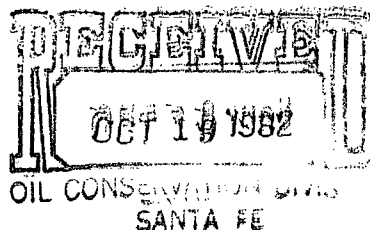




207 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210

TELEPHONE (505) 748-1331



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

October 18, 1982

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

Re: Federal "HY" #5
Lease #NM-2351
Section 34-T7S-R25E
2310' FNL and 1780' FWL
Chaves County, New Mexico

Dear Mr. Ramey,

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

The enclosed map shows the topography in the northwest quarter of Section 34. Our well pad falls on the edge of an embankment, as can be seen on the map. Also, the east side of the 400' x 400' pad for the wellsite is covered with an archaeological site #GRCNM-55. As a result of these problems, we are requesting administrative approval of this location.

Formations we will be drilling through include:

San Andres Glorieta Fullerton Abo

The enclosed land map shows that Yates Petroleum Corporation has all offsetting lease acreage.

We will appreciate your approval of the administrative order.

Very truly yours,

Ken Beardemph
Ken Beardemph

Regulatory Coordinator
YATES PETROLEUM CORPORATION

dw/KB

enclosures

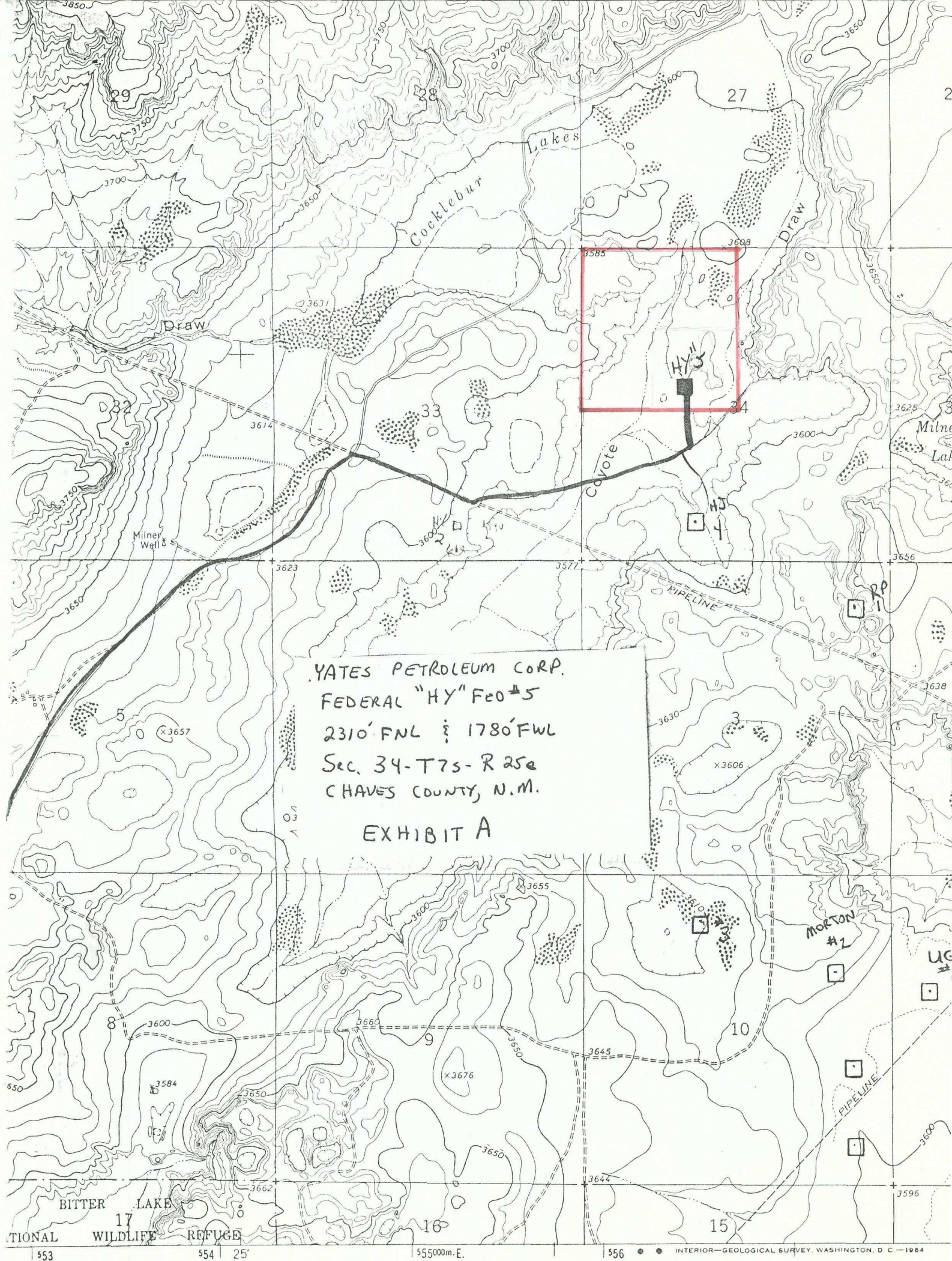
*checked Arch w/
Daniel & Reilly
Staff Archaeologist
State Historic Pres Office
He indicated this
to be a large significant
site RLL*

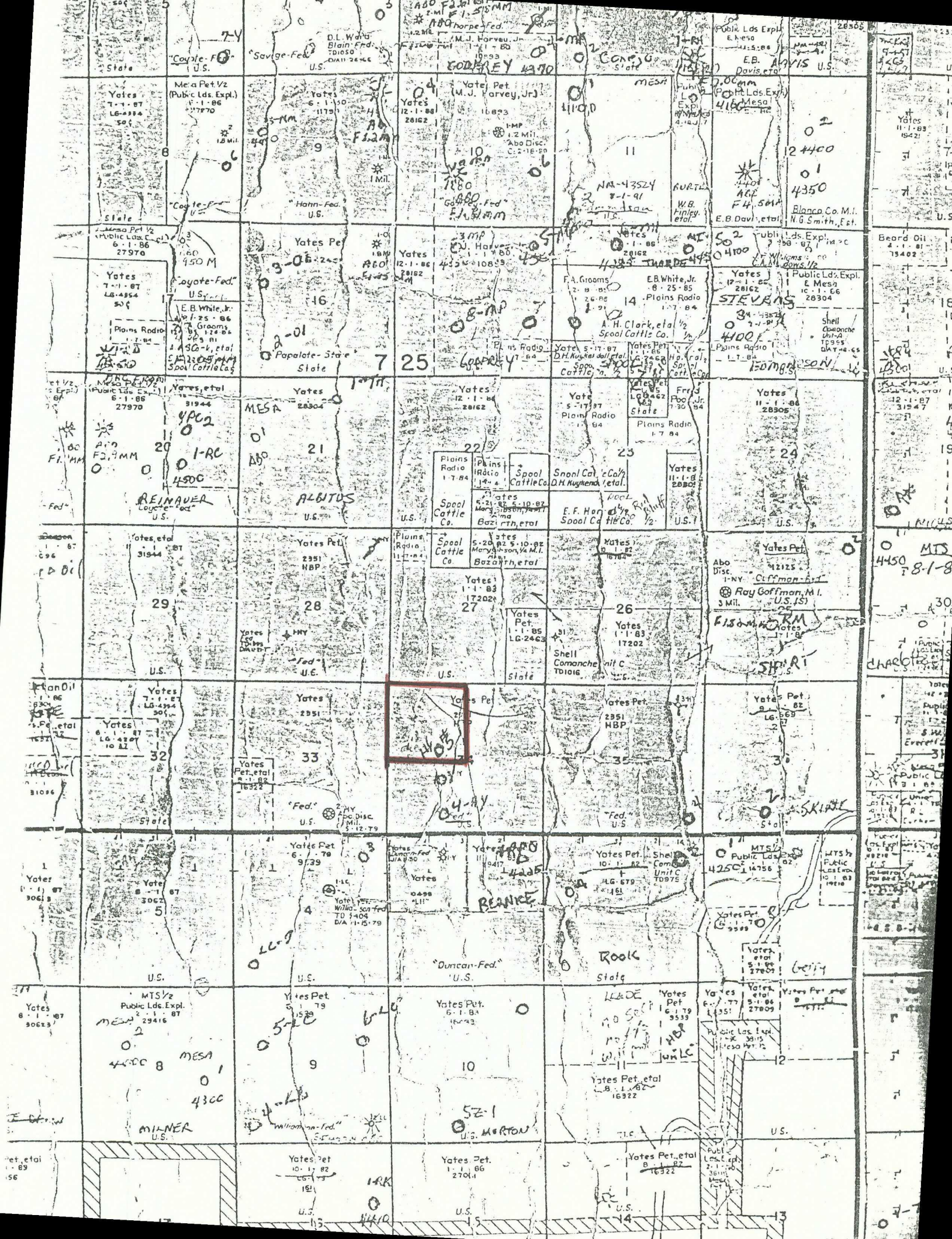
*NS 1610
Rule 104F
No 88 se 43
immediate*

Don Reilly

YATES PETROLEUM CORP.
FEDERAL "HY" F20 #5
2310' FNL & 1780' FWL
Sec. 34-T7s-R 25e
CHAVES COUNTY, N.M.

EXHIBIT A





**ARCHAEOLOGICAL SURVEY of
YATES PETROLEUM CORPORATION's
FEDERAL "HY" WELL NO. 5 RELOCATION
CHAVES COUNTY, NEW MEXICO**

GRC Report L8258

by
James V. Sciscenti, M.A.
Supervising Archaeologist
and
John C. Haight
Project Archaeologist

GRAND RIVER CONSULTANTS, Inc.

210 W. Walnut
Roswell, N.M. 88201
(505) 623-5010

October 8, 1982

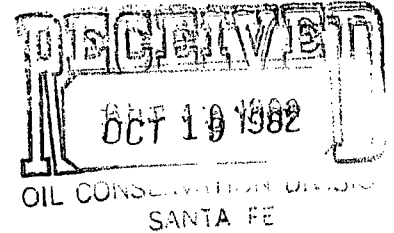
Prepared for:

Yates Petroleum Corporation
207 S. 4th Street
Artesia, N.M. 88210

Distribution:

BLM - Roswell District Office (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 Federal "HY" Well No. 5 Relocation, Chaves County, New Mexico. One previously recorded archaeological site, GRCNM 55, was recorded on the east side of the well pad. We recommend avoidance of the site.

2. Resource Area: Roswell

Location: T7S, R25E, Sec. 34, SE1/4, NW1/4; 2310 FNL, 1980 FWL
Access road: T7S, R25E, Sec. 34, SE1/4, NW1/4; NE1/4, SW1/4

U.S.G.S. 7.5' series COYOTE DRAW, N.M. 1963

3. Project Description: Location: 400' by 400' + a 50' buffer
Access road: 900' by 50' R/W

Topography: location and access road are situated on a small gyp hill side and an internal floodplain with soils consisting of loamy clays and sandy clay loams subject to accumulation of salt and calcium deposits. Occasional gypsum bedrock outcrops occur across this landform. The access road crosses the confluence of Coyote Draw to the south.

Vegetation: Mesquite, four wing saltbush, yucca, tamarix, broom snakeweed, *Coldenia canescens*, and grama grass. Ground visibility is 80%.

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

5. Findings: One previously recorded archaeological site, GRCNM 55, was recorded on the well pad (see GRC report L8249a dated Sept. 30, 1982 for the site description). A copy of the site form is attached to this report.

6. Recommendations: Recommend avoidance of GRCNM 55. The only feasible location for this well pad would be to the west of the originally staked location (see GRC report L8249a) approximately 330 feet. Even at this locale, the well pad would have to be fenced on its north and east sides to preclude damage to GRCNM 55.

Permit # 81-NM-054

I certify that this examination complies with EO 11593.

10/15/82
Date of Examination

John C. Haight
Project Archaeologist

Jim Sciscanti by JCH
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.

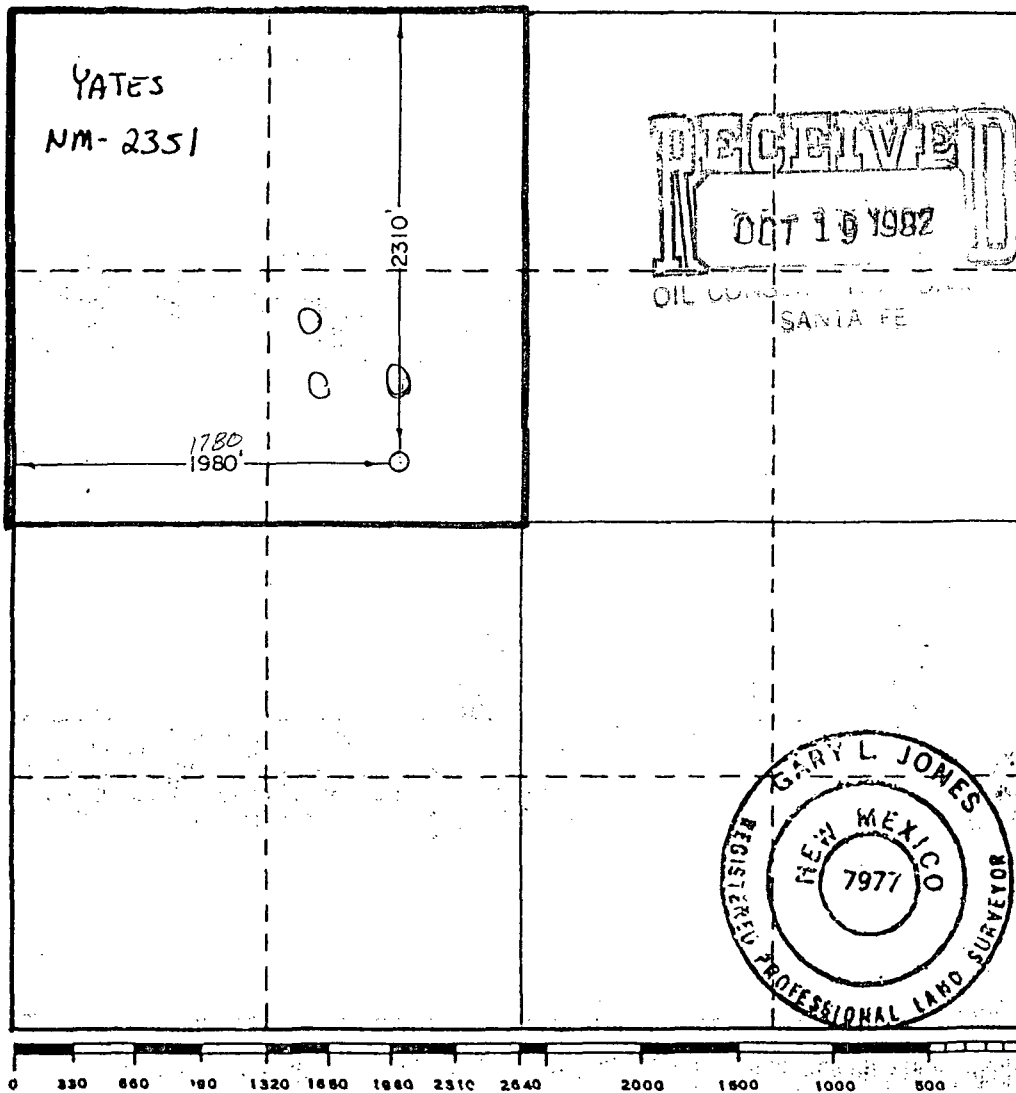
Operator YATES PETROLEUM CORPORATION			Lease Federal "HY"		Well No. 5
Unit Letter F	Section 34	Township 7 South	Range 25 East	County Chaves	
Actual Footage Location of Well:					
2310		feet from the North		line and 1980	
feet from the West		line			
Ground Level Elev. 3582.0'	Producing Formation Abo		Pool Pecos Slope Abo	Dedicated Acreage: 160 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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

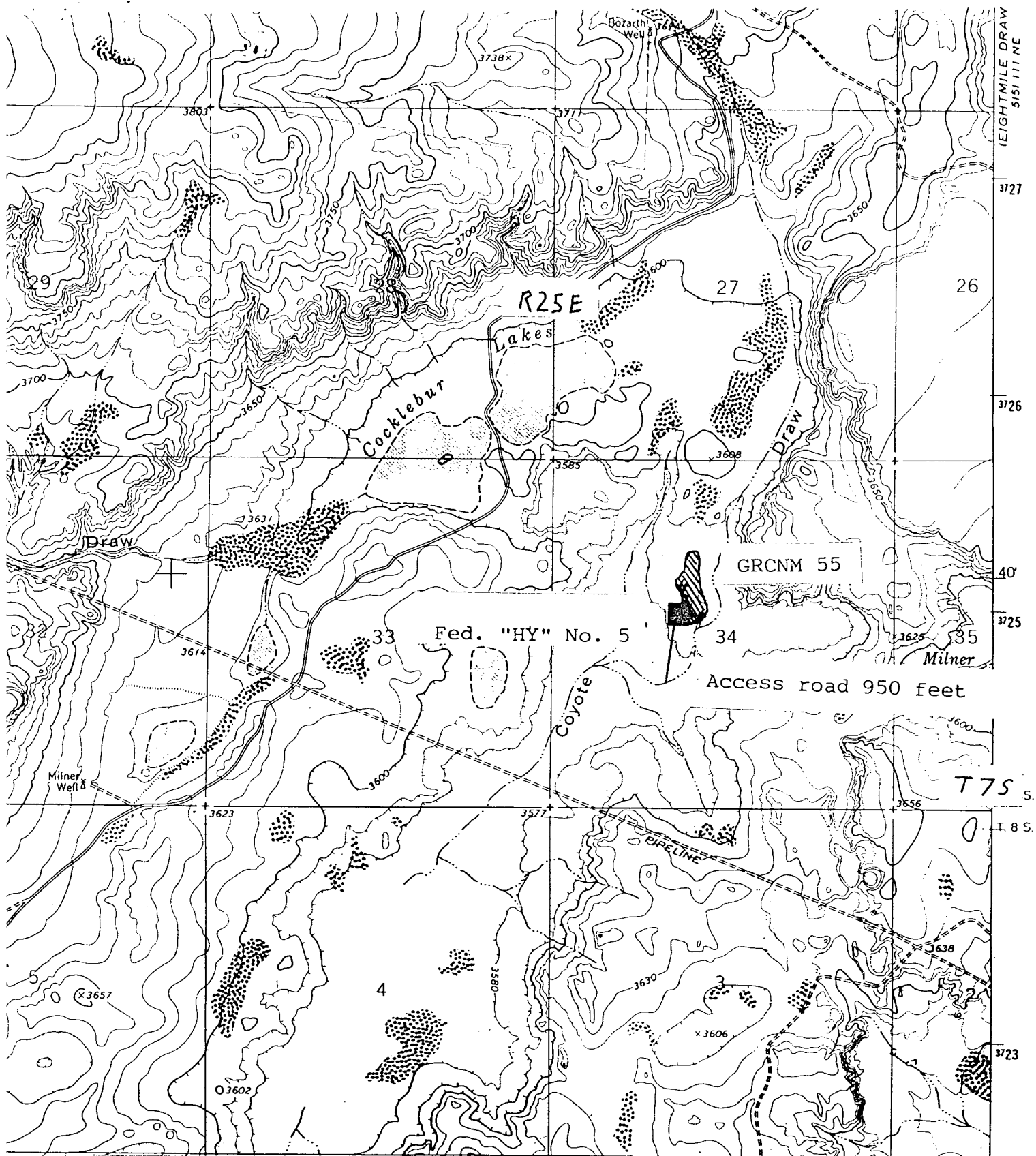
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Ken Bearden
Name
Ken Bearden
Position
Regulatory Coordinator
Company
YATES PETROLEUM CORP.
Date
10-7-82

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 4, 1982
Registered Professional Engineer and/or Land Surveyor

Dan A. Sh...
Certificate No.
7977



Location and Cultural Resource Map, Yates Petroleum Corporation's Federal "HY" Well No. 5. U.S.G.S. 7.5' series COYOTE DRAW, N.M. 1963. Dark areas show areas surveyed. Hatched area indicates location of GRCNM 55.

Grand River Consultants, Inc.
ARCHAEOLOGICAL SITE DATA FORM

10/8/82

A. GENERAL INFORMATION

1. Temporary Site No. - GRCNM 55
2. Permanent Site No. -
3. Site name -
4. Project Name - Federal HY Well No. 5 Relocation L8258
5. Project funding source(s) - Yates Petroleum Corp.
6. Owner and address - BLM/Roswell
7. Informant and address -
8. Additional Sources of Information -

B. PREVIOUS INVESTIGATIONS

1. Agency/firm - GRC-Roswell
2. Activity - well pad/access road survey
3. Date - Sept. 30. 1982
4. Purpose - Federal HY Well No. 5
5. Original site recorder - John C. Haight and David L. Ford

C. LOCATIONAL INFORMATION

1. County - Chaves
2. USGS Map Name & No. - 7.5' series COYOTE DRAW, N.M. 1963
3. Elevation - 3580 - 3590 feet msl
4. UTM - zone 13
Easting: N=556,520; S=556,510; E=556,600; W=556,440
Northing: N=3,725,280; S=3,724,940; E=3,725,000; W=3,725,100
5. Township/Range - T7S, R25E, Sec. 34, East 1/2, SE1/4, NW1/4
6. Latitude/Longitude -
7. Description of location with landmarks - ca. 10 miles north of Roswell on Hwy. 285 to Red Bluff Ranch road (county road). ca. 10 miles northeast on county road to El Paso pipeline road. ca. 1 mile east on pipeline road to compressor station road. ca. .7 miles northeast. ca. 1200 feet north

D. FIELD WORK PERFORMED

1. Survey - Zig-zag transects to cover total pad and buffer(450' by 450') and the access road (50' R/W).
2. Testing - none
3. Excavation - none
4. Comments - suggest moving the location 330 feet west of the originally staked location, ie. to 1650 FWL and 1980 FNL, to avoid the site.
5. Notes housed - GRC Roswell
6. Slides (Y/N) - N
7. Prints (B&W/Col/None) - 8249b - B/W - Photo's #10, 11, 12, 13.

GRCNH 55 (continued)

8. Where housed - GRC Roswell
9. Collection techniques - only one diagnostic point collected, morphologically similar to published descriptions of Pedernales but on the small end.
10. Collected materials - 1 tan chert, bifacially flaked projectile point; basally thinned on each face by removal of several flakes and moderately concave base; stem slightly expanding; 2.7 by 2.0 by 0.4cm (length,width,thickness). Double diagonal flaking on stem-collateral body
11. Where housed - GRC/Roswell
12. Comments - Dated to ca. 4000 B.C. to A.D. 1000 as a type.
13. Special samples (e.g., radiocarbon; list and describe) - none
14. How collected? N/A

E. ENVIRONMENTAL LOCATION

1. Nearest natural water source - Coyote Draw
2. Distance - 1.5 miles east
3. Drainage basin - Pecos River Basin
4. Drainage type - river
5. Sedimentary Origins (e.g., colluvial, aeolian) - aeolian
6. Sedimentary Type (e.g., clay, sand) - gypsum bedrock overlain by sandy loams and loamy sands
7. Vegetation list (list dominant, others if known) - Mesquite, four wing saltbush, *Coldenia canescens*, broom snakeweed, tamarisk, alkali sacaton, and grama grass.
8. Ground Surface Visibility - 80%
9. Environmental setting of site - on an isolated gyp knoll flanked on its east side by Coyote Draw and on its west side by an unnamed drainage. Some amounts of aeolian sand occur within the site.
10. Additional Comments - site has suffered some sheetwash and wind erosion.

F. CULTURAL MANIFESTATIONS

1. Size at Present - 152m by 365m (55,480 sq. m.)
2. Size at original occupation - insufficient data to evaluate
3. Basis for determination - N/A
4. Circumstances of observation - well pad/access road survey
5. Depth of cultural deposit - 0 to 50 centimeters
6. Basis for determination - on site inspection
7. Time periods of occupation - Late Archaic/post Archaic based on occurrence of one projectile point. Sample size too limited for close or even accurate assessment; need for radiometric assay.
8. Components: Single (S), Multiple (M), Unknown (U) - U
9. Basis for determination - N/A
10. Site type - temporary to seasonal base camp based on presence of probable hearths, complete process of lithic reduction.
11. Cultural Features - ca. 5 to 6 hearths, from 39 to 60 cm diameter; abundant charcoal stains, burned limestone, quartzite.

GRCNM 55 (continued)

12. Artifactual Materials (kinds and distributions) - ca. 500 to 1000 pieces; qtz., chert, chalcedony, obsidian source materials used. Primary, secondary, interior flakes, bifaces, choppers, cores, and hammerstones.
13. Discussion of site - Plain prepared platform and cortex platforms noted on cores; apparent dominance of hardhammer detachment technique based on prominent bulbs of percussion; possible core/biface industry; presence of obsidian (rare); highest frequency of artifacts to south
14. Additional Comments - site may extend to the north, west, and southeast. Subsurface remains are possible.

G. SITE CONDITION AND RECOMMENDATIONS

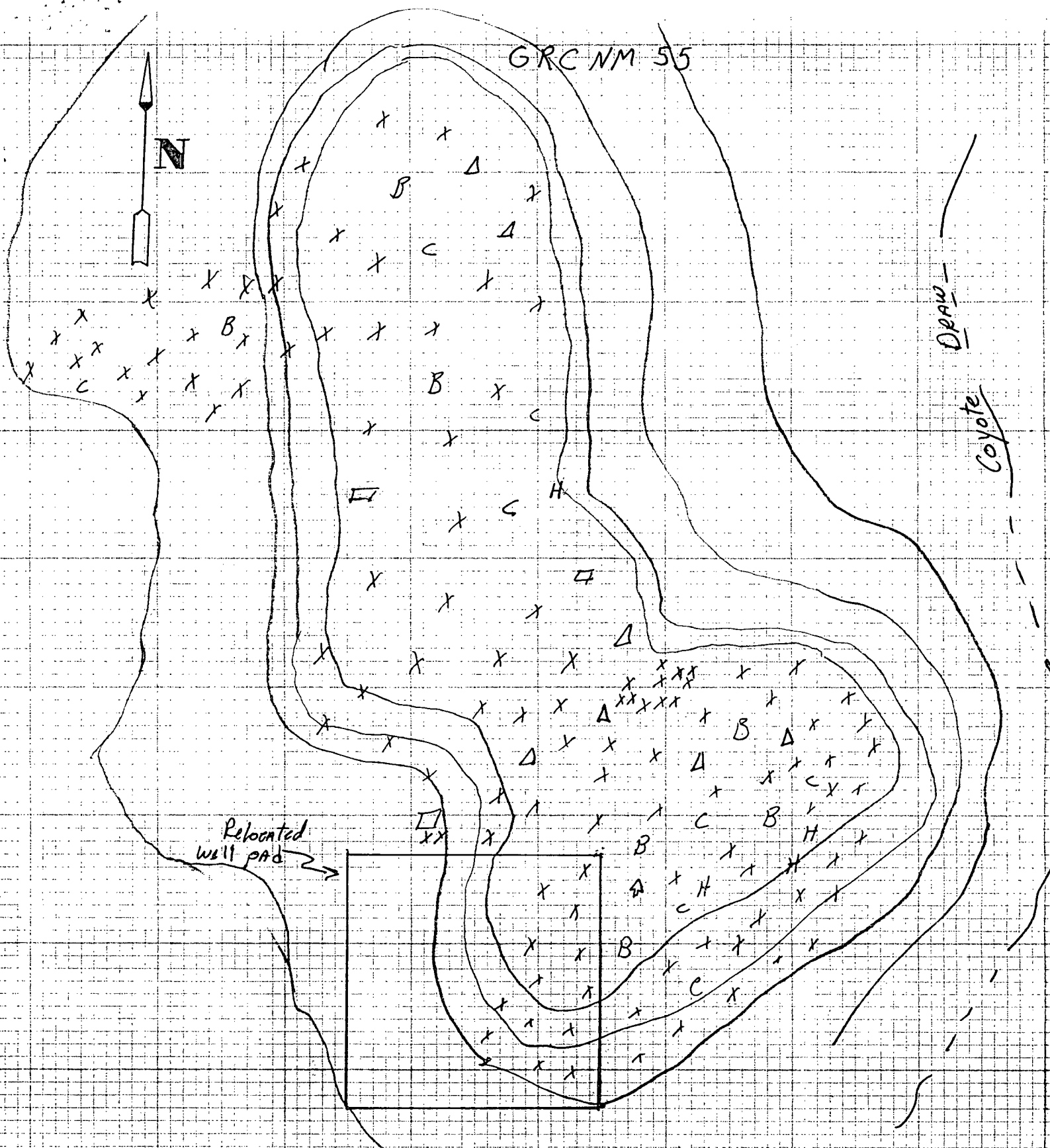
1. Approximate percentage of site remaining intact - insufficient data to evaluate.
2. Natural Impacts (e.g., erosion) - wind and water erosion
3. Artificial Impacts - grazing of animals
4. Known or perceived future impacts - energy development
5. Potential for State Archaeological Landmark (Y/N) - no
6. Potential for National Register of Historic Places (Y/N) - data required
7. Significance - Insufficient data to evaluate research potential of the site; apparent incidence of a biface industry; indication of utilized cortex over prepared platforms; hearths may derive radiometric, pollen, flotation assays increases research potential; artifact
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) - suggest avoidance of the site; if avoidance is impossible, then mitigation is recommended including subsurface excavation, cross-sectioning of hearths, and collection of radiocarbon, pollen flotation samples and performance assays. point mapping artifact

I. RECORDING INFORMATION

Name of Recorder: John C. Haight and David L. Ford
Firm: Grand River Consultants, Inc.
Date of Field Work: 9/28/82



Legend

Δ Projectile Point

x Flakes

□ Coars

B Bifaces

Δ Burned & Fire-Cracked Rock

H Hearths

C Choppers