

152-1308

**EXXON** COMPANY, U.S.A.

POST OFFICE BOX 1600 • MIDLAND, TEXAS 79702

PRODUCTION DEPARTMENT  
MIDCONTINENT DIVISION

New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. Joe D. Ramey

Gentlemen:

Attached is an Application for Permit to Drill, Form 9-331 C, and Form C-102, Well Location and Acreage Dedication Plat for Lukens Federal #2, Eddy County, New Mexico.

The archeologist would not grant clearance for the well at the regular location where it was originally staked due to finding evidence of an Indian campsite. The archeologist has given clearance for the well to be located 1,900' FNL and 2,380' FEL of Section 25, T26S, R25E, Eddy County, New Mexico.

Rule 104 C II (a) requires that a well be located not closer than 330' to any quarter-quarter section line and this well will be located 260' from the quarter-quarter section line.

The offset operators are being notified by certified mail of the application to complete this well as an unorthodox location. If you as an offset operator have no objection to this application, you are requested to execute the attached waiver and forward a copy to the New Mexico Oil Conservation Commission, P. O. Box 2088, Santa Fe, New Mexico 87501, and return one copy to this office.


The offset operators to this location are:

Marathon Oil Company, P. O. Box 552, Midland, TX 79702

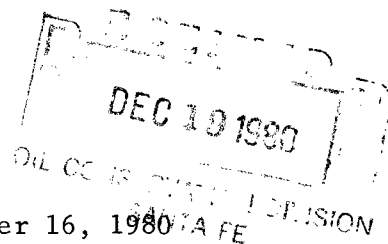
El Paso Natural Gas Company, 600 Bank of the Southwest, Midland, TX 79701

Please grant approval to drill this well as an exception to the well location requirements without notice and hearing as the necessity for this location is based on topographical conditions.

Very truly yours,

  
Percy Tate

MK/ch



December 16, 1980

Request for Approval of an  
Unorthodox Location for  
Lukens Federal #2  
Eddy County, New Mexico

*NSL  
Rule 104 F  
Morrow for  
waiting over immediate*

RECEIVED  
OFC 191005

W A I V E R

New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. Joe D. Ramey

This is to advise that the undersigned has been given due notice that Exxon Corporation has made application for an unorthodox location for Lukens Federal #2, in the Undesignated Morrow Pool, Eddy County, New Mexico.

We hereby waive any objection to the granting of this application for the above well which will be located:

Lukens Federal, Well No. 2 to be located  
1,900' FNL and 2,380' FEL of Section 25,  
T26S, R25E, Eddy County, New Mexico.

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 1980.

Company \_\_\_\_\_

By \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

2. Lease or Survey No.

NM-22624

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

---

7. UNIT AGREEMENT NAME

---

8. FARM OR LEASE NAME

Lukens Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Undesignated Morrow

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Sec. 25, T26S, R25E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Exxon Corporation

3. ADDRESS OF OPERATOR

P. O. Box 1600, Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)

At surface

1900' FNL &amp; 2380' FEL of Section

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

16.2 miles SE from White City

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 260'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1,420'

19. PROPOSED DEPTH

11,000'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

Later

22. APPROX. DATE WORK WILL START\*

January 15, 1981

23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20	94.0	40'	
17 1/2"	13 3/8"	54.5	400'	425 sx
12 1/4"	8 5/8"	24.0	5,200'	2050 sx
7 7/8"	5 1/2"	14,0,15.5,17	10,600'	725 sx

Gas is dedicated to a purchaser.

Please replace the Form 9-331 and Form C-102 filed 12-8-80 with these forms.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*Melva Knipling*

TITLE

Proration Specialist

DATE

12-16-80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

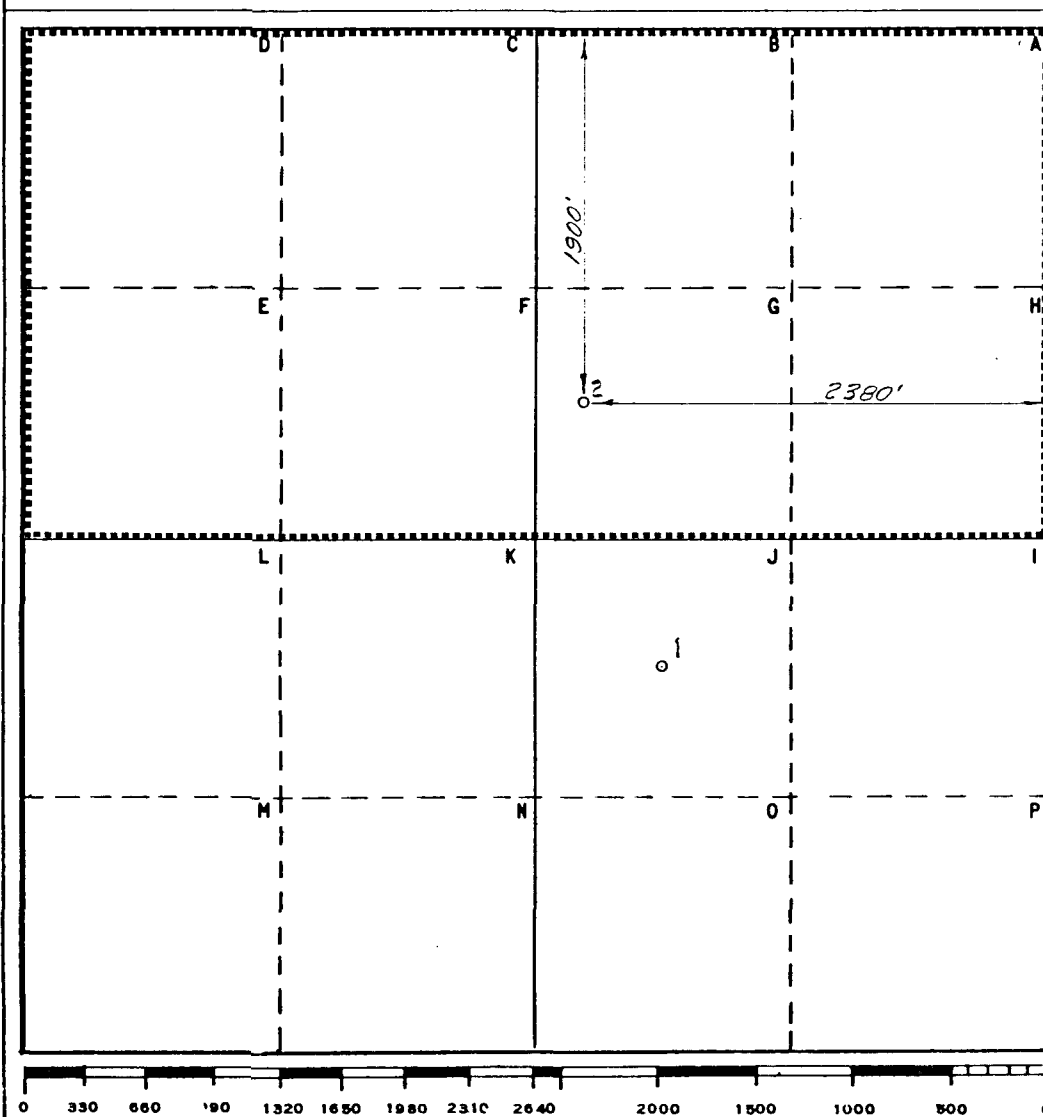
Operator Exxon Corporation		Lease Lukens Fed.		Well No. 2	
Unit Letter G	Section 25	Township 26 S	Range 25 E	County Edad	
Actual Footage Location of Well: 1900 feet from the North line and 2380 feet from the East line					
Ground Level Elev:	Producing Formation Morrow	Pool Undesignated	Dedicated Acreage: 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 \_\_\_\_\_

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.

Name  
*Melba Kripling*  
Position  
Proration Specialist

Company Exxon Corporation  
Box 1600 Midland, Texas

Date  
12 - 16 - 80

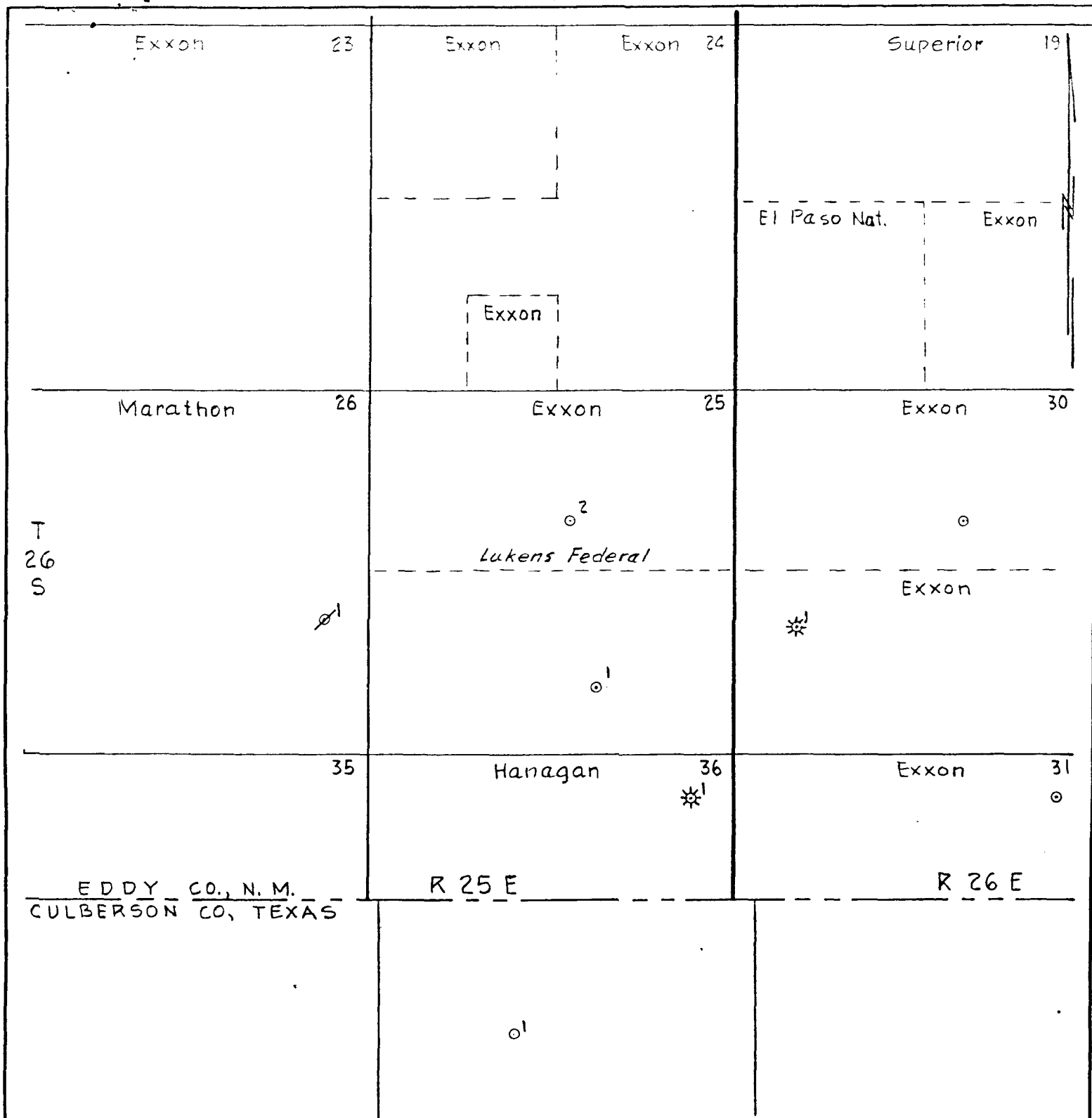
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
12 - 15 - 80

Registered Professional Engineer  
and/or Land Surveyor

*W. S. Westergaard*

Certificate No.  
1380



MILE POST AREA  
EDDY CO., N.M.

EXXON COMPANY, U.S.A.

A DIVISION OF EXXON CORPORATION

PRODUCTION DEPARTMENT

DRAWN J. C. HEJL

ENGR. SECTION \_\_\_\_\_ REVISED \_\_\_\_\_

SCALE 1" = 2000'

JOB NO.

FILE NO.

CHECKED \_\_\_\_\_

APPROVED \_\_\_\_\_

DATE 12-16-80

W-A-7395



# NMAS

## New Mexico Archaeological Services, Inc.

P. O. Box 1341

Carlsbad, New Mexico 88220

(505) 887-7646

13 December 1980

Reconnaissance

Excavation

Analysis

Explanation

Curation

Mr. W.S. Westerfeld  
Senior Staff Engineer  
EXXON CORPORATION  
Box 1500 Exxon Building  
Midland, Texas 79702

Dear Mr. Westerfeld:

Enclosed please find NMAS' Archaeological Clearance Report for EXXON CORPORATION's proposed Lukens Federal Well No. 2, its accompanying access road, and the ranch road to be improved in Eddy County, New Mexico. One archaeological site, NMAS 5085, was recorded during this reconnaissance. In addition several isolated cultural occurrences were recorded as well.

Please consult our report for the *suggested* re-location of EXXON's Lukens Federal Well No. 2. Please do not hesitate to call us on matters pertaining to this project. Thank you for asking NMAS to do this reconnaissance.

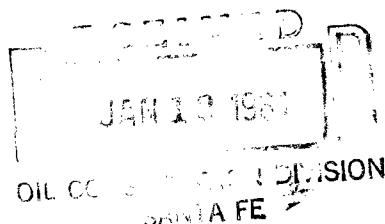
Yours sincerely,

Dr. J. Loring Haskell  
Principal Investigator

Enclosure

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

as



Archaeological Clearance Report  
for  
EXXON CORPORATION  
Lukens Federal Well No. 2  
Improvements to Existing Ranch Road

Prepared  
By  
Dr. J. Loring Haskell

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

13 December 1980

Permit No. 80-NM-193

## ABSTRACT

New Mexico Archaeological Services, Inc., representing EXXON CORPORATION, Midland, undertook an archaeological reconnaissance of Bureau of Land Management lands scheduled to be impacted by the construction of a drilling location, its accompanying access road, and improvements to an existing ranch road. The investigated areas are situated in Section 25, T26S, R25E, NMPM, Eddy County, New Mexico. One archaeological site, NMAS 5085, was recorded during this reconnaissance. In addition, several isolated cultural resources were recorded as well.



## Introduction

On 9 and 11 December 1980, New Mexico Archaeological Services, Inc., (NMAS), Carlsbad, undertook for EXXON CORPORATION, Midland, an archaeological reconnaissance of federal lands administered by the Bureau of Land Management in Eddy County, New Mexico. Reconnoitered areas will be impacted by the construction of a drill location, an associated access road, and modifications to an existing ranch road. This project was advanced by Mr. W.S. Westerfeld, Senior Staff Engineer, EXXON CORPORATION, and administered by Dr. J. Loring Haskell, Principal Investigator, NMAS, Inc. This reconnaissance was undertaken by Dr. Haskell and Mr. John C. Haight.

## Survey Technique

For this investigation, EXXON CORPORATION's proposed location was reconnoitered for evidence of man's past activities by walking it in a series of 20 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 were the access and ranch roads. Methodologically, this procedure served to promote optimal conditions for the visual examination of areas to be impacted by construction-related activities.

Lukens Federal Well No. 2

## Location

The proposed location will measure 400 X 400 ft on federal lands and will be situated 1900 ft from the north line and 1980 ft from the east line of:

Section 25, T26S, R25E, NMPM, Eddy County, NM

Thus it will be situated in the:

SW $\frac{1}{4}$ NE $\frac{1}{4}$ , Section 25, T26S, R25E, NMPM, Eddy County, NM

The associated access road will measure 20 X 1000 ft and will be situated in the:

SW $\frac{1}{4}$ NE $\frac{1}{4}$ , Section 25, T26S, R25E, NMPM, Eddy County, NM

SE $\frac{1}{4}$ NW $\frac{1}{4}$ , Section 25, T26S, R25E, NMPM, Eddy County, NM

Map Reference: USGS JUMPING SPRING QUADRANGLE, 7.5 Minute Series, 1978.

### Terrain

EXXON CORPORATION's proposed Lukens Federal Well No. 2 will be situated on the crest of a generally east-west oriented ridge which borders the southern flank of Hay Hollow Draw. Drainage is toward the east to northeast and moves in the immediate area by sheetwash and a developing system of rills and gullies. Local soils are highly gypsiferous in character. Pedons belong to the Typic Gypsiorthid subgroup, its intergrades, and the Calcic Gypsiorthid subgroup. In addition to gypsiferous inclusions, chert, quartzite, siliceous limestone, and siliceous sandstone nodules occur in associated soil individuals.

### Floristics

Local soils host an overstory of *Larrea tridentata*, *Rhus microphylla*, *Berberis trifoliolata*, *Juniperus monosperma*, *Condalia ericoides*, *Prosopis juliflora*, *Yucca elata*, *Yucca baccata*, *Flourensia cernua*, and *Koeberlinia spinosa*. Principal forbs of this association are: *Coldenia canescens*, *Nerisyrenia linearifolia*, *Perezia nana*, *Lepidium* sp., and *Euphorbia* sp. The Gramineae is represented by *Aristida* sp., *Bouteloua breviseta*, *Hilaria mutica*, *Scleropogon brevifolius*, *Muhlenbergia porteri*, and *Tridens pulchellus*. Observed cacti include *Opuntia macrocentra*, *Opuntia marcocentra* variant, *Opuntia leptocaulis*, and *Coryphantha* sp.

## Cultural Resources

During the course of this reconnaissance, one archaeological site, NMAS 5085, was recorded. In addition, two quartzite secondary decortication flakes (CR 2) were noted 75 ft east of the beginning point of the access road and its juncture with the ranch road. CR 3, a quartzite secondary decortication flake, was observed 10 ft south of the access road at a point 75 ft west of the location. Isolated nodules of burned- and fire-cracked limestone were noted at various points along the proposed road and west and north of the location. Lastly, CR 4 was noted 50 ft west of the west-central portion of the now-staked location.

NMAS 5085

Location: NE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ , Section 25, T26S, R25E, NMPM, Eddy County, NM

UTM: Zone 13, N3,542,140; E661,720

Map Reference: USGS JUMPING SPRING QUADRANGLE, 7.5 Minute Series, 1978.

Ownership: Bureau of Land Management Administration

Dimesion of Resources: 140 X 170 m (Approximate)

Typological Designation: Special Activities Zone

Temporality: Jornada Mogollon/Late Archaic

Nature of Cultural Resources: NMAS 5085, a multi-component site, is situated on the crest of a prominent ridge overlooking Hay Hollow Draw. Locally, this landform is overlain by gypsiferous soils, and in some instances, particularly near the shoulders of this geomorphological feature, actual outcroppings of gypsum. Overall, the site is subject to a high level of sheetwash and a now-developing system of rills and small gullies. NMAS 5085 is unique for several reasons, viz., it is situated in an area where few archaeological

sites have been recorded, and secondly, because of the substantial amount of Chupadero Black-on-white potsherds associated with it. Recorded areal archaeological sites, hitherto, tended to center along the banks of the Black and Delaware Rivers. Much of the area between these points and the Guadalupe Escarpment tends to be marked by a paucity of cultural resources owing to an almost universal scarcity of potentially knappable lithic material.

Resources associated with NMAS 5085 include significant amounts of Chupadero Black-on-white pottery, numerous primary and secondary decortication flakes, spalls, a scraper, cores, hammerstones, ground stone fragments, a mano, burned limestone nodules, the tip of a point, a mid-section of another point, and lastly a late Archaic projectile point. Chupadero-Black-on-white potsherds are scattered over the entire site with several areas being marked by definite concentrations. Typically, potsherd concentrations are associated with amorphous scatters of burned limestone nodules. Burned limestone, however, is not confined solely to these areas as it occurs in a light scatter in all quadrants of the site. Bona fide fire hearths are lacking owing to intense sheetwash. Several potsherds are notable for their thickness and hence are probably derived from water jars or ollas. Many potsherds, particularly those in the northeastern portion of the site, have been slightly blackened and hence figured more directly in food preparation. These potsherds appear to be from bowls as they are considerably thinner than the aforementioned type. The complete absence of utility-type wares at this site is of singular importance, and once again, points out the uniqueness of NMAS 5085.

As for the lithic end of the assemblage, it is notable for its variety. Chert, quartzite (two types), siliceous limestone and sandstone, and even obsidian were observed at the site. Excepting the sandstone ground stone and the obsidian, all observed lithic material is of local origin. The ground stone, probably was derived from the Santa Rosa Formation; therefore, it may have been brought into the area from east of the Pecos. It is not directly associated with the potsherds and hence may be of Late Archaic age. This position of course, is conjectural. Obsidian, generally scarce at archaeological sites in southeastern New Mexico, was brought to the site, along with the Chupadero Black-on-white pottery, from the Sacramento Mountain area.

As for the chert point, it is a type associated with the late Archaic, or pre-ceramic Hueco Phase, and thus brackets the period between A.D. 750-950. It is distinguished by an overall triangular shape, slightly convex blade edges, pronounced shoulders, side opposed notches (one wide and the other medium in width), and a convex base (Fig.1). Its dimensions are 3 X 1.7 X .5 cm (length, breadth, and thickness). It was observed at a point 45 ft northeast of the northeast corner of the location in an area of heavy sheetwash.

The presence of the projectile point, along with the Chupadero Black-on-white potsherds, indicate an initial occupancy of the site by Late Archaic people and a somewhat later one by Jornada Mogollon social units. Judging by the amount of detritus attributable to the Jornada Mogollon, there probably were several occupations by them. Chupadero Black-on-white's parameters are A.D. 1175 to 1550. This

This site has been termed a special activities zone by NMAS owing to the variety of tasks, viz., flaked-tool fabrication, probable hide preparation, and milling activities. The attractiveness of this site can be explained by the nearby supply of potable water at Washington Spring as well as a generally good supply of siliceous lithic material needed for flaked-tool manufacture. In addition, excellent views of the surrounding country are obtainable from the crest of the ridge. Game, of course, would have been attracted to Washington Spring as well. Lithic material in the surrounding country is scarce and hence the importance of NMAS 5085 as center for flaked-tool manufacture should be stressed.

#### Isolated Cultural Occurrences

CR 2, consisting of two quartzite secondary decortication flakes, is situated 75 ft east of the beginning point of the access road and its juncture with the ranch road. It is situated in the:

SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  NW $\frac{1}{4}$ , Section 25, T26S, R25E, NMPM, Eddy County, NM

UTM: Zone 13, N3,542,120; E661,300

Map Reference: USGS JUMPING SPRINGS QUADRANGLE, 7.5 Minute Series, 1978.

CR 3, a quartzite secondary decortication flake, is located 10 ft south of the access road at a point 75 ft west of the now-staked location. It is located in the:

SE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ , Section 25, T26S, R25E, NMPM, Eddy County, NM

UTM: Zone 13, N3,542,140; E661,660

Map Reference: USGS JUMPING SPRINGS QUADRANGLE, 7.5 Minute Series, 1978.

CR 4 consists of two quartzite secondary decortication flakes 50 ft west of the west-central portion of the now-staked pad. It is situated

in the:

NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ , Section 25, T26S, R25E, NMPM, Eddy County, NM

UTM: Zone 13, N3,542,180; E661,660

Map Reference: USGS JUMPING SPRINGS QUADRANGLE, 7.5 Minute Series, 1978.

In addition to the above, there are sporadic occurrences of burned limestone nodules in the area.

### Recommendations

NMAS *suggests* either of two options for EXXON's Lukens Federal Well No. 2. First it could be shifted to 1500 ft from the north line/1980 ft from the east line of Section 25, T26S, R25E; or else, <sup>1900 ~~1500~~ ~~1000~~</sup> ft from the north line, 2380 from the east line of Section 25, T26S, R25E. In each instance, *suggested* locations for Lukens Federal Well No. 2 have been reconnoitered for cultural properties. Option No. 1, would result in the location being on the shoulder of the ridge. This area is free of cultural properties; however, it is subject to intense sheetwash and gully development. Several burned limestone cobbles were noted in the southern portion of the *suggested* re-located pad having been carried there by runoff from the crest of the ridge.

Option No. 2, Lukens Federal Well No. 1 would be situated due west of the now-staked location on the crest of the ridge and hence is not subject to as much sheetwash as *suggested* Option No. 1 (Fig. 2).

In addition, NMAS *strongly urges that men and materiel avoid NMAS 5085 altogether regardless of which option EXXON selects. Clearance, of course, is granted by the Bureau of Land Management.*

### Improvements to Existing Ranch Road

### Location

As proposed, EXXON CORPORATION will upgrade approximately 2250 ft

of existing roadbed on federal lands. It will measure 20 ft in width and will be situated in the:

SE $\frac{1}{4}$ SW $\frac{1}{4}$ , Section 25, T26S, R25E, NMPM, Eddy County, NM  
 NE $\frac{1}{4}$ SW $\frac{1}{4}$ , Section 25, T26S, R25E, NMPM, Eddy County, NM  
 SE $\frac{1}{4}$ NW $\frac{1}{4}$ , Section 25, T26S, R25E, NMPM, Eddy County, NM

Map Reference: USGS JUMPING SPRING QUADRANGLE, 7.5 Minute Series, 1978.

### Terrain

The investigated road crosses the crest of a prominent ridge due south of Hay Hollow Draw. Significant portions of this landform are subject to rapid runoff with overall drainage being toward the east and northeast. Local soils, forming from parent material attributable to the Permian-aged Castile Formation, are uniformly fine textured and belong to the Typic Gypsiorthid and Calcic Gypsiorthid subgroups. Pedons are highly gypsiferous in character and toward the north host occasional chert, quartzite (two types), and a siliceous-type limestone inclusion as well as gypsum.

### Floristics

Associated soil individuals host an overstory of *Prosopis juliflora*, *Rhus microphylla*, *Juniperus monosperma*, *Berberis trifoliolata*, *Koeberlinia spinosa*, *Acacia constricta*, *Yucca elata*, *Opuntia macrocentra*, *Opuntia leptocaulis*, and *Opuntia imbricata*. Forbs are represented by *Gutierrezia sarothrae*, *Senecio* sp., and *Perezia nana*. Major grasses include: *Bouteloua breviseta*, *Bouteloua gracilis*, *Hilaria mutica*, *Muhlenbergia porteri*, *Scleropogon brevifolius*, and *Tridens pulchellus*.

### Cultural Resources

During the course of this reconnaissance, one chert, bifacially-worked secondary decortication flake (CR 1) was noted 3 ft east of the



road at a point 500 ft south of the junction of the proposed access road and the ranch road. It is situated in the:

SW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ , Section 25, T26S, R25E, NMPM, Eddy County, NM

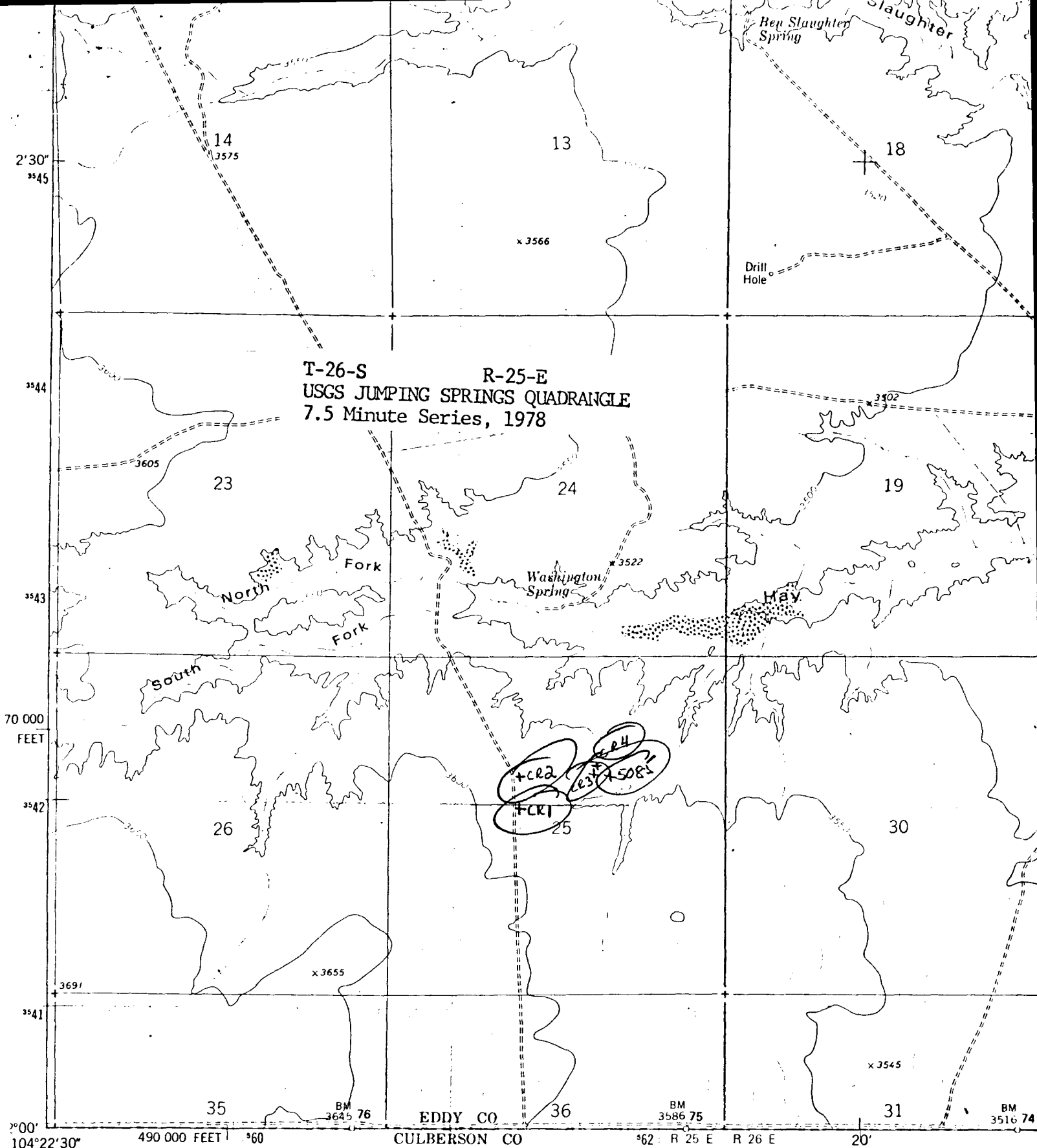
UTM: Zone 13, N3,541,980; E561,300

Map Reference: USGS JUMPING SPRING QUADRANGLE, 7.5 Minute Series, 1978.

In addition, one burned limestone (BL) cobble was noted on the west side of the ranch road at a point 200 ft south of its juncture with the proposed access road.

#### Recommendations

NMAS recommends clearance for EXXON CORPORATION's road project and *suggests* that work-related activities proceed in accordance with company plans. Clearance, of course, is granted by the Bureau of Land Management.



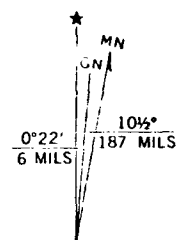
Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1972. Field checked 1974. Map edited 1978

Projection and 10,000-foot grid ticks: New Mexico coordinate system, east zone (transverse Mercator)  
1000-meter Universal Transverse Mercator grid ticks, zone 13, shown in blue. 1927 North American datum

Fine red dashed lines indicate selected fence lines



UTM GRID AND 1978 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

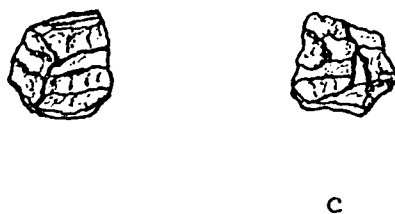
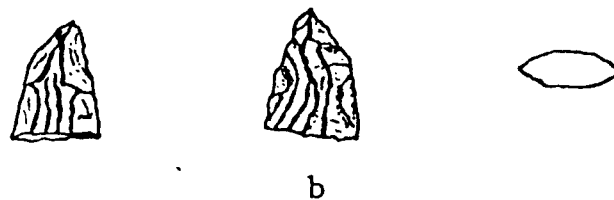
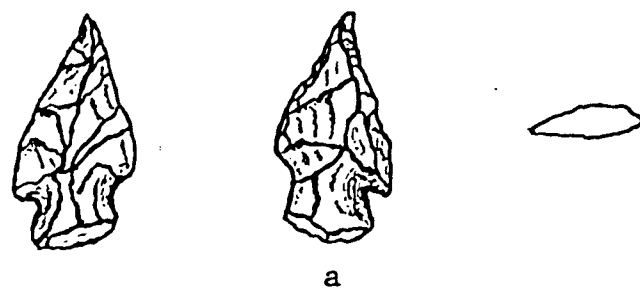


Fig. 1. (a) Illustration showing Late Archaic (pre-ceramic) chert projectile point, (b) chert projectile point tip, (c) possible chert projectile point fragment.

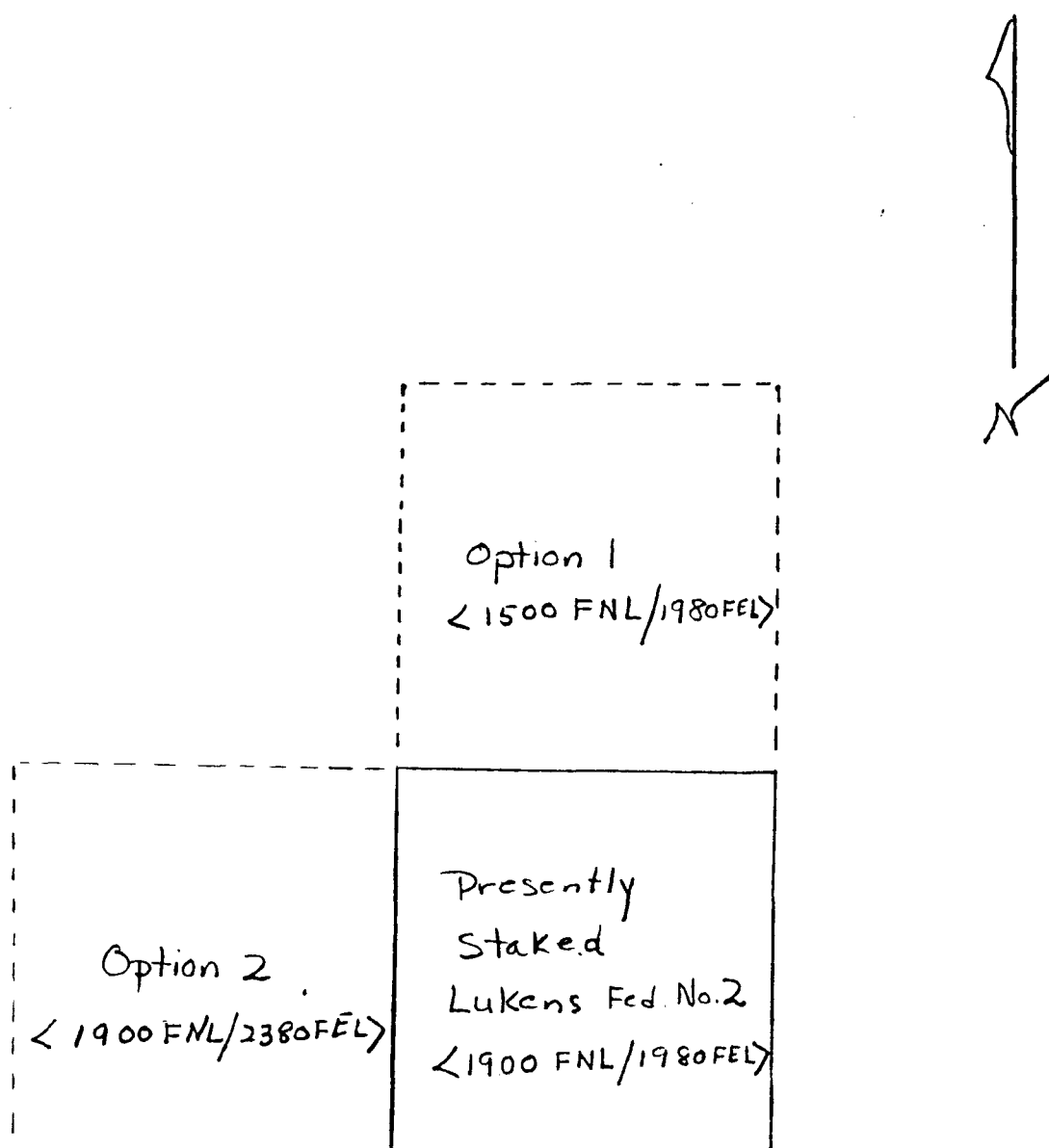
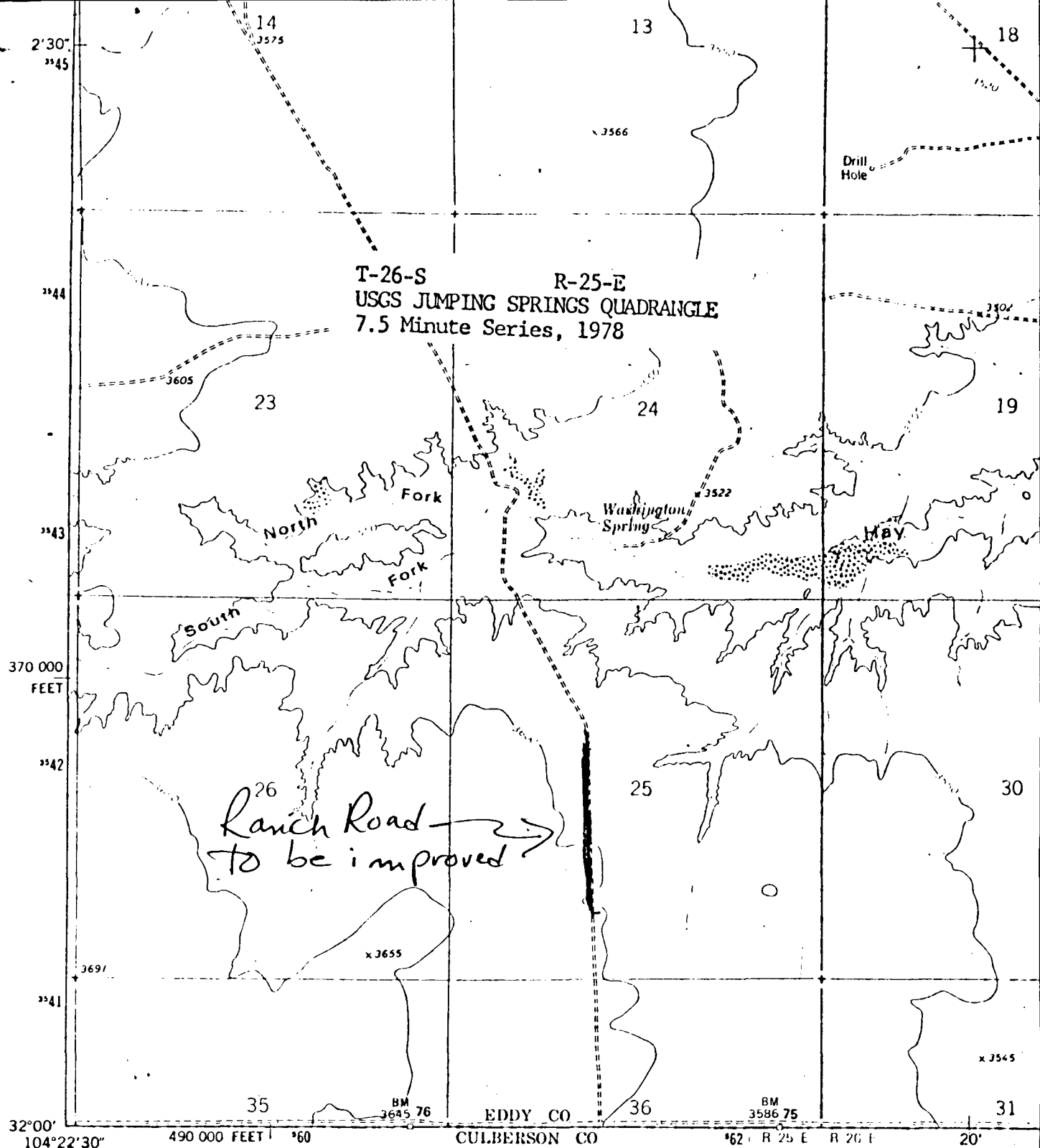


Fig. 2. Schematic representation showing presently staked EXXON's Lukens Federal Well No. 2 vis à vis suggested options to avoid NMAS 5085.



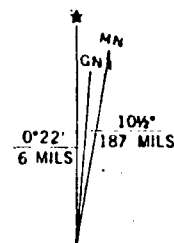
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Projection and 10,000-foot grid ticks: New Mexico coordinate system, east zone (transverse Mercator)  
1000-meter Universal Transverse Mercator grid ticks, zone 13, shown in blue. 1927 North American datum

Fine red dashed lines indicate selected fence lines



UTM GRID AND 1978 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET



NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

BRUCE KING  
GOVERNOR  
LARRY KEHOE  
SECRETARY

January 2, 1981

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

Exxon Company, U.S.A.  
P. O. Box 1600  
Midland, Texas 79702

Re: Application for Non-Standard  
Location: Lukens Federal Well No. 2.  
Eddy County, New Mexico

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

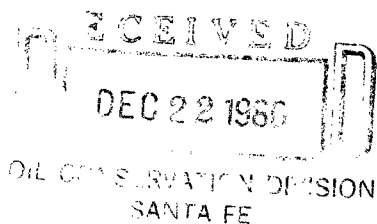
- ☒ A plat must be submitted clearly showing the ownership of the offsetting leases.
- ☐ A statement must be submitted that offset owners have been notified of the application by certified mail.
- ☐ A plat must be submitted fully identifying the topography necessitating the non-standard location.
- ☒ Other: When an application is based on archeology, a copy of the archeologists report should be submitted.

Very truly yours,

R. L. STAMETS  
Technical Support Chief

RLS/dr

File 1752-1308



W A I V E R

New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. Joe D. Ramey

This is to advise that the undersigned has been given due notice that Exxon Corporation has made application for an unorthodox location for Lukens Federal #2, in the Undesignated Morrow Pool, Eddy County, New Mexico.

We hereby waive any objection to the granting of this application for the above well which will be located:

Lukens Federal, Well No. 2 to be located  
1,900' FNL and 2,380' FEL of Section 25,  
T26S, R25E, Eddy County, New Mexico.

Executed this 18 day of DECEMBER, 1980.

Company MARATHON OIL CO

By Clifford A. Miller

**EXXON** COMPANY, U.S.A.  
POST OFFICE BOX 1600 • MIDLAND, TEXAS 79702

PRODUCTION DEPARTMENT  
MIDCONTINENT DIVISION

January 6, 1981

Mr. R. L. Stamets, Technical Support Chief  
Energy and Mineral Department  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Dear Mr. Stamets:

As requested in your letter of January 2, 1981, attached is a copy of the Archeological Clearance Report for Exxon's Lukens Federal Well No. 2, located in Section 25, T26S, R25E, Eddy County, New Mexico.

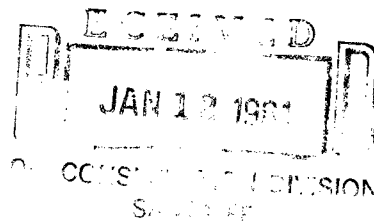
Lukens Federal Well No. 2 is a Non-Standard location because of the recommendations of the archeologist. Option No. 2 as shown on page 11 of the Archeological Clearance Report is the presently staked location for which the exception is being requested.

Very truly yours,

*Melba Knipling*

Melba Knipling  
Proration Specialist

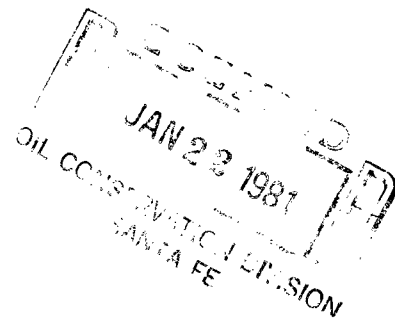
MK/ch





File hsl-1308

W A I V E R



New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. Joe D. Ramey

This is to advise that the undersigned has been given due notice that Exxon Corporation has made application for an unorthodox location for Lukens Federal #2, in the Undesignated Morrow Pool, Eddy County, New Mexico.

We hereby waive any objection to the granting of this application for the above well which will be located:

Lukens Federal, Well No. 2 to be located  
1,900' FNL and 2,380' FEL of Section 25,  
T26S, R25E, Eddy County, New Mexico.

Executed this 20 day of JANUARY, 1980.

Company EL PASO NAT GAS

By [Signature]