

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-23392

5. LEASE DESIGNATION AND SERIAL NO.

LC-053259-a

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Maddren "A"

9. WELL NO.

5

10. FIELD AND POOL, OR WILDCAT

Grayburg-Jackson

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 28, T-17S, R-30E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

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

General American Oil Company of Texas

3. ADDRESS OF OPERATOR

P. O. Box 128 Loco Hills, New Mexico 88255

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1650' FNL and 2310' FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

One and One-Half Miles Southeast of Loco Hills, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

330'

16. NO. OF ACRES IN LEASE

200

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

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

660'

19. PROPOSED DEPTH

3350'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3627.0 GR.

22. APPROX. DATE WORK WILL START*

July 1, 1980

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	20#	500'	Circulate
7-7/8"	5-1/2"	15.5#	3350'	350 sacks

We propose to drill this well to the Premier Sand. If the Premier Sand is not commercial, we will plug back to the Seven Rivers zone.

Producing zone will be acidized or sand fraced.

Mud Program: Water and native mud will be used and approximately 100' from T.D. we will mud up to clean the hole to log.

A 10" 3000# blowout preventor will be used in the drilling of this well.

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

Randall N. Hawkins

TITLE

Assistant Field Superintendent

DATE

June 12, 1980

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

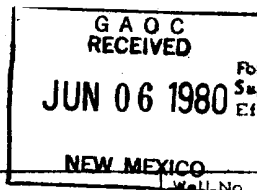
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

N MEXICO OIL CONSERVATION COMMISS
WELL LOCATION AND ACREAGE DEDICATION PLAT



Form C-102
 Supersedes C-128
 Effective 1-1-85

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

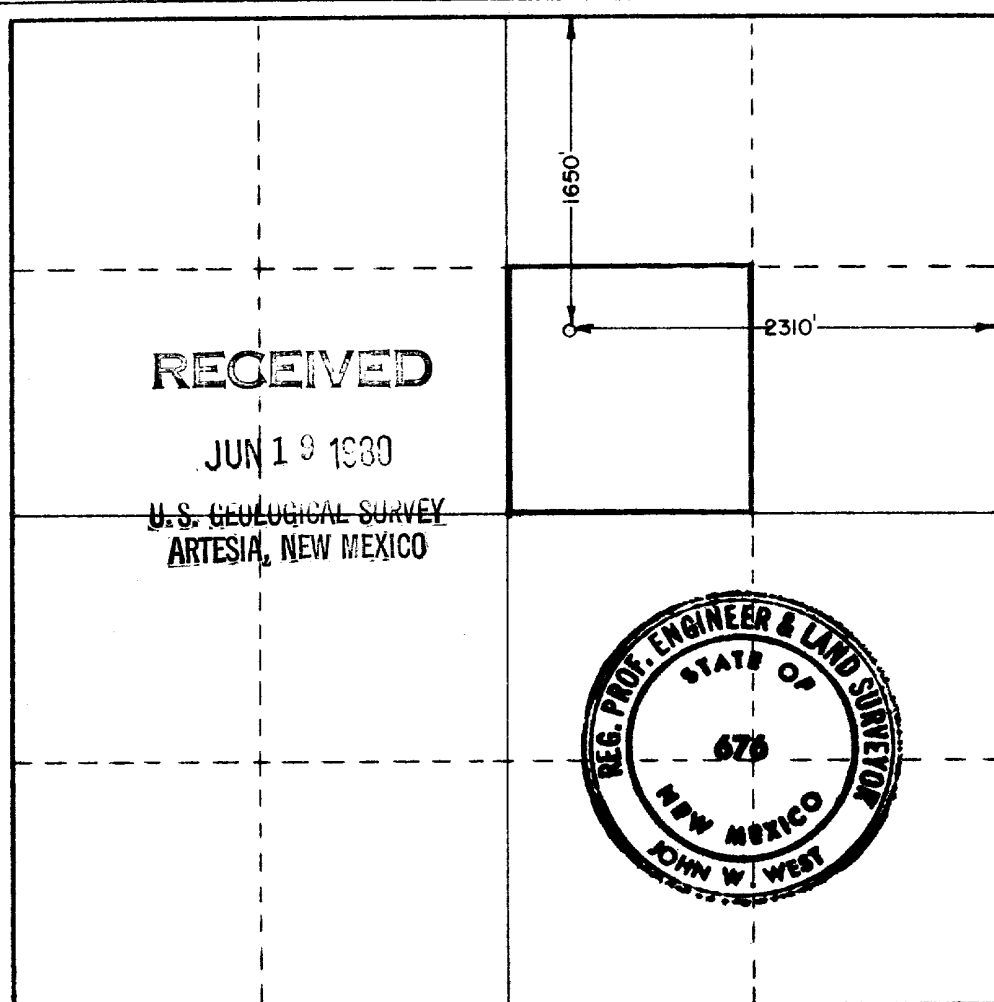
Operator General American Oil Co. of Texas			Lease Maddren "A"		Well No. 5
Unit Letter G	Section 28	Township 17 South	Range 30 East	County Eddy	
Actual Footage Location of Well: 1650 feet from the North line and 2310 feet from the East line					
Ground Level Elev. 3627.0	Producing Formation Premier	Pool Grayburg-Jackson Q-A-SA		Dedicated Acreage: 40 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.

Lendell N. Hawkins

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.

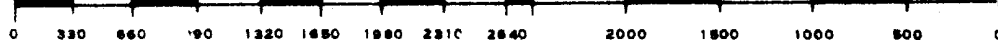
Date Surveyed

June 4, 1980

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 6003
Ronald J. Eidson 3239





N.M.O.C.D. COPY

United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Drawer U

Artesia, New Mexico 88210

RECEIVED

JUL 7 1980

O. C. D.

ARTESIA, OFFICE

July 1, 1980

General American Oil Co. of TX
Post Office Box 128
Loco Hills, New Mexico 88255

Gentlemen:

GENERAL AMERICAN OIL CO. OF TEXAS
Maddren "A" No. 5
1650 FNL 2310 FEL Sec. 28, T.17S, R.30E.
Eddy County Lease LC 053259-A

Above Data Required on Well Sign

Your APPLICATION FOR PERMIT TO DRILL the above-described well to a depth of 3,350 feet to test the Premier formation is hereby approved subject to compliance with the OIL AND GAS OPERATING REGULATIONS (30 CFR 221) and the following conditions:

1. Drilling operations authorized are subject to compliance with the GENERAL REQUIREMENTS FOR OIL AND GAS OPERATIONS ON FEDERAL LEASES, dated July 1, 1978.
2. Prior to commencing construction of road, pad, or other associated developments, operator will provide the dirt contractor with a copy of the SURFACE USE PLAN and this approval including the GENERAL REQUIREMENTS.
3. All access roads will be limited to a 12 foot wide driving surface, excluding turnarounds. Surface disturbance associated with road construction will be limited to 20 feet in width.
4. Submit a Daily Report of Operations from spud date until the Well Completion Report (form 9-330) is filed. The progress report should be not less than 8" x 5" in size and each page should identify the well.
5. All permanent above-ground structures and equipment shall be painted in accordance with the attached Painting Requirements. The color used should simulate Sandstone Brown (Federal Standard No. 595A, color 20318 or 30318).
6. Notify the Survey by telephone 24 hours prior to spudding well.
7. Cement behind the 8-5/8" casing must be circulated.

8. Special Stipulations: Utilize caliche pit in SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 21,
T. 17 S., R. 30 E.
9. Please have anyone contacting the Survey in regard to this well to
identify the well with all of the information required above for
the well sign.

Sincerely yours,

(S-4-18) GEORGE H. STEWART

George H. Stewart
Acting District Engineer

RE: Drilling Prognosis
Maddren "A" #5
Eddy County, New Mexico

I. OBJECTIVE:

Drill Maddren "A" #5 located in the Grayburg-Jackson and Fren fields. This well is to be a development well outside the Premier Unit area. The purpose is to develop both Premier Sand and Seven Rivers production.

II. LOCATION:

The well is to be located 1650' FNL and 2310' FEL of Section 28, Township 17-South, Range 30-East, Eddy County, New Mexico.

III. BUDGET CLASSIFICATION:

Developmental Drilling.

IV. PROJECTED TOTAL DEPTH, HOLE SIZE, SLOPE TEST:

- A. 12-1/4" hole to the top of the salt to accomodate 8-5/8" surface casing (approximately 500').
- B. 7-7/8" hole to approximately 3350' to accomodate 5-1/2" production casing.
- C. Estimated drilling time 6-7 days.
- D. Slope test will be run on each bit trip or 500' intervals.
- E. If any coring or drill stem testing is done, pipe will be strapped out of hole prior to coring or testing.

V. DRILLING CONTRACTOR:

- A. Contractor: WEK Drilling Company, Inc. (probable)
- B. Type Contract: Footage
- C. Contract Depth: 3350'

VI. MUD PROGRAM:

Probably will be furnished by Marrs Mud Company.

<u>Interval</u>	<u>Type Mud</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Weight Loss</u>
0'-3000'	Fresh & Salt Water	9 - 10	28 - 30	NC
3000'-3350'	Salt Mud	10 - 11	36 - 38	NC

(Will mud up 200' from TD)

VII. TYPICAL GEOLOGICAL TOPS FOR WELL IN SECTION 28-17S-30E:

<u>Tops</u>	<u>Vertical Depth</u>	<u>Subsea</u>
Queen	2355'	+ 1291'
Loco Hills	2835'	+ 811'
Main Metex	2974'	+ 672'
Premier Sands	3055'	+ 591'

VIII. SAMPLES:

- A. 10' samples from 220' to T.D. or as directed by Company Representative.

IX. CORES AND DRILL STEM TEST:

- A. At present time no cores or drill stem test are planned.

X. LOGS:

- A. Proposed logging program consists of:
 - Sidewall Neutron-Gamma Ray-Caliper 0'-T.D.
 - Dual Laterolog 1500'-T.D.

XI. CASING AND TUBING PROGRAM:

- A. Surface: 8-5/8" 20# Range 2 casing to be set just above the top of the salt section and cemented to the surface with class "C" cement with 2% CaCl. If cement does not surface the casing will be cemented down backside with 1".
- B. Production: 5-1/2" K-55 15.5# ST&C casing. Sufficient volume of class "H" cement with 1/4" floccel, 3/4 of 1% CFR-2, 5# salt, 10# sand per sack will be pumped to cover well above all zones of interest.

XII. SAFETY PROGRAM:

- A. Blowout preventors will be used as well as close observation by Company personnel to assure the well is safely drilled.

XIII. THIRD PARTY SERVICES:

Surveying:	Jones & Company or John West Engineering
Dirt Work:	Jabo Rowland or Sweatt Construction
Cementing:	Halliburton or B. J.
Logging:	Dresser Atlas
Stimulation:	Western or Dresser Titan
Drilling Mud:	Marr's Mud Company
Water and Trucking:	I & W Inc. or Jim's Water Service

RECEIVED
JUN 1 8 50 AM '60
MEXICO COUNTY CLERK
ARTESIA, N. MEXICO

SURFACE USE PLAN

GENERAL AMERICAN OIL COMPANY OF TEXAS WELL: Maddreh #5110

LEASE: LC-053259-a EDDY COUNTY, NEW MEXICO

The subject well is located approximately 25-1/2 miles East of Artesia, New Mexico on the South side of U. S. Highway 82. The following is a discussion of pertinent information concerning possible effect, which the proposed drilling of the well may have on the environment, of the well and road sites and surrounding acreage. A copy will be posted on the derrick floor so that all contractors and sub-contractors will be aware of all items of this plan.

1. AERIAL ROAD MAP - Exhibit "A" is a portion of the Artesia Quadrangle Map #106 and Maljamar Quadrangle Map #107 showing well site in relation to U. S. Highway 82. Access road, which is shown on Exhibit "B" and colored in red, exits the highway about 25 miles East of Artesia, New Mexico.
2. LOCATION OF EXISTING WELLS - The location of existing wells in the immediate area of the proposed well is shown on Exhibit "B".
3. PROPOSED WELL MAT AND IMMEDIATE AREA - Refer to Exhibit "C" for direction orientation and road access.
 - a. MAT SIZE - 140' X 180'.
 - b. SURFACED - Will be topped with 6" of caliche, bladed, watered and compacted. Caliche to be purchased from B.L.M. by dirt contractor.
 - c. RESERVE PIT - 60' X 70' pit unlined, joining mat to the North.
 - d. CUT & FILL - Location is basically flat except for small sand dunes. No fill will be needed except existing sand dunes leveled and topped with caliche.
 - e. DRILL SITE LAYOUT - Exhibit "C" shows the location and layout including position of the Rig, Mud Tanks, Reserve Pits, Pipe Racks and etc. The Rig will be erected with the V-Door to the East.
 - f. SETTING AND ENVIRONMENT
 - (1) Terrain - Low rolling sand hills.
 - (2) Soil - Sandy soil.
 - (3) Vegetation - Sparse vegetation, being mostly mesquite, shennery, weeds and other semi-desert plants, with some grass.
 - (4) Surface Use - Grazing.
 - (5) Other - Drillsite - which is in sandy semi-arid desert country, is in a low environment risk area. The total effect of drilling and production this and other wells in this area would be very minimal.
 - g. DISTANCES TO
 - (1) Ponds and Streams - There are no surface waters within 3 miles.
 - (2) Water Wells - There are no water wells within 1/2 mile.
 - (3) Residences and Buildings - There are no residences or buildings within 1/2 mile.
 - (4) Arroyos, Canyons, Hills and Etc. - Outside of small sand dunes there are no surface features.
 - h. WELL SIGN - Sign indentifying and locating proposed well will be maintained at the drill site commencing with the spudding of the well.
 - i. OPEN PITS - All pits containing mud or other liquids will be guarded.
4. ROADS
 - a. EXISTING ROADS - All existing roads within the immediate area of well site are shown on Exhibit "B" and are colored yellow.

4. ROADS - CONTINUED

b. PLANNED ROADS - No new roads will be constructed. Existing roads will be repaired and used. Suggested route to the location colored red on Exhibit "B".

c. FENCES, GATES AND CATTLE GUARDS - Will be maintained as General American already operates several hundred wells in the immediate area.

5. TANK BATTERY - If production is encountered a tank battery will be erected on location.

6. LEASE - PIPELINES

a. EXISTING - All existing pipelines are shown on Exhibit "B".

b. PLANNED - If production is encountered, proposed flowline will consist of 2" steel line laid on top of the ground to tank battery on location.

7. WASTE DISPOSAL - Barrel trash containers will be in accessible locations within the drill site area during the drilling and completion operations. A waste disposal pit will be deep enough to handle waste and will be covered with a minimum of 2 feet of top soil. See Exhibit "C" for pit location. If well is productive, maintenance waste will be placed in special trash can and hauled away periodically. Any produced water will be disposed of through the currently existing S. W. D. system.

8. WATER SUPPLY - Water supply to drill this well will be furnished by trucking.

9. ARCHEOLOGICAL RESOURCES - See attached Conservation Archaeology's Clearance Report.

10. RESTORATION OF SURFACE - If well is productive, pits will be backfilled and leveled as soon as practical. Upon final abandonment of well, well site will be leveled and cleaned, with land returned as near as practical to original condition.

11. OPERATOR'S REPRESENTATIVES - Field personnel who can be contacted concerning compliance of this surface use plan are as follows:

Drilling and Production

Lendell N. Hawkins
P. O. Box 128
Loco Hills, New Mexico 88255
Office Phone: 505 677-2481
Home Phone: 505 677-2277

Fred J. Starkey
P. O. Box 128
Loco Hills, New Mexico 88255
Office Phone: 505 677-2481
Home Phone: 505 746-9397

12. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions as they actually exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the proposed work performed by General American Oil Company and its Contractors and Sub-Contractors will conform to this plan.

6-12-80

Date

Lendell N. Hawkins
Lendell N. Hawkins
Assistant Field Superintendent

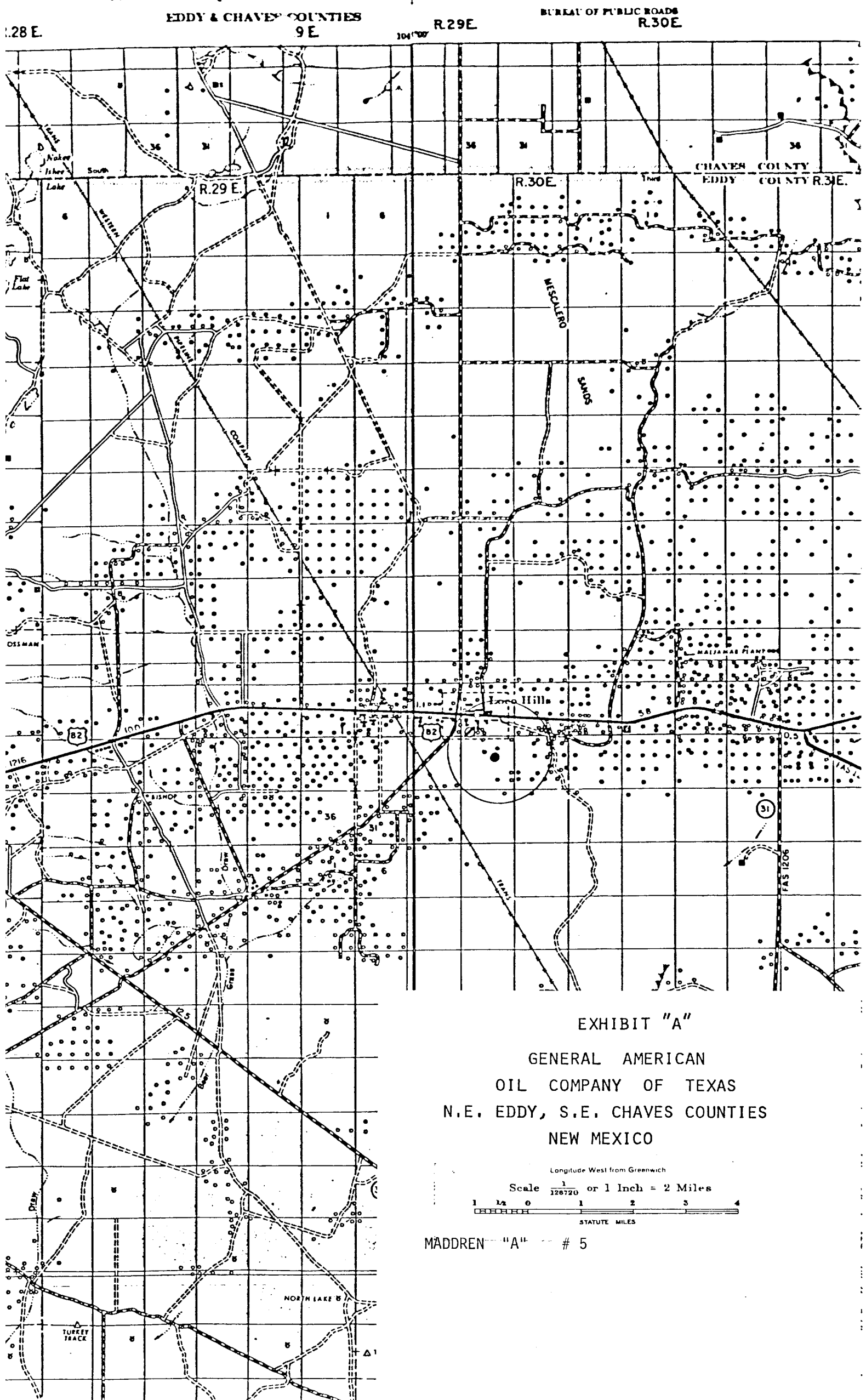


EXHIBIT "A"

GENERAL AMERICAN
OIL COMPANY OF TEXAS
N.E. EDDY, S.E. CHAVES COUNTIES
NEW MEXICO

Longitude West from Greenwich

Scale $\frac{1}{126720}$ or 1 inch = 2 Miles

1 1/2 0 1 2 3 4

STATUTE MILES

MADDREN "A" # 5

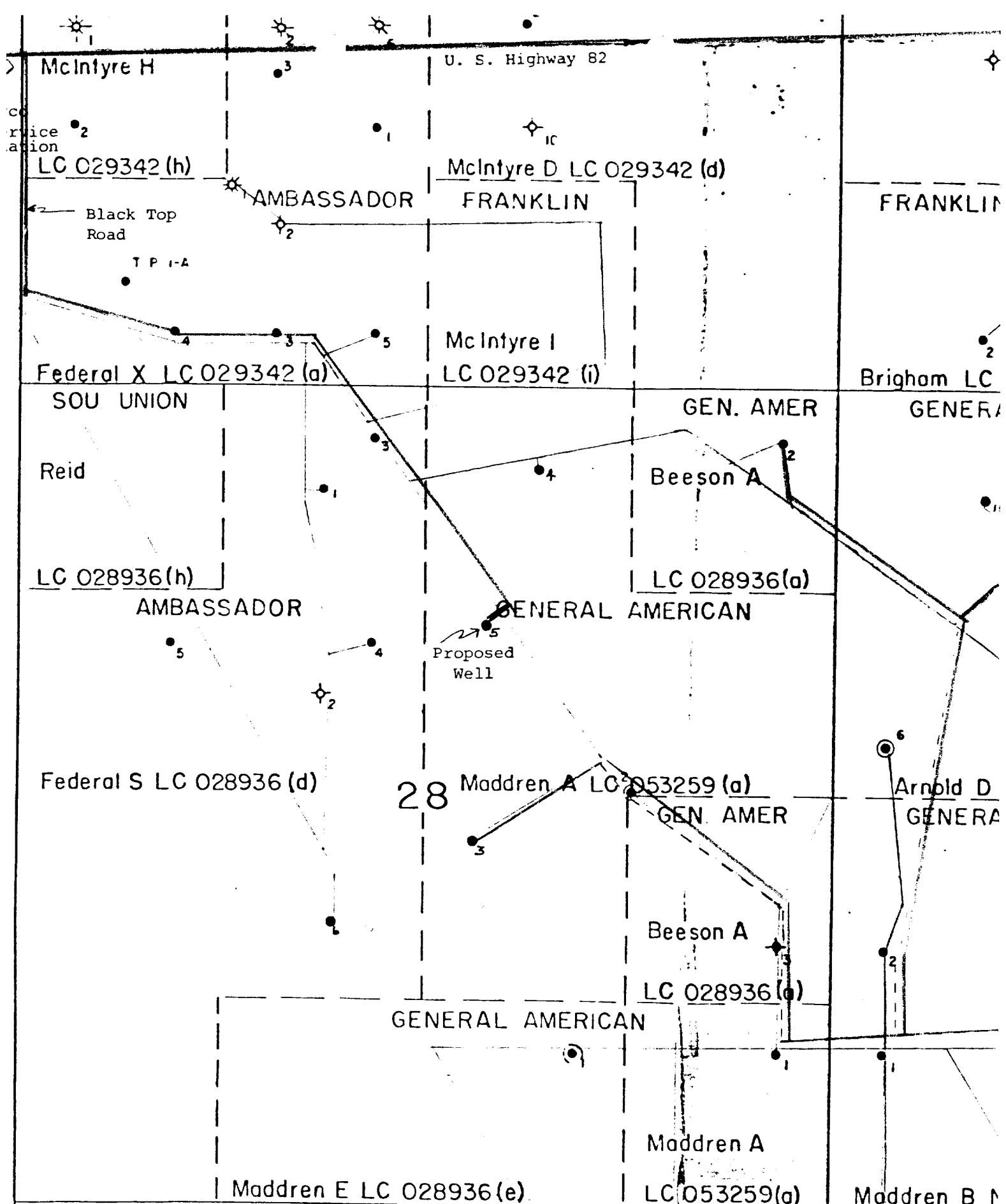


EXHIBIT "B"

GENERAL AMERICAN OIL
COMPANY OF TEXAS

Proposed Well: Maddren "A" #5
Section 28, T-17 South, R-30 East

⊙ Water Injection Wells

● Existing Oil Wells

— Existing Roads

— U. S. Highway 82

— Existing Flowlines

— Proposed Flowline

Tank Battery will be erected
on location

Water Supply - By Trucking

— Suggested Route To Location

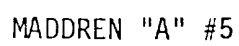
SCALE: 1" = 800'

Beeson B NM 0467934

GENERAL AMERICAN

Federal G N

AMBA



Caliche Pit No. 3

Location

The proposed caliche pit is located 0.25 miles south of Loco Hills, New Mexico, near the Querecho Plains. The pit measures 200 X 600 feet and is situated in the:

SE $\frac{1}{4}$ SW $\frac{1}{4}$, Section 21, T17S, R30E, NMPM, Eddy County, New Mexico (BLM)

Map Reference: USGS Maljamar Quadrangle, 15 minute series, 1963
(see Figure 11).

Terrain

The proposed caliche pit is located near the Querecho Plains and is 4 miles west of Cedar Breaks. It is situated on a gently undulating plain which is overlain by a dune field. The elevation is 3630 feet.

The soils encountered in the area are predominantly calcareous sands. No lithic inclusions were encountered in the soil. Taxonomically, this soil can be classified as a member of the Haplargid-Torripsamment association.

Floristics

ACA encountered a sparse floral assemblage in this vicinity. The density of the ground cover in the area is approximately ten percent, consisting mainly of shrubs. Among the species present are: mesquite (Prosopis juliflora), and broom snakeweed (Gutierrezia sarothrae).

Cultural Resources

ACA did not encounter any archaeological sites or isolated manifestations either within or near the proposed area of impact. A review of ACA's site files and the National Register did not find any properties listed for this location.

Recommendations

ACA recommends clearance for the proposed caliche pit and suggests that construction be allowed to proceed as currently planned.

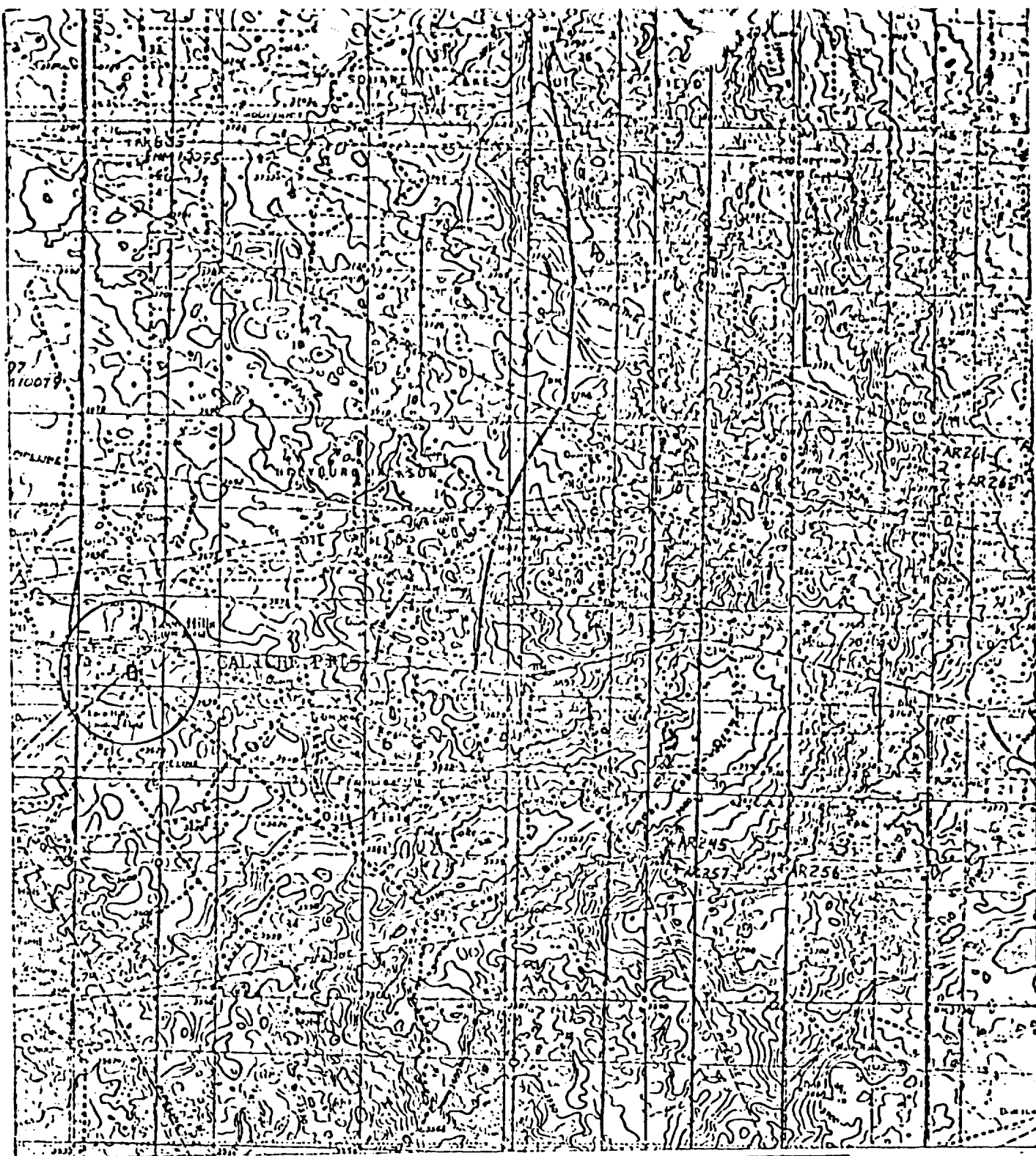
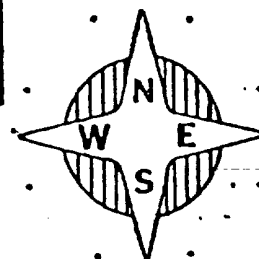
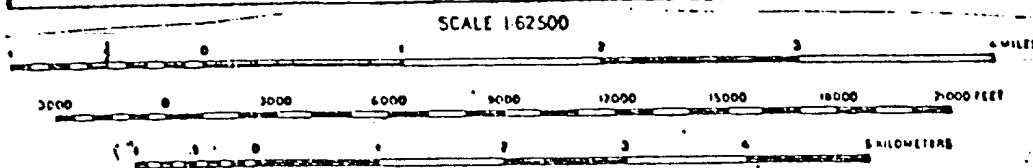


Figure 11: Location of Caliche Pit No. 3
Section 21, T17S, R30E, Eddy County

Map Reference: USGS Maljamar Quadrangle, 1963

15 MINUTE
SERIES



A C A

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

RECEIVED
JUN 06 1980

Form C-121
Supersedes C-120
Effective 1-1-78

All distances must be from the outer boundaries of the Section

NEW MEXICO

General American Oil Co. of Texas

Modjren "A"

5

G

28

17 South

30 East

Eddy

1650

feet from the North

line and 2310

feet from the East

line

Section

Producing Formation

Pool

Indicated Acreage

3627.0

Premier

Grayburg-Jackson

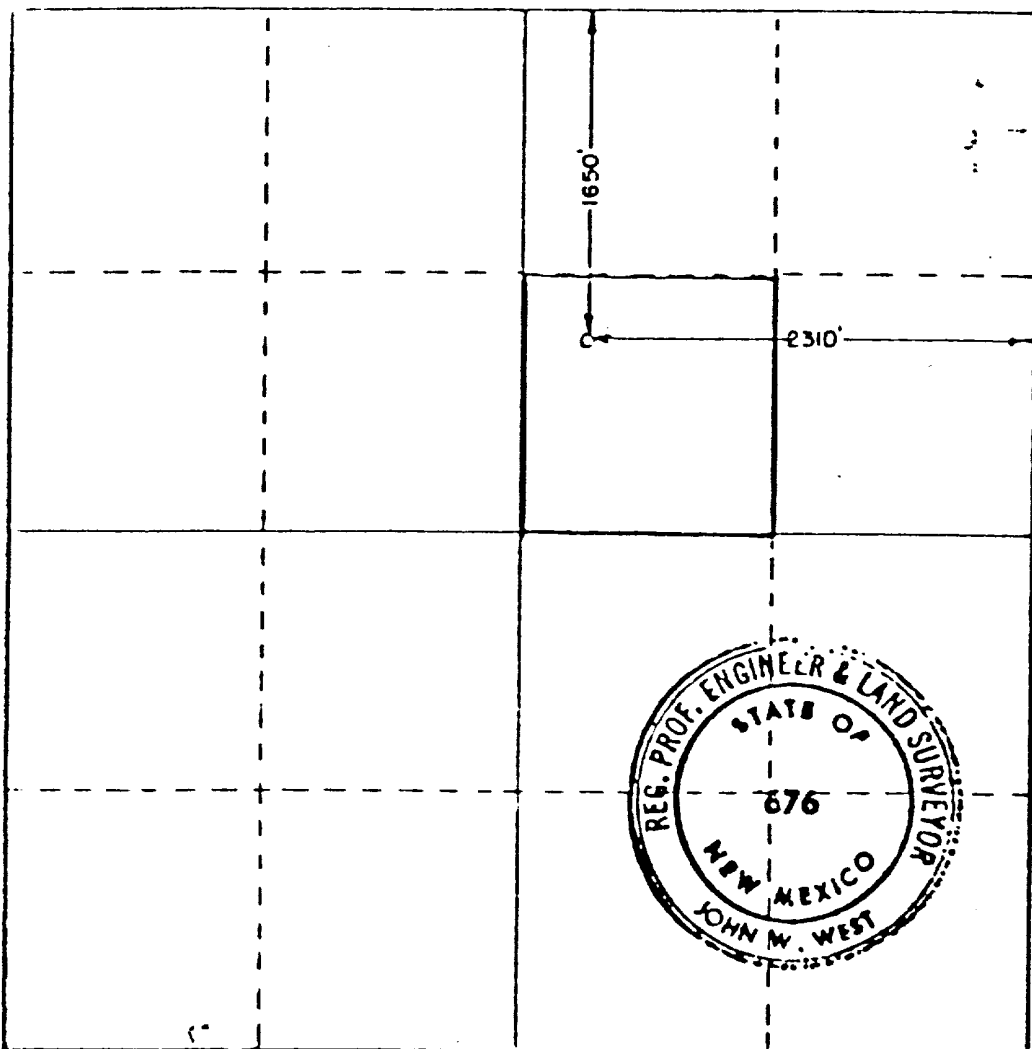
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1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
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 W. West
Certificate No. JOHN W. WEST 676

TERRY A. KENNEDY GAB

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)

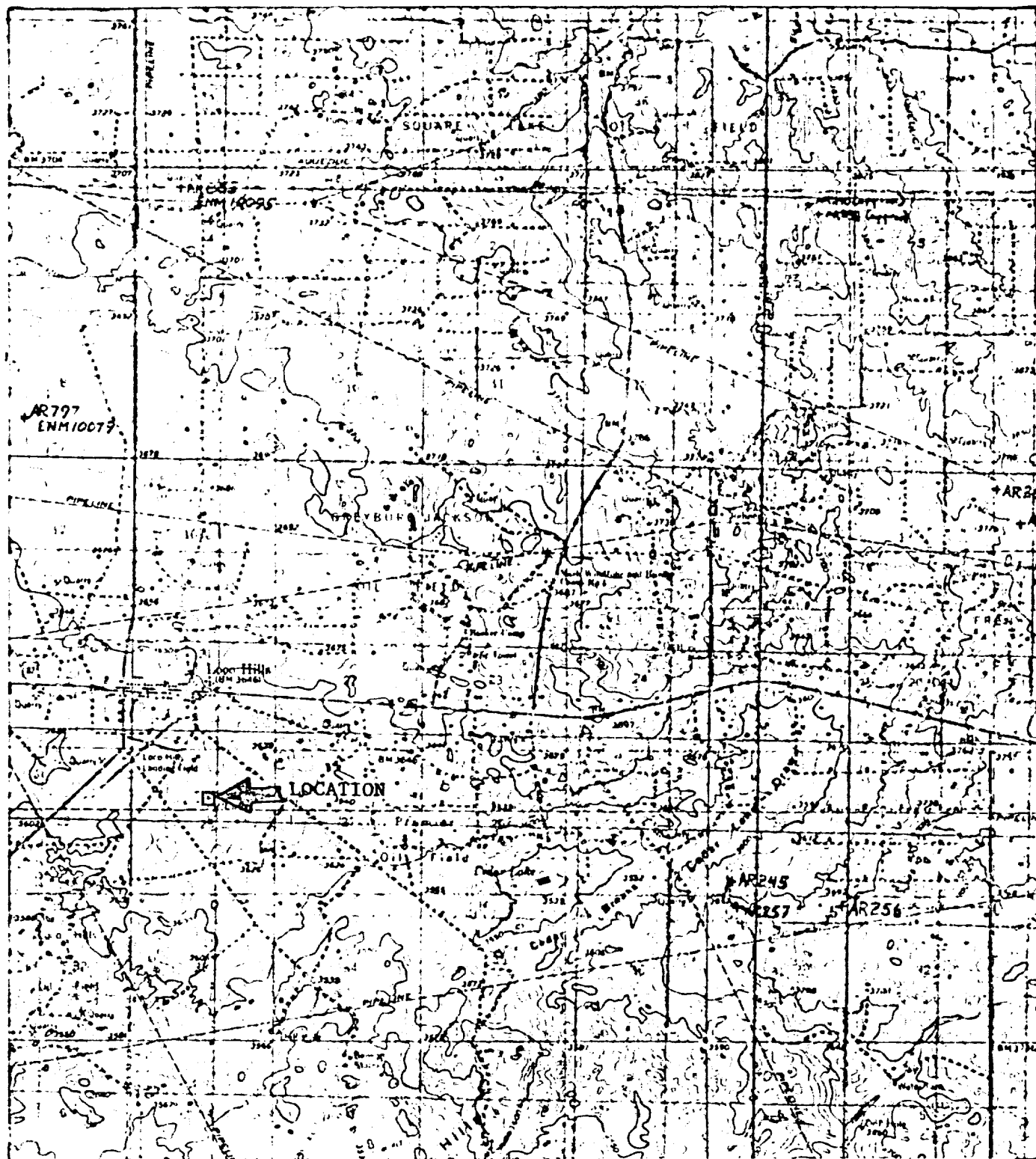
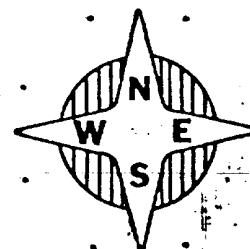


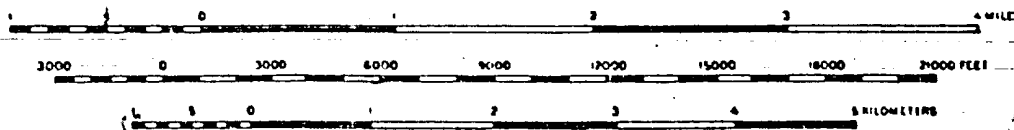
Figure 2: Location of Maddren "A" No. 5
Section 28, T17S, R30E, Eddy County

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 ALTHITHERMAL 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 C-122
Supersedes C-120
12-1-78

NEW MEXICO

All distances must be from the outer boundaries of the Section

General American Oil Co. of Texas

Lease

Madoren "E"

2

N

28

17 South

Range

30 East

County

Eddy

1. Well location of well.

990

feet from the South

line and

1650

feet from the

West

line

2. Well Elev.

3621.8

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 Commission.

CERTIFICATION

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

Name

Location

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.

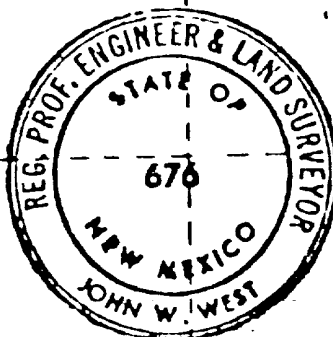
Date

June 4, 1980

Registered Professional Engineer and or Land Surveyor

John W. West

Certificate No. JOHN W. WEST 676



1650'

990'

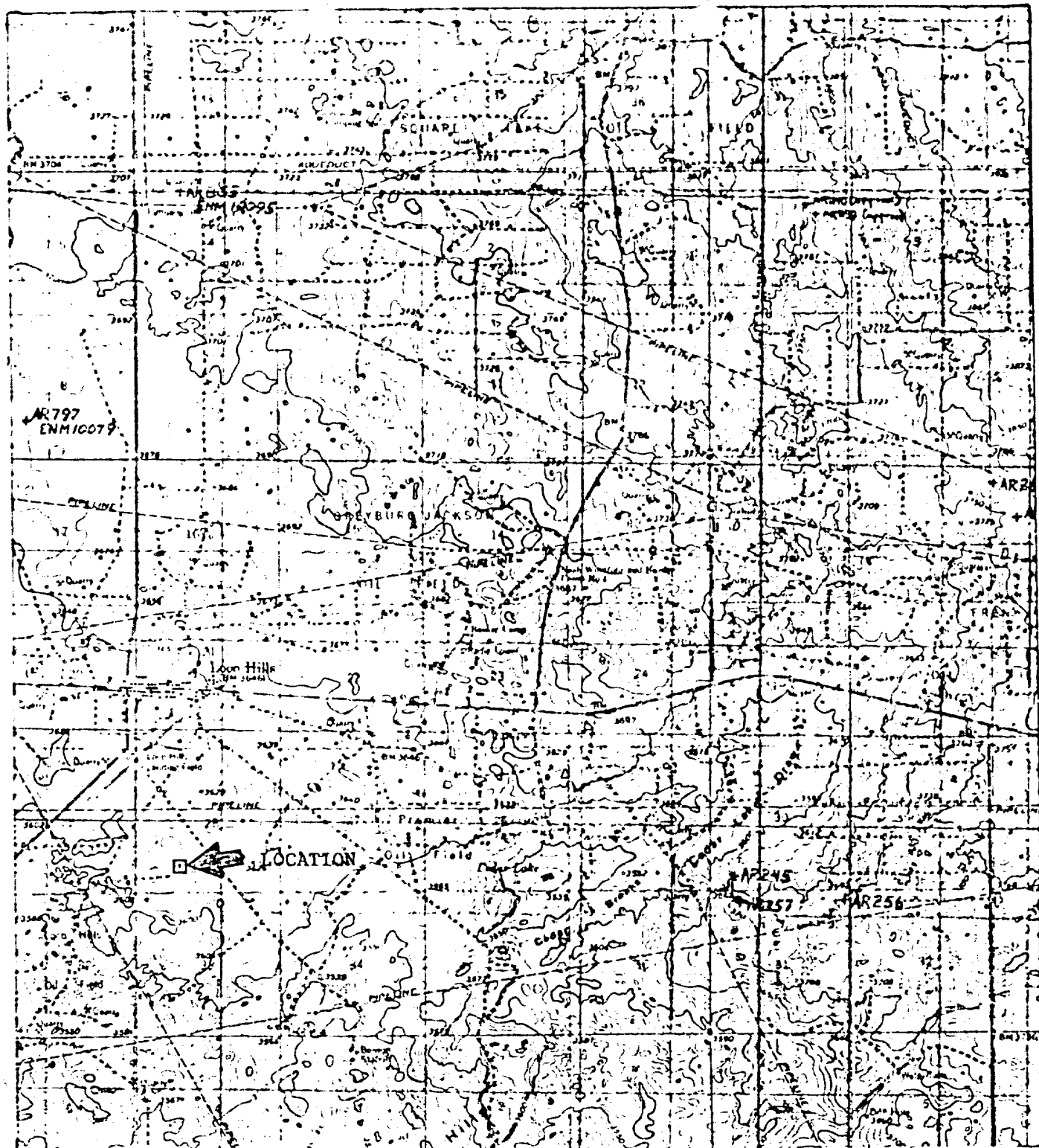
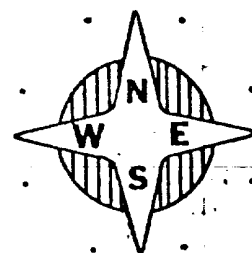


Figure 4: Location of Maddren "E" No. 2
Section 28, T17S, R30E, Eddy County

Map Reference: USGS Maljamar Quadrangle, 1963

15 MINUTE
SERIES



SCALE 1:62500

