

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

APR 10 1980

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐ O. C. D.SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

FORD CHAPMAN AND ASSOCIATES

3. ADDRESS OF OPERATOR

P. O. BOX 2376, MIDLAND, TEXAS 79702

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

At surface

1650' FNL AND 2205' FWL OF SECTION 24

At proposed prod. zone

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

15 MILES SOUTHEAST OF MALAGA, NEW MEXICO

15. DISTANCE FROM PROPOSED*

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

1650'

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

862'

16. NO. OF ACRES IN LEASE

640

19. PROPOSED DEPTH

3300

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

CABLE TOOLS

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

2970' GR

22. APPROX. DATE WORK WILL START*

May 1, 1980

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/2"	10-3/4"	40.5# H-40	350	SUFFICIENT TO CIRCULATE
6-1/4"	4-1/2"	9.5# K-55	3300	50 SACKS

SEE ATTACHED FOR: SUPPLEMENTAL DRILLING DATA
SURFACE USE AND OPERATIONS PLAN

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

Arthur R. Brown

Agent for

FORD CHAPMAN AND ASSOCIATES

DATE April 2, 1980

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Ford Chapman & Associates

0-31-10-1

3

F

24

9-10-1

Edg

1-80

220

West

OST 1.0

DELAWARE

BRUSHY DRAW DELAWARE

40

1. Decline the bearing on the line between the subject and the adjacent parcel or parcels.

2. If more than one line is shown, the line which is to be used to identify the subject parcel is the line of interest and is shown as a solid line.

3. If the subject parcel is a part of a larger parcel, the larger parcel is shown as a dashed line and the subject parcel is shown as a solid line.

4. If the subject parcel is a part of a larger parcel, the larger parcel is shown as a dashed line and the subject parcel is shown as a solid line.

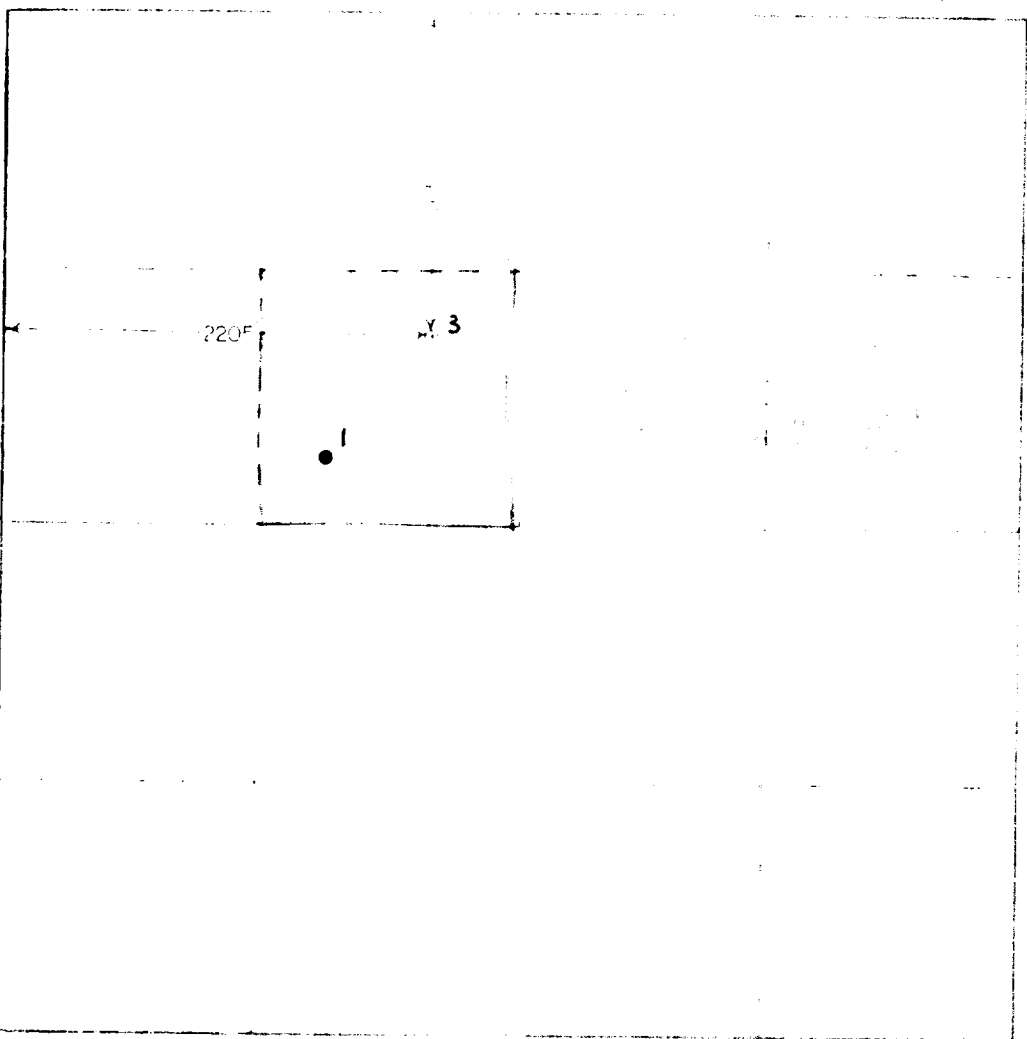
5. If the subject parcel is a part of a larger parcel, the larger parcel is shown as a dashed line and the subject parcel is shown as a solid line.

6. If the subject parcel is a part of a larger parcel, the larger parcel is shown as a dashed line and the subject parcel is shown as a solid line.

RECEIVED

APR 10 1980

O. C. D.
ARTESIA, OFFICE



I hereby certify that the foregoing is a true and correct copy of the original as the same appears on my knowledge and belief.

Arthur R. Brown

Arthur R. Brown

AGENT FOR

FORD CHAPMAN AND ASSOCIATES

APRIL 2, 1980

I hereby certify that the foregoing is a true and correct copy of the original as the same appears on my knowledge and belief.

APR 10 1980

John W. West
JOHN W. WEST
PATRICK A. ROMERO
20015 - 1000 - 111



United States Department of the Interior

GEOLOGICAL SURVEY
P. O. Drawer U
Artesia, New Mexico 88210

RECEIVED

APR 10 1980

O. C. D.
ARTESIA, OFFICE

April 9, 1980

Ford Chapman and Associates
P. O. Box 2376
Midland, Texas 79702

Gentlemen:

FORD CHAPMAN AND ASSOCIATES
Gulf Fed No. 3
1650 FNL 2205 FWL Sec. 24 T.26S R.29E
Eddy County Lease No. LC-061581

Above Data Required on Well Sign

Your APPLICATION FOR PERMIT TO DRILL the above-described well to a depth of 3,300 feet to test the Delaware 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 10-3/4" casing must be circulated.
8. 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,

George H. Stewart
Acting District Engineer

SUPPLEMENTAL DRILLING DATA

FORD CHAPMAN AND ASSOCIATES
WELL NO. 3 GULF FEDERAL

1. SURFACE FORMATION: Quaternary Alluvium

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Rustler Anhydrite	350'
Lamar	3110'
Ramsey Sand	3165'
Olds Sand	3220'

3. ANTICIPATED POSSIBLE WATER AND HYDROCARBON BEARING ZONES:

Fresh Water	above 350 feet
Delaware (Oil)	3165-3175 feet

4. PROPOSED CASING AND CEMENTING PROGRAM:

Casing program is shown on Form 9-331 C.

Hole for surface casing will be drilled to below fresh water zones. Surface casing will then be run to bottom and cemented to the surface to protect fresh water zones.

Surface casing is large enough to run 8-5/8" and 7" cave and/or water shut-off casing strings if necessary to do so. If either or both of these casing strings are run they will be mudded in and will be pulled.

10-3/4" surface casing will be cemented to the surface with class "C" cement,

4-1/2" production casing will be cemented with 50 sacks of Class "C" cement.

5. PRESSURE CONTROL EQUIPMENT:

Pressure control equipment will consist of a control valve and oil saver.

6. CIRCULATING MEDIUM:

This will be a cable tool hole. Water will be the drilling fluid.

7. AUXILIARY EQUIPMENT:

Not applicable.

8. TESTING, LOGGING AND CORING PROGRAM:

No coring is planned.

Formation tests will be made as warranted by bailing hole down and measuring fluid entry rate.

It is planned that a Gamma Ray - Sonic log will be run.

9. ABNORMAL PRESSURES, TEMPERATURES OR HYDROGEN SULFIDE GAS:

None anticipated.

10. ANTICIPATED STARTING DATE:

It is planned that drilling operations will commence on or about May 1, 1980. Duration of drilling and completion operations should be about 35 days.

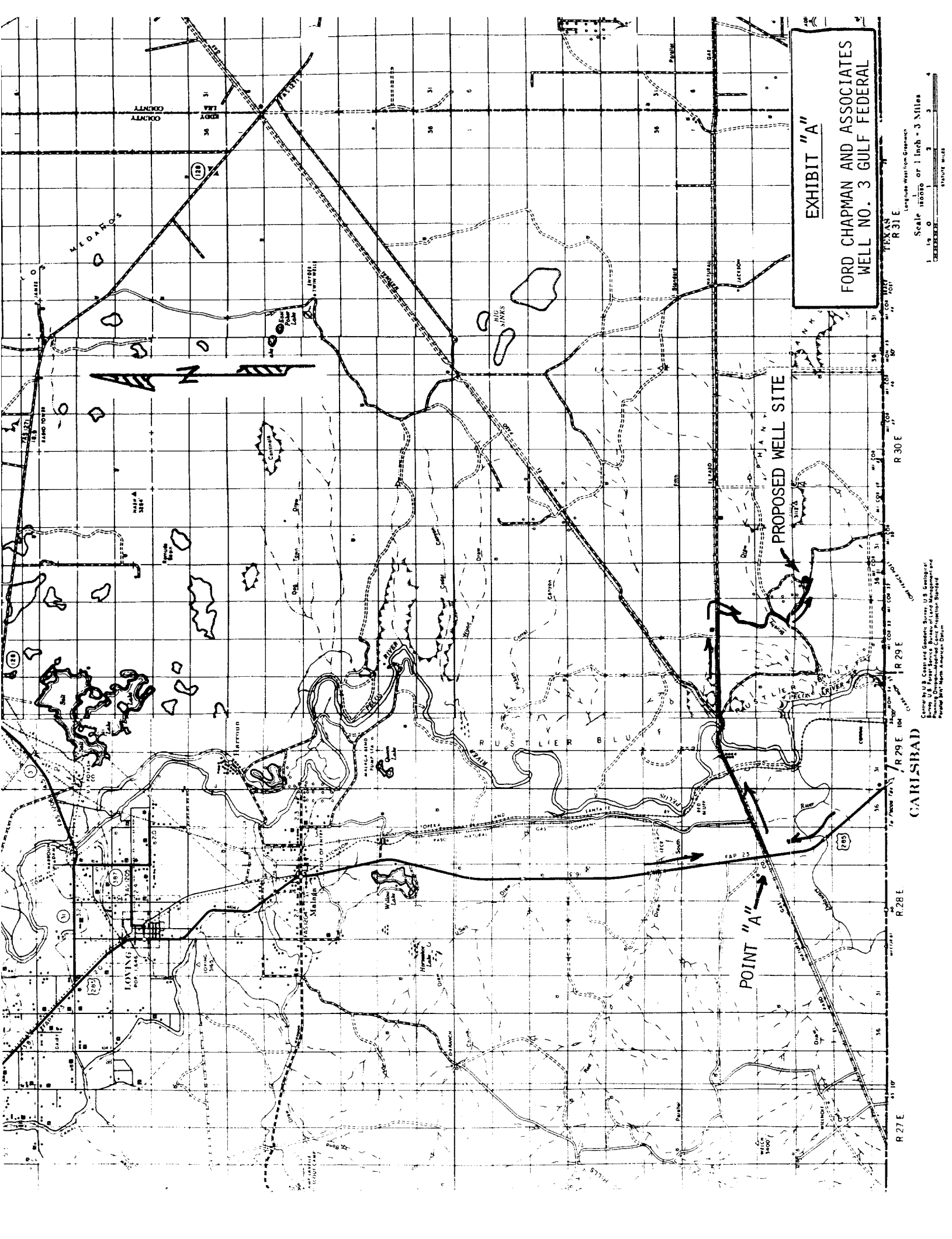
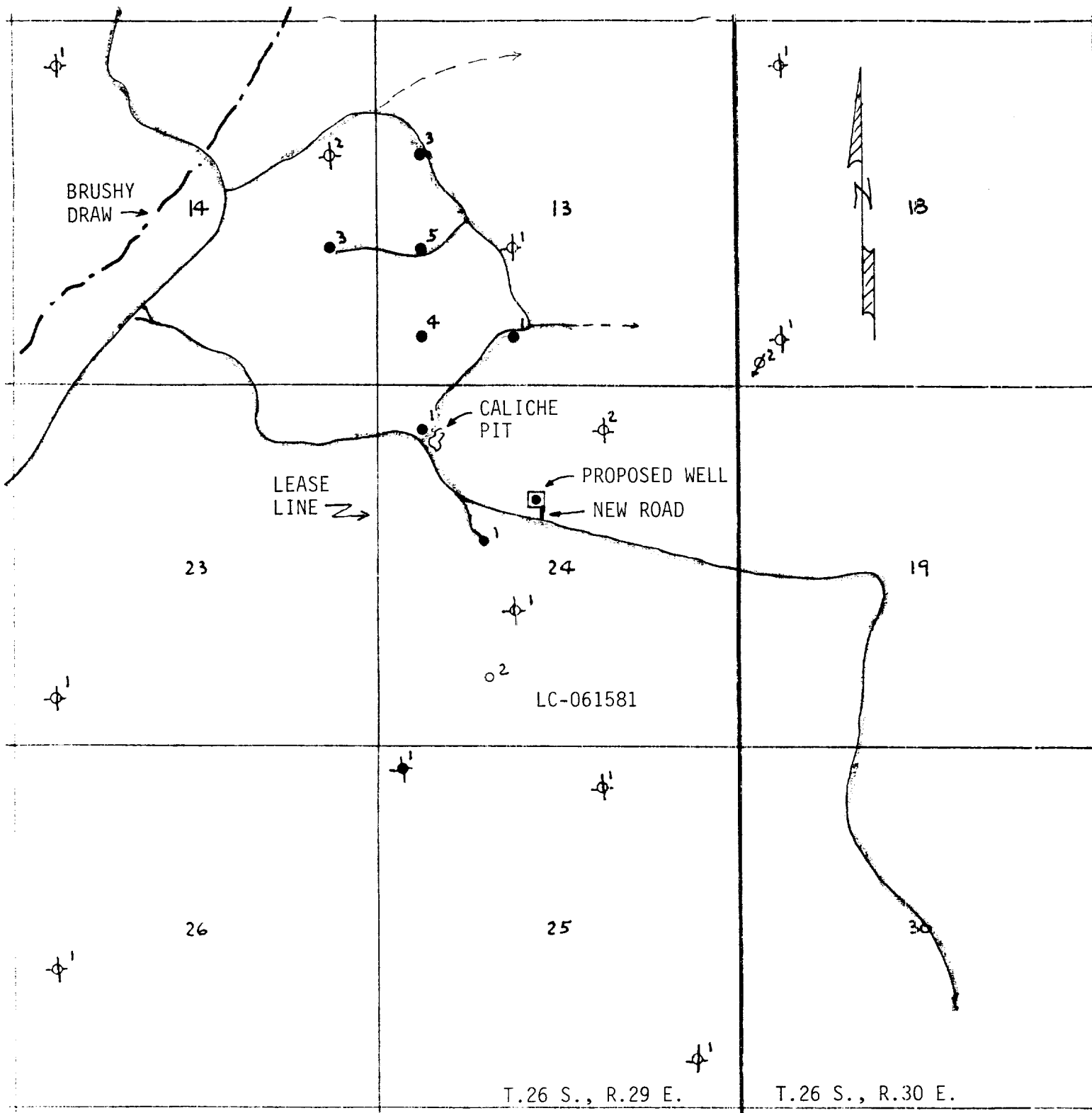


EXHIBIT "A"
FORD CHAPMAN AND ASSOCIATES
WELL NO. 3 GULF FEDERAL

Scale 1 inch = 3 Miles
1 1/2 0 1 2 3 4
MILES

Carlsbad, California
U.S. Coast and Geodetic Survey, U.S. Geological Survey
U.S. Forest Service, Bureau of Land Management and
Bureau of Reclamation, National Center for Geographic Information Science

Carlsbad
R 27 E R 28 E R 29 E R 30 E R 31 E
T 36 N T 37 N T 38 N T 39 N



LEGEND:

- Proposed Well Location
- Oil Well
- ⊕ Plugged Well
- Existing Roads
- Proposed New Road

EXHIBIT "B"

FORD CHAPMAN AND ASSOCIATES
 WELL NO. 3 GULF FEDERAL
 1650'FNL & 2205'FWL SEC.24, T.26 S., R.29 E.
 EDDY COUNTY, NM SCALE: 1" = 2000'