

12-28-82



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

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

NSL 1637
Rule 104(F)
12-28-82

December 3, 1982 OIL CONSERVATION DIVISION

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

8 1982

RECEIVED

Re: Mike Harvey "TR" Fed #4
Lease #NM-22614
Sec. 3-T5S-R24E
1780' FNL and 2480' FWL
Chaves County, NM

Dear Mr. Ramey,

Yates Petroleum Corporation would appreciate administrative approval for a proposed unorthodox Abo gas well location as provided for under NMOCD Rule 104F.

We were asked to move this site to the present location due to an archaeological site found by Grand River Consultants of Roswell, New Mexico. Enclosed is a copy of their report. Also, enclosed is a copy of a lease map showing all offset lease holders who have been notified of our intentions by certified mail. They are Mesa Petroleum, M. J. Harvey and J. J. Grynberg.

Formations we will be drilling through include:

San Andres Glorieta Fullerton Abo

The rig is scheduled to move to this location around the 11th of December. Should any problems occur, would you please notify me?

Thank you for your help in this matter.

Sincerely,

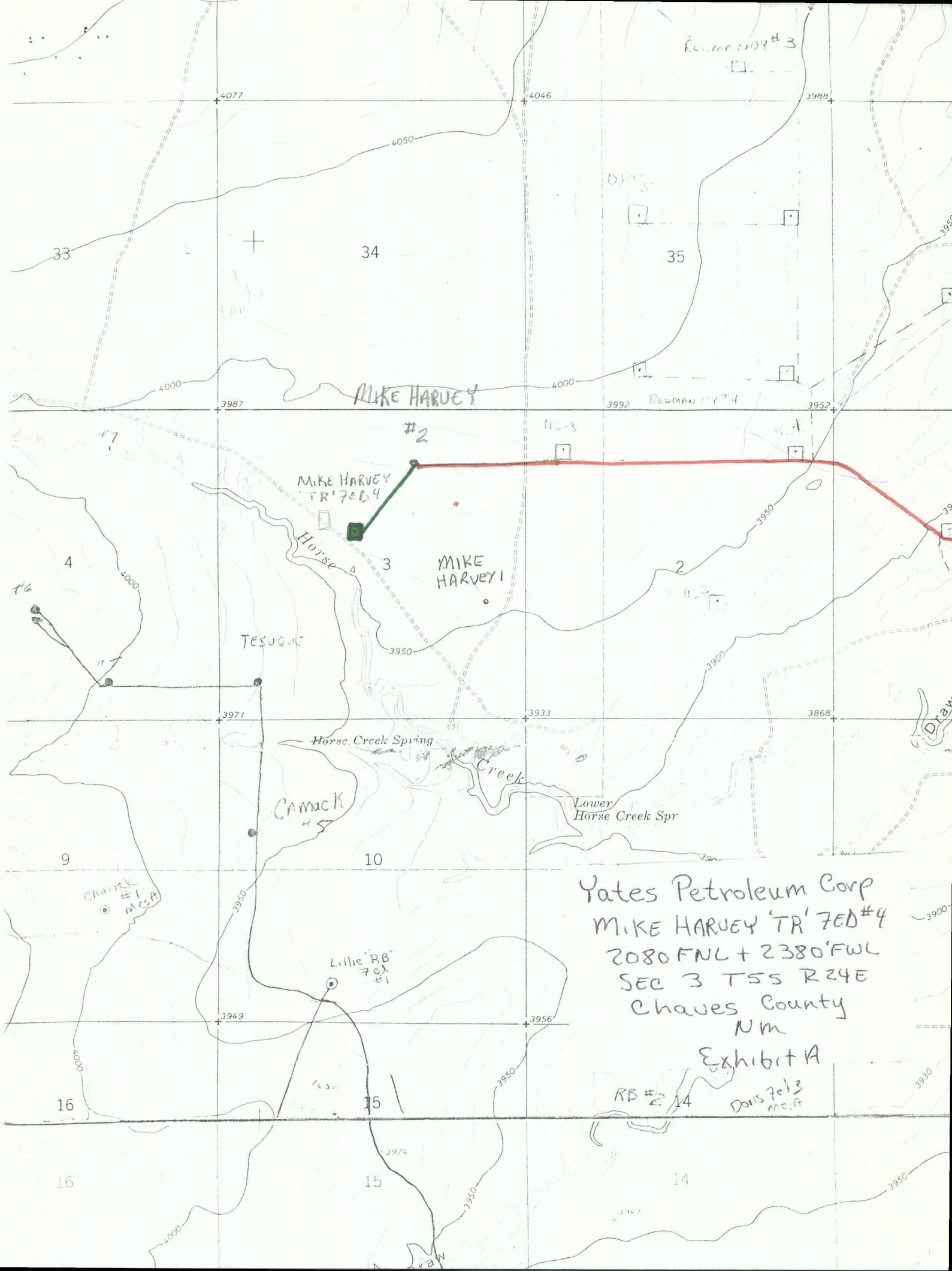
Cy Cowan

Cy Cowan
Regulatory Coordinator
YATES PETROLEUM CORPORATION

*Checked Arch. report w/ Dan
Reiley of St. Historic Preservation
office. His work leads him
to believe this location
should be approved
CC/dw
enclosures
RLL 12-15-82*

xc: Mesa Petroleum, M. J. Harvey, J. J. Grynberg

[illegible]



Yates Petroleum Corp
MIKE HARVEY 'TR' 7004
2080 FNL + 2380' FWL
SEC 3 T5S R24E
Chaves County
NM

Exhibit A

RB #2 14

Doris 7013
meat

**ARCHAEOLOGICAL SURVEY of
YATES PETROLEUM CORPORATION'S
MIKE HARVEY "TR" FEDERAL WELL NO. 4
CHAVES COUNTY, NEW MEXICO**

GRC Report L8284

by
David L. Ford, M.A.
Project Archaeologist
and
James V. Sciscenti, M.A.
Supervising Archaeologist

GRAND RIVER CONSULTANTS, Inc.
210 W. Walnut
Roswell, N.M. 88201
(505)623-5010

November 28, 1982

Prepared for:

Yates Petroleum Corporation
207 South 4th Street
Artesia, New Mexico 88210

Distribution:

BLM - Roswell Resource Area (2)
MMS - Roswell (1)
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 # _____
XOil and Gas Lease
____Coal: ____Explor. Lease
Other _____

1. Abstract: Archaeological survey of Yates Petroleum Corporation's Mike Harvey "TR" Federal Well No. 4 Chaves County, New Mexico. One archaeological site, GRCNM 71, was recorded on the well pad and part of the access road. We do not recommend clearance for the well pad or its access road.

2. Resource Area: Roswell

Location: T5S, R24E, Sec. 3, SE1/4, NW1/4; 1980 FNL, 1980 FWL
Access road: T5S, R24E, Sec. 3, NE1/4, SE1/4, NW1/4; NW1/4, SW1/4, NE1/4; SW1/4, NW1/4, NE1/4.

U.S.G.S. 7.5' series SWALLOW NEST CANYON, N.M. 1967

3. Project Description: Location: 400' by 400' + a 50' buffer
Access road: 1700' by 50' R/W

Topography: location and access road are situated on a gently south sloping landform, neavy grass cover, with soils composed of sandy clay loams and gypsum subsurface. Gypsum and limestone are scattered outcrops.

Vegetation: Grama, threeawn, dropseed, broom snakeweed, yucca, cholla, and mesquite. Visibility is 30%.

4. Examination Procedure: Zig-zag transects to cover the pad and buffer (450' by 450') and the access road (50').

5. Findings: One archaeological site, GRCNM 71, was located on the well pad and part of the access road. The major concentration appears to be in the southwest corner of the pad with site scatter emanating from this area throughout most of the pad and part of the access road. (refer to site form).

6. Recommendations: We DO NOT recommend clearance for the proposed well pad. The site should be avoided or properly mitigated.

Permit # 81-NM-054

I certify that this examination complies with EO 11593.

11/22/82
Date of Examination

David L. Ford
Project Archaeologist

James V. Sciacente
Principal Investigator

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-12B
Effective 1-1-65

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

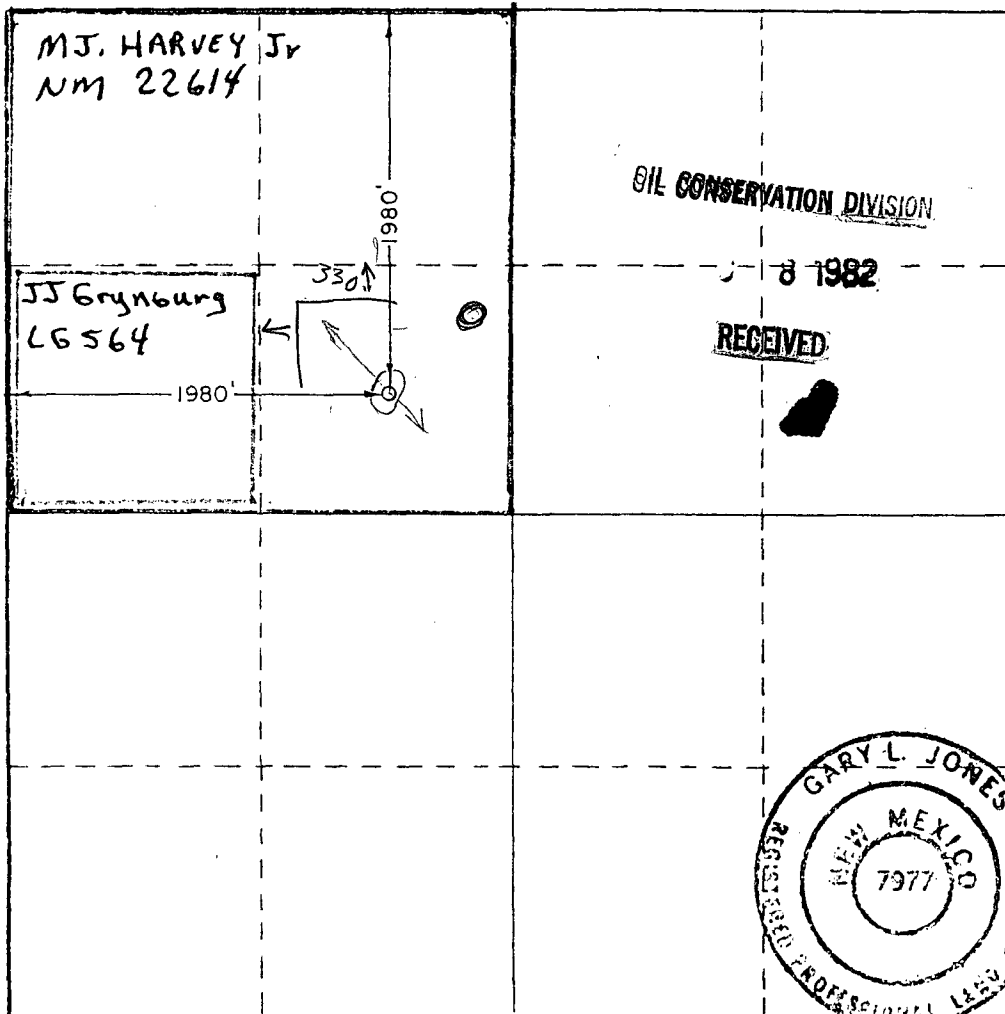
Operator YATES PETROLEUM CORPORATION			Lease Mike Harvey "TR" Federal		Well No. 4
Unit Letter F	Section 3	Township 5 South	Range 24 East	County Chaves	
Actual Footage Location of Well:					
1980 feet from the North		line and 1980 feet from the West		line	
Ground Level Elev. 3964.6'	Producing Formation ABO	Pool PECOS Slope ABO	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 **TO BE COMMUNITIZED**

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.

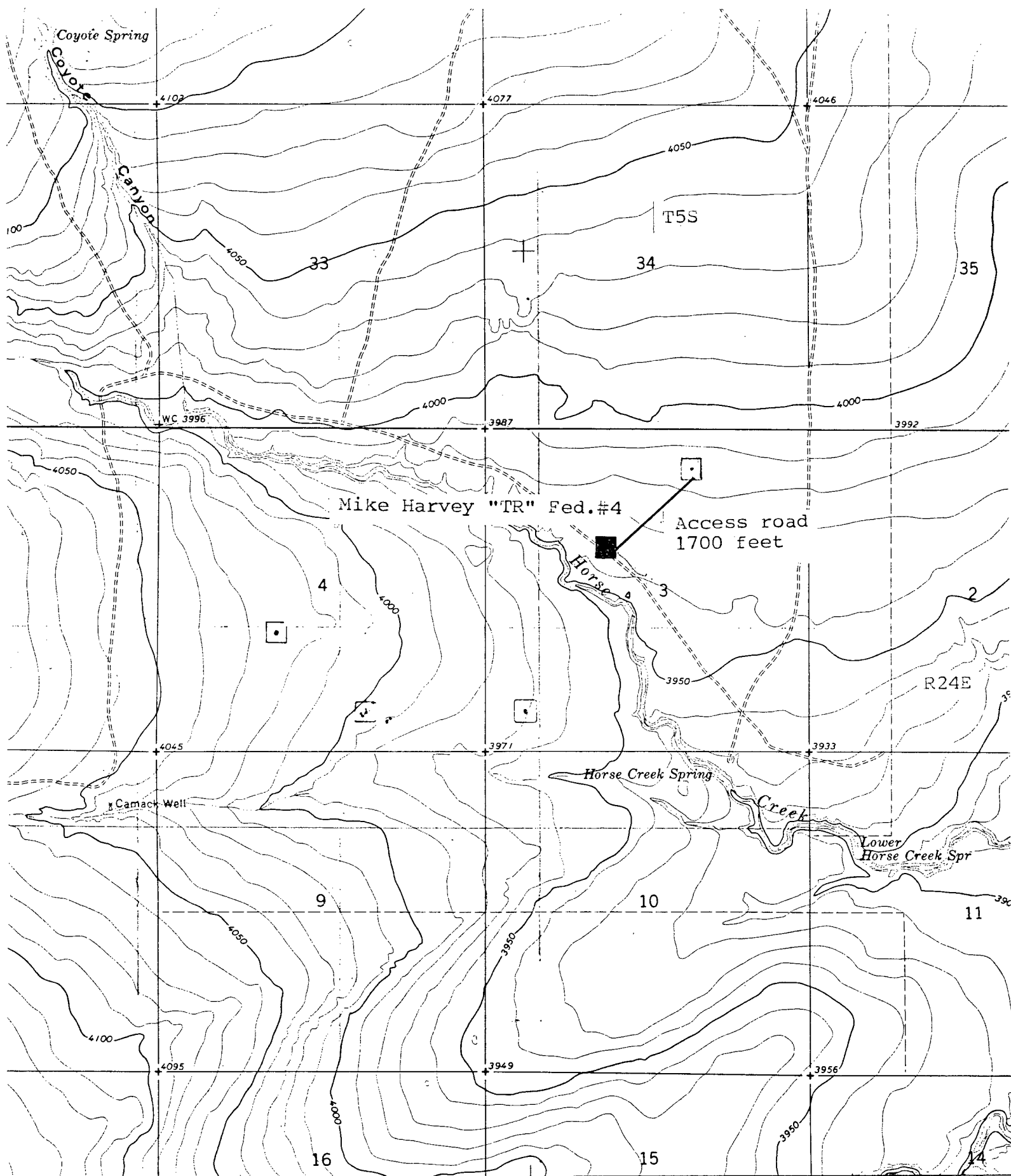
Name
Cy Cowan
Position
Regulatory Coordinator
Company
Yates Petroleum Corp.
Date
11/15/82

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.

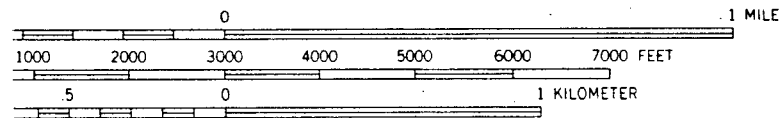
Date Surveyed
October 22, 1982
Registered Professional Engineer and/or Land Surveyor

Gary L. Jones
Certificate No.
7977



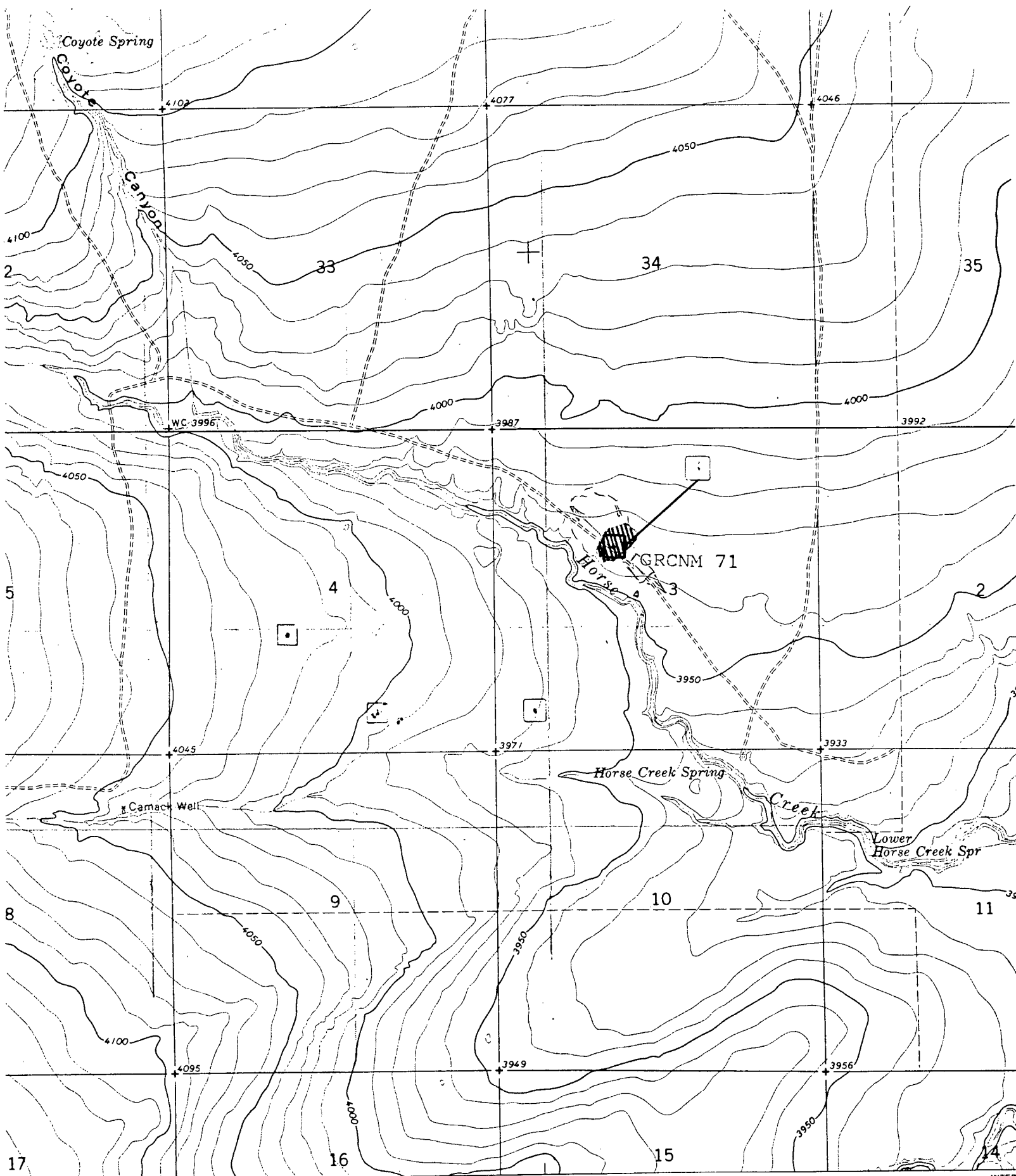


Location Map, Yates Petroleum Corporation Mike Harvey "TR" Federal Well No. 4.
U.S.G.S. 7.5' series SWALLOW NEST CANYON, N.M. 1967.

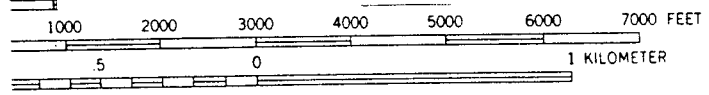


CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

Light-duty



Cultural Resource Map, Yates Petroleum Corporation Mike Harvey "TR" Federal Well No. 4. U.S.G.S. 7.5' series SWALLOW NEST CANYON, N.M. 1967. Hatched area indicates site GRCNM 71.



CONTOUR INTERVAL 10 FEET

Light du

Grand River Consultants, Inc.
ARCHAEOLOGICAL SITE DATA FORM

11/28/82

A. GENERAL INFORMATION

1. Temporary Site No. - GRCNM 71
2. Permanent Site No. -
3. Site name -
4. Project Name - Mike Harvey TR Federal Well No. 4
5. Project funding source(s) - Yates Petroleum Corporation
6. Owner and address - BLM/Roswell
7. Informant and address -
8. Additional Sources or Information -

B. PREVIOUS INVESTIGATIONS

1. Agency/firm -
2. Activity -
3. Date -
4. Purpose - N/A
5. Original site recorder -

C. LOCATIONAL INFORMATION

1. County - Chaves
2. USGS Map Name & No. - 7.5' series SWALLOW NEST CANYON, N.M.
1967
3. Elevation - 3950 feet msl
4. UTM - zone 13
Easting: N=554,380 E=554,410 S=554,290 W=554,250
Northing: N=3,751,480 E=3,751,440 S=3,751,310 W=3,751,350
5. Township/Range - T5S, R24E, Sec. 3, SE1/4, NW1/4
6. Latitude/Longitude -
7. Description or location with landmarks - North of Roswell on
285 for 31 miles, east 8 miles, northeast 8 miles, go
west 2.5 miles to Smernoff NL #3 go west for .1 miles
to Mike Harvey TR Fed. #2, new road starts here,

D. FIELD WORK PERFORMED

1. Survey - Zig-zag transects to cover the total pad area and
buffer (450' by 450') and the access road (50' ROW).
2. Testing - none
3. Excavation - none
4. Comments - The site must be avoided.
5. Notes housed - GRC/Roswell
6. Slides (Y/N) - N
7. Prints (B&W/Col/None) - Y
8. Where housed - GRC/Roswell
9. Collection techniques - none
10. Collected materials - none
11. Where housed - N/A

GRCNM 71 (continued)

12. Comments - site not collected; must be avoided or properly mitigated.
13. Special samples (e.g., radiocarbon; list and describe) - none
14. How collected? N/A

E. ENVIRONMENTAL LOCATION

1. Nearest natural water source - Horse Creek (ephemeral drainage)
2. Distance - 600' west of site GRCNM 71
3. Drainage basin - Pecos River Basin
4. Drainage type - ephemeral drainage
5. Sedimentary Origins (e.g., colluvial, aeolian) - aeolian
6. Sedimentary Type (e.g., clay, sand) - sandy clay and silty sand underlain by gypsum.
7. Vegetation list (list dominant, others if known) - Grama, threeawn, dropseed, broom snakeweed, yucca, and mesquite.
8. Ground Surface Visibility - 30%
9. Environmental setting of site - south and west slope into Horse Creek.
10. Additional Comments - none

F. CULTURAL MANIFESTATIONS

1. Size at Present - 160m by 100m
2. Size at original occupation - unknown
3. Basis for determination - N/A
4. Circumstances or observation - well pad/access road survey
5. Depth or cultural deposit - cultural material was found to be eroding out of the hard packed gypsum surface.
6. Basis for determination - on site inspection
7. Time periods or occupation - unknown
8. Components: Single (S), Multiple (M), Unknown (U) - Unknown
9. Basis for determination - N/A
10. Site type - camp/lithic reduction
11. Cultural Features - none
12. Artifactual Materials (kinds and distributions) - ca. 50+ (est.) examples of quartzite cores, hammerstones, primary flakes, and secondary flakes. Also chert, petrified wood, and chalcedony bifaces, unifaces, primary and secondary, and other interior flakes. Also utilized chert flakes.
13. Discussion of site - The site appears to have an area of concentration in the southwest part of the well pad. The cultural material is eroding out of an exposed gypsum surface. The remainder of the site is lightly scattered across the pad and access.
14. Additional Comments - site may extend further north and west but the grass cover is so heavy that visibility in some areas is none existent.

G. SITE CONDITION AND RECOMMENDATIONS

1. Approximate percentage of site remaining intact - unknown

GRCNM 71 (continued)

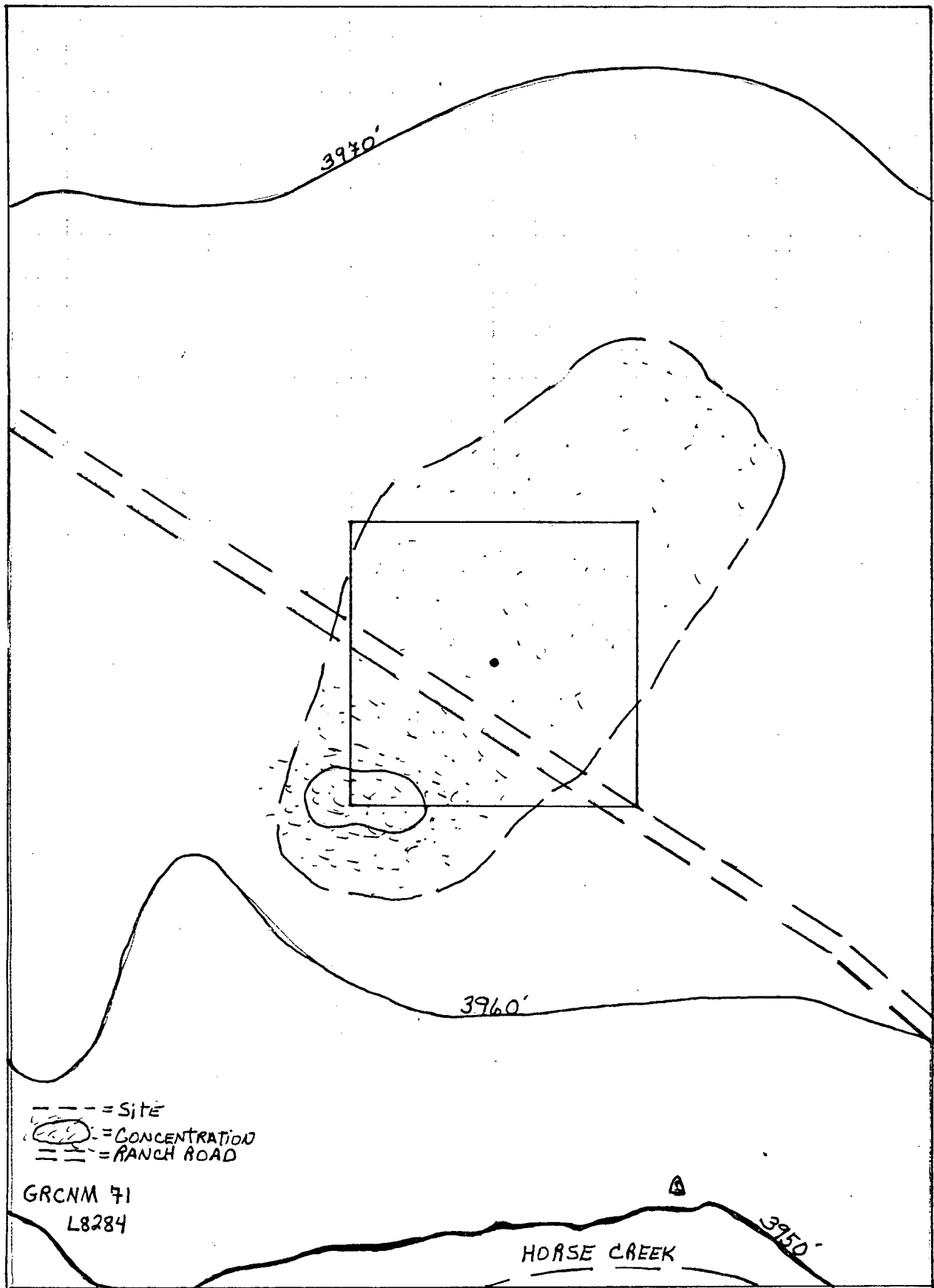
2. Natural Impacts (e.g., erosion) - wind and water erosion
3. Artificial Impacts - cattle/energy related activity.
4. Known or perceived future impacts - energy related activity
5. Potential for State Archaeological Landmark (Y/N) - N
6. Potential for National Register of Historic Places (Y/N) - N
7. Significance - There is not enough data available at this time to accurately evaluate this single site. The fact that the concentration is eroding out of an eroded gypsum surface could indicate subsurface cultural occurrences in this type of soil formation.
8. Submitted: no
9. Uncertain/unknown? unknown

H. CURRENT REGISTRATION

1. State Archaeological Landmark Status - none
2. National Archaeological Landmark Status - none
3. Other?
4. Recommended actions (research, management, preservation) - This site needs more complete mapping, testing, collection and analysis.

I. RECORDING INFORMATION

Name or Recorder: David L. Ford
Firm: Grand River Consultants, Inc.
Date or Field Work: 11/22/82



NSL
11637



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

December 17, 1982

BRUCE KING
GOVERNOR

LARRY KEHOE
SECRETARY

P.O. DRAWER DD
ARTESIA, NEW MEXICO 88210
(505) 748-1283

Yates Petroleum Corporation
207 South 4th Street
Artesia, New Mexico 88210

Re: Mike Haryey "TR" Fed.
#4-F-3-5-24
Und. Pecos Slope Abo.

Gentlemen:

We are in receipt of your approved Permit to Drill on the above captioned well showing the drilling site to be an unorthodox location.

We will need an NSL approval before completion in order to approve the production from this well.

Yours very truly,

A handwritten signature in cursive script, reading "Leslie A. Clements".
Leslie A. Clements

LAC/pw

CC: Joe D. Ramey
Santa Fe