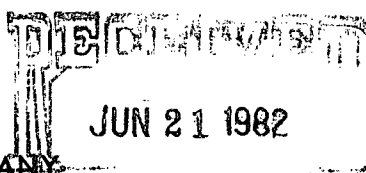


YATES DRILLING COMPANY

YATES BUILDING - 207 SOUTH 4TH ST. - (505) 746-3558

ARTESIA, NEW MEXICO - 88210



PEYTON YATES.
PRESIDENT

S. P. YATES.
VICE PRESIDENT

B. W. HARPER.
SEC.-TREAS.

JACK W. McCAW.
ASST. SEC.-TREAS.

June 17, 1982

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

NSL-1558
Rule 7C) B5353
7-12-82

Re: Sotol "UQ" Federal #1
Lease # NM-31186
Section 7-T15S-R30E
850' FSL and 1450' FWL
Chaves County, New Mexico

Dear Mr. Ramey,

*Double L Queen Associated
Pool*

Yates Drilling Company would appreciate an administrative approval for a proposed unorthodox Queen ^{oil} gas well location, as provided for under NMOCD Rule 104F.

The enclosed map shows the topography in the southwest quarter of Section 7. Our preferred location was 990' FSL and 1650' FWL. As can be seen on the map, this location falls on the gas pipeline right-of-way. The Minerals Management Service and Bureau of Land Management will not approve this location as there is an archaeological site on the east side of the pipeline, from our preferred location. Thus, we are requesting administrative approval for this location for topographical and archaeological reasons.

The enclosed land map shows the offset operators who have been notified by certified mail of our request.

We will appreciate your expeditious approval and issuance of the administrative order.

Very truly yours,

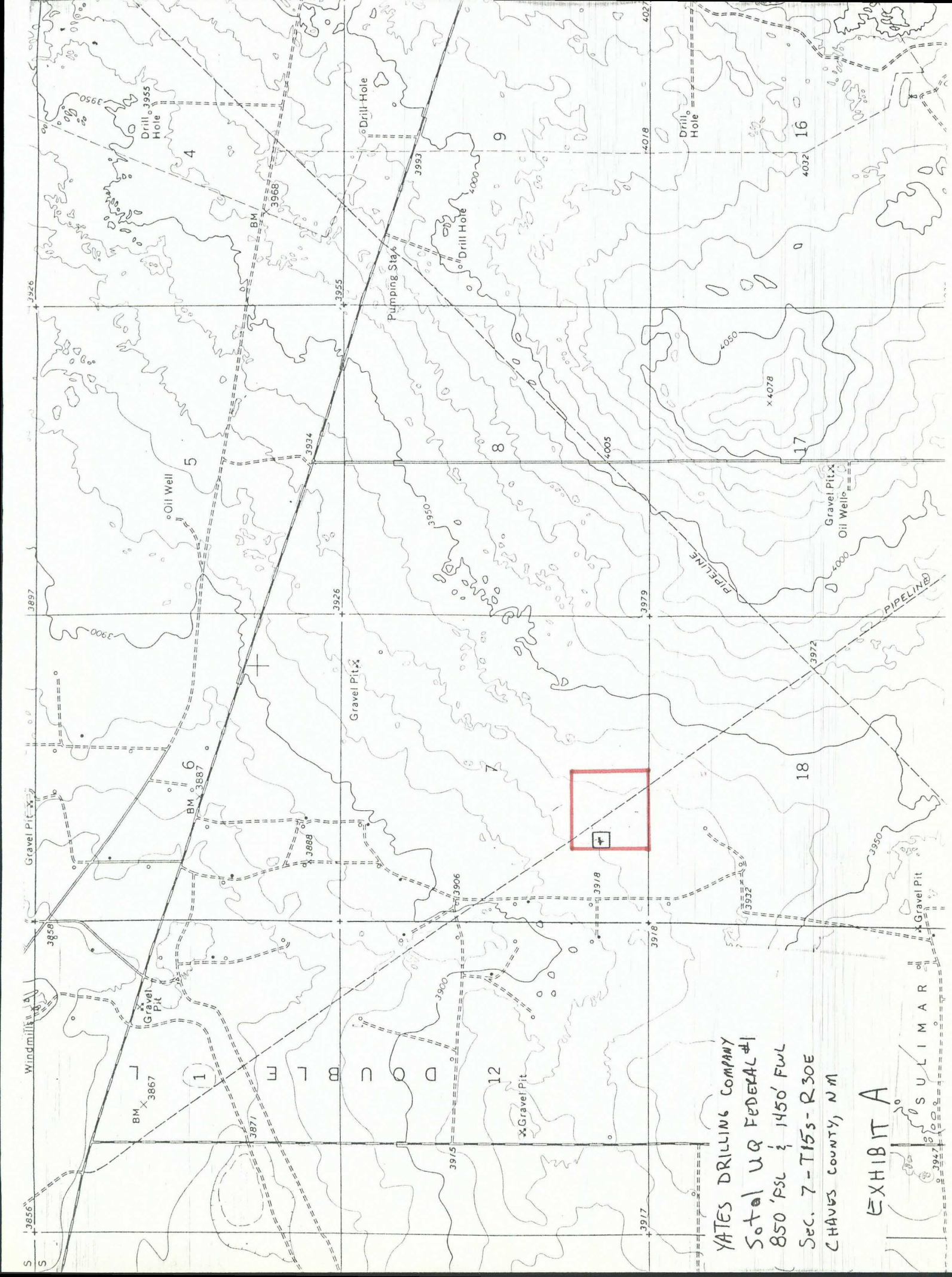
Ken Beardemph

Ken Beardemph
Regulatory Coordinator
YATES PETROLEUM CORPORATION

KB/dw

enclosures

cc: McClellan Oil, L. C. Harris



YATES DRILLING COMPANY
Sotol UQ FEDERAL #1
850' PSL & 1450' FWL
Sec. 7-T15S-R30E
CHAVES COUNTY, NM

EXHIBIT A

S U L I M A R
3947 3948 3949 3950 3951 3952 3953 3954 3955 3956 3957 3958 3959 3960 3961 3962 3963 3964 3965 3966 3967 3968 3969 3970 3971 3972 3973 3974 3975 3976 3977 3978 3979 3980 3981 3982 3983 3984 3985 3986 3987 3988 3989 3990 3991 3992 3993 3994 3995 3996 3997 3998 3999 4000 4001 4002 4003 4004 4005 4006 4007 4008 4009 4010 4011 4012 4013 4014 4015 4016 4017 4018 4019 4020 4021 4022 4023 4024 4025 4026 4027 4028 4029 4030 4031 4032 4033 4034 4035 4036 4037 4038 4039 4040 4041 4042 4043 4044 4045 4046 4047 4048 4049 4050 4051 4052 4053 4054 4055 4056 4057 4058 4059 4060 4061 4062 4063 4064 4065 4066 4067 4068 4069 4070 4071 4072 4073 4074 4075 4076 4077 4078 4079 4080 4081 4082 4083 4084 4085 4086 4087 4088 4089 4090 4091 4092 4093 4094 4095 4096 4097 4098 4099 4100

<p>34</p> <p>Votes Div. 1 McClellan Oil 15309</p> <p>U.S.</p>	<p>33</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>32</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>31</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>30</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>29</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>28</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>27</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>26</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>25</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>24</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>23</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>22</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>21</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>20</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>19</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>18</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>17</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>16</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>15</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>14</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>13</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>12</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>11</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>10</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>9</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>8</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>7</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>6</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>5</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>4</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>3</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>2</p> <p>Amco-Fed 15309</p> <p>U.S.</p>	<p>1</p> <p>Amco-Fed 15309</p> <p>U.S.</p>
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--	--	--	--	--

P 243 001 114 RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

SENT TO		McCallan Oil Corp.	
STREET AND NO.		Sec. 1st East Hwy.	
P.O. STATE AND ZIP CODE		Roosevelt, NM 88201	
POSTAGE		\$	
CONSULT POSTMASTER FOR FEES			
OPTIONAL SERVICES		CERTIFIED FEE	
RETURN RECEIPT SERVICE		SPECIAL DELIVERY	
RESTRICTED DELIVERY		RESTRICTED DELIVERY	
SHOW TO WHOM AND DATE DELIVERED		DATE DELIVERED	
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY		SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	
TOTAL POSTAGE AND FEES		\$	
POSTMARK OR DATE		6/17/82	

P 243 001 113 RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

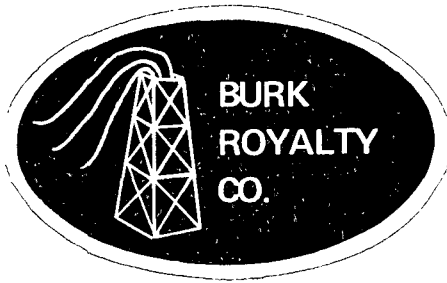
SENT TO		L C Harris	
STREET AND NO.		Sec. 1st East Hwy.	
P.O. STATE AND ZIP CODE		Roosevelt, NM 88201	
POSTAGE		\$	
CONSULT POSTMASTER FOR FEES			
OPTIONAL SERVICES		CERTIFIED FEE	
RETURN RECEIPT SERVICE		SPECIAL DELIVERY	
RESTRICTED DELIVERY		RESTRICTED DELIVERY	
SHOW TO WHOM AND DATE DELIVERED		DATE DELIVERED	
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY		SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	
TOTAL POSTAGE AND FEES		\$	
POSTMARK OR DATE		6/17/82	

P 243 001 112 RECEIPT FOR CERTIFIED MAIL

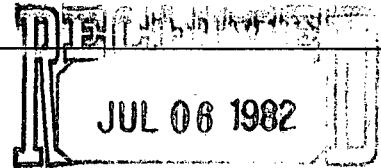
NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

SENT TO		NMCCD	
STREET AND NO.		Box 2088	
P.O. STATE AND ZIP CODE		Santa Fe, NM 87503	
POSTAGE		\$	
CONSULT POSTMASTER FOR FEES			
OPTIONAL SERVICES		CERTIFIED FEE	
RETURN RECEIPT SERVICE		SPECIAL DELIVERY	
RESTRICTED DELIVERY		RESTRICTED DELIVERY	
SHOW TO WHOM AND DATE DELIVERED		DATE DELIVERED	
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY		SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	
TOTAL POSTAGE AND FEES		\$	
POSTMARK OR DATE		6/17/82	



June 30, 1982



OIL CONSERVATION DIVISION
SANTA FE

155-8

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

Re: Sotol "UQ" Federal #1
Lease #NM 31186
Section 7-T15S-R30E
850' FSL and 1450' FWL
Chaves County, New Mexico

Dear Mr. Ramey:

We recently received a letter from Yates Drilling Company of Artesia, New Mexico concerning the drilling of an unorthodox Queen gas well offsetting our Double "L" Queen Unit. A copy of their letter to you is enclosed.

We do not object to the drilling of this well, but we would like to have some proof from Yates Drilling Company that an archaeological site does exist to the east of the so mentioned pipeline.

Sincerely yours,

BURK ROYALTY CO.

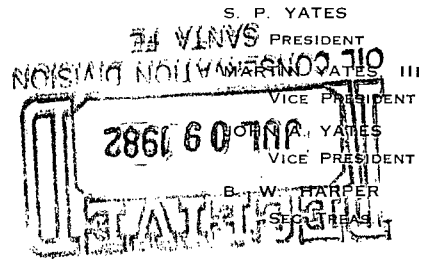
Fred M. Lynch
Fred M. Lynch

FML/ks
Enc.



207 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210

TELEPHONE (505) 748-1331



July 6, 1982

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

Re: Sotol "UQ" Federal #1
Lease #NM-31186
Section 7-T15S-R30E
850' FSL and 1450' FWL
Chaves County, New Mexico

Dear Mr. Ramey,

Enclosed please find the archaeological survey on the
captioned well as per your request.

If further information is required, please don't hesitate
to contact me.

Sincerely,

Debbie Delbour

for Ken Beardemphl
Regulatory Coordinator
YATES PETROLEUM CORPORATION

KB/dw

enclosure

**ARCHAEOLOGICAL SURVEY of
YATES PETROLEUM CORPORATION'S
SOTOL "UQ" FEDERAL WELL NO. 1,
CHAVES COUNTY, NEW MEXICO**

GRC Report L8204a

by
Robert K. Alexander, Ph.D.
Senior Archaeologist
and
John C. Haight
Project Archaeologist

GRAND RIVER CONSULTANTS, Inc.
3308 27th Street
Lubbock, TX 79410
(806)795-9993

June 25, 1982

Prepared for:

Yates Petroleum Corporation
207 South 4th
Artesia, N.M. 88220

Distribution:

BLM - Roswell District Office (3)
New Mexico SHPO - Santa Fe (1)
State Archaeologist (1)
Yates Petroleum Corporation (1)

CULTURAL RESOURCE EXAMINATION REPORT

on lands administered by:
Department of the Interior
Bureau of Land Management
New Mexico, Roswell District

2b. Case File # _____
☒ Oil Gas Lease
___ Coal: ___ Explor. ___ Lease
Other _____

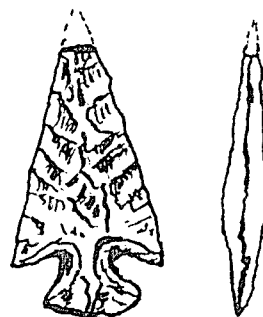
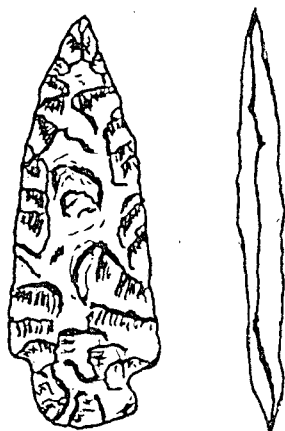
1. Abstract: Archaeological survey of Yates Petroleum Corporation's Sotol "UQ" Federal Well No. 1, Chaves County, New Mexico. Cultural resources found on location.
2. Resource Area: Roswell

Location: T15S, R30E Sec 7, SE1/4, SW1/4: 850 FSL, 1650 FWL
Access Road: T15S, R30E Sec 7, SE1/4, SW1/4 and SW1/4, SW1/4

U.S.G.S. 7.5' series CEDAR POINT, N.M. 1973
3. Project Description: Well Location: 400' by 400'+ a 50' buffer
Access Road: 1200' by 50' R/W

Topography: location situated in a series of closed and inter-connected aeolian deflation basins known locally as the Mescalero Sands.

Vegetation: Mesquite, yucca (*Y. glauca*), sand sage, scrub oak, rabbit brush, and *Sporobolus flexuosus*.
4. Examination Procedure: Zig-zag transects to cover total pad area and buffer. Zig-zag transects across access road R/W.
5. Findings: Exhausted cores, waste flakes, and shatter from lithic reduction. Possible utilized and retouched flakes, two chert projectile points (collected). One chert biface (collected) Five Jornada Brownware sherds (one collected). One Chupadero B/W sherd (collected), one eroded fire hearth and light scatters of burned caliche cobbles. Points illustrated to actual size:



alternate ~
beveled retouch
along blade



6. Recommendations: Site covers east side of location. Recommend that location be moved 200 feet west to 850 FSL, 1450 FWL. Also recommend that a section of fence be erected on east side of pad before construction begins to protect site from construction damage. No cultural resources were observed on the alternate location; therefore, we recommend that alternate location and access road be cleared for construction.

Permit # 81-NM-054

I certify that this examination complies with EO 11593.

6/15/82
Date of Examination

John C. Haight
Project Archaeologist
Robert K. Allen
Principal Investigator

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

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

JUL 09 1982

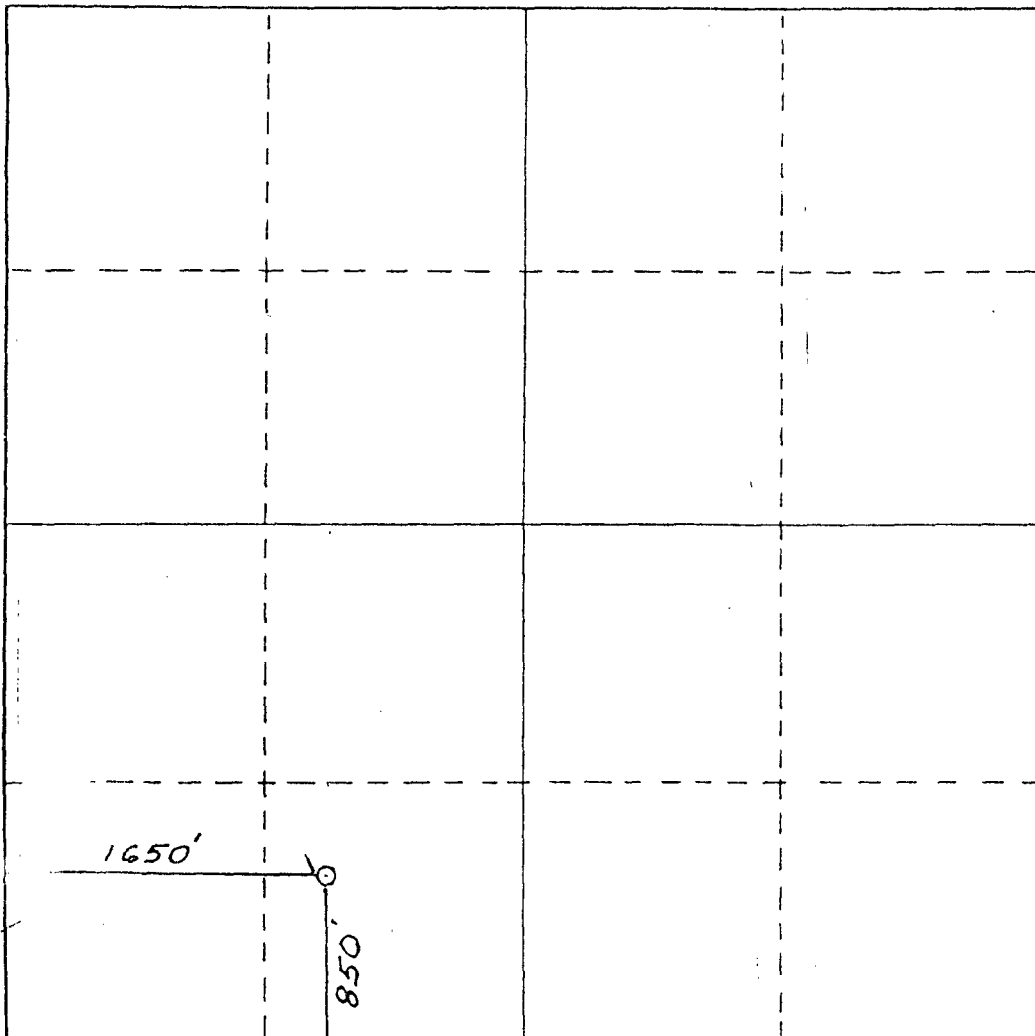
Operator YATES PETROLEUM CORPORATION		Lease Sotol UQ Federal		Well No. 1	
Unit Letter N	Section 7	Township 15 South	Range 30 East	County Chaves	
Actual Footage Location of Well: 850 feet from the South line and 1650 feet from the West line					
Ground Level Elev. 3922.	Producing Formation		Pool	Dedicated Acreage: 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

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.

Date Surveyed

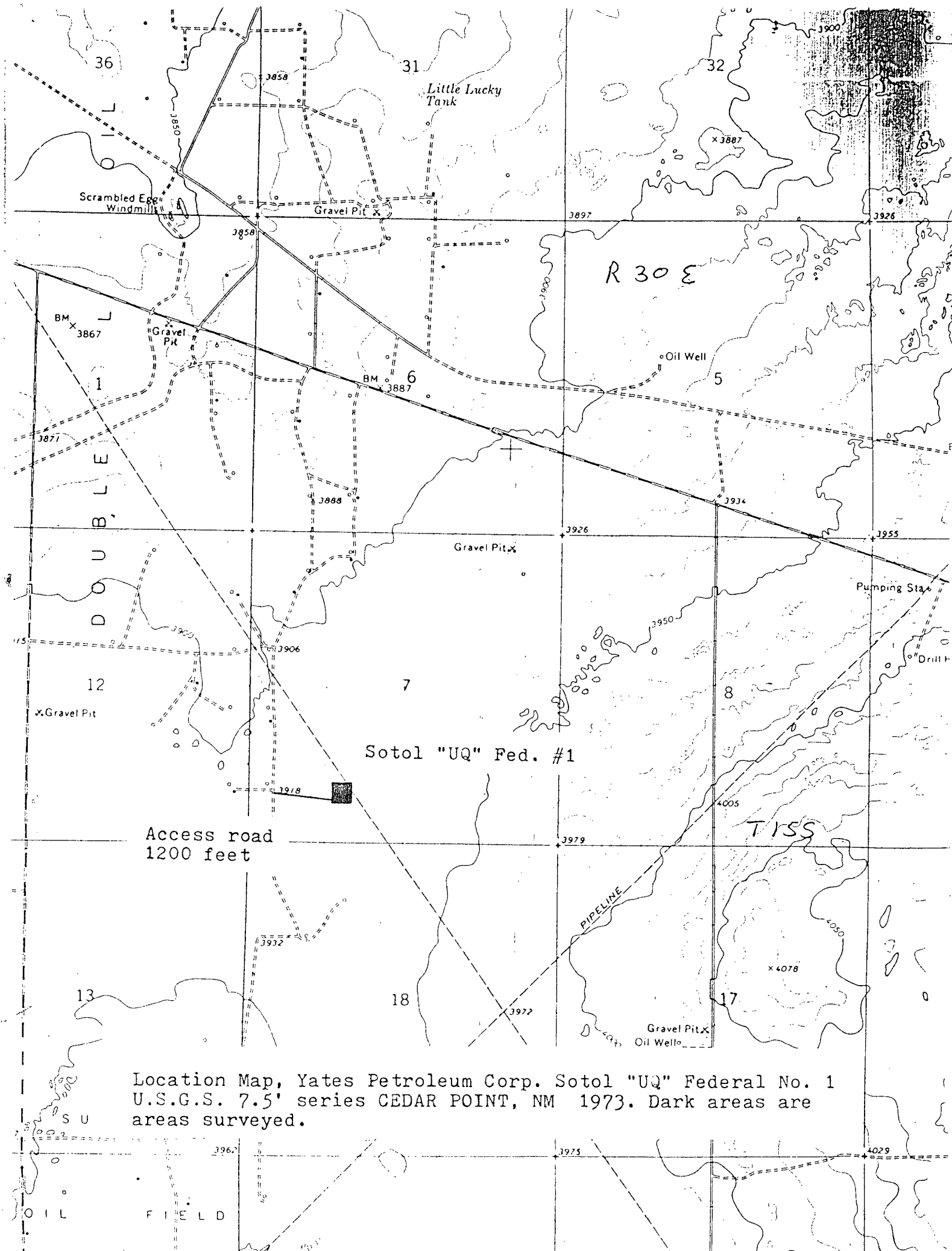
June 14, 1982

Registered Professional Engineer and/or Land Surveyor

Dan R. Reddy

Certificate No.

NM PE&LS #5412



Grand River Consultants, Inc.
ARCHAEOLOGICAL SITE DATA FORM

6/25/82

A. GENERAL INFORMATION

1. Temporary Site No.: GRCNM 1
2. Permanent Site No.:
3. Site name:
4. Project Name: Yates Petroleum Sotol 'UQ' Federal Well No. 1
5. Project funding source(s): Yates Petroleum Corporation
6. Owner and address: BLM, Roswell
7. Informant and address: none
8. Additional Sources of Information: none

B. PREVIOUS INVESTIGATIONS

1. Agency/firm:
2. Activity:
3. Date:
4. Purpose:
5. Original site recorder:

C. LOCATIONAL INFORMATION

1. County: Chaves
2. USGS Map Name & No.: 7.5' CEDAR POINT, NM 1973
3. Elevation: 3925 feet msl (average)
4. UTM: zone 13
Easting: 596,540
Northing: 3,654,480
5. Township/Range: T15S, R30E, Sec. ', N1/2, SE1/4, SW1/4
6. Latitude/Longitude:
7. Description of location with landmarks: Go east from existing location at 990 FSL, 330 FWL about 1,500' to well location.

D. FIELD WORK PERFORMED

1. Survey: Zig-zag transects across well location and buffer zone (ca. 450' by 450') and across access road R/W (ca. 1200' by 50')
2. Testing: none
3. Excavation: none
4. Comments: none
5. Notes housed: GRC Lubbock/Roswell
6. Slides (Y/N): Y
7. Prints (B&W/Col/None): no
Where housed: GRC
8. Collection techniques: none
9. Collected materials: none
Where housed: N/A
12. Comments: site partially collected; site must be avoided or properly mitigated.
13. Special samples (e.g., radiocarbon; list and describe): none
14. How collected? N/A

GRCNM 1 (continued)

E. ENVIRONMENTAL LOCATION

1. Nearest natural water source: interior drainages in Mescalero Sands
2. Distance: varies
3. Drainage basin: Pecos River Basin
4. Drainage type: internal
5. Sedimentary Origins (e.g., colluvial, aeolian): E
6. Sedimentary Type (e.g., clay, sand): sand
7. Vegetation list (list dominant, others if known) Mesquite, yucca, scrub oak, rabbit brush, Sporobolus flexuosos
8. Ground Surface Visibility: 75%
9. Environmental setting of site: a series of deflation basins
10. Additional Comments: site has been impacted on west side by existing pipeline

F. CULTURAL MANIFESTATIONS

1. At Present: 150m by 150m
2. At original occupation: unknown
3. Basis for determination: on site inspection
4. Circumstances of observation well pad survey
5. Depth of cultural deposit: probably some along deflation basin edges and bottoms. Actual depth unknown
6. Basis for determination: on site inspection
7. Time periods of occupation: Jornada-Mogollon
9. Components - Single (S), Multiple (M), Unknown (U): U
10. Basis for determination: N/A
11. Site type: unknown
12. Cultural Features: one highly eroded fire hearth. Subsurface materials possible
13. Artifactual Materials (kinds and distributions): exhausted cores, waste flakes and shatter, some possible utilized retouched flakes, two chert projectile points (collected), one chert biface (collected), five Jornada Brownware sherds (one collected), one Chupadero B/W sherd (collected), burned caliche
14. Discussion of site: site is situated in a series of deflation basins
15. Additional Comments:

G. SITE CONDITION AND RECOMMENDATIONS

1. Approximate percentage of site remaining intact: probably 75%
2. Natural Impacts (e.g., erosion): blow sand may cover some features
3. Artificial Impacts: pipeline impact west side of site
4. Known or perceived future impacts: well pad/pipeline construction
5. Potential for State Archaeological Landmark (Y/N): Y
6. Potential for National Register of Historic Places (Y/N): Y
7. Significance: may yield information on use of the Mescalero Sands environment during ceramic times dating to perhaps 1200 A.D.
Submitted? no
Uncertain/unknown?

H. CURRENT REGISTRATION

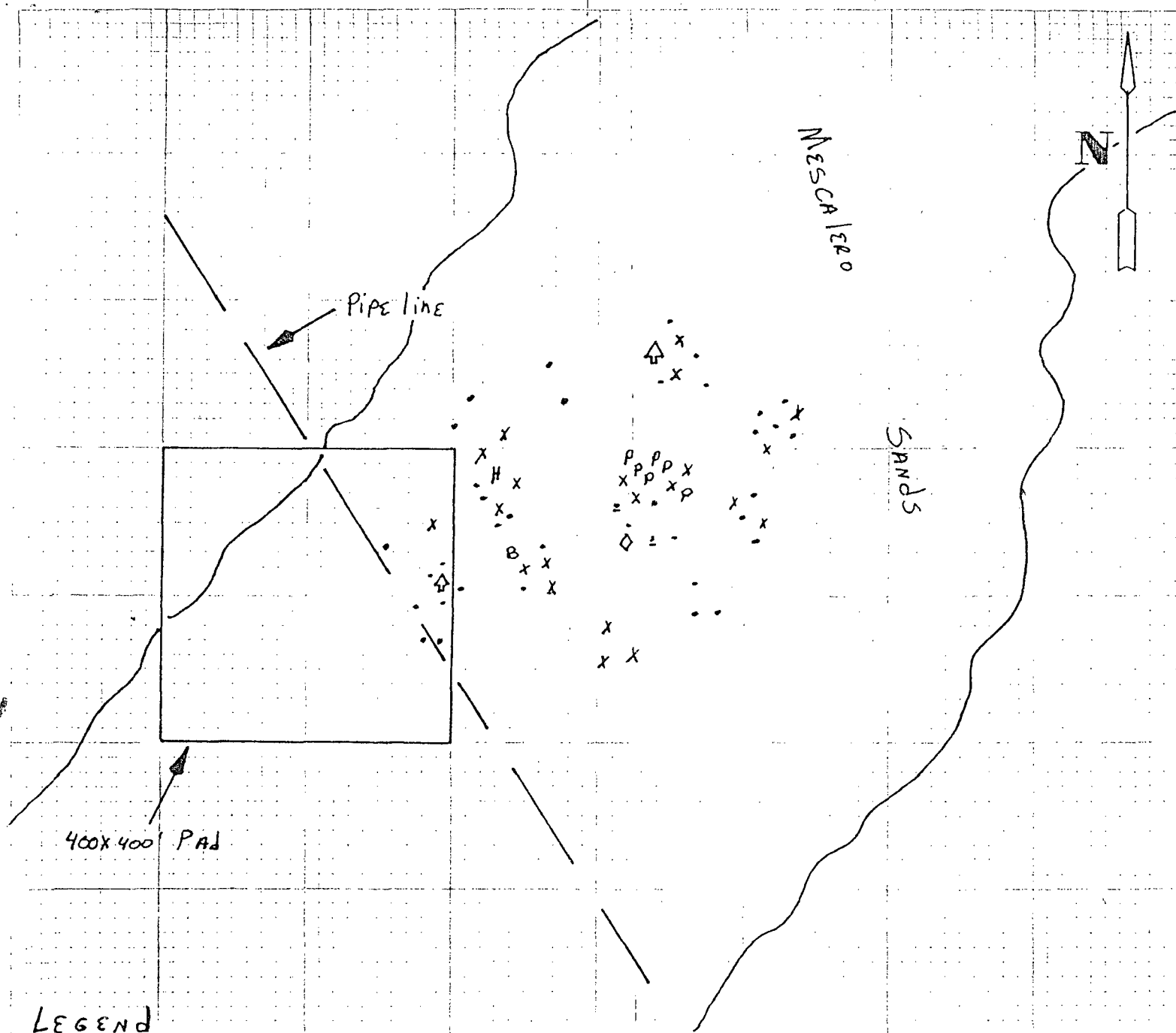
1. State Archaeological Landmark Status: none
2. National Archaeological Landmark Status: none
3. Other?

GRCNM 1 (continued)

4. Recommended actions (research, managment, preservation): more complete mapping, testing and artifact analysis

I. RECORDING INFORMATION

Name of Recorder: John C. Haight
Firm: Grand River Consultants, Inc.
Date of Field Work: 6/15/82



LEGEND

- FLAKES
- POSSIBLE RETOUCHE FLAKES
- ◊ EXHAUSTED CORES
- △ PROJECTILE POINT
- P POTTERY
- H ERODED HEARTH

X BURNED CALICHE COBBLES
B BIFACE

SCALE 0 30 60 90 120 m

CONTOUR INTERVAL = 10 ft.