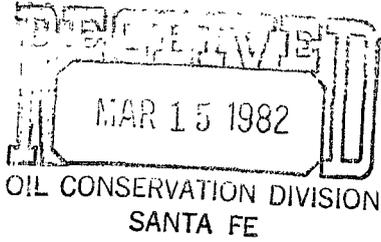


McClellan Oil Corporation

*Paul Boydale
Arch Rpt
Waiver
3-15-82*

*NSL - 1535
Rule 104 F
waivers in
IMMEDIATE*

March 12, 1982



Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: MOC Luke Com Federal No. 1
Section 24-T10S-R25E
Chaves County, New Mexico
Request for Approval of
an Unorthodox Location

Attention: Joe Ramey

Gentlemen:

On March 1, 1982, I delivered to the United States Geological Survey an Application to Drill the McClellan Oil Corporation Luke Com Federal No. 1, to be located 1980' FNL and 1800' FWL of Section 24, Township 10 South, Range 25 East, Chaves County, New Mexico. I also delivered an Archaeological Clearance Report which I had secured from ACA.

The Bureau of Land Management made a field examination of the location and advised they had discovered something which would preclude the drilling of a well on the applied for location. I met with personnel from the BLM this morning and they approved a site 2180' FNL & 1800' FWL. Due to the fact that we have a drilling rig available now, plus the fact that the well is on a Federal Oil and Gas Lease which will expire on March 30, we have asked the United States Geological Survey to grant approval of this location. If we are not able to utilize the drilling rig we have available now, we have no assurance of being able to secure a rig prior to the expiration deadline.

The moving of this wellsite has now made it an unorthodox location. This letter is to request that you grant administrative approval for the above described unorthodox location.

We apologize for having requested this approval at this late date, but as you can see circumstances prevented our applying in a more timely manner.

I am enclosing a copy of the Communitization Agreement with Yates Petroleum Corporation, the only offset Operator. I have also asked Yates, who is joining in the drilling of this test, to write you a waiver letter for your files.

Very truly yours,

Jack L. McClellan
Jack L. McClellan
President

/Enclosures



United States Department of the Interior

IN REPLY REFER TO

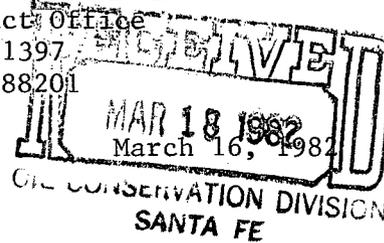
2800

BUREAU OF LAND MANAGEMENT

Roswell District Office

P. O. Box 1397

Roswell, NM 88201



Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501
Attention: Mr. Dick Slamets

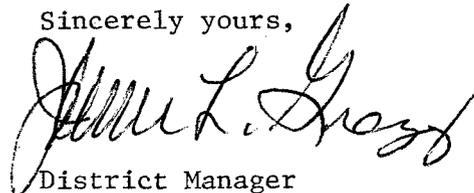
Dear Mr. Slamets:

At the request of Mr. Paul Ragsdale of McClellan Oil Corporation we are writing to inform you as to our reasons for the moving of the #1 Luke Com. Federal. The APP (application for permit to drill) as submitted was found to have an archaeological site on the northeastern part of the pad. The proposed pad was also bordered by a draw on the west and a fence on the east side. To move the pad location west would have caused the pad to be moved across the draw (300 to 400 feet west) which was not acceptable to any of the parties involved. To move the proposed well pad east could have caused the destruction of the rancher's new boundary fence which was certainly not acceptable to the rancher or Mr. McClellan. It was then decided to move the well pad approximately 200' south which resulted in the location being 2180 FNL and 1800 FWL.

Mr. Jack McClellan, president of Jack McClellan Oil Corporation, who accompanied us out to the proposed location was very helpful and understanding.

The movement of the pad location was a necessary action in our view and could not be avoided. If we may be of any other aid or help on this matter please contact us.

Sincerely yours,



District Manager

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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
McClellan Oil Corp.

3. ADDRESS OF OPERATOR
Drawer 730, Roswell, New Mexico 88202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface 2180
At proposed prod. zone 1980' FNL & 1800' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
14 miles Northeast of Roswell, N.M.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1800'
16. NO. OF ACRES IN LEASE 320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. NA
19. PROPOSED DEPTH 4700'

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3768' GL
22. APPROX. DATE WORK WILL START* 3/15/82

23. PROPOSED CASING AND CEMENTING PROGRAM

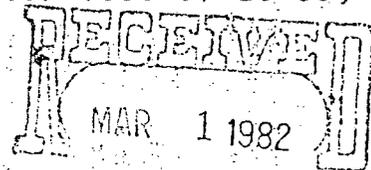
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8 5/8"	23 lb.	900'	400 sx. Circulated
7 7/8"	4 1/2"	10.5 lb.	4700'	200 sx.

Will drill to approximately 4700' to test the Abo Formation. If production is indicated, will run casing and attempt completion.

Estimated Geologic Tops : San Andres 770' Tubb 3370'
Glorieta 1900' Abo 4105'

Mud Program : Will use native mud to top of Abo. Mud-up 100' above top of Abo with salt base gel having a water loss of 10 cc, viscosity of 30-40.

Gas is not dedicated.



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 James A. Gillham TITLE Operator DATE 2/22/82

(This space for Federal or State office use)

PERMIT NO. APPROVED
APPROVED BY James A. Gillham
CONDITIONS OF APPROVAL, IF ANY MAR 12 1982
JAMES A. GILLHAM
DISTRICT SUPERVISOR

APPROVAL DATE
APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED
DATE

5. LEASE DESIGNATION AND SERIAL NO. NM-15290
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Luke Com Federal
9. WELL NO. 1
10. FIELD AND POOL, OR WILDCAT Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 24-T10S-R25E
12. COUNTY OR PARISH Chaves
13. STATE New Mexico

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

Operator McClellan Oil Corp.		Lease Luke Com. Federal		Well No. #1
Init Letter F	Section 24	Township 10 South	Range 25 East	County Chaves
Actual Footage Location of Well: 2180 feet from the North line and 1800 feet from the West line				
Ground Level Elev. 3771	Producing Formation Abo	Pool Wildcat	Dedicated Acreage: 160 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 Division

RECEIVED
MAR 12 1982
U.S. GEOLOGICAL SURVEY
SANTA FE, NEW MEXICO

CERTIFICATION

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

Name
Jack L. McClellan

Position
Operator

Company
McClellan Oil Corp.

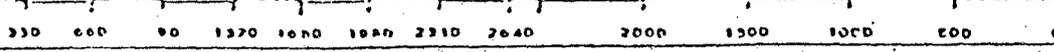
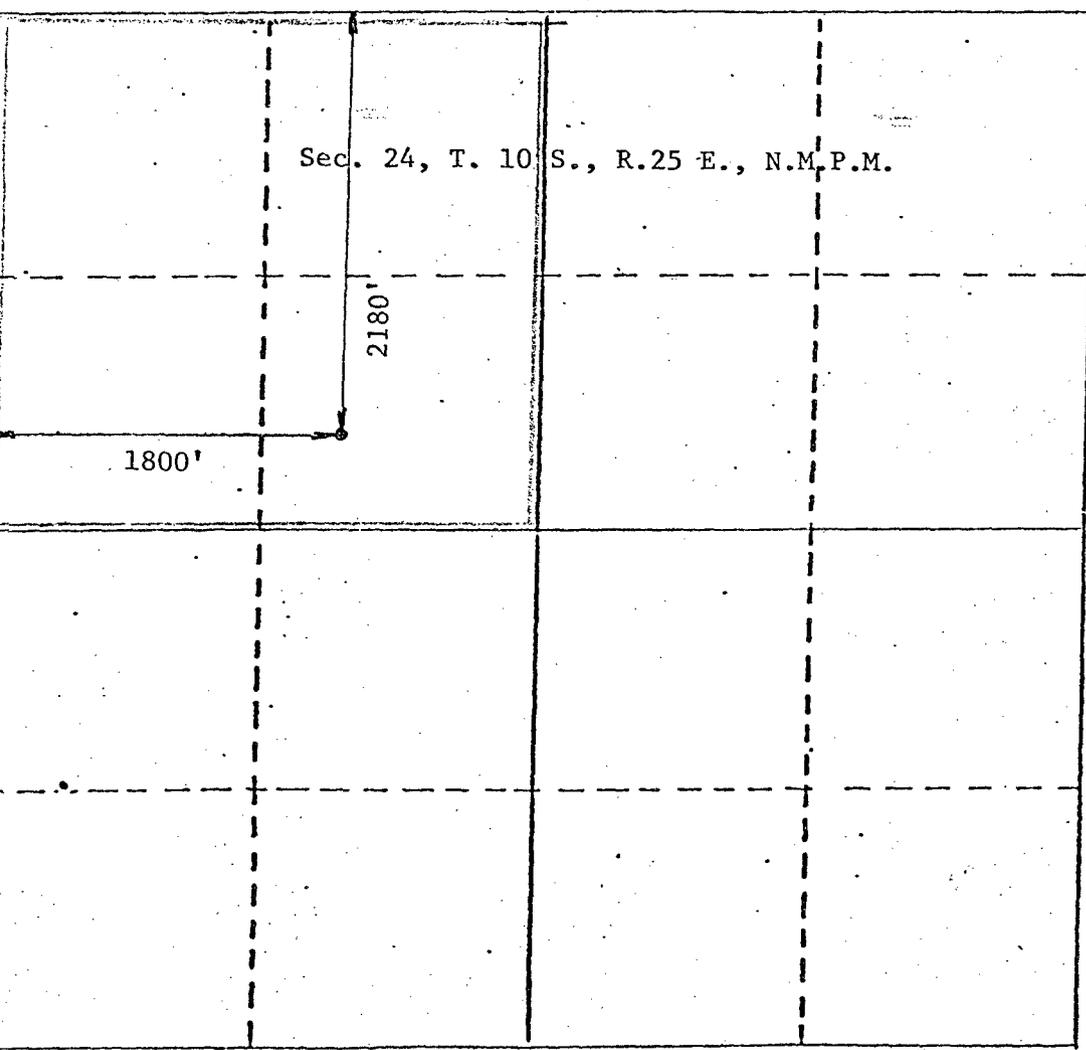
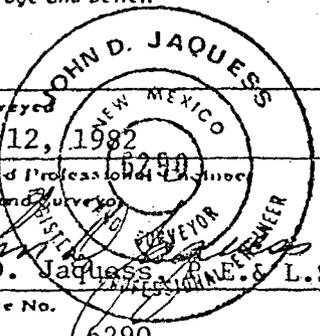
Date
March 12, 1982

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
March 12, 1982

Registered Professional Engineer and/or Land Surveyor
John D. Jaquess

Certificate No.
6290



COMMUNITIZATION AGREEMENT

Contract No. _____

THIS AGREEMENT entered into as of the 22nd day of February, 1982, by and between the parties subscribing, ratifying, or consenting hereto, such parties being hereinafter referred to as "parties hereto";

W I T N E S S E T H:

WHEREAS, the Act of February 25, 1920 (41 Stat. 437), as amended and supplemented, authorizes communitization or drilling agreements communitizing or pooling a Federal oil and gas lease, or any portion thereof, with other lands, whether or not owned by the United States, when separate tracts under such Federal lease cannot be independently developed and operated in conformity with an established well-spacing program for the field or area and such communitization or pooling is determined to be in the public interest; and,

WHEREAS, the parties hereto own working, royalty or other leasehold interests, or operating rights under the oil and gas leases and lands subject to this agreement which cannot be independently developed and operated in conformity with the well-spacing program established for the field or area in which said lands are located; and

WHEREAS, the parties hereto desire to communitize and pool their respective mineral interests in lands subject to this agreement for the purpose of developing and producing communitized substances in accordance with the terms and conditions of this agreement;

NOW, THEREFORE, in consideration of the premises and the mutual advantages to the parties hereto, it is mutually covenanted and agreed by and between the parties hereto as follows:

1. The lands covered by this agreement (hereinafter referred to as "communitized area") are described as follows:

Township 10 South, Range 25 East, N.M.P.M.

Section 24: NW/4

Chaves County, New Mexico

containing 160.00 acres, more or less, and this agreement shall include only the ABO and SAN ANDRES formations underlying said lands and the dry gas and associated liquid hydrocarbon substances, hereinafter referred to as "communitized substances", producible from such formations. This agreement shall apply separately to the ABO and SAN ANDRES formations in the same manner as though a separate agreement for each formation had been entered into.

2. Attached hereto, and made a part of this agreement for all purposes is Exhibit "B", designating the operator of the communitized area and showing the acreage, percentage and ownership of oil and gas interests in all lands within the communitized area, and the authorization, if any, for communitizing or pooling any patented or fee lands within the communitized area.

3. All matters of operation shall be governed by the operator under and pursuant to the terms and provisions of this agreement. A successor operator may be designated by the owners of the working interest in the communitized area and four (4) executed copies of a designation of successor operator shall be filed with the Area Oil and Gas Supervisor.

4. Operator shall furnish the Secretary of the Interior, or his duly authorized representative, with a log and history of any well drilled on the communitized area, monthly reports of operations, statements of oil and gas sales and royalties and such other reports as are deemed necessary to compute monthly the royalty due the United States as specified in the applicable oil and gas operating regulations.

5. The communitized area shall be developed and operated as an entirety, with the understanding and agreement between the parties hereto that all communitized substances produced therefrom shall be allocated among the leaseholds comprising said area in the proportion that the acreage interest of each leasehold bears to the entire acreage interest committed to this agreement.

6. The royalties payable on communitized substances allocated to the individual leases comprising the communitized area and the rentals provided for in said leases shall be determined and paid on the basis prescribed in each of the individual leases. Payments of rentals under the terms of leases subject to this agreement shall not be affected by this agreement except as provided for under the terms and provisions of said leases or as may herein be otherwise provided. Except as herein modified and changed, the oil and gas leases subject to this agreement shall remain in full force and effect as originally made and issued. It is agreed that for any Federal lease bearing a sliding- or step-scale rate of royalty, such rate shall be determined separately as to production from each communitization agreement to which such lease may be committed, and separately as to any noncommunitized lease production, provided, however, as to leases where the rate of royalty for gas is based on total lease production per day, such rate shall be determined by the sum of all communitized production allocated to such a lease plus any noncommunitized lease production.

7. There shall be no obligation on the lessees to offset any well or wells completed in the same formation as covered by this agreement on separate component tracts into which the communitized area is now or may hereafter be divided, nor shall any lessee be required to measure separately communitized substances by reason of the diverse ownership thereof, but the lessees hereto shall not be released from their obligation to protect said communitized area from drainage of communitized substances by a well or wells which may be drilled offsetting said area.

8. The commencement, completion, continued operation or production of a well or wells for communitized substances on the communitized area shall be construed and considered as the commencement, completion, continued operation or production on each and all of the lands within and comprising said communitized area, and operations or production pursuant to this agreement shall be deemed to be operations or production as to each lease committed hereto.

9. Production of communitized substances and disposal thereof shall be in conformity with allocation, allotments, and quotas made or fixed by any duly authorized person or regulatory body under applicable Federal statutes. This agreement shall be subject to all applicable Federal laws or executive orders, rules and regulations, and no party hereto shall suffer a forfeiture or be liable in damages for failure to comply with any of the provisions of this agreement if such compliance is prevented by, or if such failure results from, compliance with any such laws, orders, rules or regulations.

10. This agreement is effective February 22, 1982, upon execution by the necessary parties, notwithstanding the date of execution, and upon approval by the Secretary of the Interior, or his duly authorized representative, and shall remain in force and effect as to the ABO and SAN ANDRES formations individually for a period of two (2) years and so long thereafter as communitized substances are, or can be, produced from the communitized area in paying quantities; provided, that prior to production in paying quantities from the communitized area and upon fulfillment of all requirements of the Secretary of the Interior, or his duly authorized representative, with respect to any dry hole or abandoned well, this agreement may be terminated at any time by mutual agreement of the parties hereto. This agreement shall not terminate upon cessation of production if, within sixty

(60) days thereafter, reworking or drilling operations on the communitized area are commenced and are thereafter conducted with reasonable diligence during the period of nonproduction. The two-year term of this agreement will not in itself serve to extend the term of any Federal lease which would otherwise expire during said period.

11. The covenants herein shall be construed to be covenants running with the land with respect to the communitized interest of the parties hereto and their successors in interests until this agreement terminates and any grant, transfer, or conveyance of any such land or interest subject hereto, whether voluntary or not, shall be and hereby is conditioned upon the assumption of all obligations hereunder by the grantee, transferee, or other successor in interest, and as to Federal land shall be subject to approval by the Secretary of the Interior.

12. It is agreed between the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all operations within the communitized area to the same extent and degree as provided in the oil and gas leases under which the United States of America is lessor and in the applicable oil and gas regulations of the Department of the Interior.

13. This agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors, and assigns.

14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto, and shall be binding upon all parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.

15. Nondiscrimination: In connection with the performance of work under this agreement, the operator agrees to comply with all of the provisions of Section 202 (1) to (7) inclusive, of Executive Order 11246 (30 F.R. 12319), as amended, which are hereby incorporated by reference in this agreement.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the day and year first above written and have set opposite their respective names the date of execution.

DATE OF EXECUTION: February 22, 1982

YATES PETROLEUM CORPORATION

ADDRESS: 207 South 4th Street
Artesia, New Mexico 88210

By: John A. Yates
Attorney-in-Fact

STATE OF NEW MEXICO)
 :ss
COUNTY OF EDDY)

The foregoing instrument was acknowledged before me this 22 day of February, 1982, by John A. Yates, Attorney-in-Fact for YATES PETROLEUM CORPORATION, a New Mexico corporation, on behalf of said corporation.

My Commission Expires:
6-27-84

Bruce Ross Hodges
Notary Public



YATES DRILLING COMPANY

By *Leighton Yates*
Attorney-in-Fact

ABO PETROLEUM CORPORATION

By *John A. Yates*
Attorney-in-Fact

MYCO INDUSTRIES, INC.

By *John A. Yates*
Attorney-in-Fact

STATE OF NEW MEXICO)
 : ss.
COUNTY OF EDDY)

The foregoing instrument was acknowledged before me this 22nd day of February, 1982, by JOHN A. YATES, Attorney-in-Fact of ABO PETROLEUM CORPORATION, a New Mexico corporation, on behalf of said corporation.

My commission expires:
June 27, 1984

Bettye Ruth Hodges
Notary Public

STATE OF NEW MEXICO)
 : ss.
COUNTY OF EDDY)

The foregoing instrument was acknowledged before me this 22nd day of February, 1982, by *Leighton Yates*, Attorney-in-Fact of YATES DRILLING COMPANY, a New Mexico corporation, on behalf of said corporation.

My commission expires:
June 27, 1984

Bettye Ruth Hodges
Notary Public

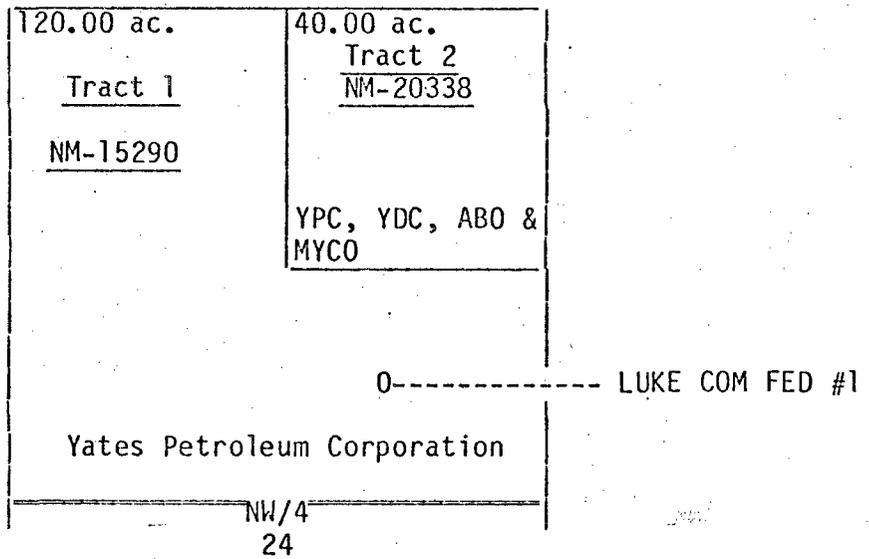
STATE OF NEW MEXICO)
 : ss.
COUNTY OF EDDY)

The foregoing instrument was acknowledged before me this 22nd day of February, 1982, by *John A. Yates*, Attorney-in-Fact of MYCO INDUSTRIES, INC., a New Mexico corporation, on behalf of said corporation.

My commission expires:
June 27, 1984

Bettye Ruth Hodges
Notary Public

EXHIBIT "A"



PLAT OF COMMUNITIZED AREA

TOWNSHIP 10 SOUTH, RANGE 25 EAST, N.M.P.M.

NW/4 SECTION 24

ABO AND SAN ANDRES FIELDS

CHAVES COUNTY, NEW MEXICO

EXHIBIT "B" TO COMMUNITIZATION AGREEMENT

Dated: February 22, 1982
 Embracing: NW/4 Sec. 24, T10S, R25E, NMPM
 Chaves County, New Mexico
 Operator of Communitized Area: McClellan Oil Corporation
 P. O. Drawer 730
 Roswell, New Mexico 88201

DESCRIPTION OF LEASES COMMITTED

Tract No. 1

Serial No. of Lease: NM-15290
 Date of Lease: April 1, 1972
 Lease Term: Ten Years
 Lessor: United States of America
 Original Lessee: Charlotte Hahn
 Present Lessee: Yates Petroleum Corporation-100%
 Description of Land Committed: Township 10 South, Range 25 East
 Section 24: NW/4NW/4; S/2NW/4
 Number of Net Acres: 120.00
 Working Interest and Percentage: Yates Petroleum Corporation-100%
 ORI and Percentage: Charlotte Hahn - 2-1/2%
 C. E. Strange - 2-1/2%

Tract No. 2

Serial No. of Lease: NM-20338
 Date of Lease: April 1, 1974
 Lease Term: Ten Years
 Lessor: United States of America
 Original Lessee: E. A. Witter
 Present Lessee: Yates Petroleum Corporation-25%
 Yates Drilling Company -25%
 Abo Petroleum Corporation -25%
 Myco Industries, Inc. -25%
 Description of Land Committed: Township 10 South, Range 25 East
 Section 24: NE/4NW/4
 Number of Net Acres: 40.00
 Working Interest and Percentage: Yates Petroleum Corporation-100%
 ORI and Percentage: Clara W. Hoagland - 2%
 Albert S. Witter - 1-1/2%
 June W. Gillman - 1-1/2%

Exhibit "B" to Communitization Agreement Dated
February 22, 1982
Covering the NW/4 Sec. 24, T10S-R25E, NMPM
Chaves County, New Mexico
Page 2

RECAPITULATION

<u>Tract Number</u>	<u>Number Of Acres In Communitized Area</u>	<u>Percentage Interest In Communitized Area</u>
1	120.00	75.00
2	<u>40.00</u>	<u>25.00</u>
	<u>160.00</u>	<u>100.00</u>



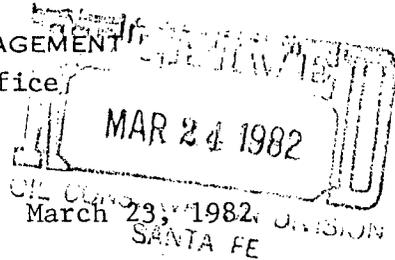
United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Roswell District Office

P. O. Box 1397

Roswell, NM 88201



Oil Conservation Division
 P. O. Box 2088
 Santa Fe, NM 87501
 Attention: Mr. Dick Slamets

Dear Mr. Slamets:

Eastern New Mexico University (ENMU) conducted an archeological survey for McClellan Oil Corporation's Luke Com. Federal #1 on February 22, 1982. During this survey a site ENM 10651 was recorded within the area of the proposed pad. ENMU recorded the site as a lithic scatter with occasional piece of burned rock. Burned rocks are indications that the prehistoric inhabitants spent sufficient time in the area to build a fire for cooking or other activities.

Field inspection of this site by BLM's archeologist showed that there was a scatter of lithic material and also a hearth which was not noted by ENMU. A hearth is a concentration of burned rock and ashes from the fire. This type of situation offers the potential of obtaining a carbon-14 date, one of the few methods we have for dating the majority of the sites in South-eastern New Mexico.

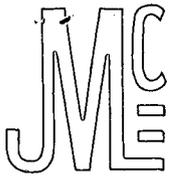
The information potential of site ENM 10651 was only one of the reasons for moving the location of the drilling pad as explained by our letter of March 16, 1982.

Enclosures

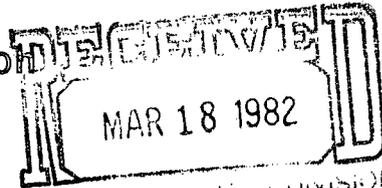
Sincerely yours,

Acting

District Manager



McClellan Oil Corporation



March 16, 1982

NSL-1535

Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: MOC Luke Federal Com #1
NW¼ Sec. 24-10S-25E
Chaves County, N. M.

Attention: Dick Stamets

Gentlemen:

Pursuant to your telephone conversations with our office and the office of Yates Petroleum Corporation, enclosed is the waiver of Yates Petroleum to the unorthodox location of the captioned test.

Very truly yours,


Mrs. Lois Taylor

/Enclosure



207 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210

TELEPHONE (505) 748-1331



March 16, 1982

McClellan Oil Corporation
P. O. Drawer 730
Roswell, New Mexico 88201

Attention: Mr. Jack L. McClellan

Re: Proposed Luke Federal Com #1 Well
Township 10 South, Range 25 East

Gentlemen:

Yates Petroleum Corporation, Yates Drilling Company, Abo Petroleum Corporation and Myco Industries, Inc., hereby waive all objections to the unorthodox location of your proposed well being 2180 feet FNL and 1800 feet FWL of Section 24, Township 10 South, Range 25 East, N.M.P.M., Chaves County, New Mexico

Thank you.

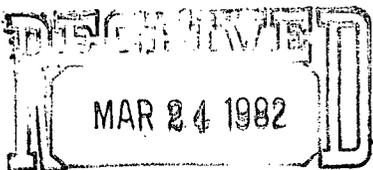
Yours very truly,

RANDY G. PATTERSON
Land Department

Robert Bullock

RB/bh

cc: Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501
Attn: Mr. Dick Stamets



MUSEUM OF NEW MEXICO SURVEY FORM

U.S. CONSERVATION DIVISION

LA No. SANTA FE Site Name ENM 10651 Other Inst.# I.O.

MNM Proj.# UTM: Zone 1 3 E 5 5 9 7 2 0 N 3 6 9 9 3 0 0

Legal Desc. T 10 N/S R 25 E/W Sec. 24

NW 1/4 of the SE 1/4 of the NW 1/4

Unplatted Grant Owner & Address Bureau of Land Management

USGS Quadrangle Comanche Spring, NM (1950) 7.5 or XXIX

County Chaves State NM Nearest Named Drainage Pecos River

Geographical Desc.: Recognized Landmarks The site is located approximately 2.5 miles north of Comanche Hill and approximately 2 miles east of the Pecos River.

Site Size: Length 160' Width 120' Elevation (# of Feet) 3755

Topography (Site Location) The site is located on a northwest facing hillslope overlooking a deeply incised intermittent drainage.

- | | | |
|--|--|---|
| <input type="checkbox"/> arroyo/wash | <input type="checkbox"/> flood plain/ | <input type="checkbox"/> plain/flat |
| <input type="checkbox"/> base of cliff | <input type="checkbox"/> valley bottom | <input type="checkbox"/> playa |
| <input type="checkbox"/> bench | <input type="checkbox"/> hill top | <input type="checkbox"/> ridge |
| <input type="checkbox"/> blowout | <input checked="" type="checkbox"/> hill slope | <input type="checkbox"/> saddle |
| <input type="checkbox"/> canyon rim | <input type="checkbox"/> low rise | <input type="checkbox"/> base talus slope |
| <input type="checkbox"/> cave | <input type="checkbox"/> mesa | <input type="checkbox"/> terrace |
| <input type="checkbox"/> cliff/scarp | <input type="checkbox"/> mountain | other (specify) <u> </u> |
| <input type="checkbox"/> constricted cyn | <input type="checkbox"/> mt. front/foothill | <u> </u> |
| <input type="checkbox"/> dune | <input type="checkbox"/> open canyon floor | <u> </u> |

Local Vegetation mixed grasses including blue grama and ring muhly, broom snakeweed, yucca, purple pricklypear and mesquite

Ecological Zone: forest woodland scrubland grassland X
desertscrub marshland other (specify)

Soil Type: rocky gravelly sandy clayey X other

Local Outcrops: sandstone___ shale X limestone___ basalt___ tuff___
other (specify) massive gypsum

Arch. Status: Amount and Type of Work Past and Present Site was surveyed
by ACA on 2/22/82. No previous work has been done at the site to our knowledge.

National and/or State Register Status:

- On State Register
- On National and State Register
- Recommended for National by State, on State Register
- Recommended for National and State Register
- In District, National and State
- In District, National
- In District, State
- Recommended and rejected
- Insufficiently evaluated, potential unknown
- Not nominated

Condition of Site: intact___ grazed X eroded X mech. disturbance X
vandalized___ other___

Mitigation: avoid___ monitor___ test___ excavate___ not required XX

Surveyed for McClellan Oil Corporation

Record Form: Surv. Forms X Excav. Forms___ Sketch Map X Photos___

Loc. of Forms, Maps, Photos ACA, ENMU, Portales, NM

Surface and/or Subsurface Collections: yes___ no X Strategy___

Location of Collected Artifacts NA

Previous Collections? No When___ Repository___

Is there another site close by? yes LA or Field Identif.# AR 383 - AR 388

Type of Site unknown

Time Diagnostic Artifacts: 0

No. of Temporal Components Unknown

(Earliest to Latest)

Temporal Component (1)

Features The site is an extensive scatter of burned caliche with a total of 14 flakes, 1 mano, 1 uniface and 3 cores.

Culture Unknown Period _____ Phase _____

Site Function: Unknown Best Date _____ Mean Date _____

Method of Date NA Rooms _____ Reliability 1 2 3

Units _____ Reliability 1 2 3

(1-3 most reliable to least reliable)

Temporal Component (2)

Features _____

Culture _____ Period _____ Phase _____

Site Function _____ Best Date _____ Mean Date _____

Method of Date _____ Rooms _____ Reliability 1 2 3

Units _____ Reliability 1 2 3

(1-3 most reliable to least reliable)

Temporal Component (3)

Features _____

Culture _____ Period _____ Phase _____

Site Function _____ Best Date _____ Mean Date _____

Method of Date _____ Rooms _____ Reliability 1 2 3

Units _____ Reliability 1 2 3

(1-3 most reliable to least reliable)

Additional Temporal Components

Published Reference:

Date _____

Institution _____

Author and Title _____

Remarks: ENM 10651 is located on a hillslope overlooking a deeply incised drainage which emptys onto the flood plain of the Pecos River. The hillslope is composed of a reddish clay/shale with an outcrop of massive bedded gypsum at the crest of the slope. Although the incline is gentle within the site area some minor rill formation was noted in the northwest quadrant of the site. The depositional context of the artifacts appears to be completely surficial.

Field Recorder L. Brett Date 2/22/82

Lab Recorder L. Brett Date 2/23/82

Site Description (Cont.)

The site itself is a scatter of burned caliche fragments, lithic artifacts and debitage measuring 160 X 120 feet. Occasional fragments of burned caliche were noted within the 400' X 400' pad area, but were not included in the site area estimate. The artifact inventory included the following materials.

Debitage:

1. primary flake of light grey quartzite (burned); 4 X 6 cm
2. tertiary flake of clear chalcedony; 2 X 2 cm
3. primary flake of black fine grained metamorphic rock; 1 X 2 cm
4. tertiary flake of white chalcedony; 1 X 1 cm
5. tertiary flake of red chert; 2 X 3 cm
6. tertiary flake of purple fine grained quartzite; 3 X 4 cm
7. tertiary flake of white chert; 1 X 2 cm
8. tertiary flake of yellow chert; 5 X 4 cm
9. primary flake of chalcedony; 3 X 3 cm
10. tertiary flake of black fine grained metamorphic rock; 3 X 4 cm
11. primary flake of purple fine grained quartzite; 5 X 4 cm
12. tertiary flake of chalcedony; 4 X 3 cm
13. primary flake of silicified sandstone; 4 X 2 cm
14. primary flake of chalcedony; 4 X 3 cm

Cores:

1. core (no cortex) of black metamorphic rock; 6 X 6 X 4 cm
2. core (no cortex) of cream chert; 4 X 3 X 2 cm
3. tested core (alluvial cortex) of translucent chalcedony with dark inclusions; 8 X 8 X 5 cm

Flake Tools:

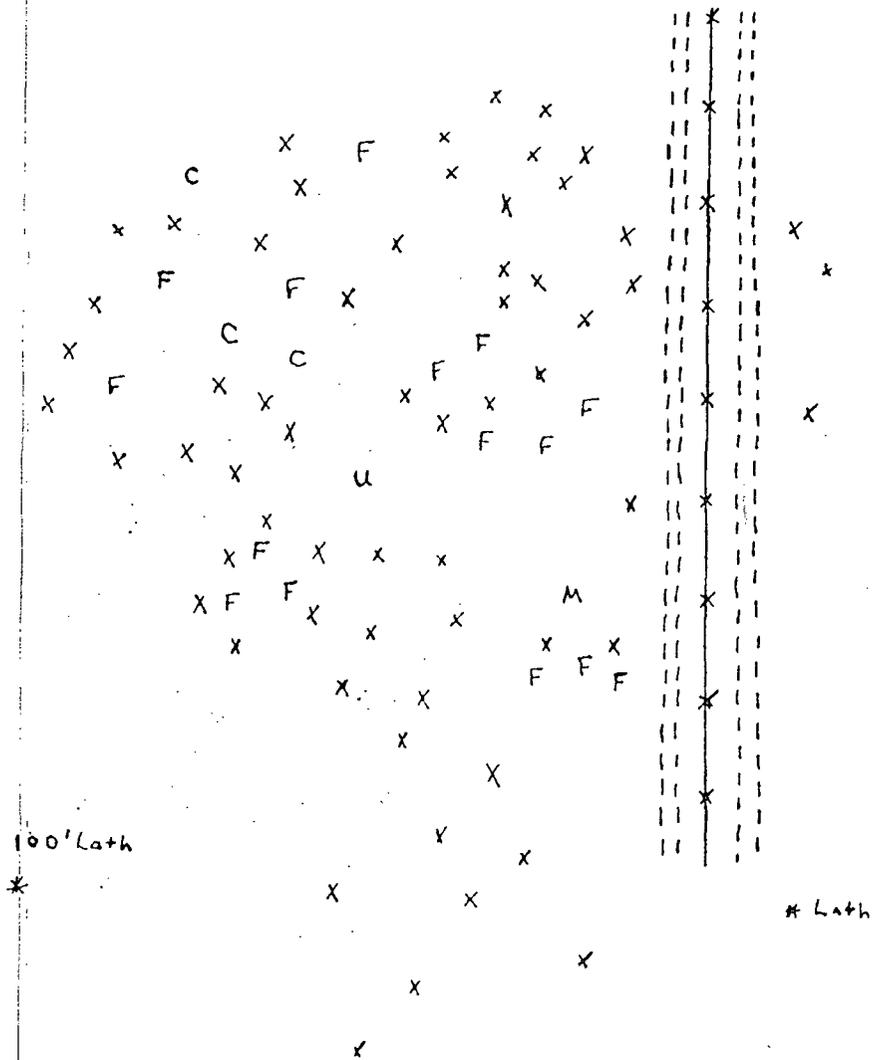
1. uniface made of a tertiary flake; retouch on the termination only; chalcedony (heat treated); 4 X 3 cm

Ground Stone:

1. cobble mano of a coarse grained sandstone with a single grinding surface; 16 X 12 X 6 cm

ENM 10651

N



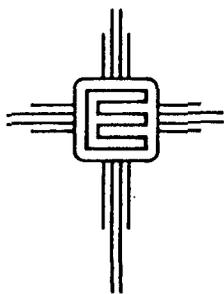
100' Lath

Lath

- ROAD ===
- Fence -x-
- burned caliche x
- MANO M
- Flake F
- Core C
- uniface U

25 Feet

6-82-534
Comanche Springs ✓



EASTERN NEW MEXICO UNIVERSITY

Portales 88130

Agency for Conservation Archaeology

February 24, 1982

Ms. Ann Ramage
District Archaeologist
Bureau of Land Management
1717 West Second Street
Roswell, NM 88201

Dear Ann:

Enclosed please find a copy of the Agency for Conservation Archaeology's clearance report on Luke Com. Federal #1 & Road for McClellan Oil Corporation in Chaves County, NM. One archaeological site, ENM 10651, was recorded during the course of this reconnaissance.

If I may be of further service to you, do not hesitate to call me at (505) 562-2254.

Sincerely,

Colleen

T-10 S

Dr. Colleen M. Beck
Director, ACA

dlo

Enclosure

field checked 3-9-82 found a hearth +
too many artifacts to ignore. AR

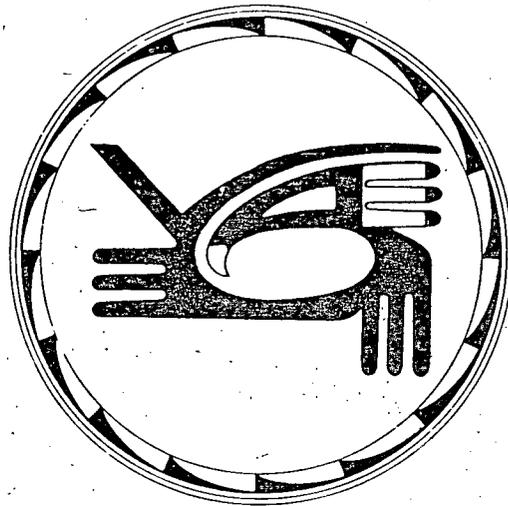
3-12-82 moved the location 200ft to the
south, so the location is now 1800 FWL and
2180 FWL. The pad was turned so that
the pits were on the east side. This
arrangement should avoid impacting the
site. AR



needs to be field checked -
could need STIPD's concurrence CND

A C A

Llano Estacado Center for Advanced
Professional Studies and Research
Eastern New Mexico University
Portales, New Mexico 88130



Archaeological Clearance Report
for
McClellan Oil Corporation
Luke Com. Federal #1 & Road
F82-215

by
Linda Brett

Edited and Submitted by
Dr. Colleen M. Beck
Director

February 24, 1982



Introduction

An archaeological reconnaissance was recently completed by the Agency for Conservation Archaeology (A.C.A.) at Eastern New Mexico University for McClellan Oil Corporation in Chaves County, New Mexico, on Bureau of Land Management administered land. The reconnoitered area will be impacted by the construction of a well pad and an associated access road. The project was administered by Mr. Paul Ragsdale for McClellan Oil Corporation and Dr. Colleen M. Beck, Director of ACA. This report was prepared by the Portales office of ACA.

The field work was conducted on February 22, 1982 by Linda Brett. Excellent field and weather conditions prevailed throughout the course of this reconnaissance. This survey was conducted under Federal Antiquities Permit number 81-NM-223. A search of the National Register has been made and properties within this area are not listed on the Register.

Survey Technique

Visual inspection of the pad was completed by walking a series of parallel transects. Each transect was covered in a tightly spaced zigzag pattern. The access road was examined as an individual transect, using a tightly spaced zigzag pattern covering the length and breadth. The distance between transects was 25 feet (7.6 meters). This method maximized the opportunity of observing any cultural resources within or near the proposed area of impact.

Luke Com. Federal #1 & Road

Location

The proposed well pad and associated access corridor are located approximately 12 miles east of Roswell, New Mexico, in the Pecos River Valley. The well pad measures 400 X 400 feet (121.9 X 121.9 meters) and the access right of way measures 50 X 5460 feet (15.2 X 1664.2 meters). They are situated as follows:

Well Pad:

SE 1/4 NW 1/4, Section 24, T10S R25E, NMPM, Chaves County, NM (BLM)

Access Road:

SE 1/4 NW 1/4, Section 24, T10S R25E, NMPM, Chaves County, NM (BLM)
NE 1/4 SW 1/4, Section 24, T10S R25E, NMPM, Chaves County, NM (BLM)
NW 1/4 SE 1/4, Section 24, T10S R25E, NMPM, Chaves County, NM (BLM)

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SW 1/4 SE 1/4, Section 24, T10S R25E, NMPM, Chaves County, NM (BIM)
SE 1/4 SE 1/4, Section 24, T10S R25E, NMPM, Chaves County, NM (BIM)

Note: The proposed road follows an existing two-track ranch road.

Plat: Figure 1

Map Reference: USGS Comanche Spring Quadrangle, 7.5 minute series, 1950
(Figure 2)

Terrain

The proposed well pad and associated access corridor are located in the Pecos River Valley, between approximately 1.5 and 2 miles north of Comanche Hill. The pad is situated on a clay/shale erosional surface with a deep narrow arroyo in the southwest corner of the pad. Bedded gypsum is exposed in the arroyo and in outcrops along the pad. The access road is also located on a clay/shale erosional surface with exposed outcrops of gypsum grading upslope into a sandy slope. The elevation in the area varies from 3740 to 3857 feet (1140 to 1175.6 meters). The soils encountered in the surveyed area are predominantly loam to loamy sand. Taxonomically, they can be classified as a member of the Gypsiorthids-Torriorthents-Gypsum Land association. Lithic inclusions consist of gypsum, orthoclase and quartzite.

Floristics

ACA encountered a dense floral assemblage in this location. The density of the vegetation in the area varies between 70 and 85 percent, consisting primarily of grasses. The dominant species is blue grama (Bouteloua gracilis). Among other species present are mesquite (Prosopis juliflora), purple pricklypear (Opuntia macrocentra), yucca (Yucca glauca), bush muhly (Muhlenbergia porteri), ring muhly (Muhlenbergia torreyi), broom snakeweed (Gutierrezia sarothrae), and other mixed grasses.

Cultural Resources

During the course of this reconnaissance, the Agency for Conservation Archaeology recorded one archaeological site, ENM 10651:

ENM 10651

Location: NW 1/4 SE 1/4 NW 1/4, Section 24, T10S, R25E, NMPM, Chaves County, NM

UTM: Zone 13; N3699300; E559720

Map Reference: USGS Comanche Spring Quadrangle, 7.5 minute series, 1950

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

Operator McClellan Oil Corp.			Lease Luke Com Federal			Well No. 1
Section 24	Township 10 S.	Range 25 E.	County Chaves			
Well Postage Location of Well: 1980 feet from the North line and 1800 feet from the West line						
Well Level Elev. 3768	Producing Formation		Pool		Dedicated Acreage: 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 _____

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 Division.

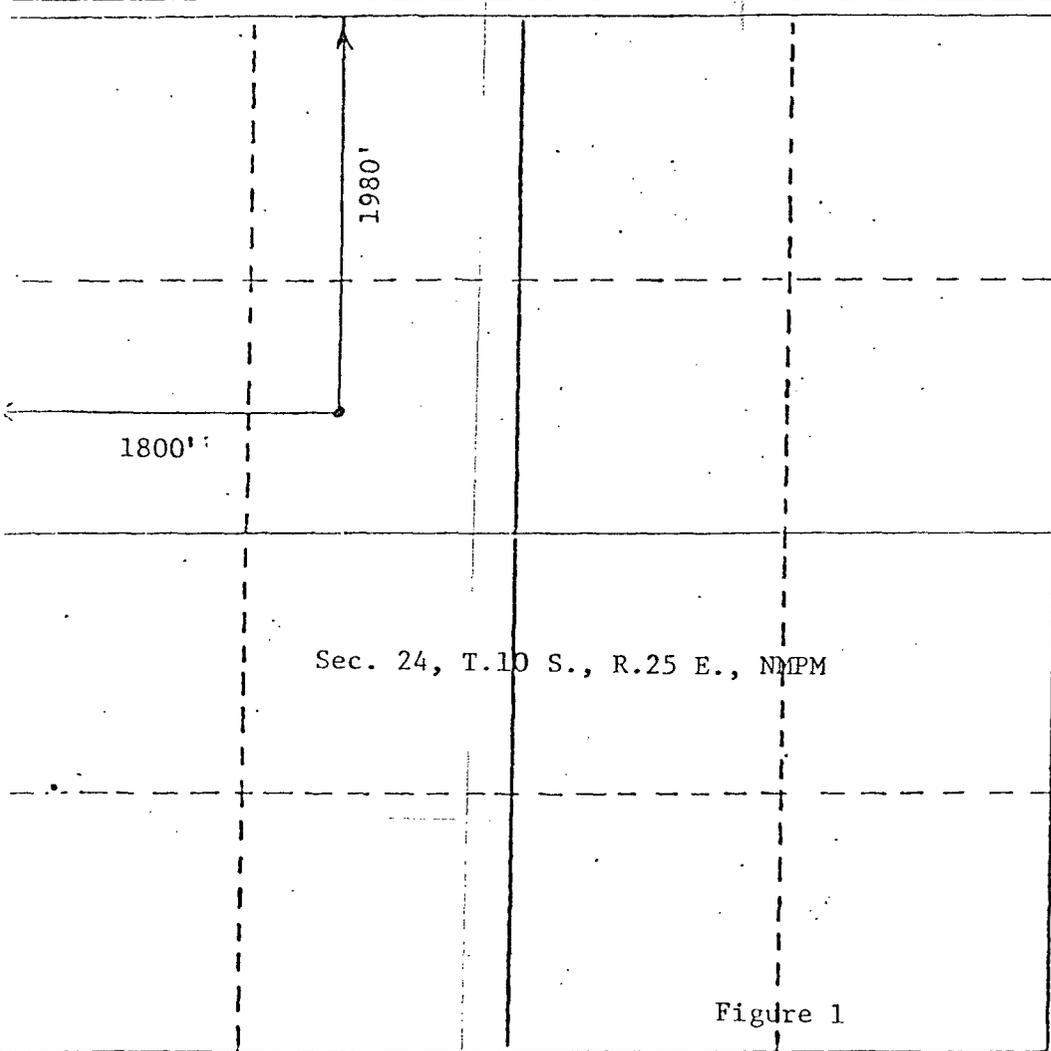


Figure 1

CERTIFICATION

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

Name	
Position	
Company	
Date	

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.

JOHN D. JAQUES
NEW MEXICO
Feb. 18, 1982
Registered Professional Engineer and Land Surveyor
6290
LAND SURVEYOR
John D. Jaques P.E. & L.S.
Certificate No. 6290

Ownership: Bureau of Land Management

Site Type: lithic scatter

Site Size: 160 X 120 feet

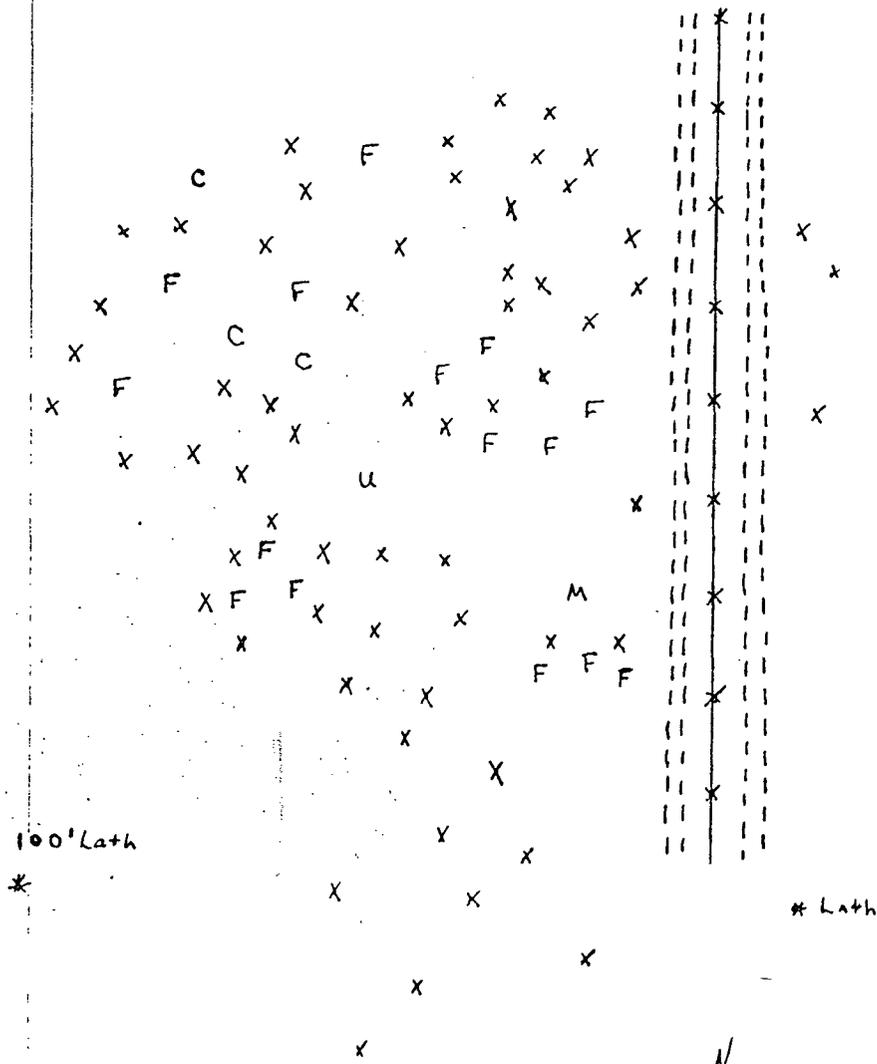
Site Description: ENM 10651 is located on a hillslope overlooking a deeply incised drainage which emptys onto the flood plain of the Pecos River. The hillslope is composed of a reddish clay/shale with an outcrop of massive bedded gypsum at the crest of the slope. Although the incline is gentle within the site area, some minor rill formation was noted in the northwest quadrant of the site. The depositional context of the artifacts appears to be completely surficial.

The site itself is a scatter of burned caliche fragments, lithic artifacts and debitage measuring 160 X 120 feet. Occasional fragments of burned caliche were noted within the 400' X 400' pad area, but were not included in the site area estimate. The artifact inventory included the following materials.

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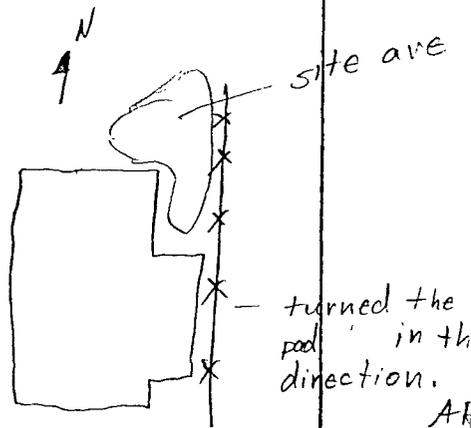
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14. primary flake of chalcedony; 4 X 3 cm

ENM 10651



- ROAD ===
- Fence -x-
- burned caliche X
- MANO M
- Flake F
- Core C
- uniface U

25 Feet



AR

ACA F82-215

Cores

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Flake Tools

1. uniface made on a tertiary flake; retouch on the termination only; chalcedony (heat treated); 4 X 3 cm

Ground Stone

1. cobble mano of a coarse grained sandstone with a single grinding surface; 16 X 12 X 6 cm

Recommendations

ACA recommends clearance for the proposed well pad and access road for the following reasons.

- 1) As far as can be determined from field reconnaissance, ENM 10651 has no geologic integrity on the surface. Since there is minimal soil depth in the area as shown by the shale and gypsum outcrops and the site's surface appears eroded, the site probably has no depth.
- 2) The surface materials were extensively recorded during the initial survey of the site. Additionally, the artifacts found are non-diagnostic.
- 3) The site has already been impacted by grazing, fence building, and two roads which run parallel to the fence on either side.

Given these considerations, ACA contends that no further information can be gained from ENM 10651, therefore, clearance for the proposed construction is recommended. However, if the BIM should elect to avoid the site, the BIM should be aware that the pad cannot be moved to the west, north or east because of the rugged terrain and could only be moved to a higher position to the south.