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



ARCHAEOLOGICAL CLEARANCE REPORT
FOR
GENERAL AMERICAN OIL COMPANY

MADDEN "A" FED. NO. 5
MADDEN "E" FED. NO. 2

FB0-243A
BY
MILES LINNABERY

EDITED BY
MILES LINNABERY AND PADDY JOHNSON

SUBMITTED BY
SCOTT SCHERMER
ACTING DIRECTOR

16 JUNE 1980

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

JUN 06 1980

Form C-17,
Supersedes C-128
Effective 1-1-79

All distances must be from the outer boundaries of the Section

NEW MEXICO

General American Oil Co. of Texas

Modren "A"

5

G

28

17 South

30 East

Eddy

1650

feet from the North

line and

2310

feet from the

East

line

Section 16

3627.0

Inducing Formation

Premier

Pool

Grayburg-Jackson

Indicated Acreage

40

Acre

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 Commission.

CERTIFICATION

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

Name

Lendell N. Hawkins

Position

Assistant Field Superintendent

Company

General American Oil Co. of Texas

Date

June 12, 1980

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 4, 1980

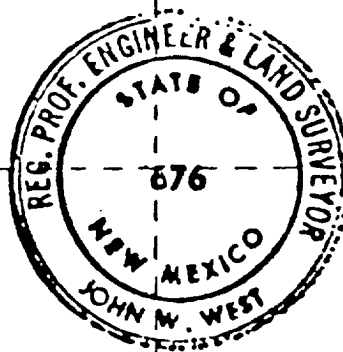
Registered Professional Engineer and/or Land Surveyor

John M. West

Certificate No. JOHN M. WEST

876

PATRICK A. POMEROY



INTRODUCTION

AN ARCHAEOLOGICAL RECONNAISSANCE WAS RECENTLY COMPLETED BY A.C.A. OF EASTERN NEW MEXICO UNIVERSITY FOR GENERAL AMERICAN OIL COMPANY IN EDDY COUNTY, NEW MEXICO. THE RECONNOITERED AREA WILL BE IMPACTED BY THE CONSTRUCTION OF TWO WELL PADS EACH WITH AN ACCESS ROAD. THE PROJECT WAS ADMINISTERED BY MR. LENDELL HAWKINS, GENERAL AMERICAN OIL COMPANY AND SCOTT SCHERMER, ACTING DIRECTOR, FOR ACA. THIS REPORT WAS PREPARED BY THE PORTALES OFFICE OF ACA.

THE FIELD WORK WAS CONDUCTED ON 13 JUNE 1980 BY MILES LINNABERY OF ACA AND TOMMY TAYLOR OF GENERAL AMERICAN OIL COMPANY. GOOD FIELD AND WEATHER CONDITIONS PREVAILED THROUGHOUT THE COURSE OF THIS RECONNAISSANCE. THIS SURVEY WAS CONDUCTED UNDER FEDERAL ANTIQUITY PERMIT NUMBER 79-NM-049. 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 WELL PADS WAS COMPLETED BY WALKING A SERIES OF PARALLEL TRANSECTS. EACH TRANSECT WAS COVERED IN A TIGHTLY SPACED ZIG-ZAG. THE ACCESS ROADS WERE EXAMINED AS INDIVIDUAL TRANSECTS, WITH TIGHTLY SPACED ZIG-ZAG PATTERNS COVERING THE LENGTH AND BREADTH. THE DISTANCE BETWEEN TRANSECTS WAS 8 METERS. THIS METHOD MAXIMIZES THE OPPORTUNITY OF OBSERVING ANY CULTURAL RESOURCES WITHIN OR NEAR THE PROPOSED AREA OF IMPACT.

MADDEN "A" FED. NO. 5

THE PROPOSED WELL PAD AND ACCESS ROAD ARE LOCATED ONE MILE SOUTH SOUTHEAST OF LOCO HILLS, NEW MEXICO, NEAR THE LOCO HILLS FORMATION. THE ACCESS ROAD IS LOCATED WITHIN THE WORKING AREA OF THE PAD. THE PAD MEASURES 400 X 400 FEET AND IS SITUATED AS FOLLOWS:

SW1/4 NE1/4, SEC.28, T17S, R30E, NMPM, EDDY CNTY., N.M. (BLM)

MAP REFERENCE: USGS MALJAMAR QUADRANGLE, 15 MINUTE SERIES, 1963 (FIGURES 1 AND 2)

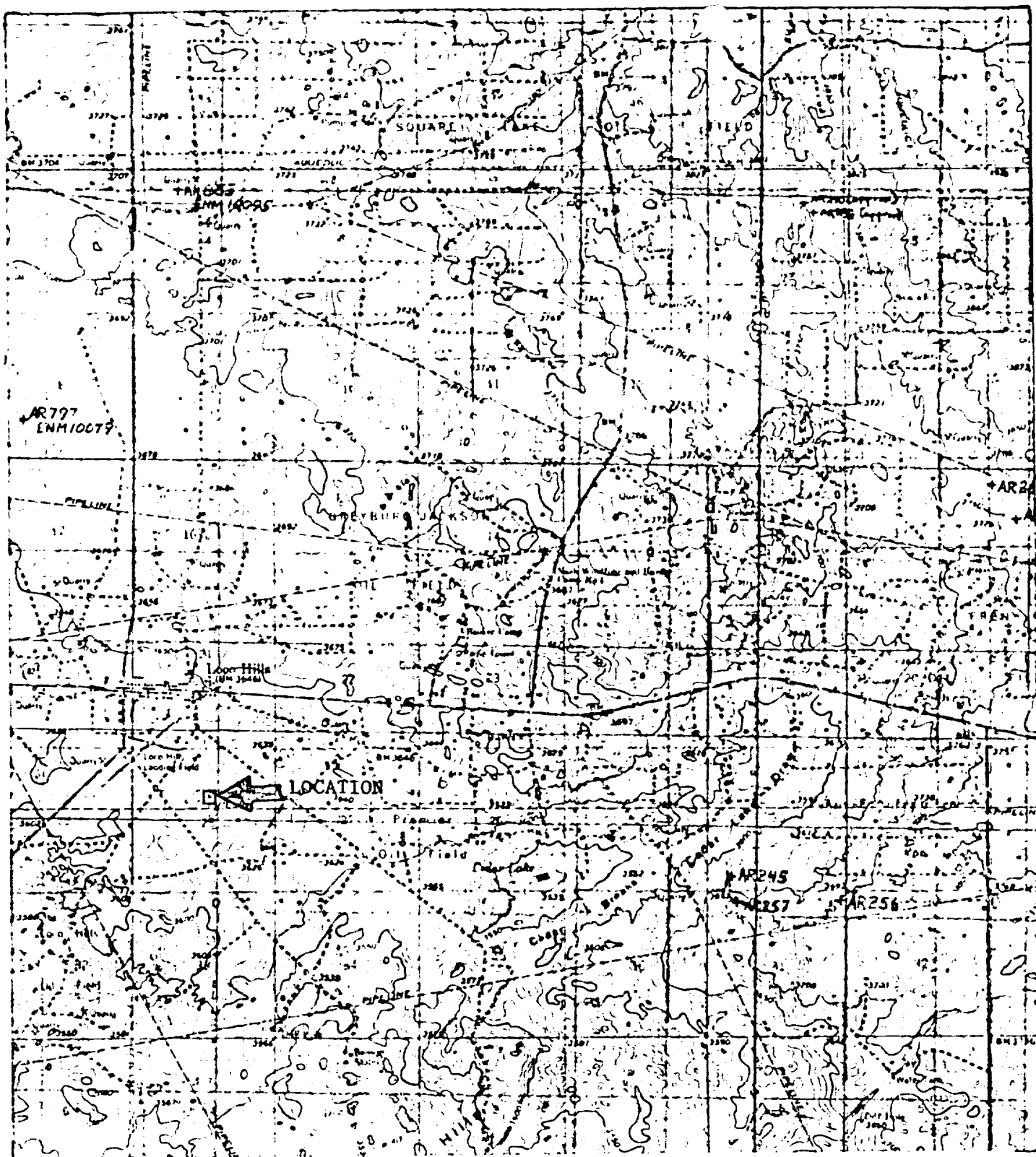
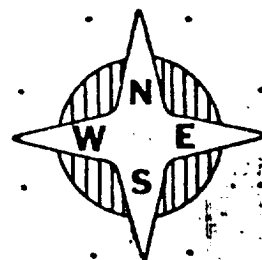
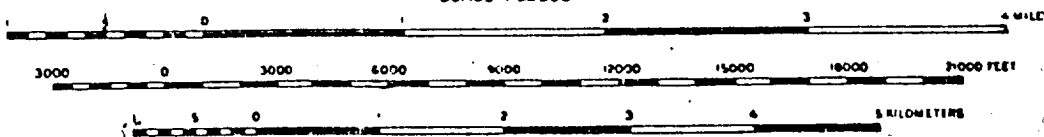


Figure 2: Location of Maddren "A" No. 5
Section 28, T17S, R30E, Eddy County

Map Reference: USGS Maljamar Quadrangle, 1963

15 MINUTE
SERIES

SCALE 1:62500



TERRAIN

THE PROPOSED WELL PAD IS LOCATED NEAR THE LOCO HILLS FORMATION, 1/2 MILE SOUTHEAST OF THE LOCO HILLS LANDING FIELD. IT IS SITUATED IN A SERIES OF LOW COPPICE DUNES ON A GENTLY ROLLING PLAIN. THE ELEVATION IS 3631 FEET. THE SOILS ENCOUNTERED IN THE AREA ARE PREDOMINANTLY RED SANDS. LITHIC INCLUSIONS WITHIN THE SOIL CONSIST OF UP TO 5 PERCENT OF THE SOIL VOLUME OF FRAGMENTED CALICHE AND SMALL GRAVELS. TAXONOMICALLY THIS SOIL CAN BE CLASSIFIED AS A MEMBER OF THE HAPLARGIDS-TORRIPSAMMENTS ASSOCIATION.

FLORISTICS

ACA ENCOUNTERED A SPARSE FLORAL ASSEMBLAGE IN THIS VICINITY. THE DENSITY OF THE VEGETATION IN THE AREA IS APPROXIMATELY EIGHT PERCENT, CONSISTING PRIMARILY OF SHRUBS. THE DOMINANT SPECIES IS MESQUITE. AMONG OTHER SPECIES PRESENT ARE BROOM SNAKEWEED, OAK BRUSH, CANE BLUESTEM, LITTLE BLUESTEM, PLAINS LOVEGRASS, POVERTY THREEAWN, TUMBLEWEED, NIGHTSHADE AND WILD BUCKWHEAT.

CULTURAL RESOURCES

ACA DID NOT ENCOUNTER ANY ARCHAEOLOGICAL SITES OR ISOLATED MANIFESTATIONS, EITHER WITHIN OR NEAR THE PROPOSED FACILITIES. A REVIEW OF THE NATIONAL REGISTER DID NOT FIND ANY PROPERTIES LISTED FOR THIS LOCATION.

RECOMMENDATIONS

ACA RECOMMENDS CLEARANCE FOR THE WELL PAD AND SUGGESTS THAT CONSTRUCTION BE ALLOWED TO PROCEED AS CURRENTLY PLANNED.

MADDEN "E" FED. NO. 2

THE PROPOSED WELL PAD AND ACCESS ROAD ARE LOCATED 1.5 MILES SOUTH OF LOCO HILLS, N.M., NEAR THE LOCO HILLS FORMATION. THE PAD MEASURES 400 X 400 FEET AND THE ACCESS ROAD MEASURES 50 X 440 FEET. THEY ARE SITUATED AS FOLLOWS:

SE1/4 SW1/4, SEC.28, T17S, R30E, NMPM, EDDY CNTY., N.M. (BLM)

MAP REFERENCE: USGS MALJAMAR QUADRANGLE, 15 MINUTE SERIES, 1963
(FIGURES 3 AND 4)

TERRAIN

THE PROPOSED WELL PAD AND ACCESS ROAD ARE LOCATED NEAR THE LOCO HILLS FORMATION AND IS 1 MILE SOUTH OF THE LOCO HILLS LANDING FIELD. THEY ARE SITUATED IN LOW COPPICE DUNES ON A GENTLY ROLLING PLAIN. THE ELEVATION IS 3625 FEET. THE SOILS ENCOUNTERED IN THE AREA ARE PREDOMINANTLY TAN SANDS OVERLAYING ALTITHERMAL RED BEDS. LITHIC INCLUSIONS CONSIST OF 10 PERCENT CALICHE AND GRAVELS. TAXONOMICALLY THIS SOIL CAN BE CLASSIFIED AS A MEMBER OF THE HAPLARGIDS-TORIPSAMMENTS ASSOCIATION.

FLORISTICS

ACA ENCOUNTERED A MODERATE FLORAL ASSEMBLAGE IN THIS LOCATION. THE DENSITY OF THE VEGETATION IN THE AREA IS APPROXIMATELY 15 PERCENT, CONSISTING PRIMARILY OF SHRUBS. THE DOMINANT SPECIES IS OAK BRUSH. AMONG OTHER SPECIES PRESENT ARE BROOM SNAKEWEED, MESQUITE, AND TUMBLEWEED.

CULTURAL RESOURCES

ACA DID NOT ENCOUNTER ANY ARCHAEOLOGICAL SITES OR ISOLATED MANIFESTATIONS, EITHER WITHIN OR NEAR THE PROPOSED FACILITIES. A REVIEW OF THE NATIONAL REGISTER DID NOT FIND ANY PROPERTIES LISTED FOR THIS LOCATION.

RECOMMENDATIONS

ACA RECOMMENDS CLEARANCE FOR THE WELL PAD AND ACCESS ROAD AND SUGGESTS THAT CONSTRUCTION BE ALLOWED TO PROCEED AS CURRENTLY PLANNED.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION

JUN 06 1980

Form O-172
Revised 6-1-79
Effective 1-1-80

NEW MEXICO

All distances must be from the outer boundaries of the Section

General American Oil Co. of Texas

Madron "E"

2

N

28

17 South

Range

30 East

County

Elddy

990

feet from the

South

line and

1650

feet from the

West

line

Producing Formation

Pool

Dedicated Acreage:

Acres

3621.8

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

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CERTIFICATION

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

Name

Residence

Company

State

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.

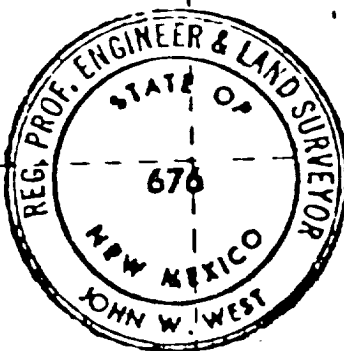
Date, receive

June 4, 1980

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. JOHN W. WEST 676
PATRICK A. ROMERO 6863



1650'

990'

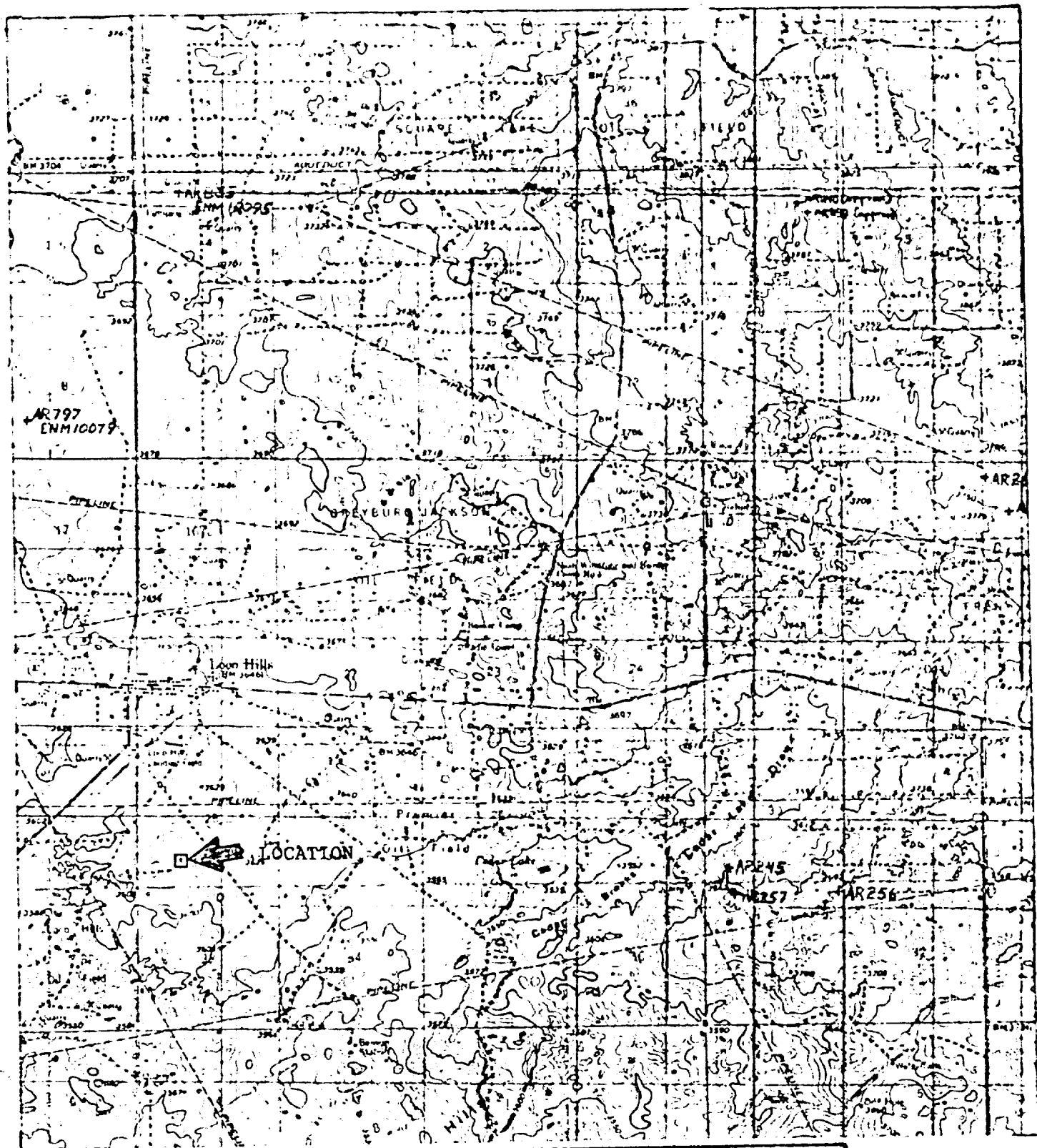
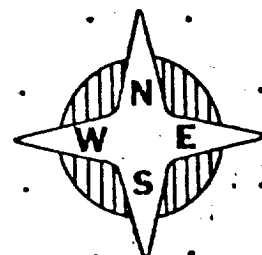


Figure 4: Location of Maddren "E" No. 2
Section 28, T17S, R30E, Eddy County

Map Reference: USGS Maljamar Quadrangle, 1963

15 MINUTE
SERIES



SCALE 1:62500

