

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

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

990' FSL AND 1650' 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)

990'

16. NO. OF ACRES IN LEASE

640

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1980'

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.)

2948.5' GR

22. APPROX. DATE WORK WILL START\*

As Soon As Approved

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.

SIGNATURE

Arthur R. Brown

TITLE

Agent for  
FORD CHAPMAN AND ASSOCIATES

DATE

April 2, 1980

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

4-9-80

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

30-05-73285  
5. LEASE DESIGNATION AND SERIAL  
LC-061581  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
APR 10 1980  
7. UNIT AGREEMENT NAME  
O. C. D.  
8. FARM OR LEASE NAME  
ARTESIA, OFFICE  
GULF FEDERAL  
9. WELL NO.  
2  
10. FIELD AND POOL, OR WILDCAT  
X BRUSHY DRAW DELAWARE  
11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
UL- SEC. 24, T. 26 S., R. 29 E.  
12. COUNTY OR PARISH  
EDDY  
13. STATE  
NEW MEXICO

Fort Chapman & Associates

Multi Parcel

2

N 24 26 South

27 East

Body

290

South

1.40

West

2940

DELAWARE

BRUSHY DRAW DELAWARE

40

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

RECEIVED

2. If more than one lease is recorded to the well, set it aside and identify the ownership thereof (both as to working interest and owned).

APR 10 1980

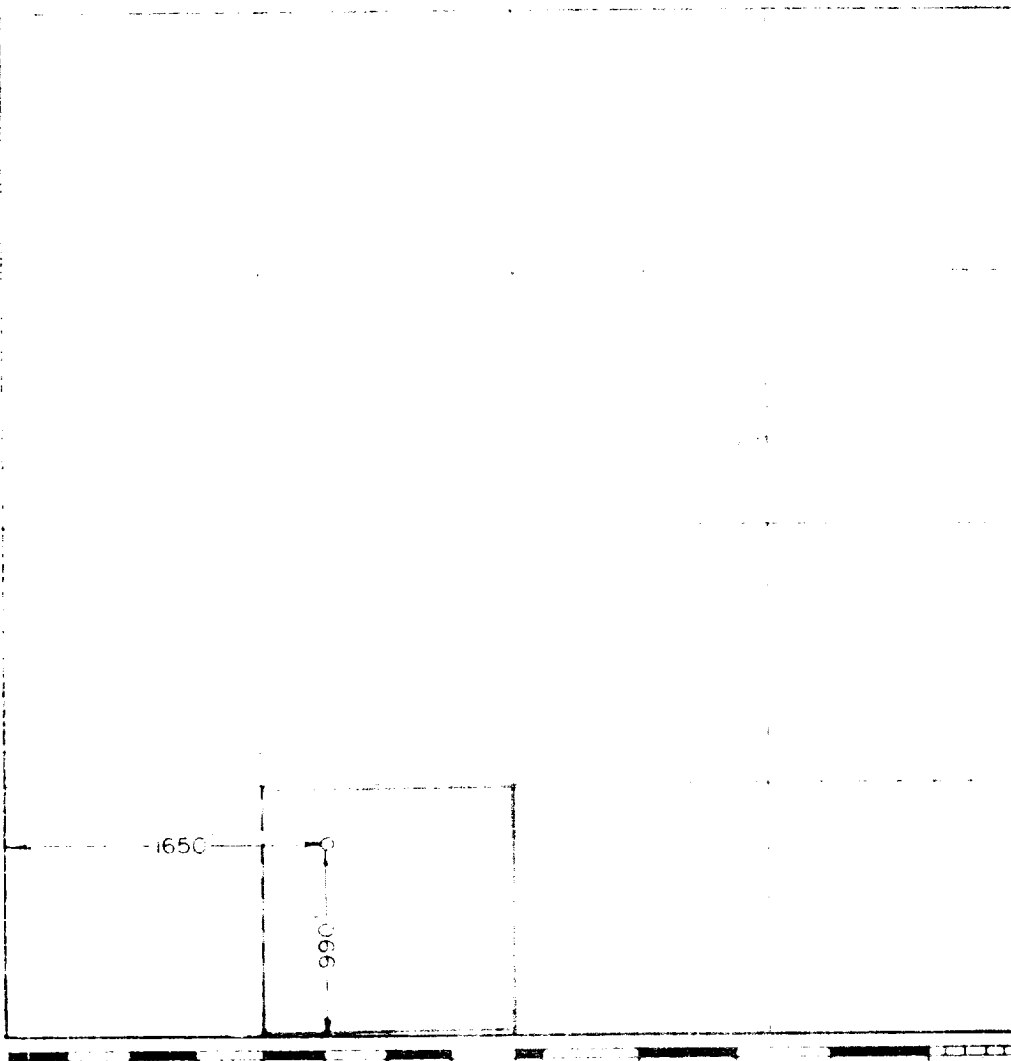
3. If more than one lease is recorded to the well, set it aside and identify the ownership thereof (both as to working interest and owned).

O. C. D.

ARTESIA, OFFICE

4. If more than one lease is recorded to the well, set it aside and identify the ownership thereof (both as to working interest and owned).

5. If more than one lease is recorded to the well, set it aside and identify the ownership thereof (both as to working interest and owned).



*Arthur R. Brown*

Arthur R. Brown

AGENT FOR

FORD CHAPMAN AND ASSOCIATES

APRIL 2, 1980

March 27, 1980

*John W. West*  
Certificate to JOHN W. WEST 676  
PATRICK A. ROMERO 6668  
Ronald J. Edson 3239



M.O.C.D. CO

# United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Drawer U

Artesia, New Mexico 88210

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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. 2  
990 FSL 1650 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,

(s) GEORGE H. STEWART

George H. Stewart  
Acting District Engineer

## SUPPLEMENTAL DRILLING DATA

FORD CHAPMAN AND ASSOCIATES  
WELL NO. 2 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.

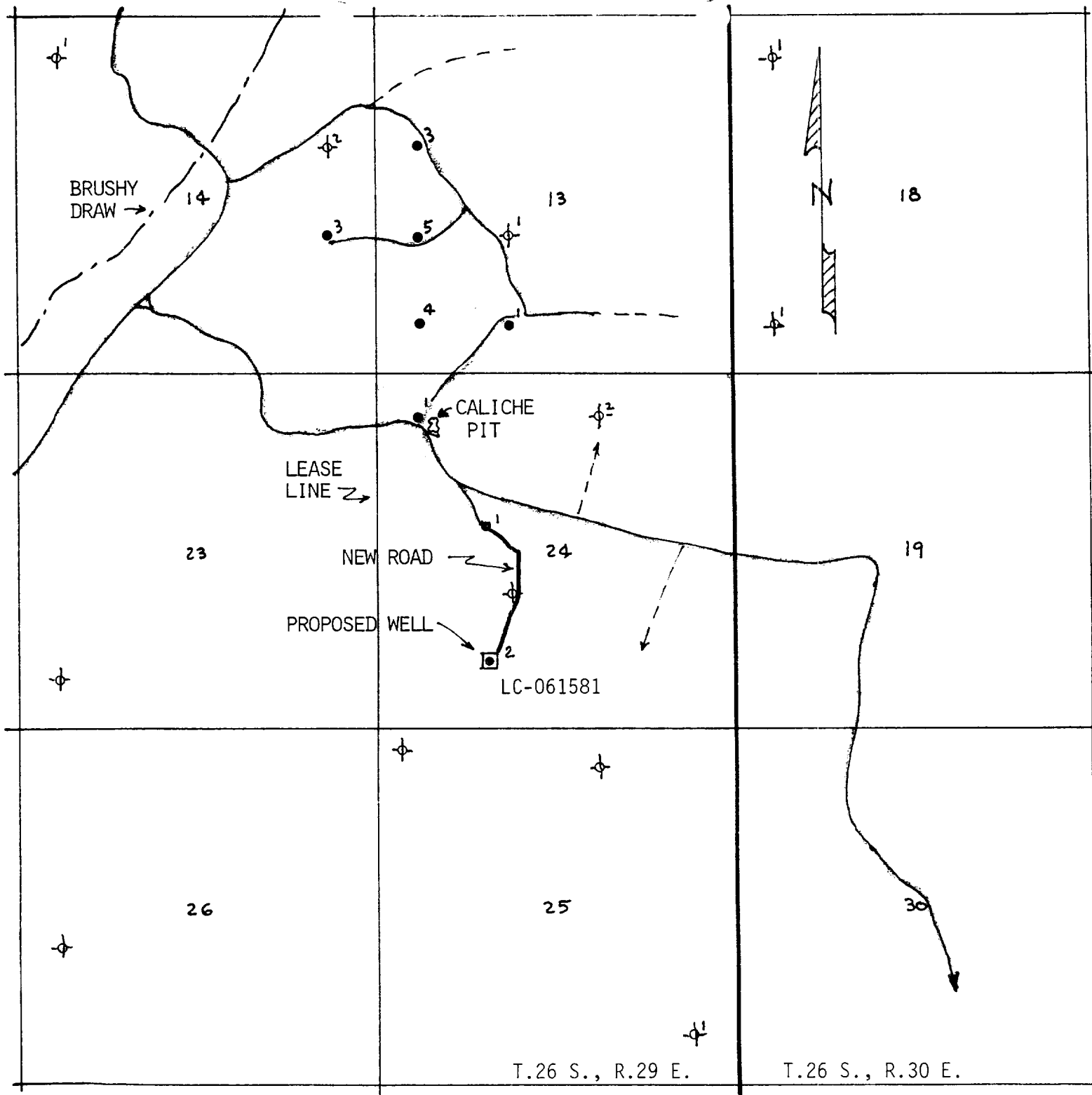
It is planned that a Gamma Ray - Sonic log will be run.

9. ABNORMAL PRESSURES, TEMPERATURES OR HYDROGEN SULFIDE GAS:

None anticipated.

10. ANTICIPATED STARTING DATE:

It is planned that drilling operations will commence as soon as approval is obtained. Duration of drilling and completion operations should be about 35 days.



LEGEND:

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

EXHIBIT "B"

FORD CHAPMAN AND ASSOCIATES  
 WELL NO. 2 GULF FEDERAL  
 990'FSL & 1650'FWL SEC.24, T.26 S., R.29 E.  
 EDDY COUNTY, NM SCALE: 1" = 2000'

FORD CHAPMAN AND ASSOCIATES  
WELL NO. 2 GULF FEDERAL

PROPOSED WELL SITE

POINT "A" —

THE Y. T. REEVES CO. LOVING COOL.