and materiel are to avoid the archaeologically sensitive area.

Definition used by NMAS

As used by NMAS, a "site" is defined as any cultural material containing clear evidence of other than en passant human occupation.

OCCUPATION ZONE

An occupation zone is a site at which associated cultural properties occur scattered over an extensive tract of land. Specifically, resources occur as a light, but extensive, scatter and lack overall concentration. Sites of this type, may or may not, reflect one task specific activity.

TASK LOCUS

A task locus is a site at which an individual, or social unit, carries out a single task-related activity, e.g., a milling station or a li fabrication station (one type of cultural resource).

SPECIAL ACTIVITIES ZONE

A special activities zone is distinguished by a small range of related tasks, e.g., milling tools in association with hide working tools (more varied cultural resources).

LIMITED BASE

A limited base is characterized by a wider range of socio-economic activities resulting from more sustained occupation. Although it contains a wider array of task-related activities than at the above it represents less than the full range of expected cultural resources construed as constituting a local group.

HOME BASE

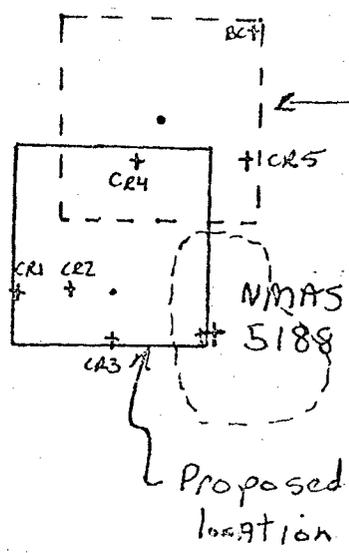
A home base is a site which evidences signs of year-around occupation and hence was occupied by the full spectrum of social units normally construed as constituting a local group, i.e., the full range of cultural resources.

ISOLATED CULTURAL RESOURCE(S)

An isolated cultural resource, as used by NMAS, refers to any artifact or cultural material, separated by more than 20 m from any other occurrence. Isolated cultural resources, if multiple, have concentrations of less than one artifact per square meter exclusive of burned stone. Resources of this type are attributed to en passant activities.



SCALE 1" = 400 ft



NMA5' suggested location (dotted line)
i.e. 1000 FNL, 2110 FEL

Fig. 1. Schematic representation showing YATES PETROLEUM CORPORATION's LeeHam "OC" Federal Well No. 2 vis a vis NMA5 5188. NMA5 suggests the location be shifted 350 ft to the north and 100 ft to the east, i.e., 1000 FNL and 2110 FEL (dotted line).

R-262

SORENSEN
"IB" FED #2

Neal Ranch
Well

5
PECOS RIVER

BM 3712

12

7-5

John White Ranch

18

SHELL
CONDUIT
UNIT A

OC FED #1

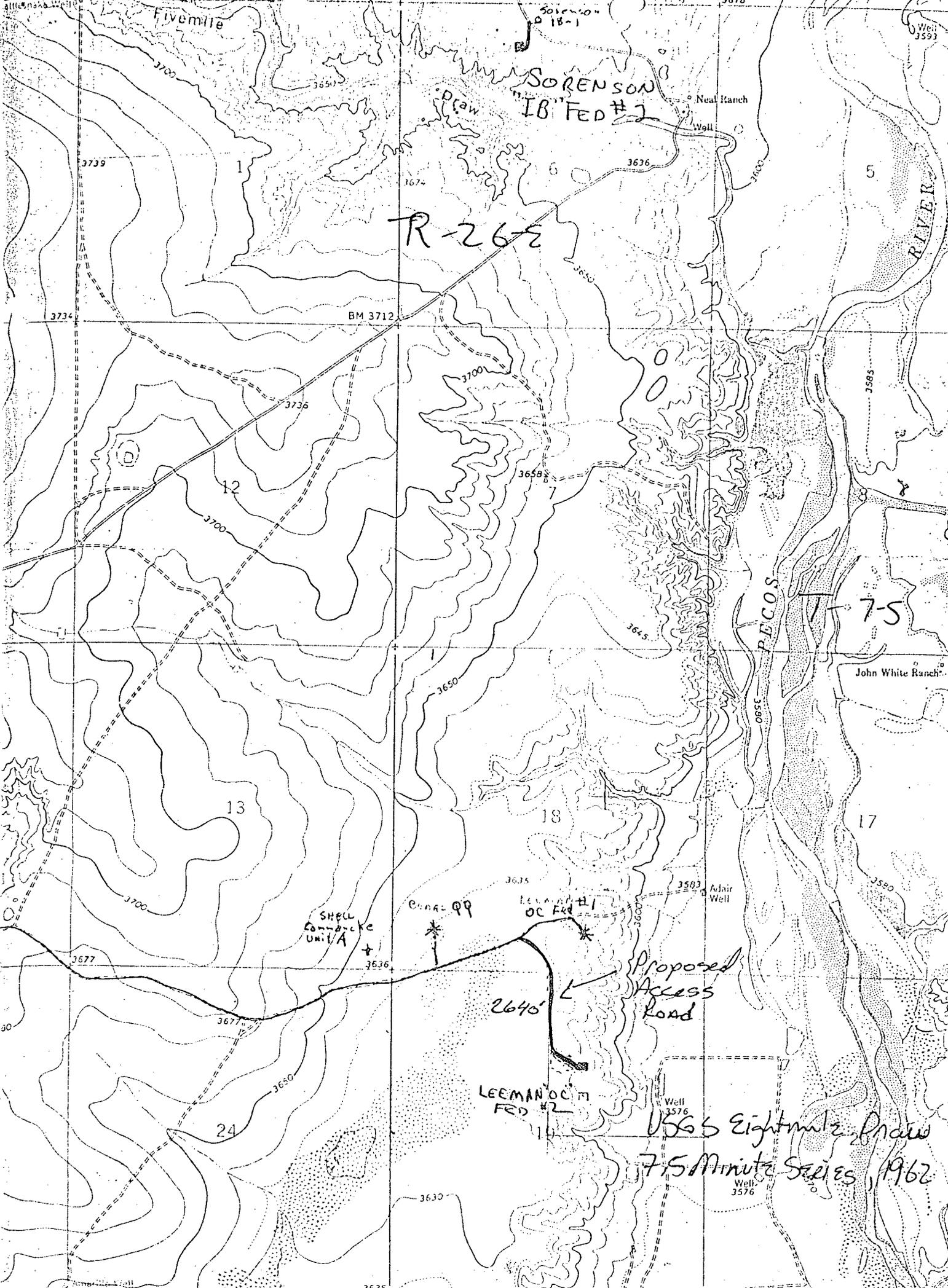
Abair Well

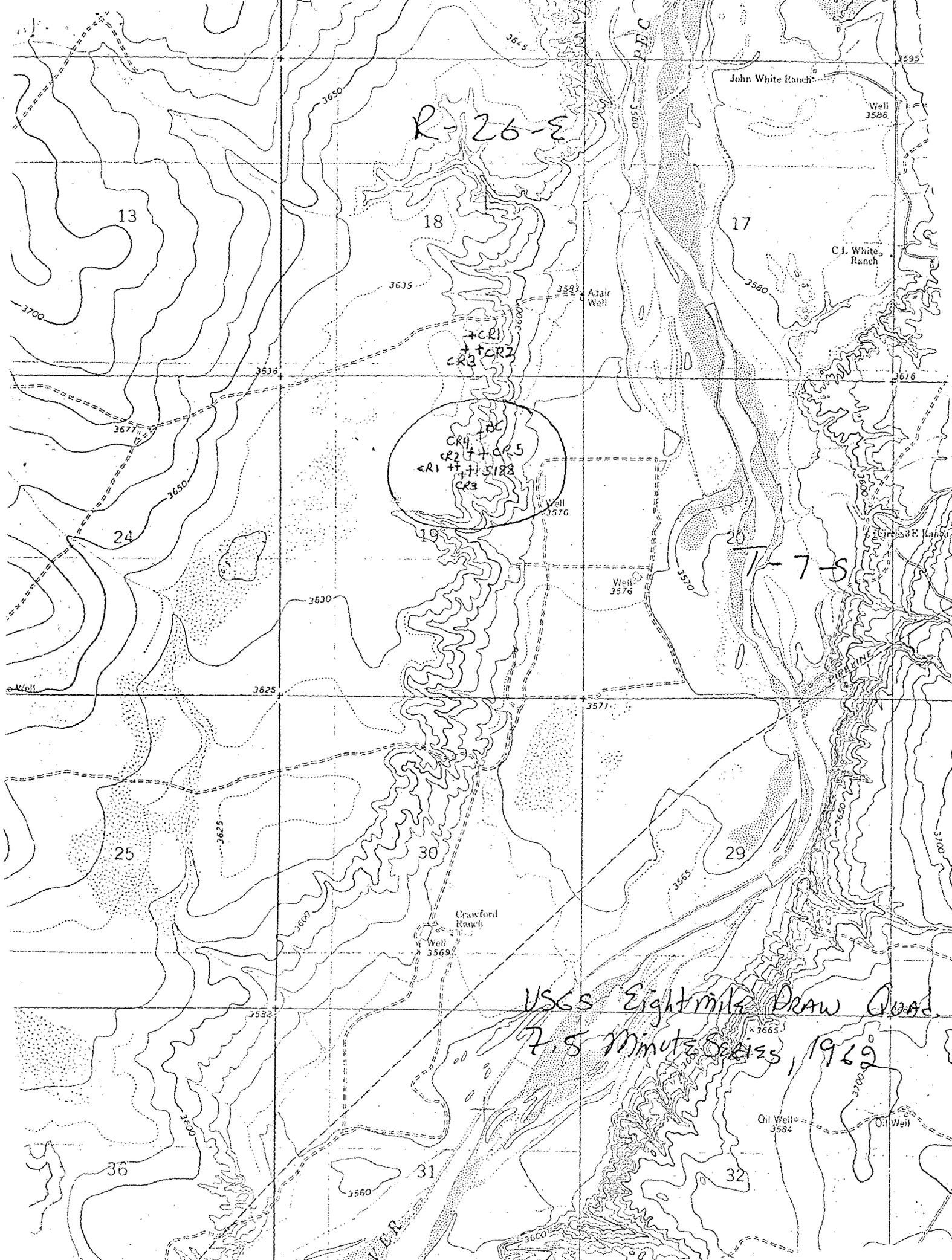
Proposed
Access
Road

LEEMAN OC #2
FED #2

USGS Eight Minute Series
7.5 Minute Series, 1962

Well 3576





R-26-E

John White Ranch

C.J. White Ranch

+CR1
+CR2
+CR3

CR4 + DC
CR2 + CR5
CR1 + CR3
5188
CR3

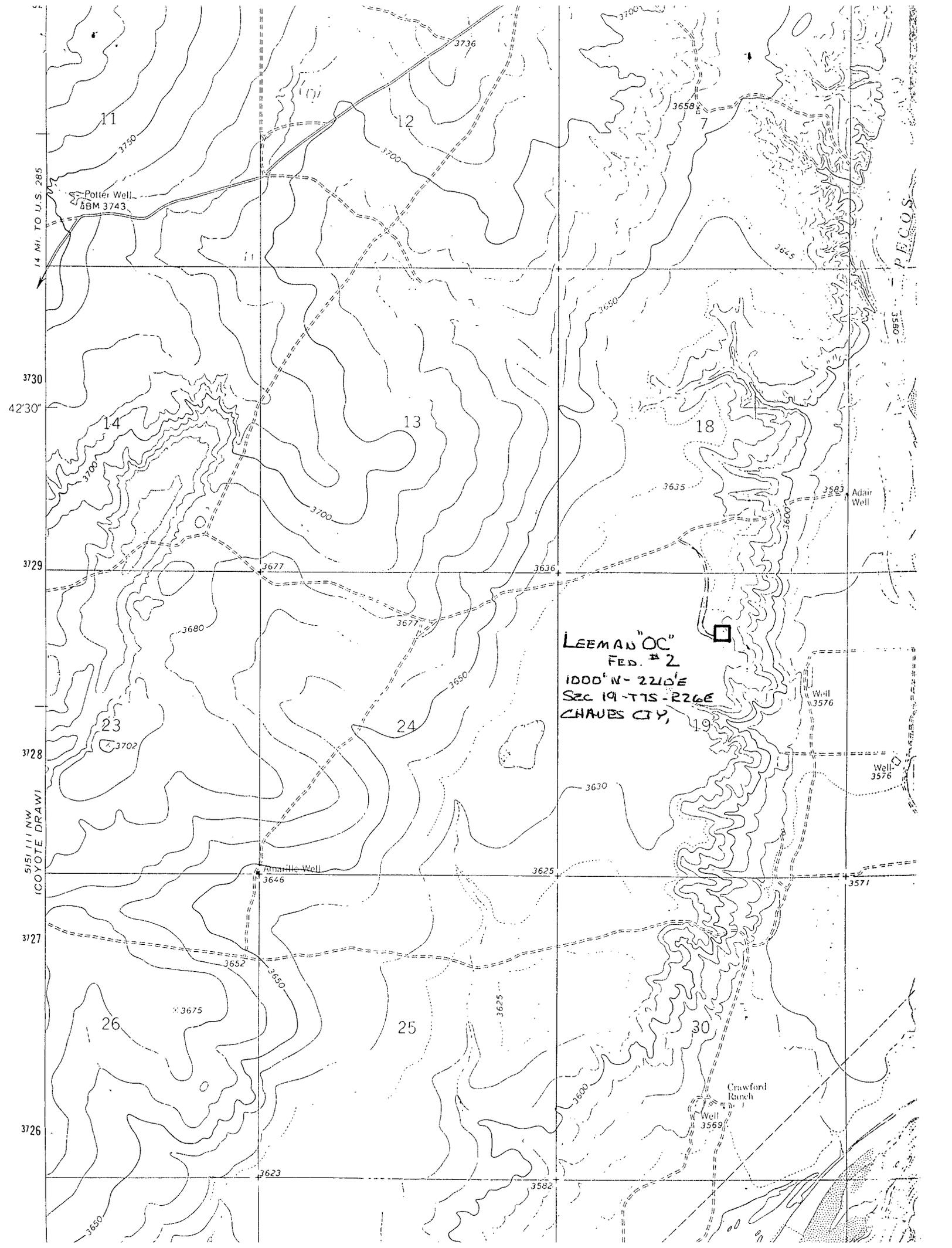
7-7-S

Crawford Ranch

USGS Eightmile Draw Quad
7.5 Minute Series, 1969

Oil Well 3584

Oil Well



11

12

7

14

13

18

23

24

19

26

25

30

LEEMAN "OC"
FED. #2
1000' W- 2210'E
SEC 19-T1S-R26E
CHAVES CO., TEXAS

1/4 Mi. TO U.S. 285

3730

42'30"

3729

3728

5/5111 NW
(COYOTE DRAW)

3727

3726

PECOS

Well 3576

Well 3576

Amarillo Well

Crawford Ranch

Well 3569

P20 2432888

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, Apr. 1976

SENT TO		MTS Limited Partnership	
STREET AND NO.		1000 Mesa Petroleum Vaughn Bldg.	
P.O. STATE AND ZIP CODE		Midland, Texas 79701	
POSTAGE	\$		
CERTIFIED FEE	c		
SPECIAL DELIVERY	c		
RESTRICTED DELIVERY	c		
SHOW TO WHOM AND DATE DELIVERED	c		
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	c		
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	c		
TOTAL POSTAGE AND FEES	\$		
POSTMARK OR DATE		JAN 07 1982	

P20 2432887

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, Apr. 1976

SENT TO		NM Oil Conservation Div.	
STREET AND NO.		P. O. Box 2088	
P.O. STATE AND ZIP CODE		Santa Fe, NM 87503	
POSTAGE	\$		
CERTIFIED FEE	c		
SPECIAL DELIVERY	c		
RESTRICTED DELIVERY	c		
SHOW TO WHOM AND DATE DELIVERED	c		
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	c		
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	c		
TOTAL POSTAGE AND FEES	\$		
POSTMARK OR DATE		JAN 07 1982	