

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

2310' FNL and 1650' FWL OF SEC. 24

At proposed prod. zone

11. 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 drlg. unit line, if any)

1650'

18. DISTANCE FROM PROPOSED LOCATION*

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

1900'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

19. PROPOSED DEPTH

3300'

20. ROTARY OR CABLE TOOLS

Cable Tools

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

2977' GR

22. APPROX. DATE WORK WILL START*

12-1-79

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'	Circulate
6 1/2	4-1/2"	9.5# K-55	3300'	50 sacks

SEE ATTACHED FOR: SUPPLEMENTAL DRILLING DATA
DEVELOPMENT PLAN FOR SURFACE USE

30-015-23087
RECEIVED
LC-061581
DEC 6 1979
6. IF NEARBY ARLINGTON DESCRIBE NAME
7. UNIT AGREEMENT NAME
O.C.C.
ARTESIA, OFFICE
8. FARM OR LEASE NAME
GULF FEDERAL
9. WELL NO.
1
10. FIELD AND POOL, OR WILDCAT
BRUSHY DRAW DELAWARE
11. SEC., T., R., M., OR BLM.
AND SURVEY OR AREA
SEC. 24, T.26 S., R.29 E.
12. COUNTY OR PARISH
EDDY
13. STATE
NEW MEXICO

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 prevention program, if any.

24.

SIGNED

Ford Chapman

TITLE

Owner

DATE

11-5-79

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

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 FORD CHAPMAN AND ASSOCIATES ROBERT H. HARRIS AND ASSOCIATES		Lease Gulf Federal		Well No. 1
Tract Letter E	Section 24	Township 26 South	Range 29 East	County Eddy
Actual Well Location of Well: 2310 feet from the North line and 1650 feet from the West line				
Ground S'vce. Elev. 2976.9	Producing Formation DELAWARE	Pco. BRUSHY DRAW DELAWARE	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, **O.E.C.C.**

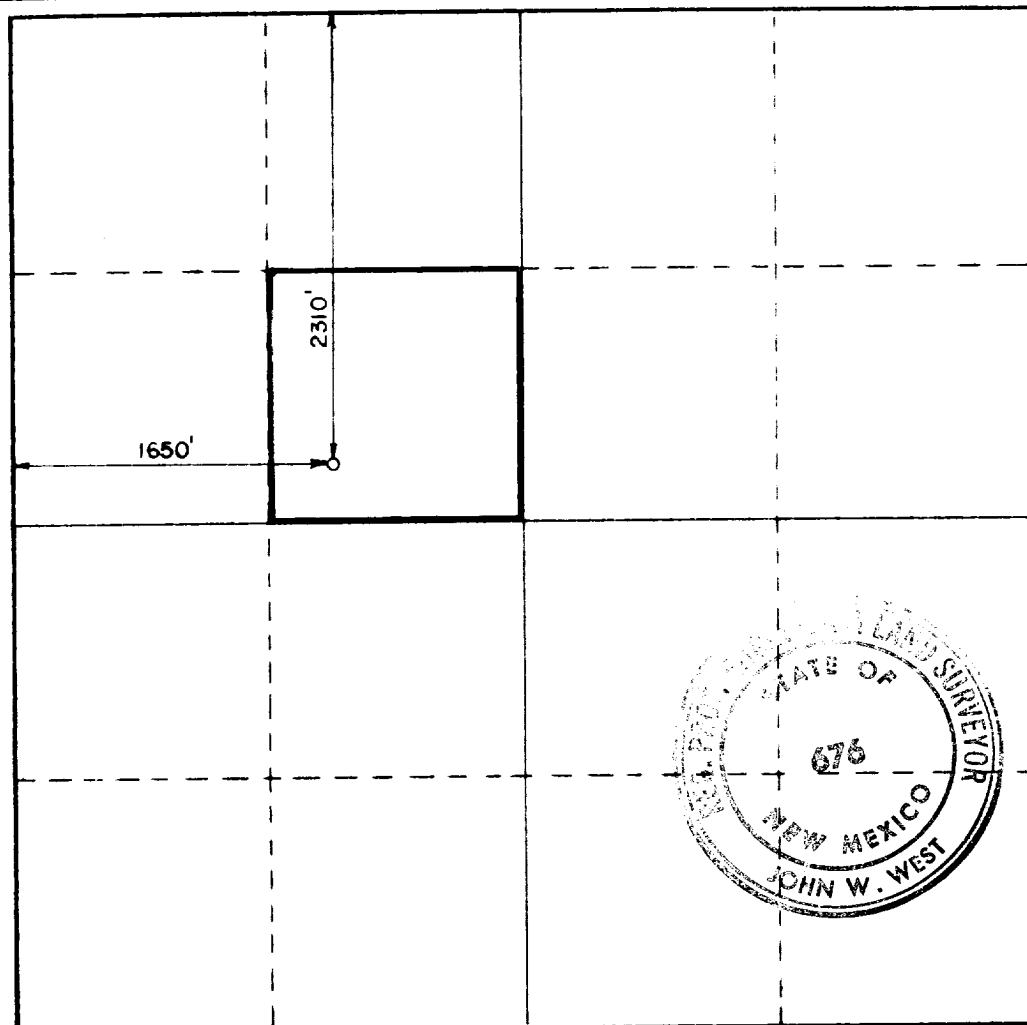
DEC 6 - 1979

ARTESIA, OFFICE

☐ 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 _____

Position _____

Owner

Company _____

FORD CHAPMAN AND ASSOCIATES

Date _____

11-5-79

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 10, 1979

Registered Professional Engineer
and/or Land Surveyor

John W. West
Certificate No. **John W. West** **676**
Ronald J. Eidson **3239**



N.M.O.C.D. CO

United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Drawer U
Artesia, New Mexico 88210

RECEIVED

DEC 6 - 1979

O. C. C.
ARTESIA, OFFICE

December 3, 1979

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

Gentlemen:

FORD CHAPMAN AND ASSOCIATES
Gulf Federal No. 1
2310 FNL 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. 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.
4. 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).
5. Cement behind the 10-3/4" casing must be circulated.
6. Pad should not be constructed any further down the west side slope. Pad should stop on the west side at the start of the downward slope. No fill should be used on the west downward slope (BLM).
7. 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

George H. Stewart
Acting District Engineer



SUPPLEMENTAL DRILLING DATA

FORD CHAPMAN AND ASSOCIATES WELL NO. 1 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 about 12-1-79.
Duration of drilling and completion operations should be about 30 days.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

FOR

FORD CHAPMAN AND ASSOCIATES
WELL NO. 1 GULF FEDERAL
2310'FNL & 1650'FWL SEC.24; T.26 S.,R.29 E.
EDDY COUNTY, NEW MEXICO

LOCATED: 15 air miles Southeast of Malaga, New Mexico.

FEDERAL LEASE NUMBER: LAS CRUCES 061581

LEASE ISSUED: June 1, 1949. Lease is in producing status.

RECORD LESSEE: Gulf Oil Corporation.

ACRES IN LEASE: 640.

SURFACE OWNERSHIP: Federal.

GRAZING PERMITTEE: Herman Lindley
P. O. Box 213
Mentone, Texas 79754

POOL: Brushy Draw Delaware. Statewide Rules.

EXHIBITS: A. General Road Map
B. Plat Showing Existing Wells and Existing Roads
C. Drilling Rig Layout

1. EXISTING ROADS:

- A. Exhibit "A" is a portion of a road map showing the location of the proposed well. Point "A" on the map is on US-285 approximately 13 miles south of Malaga, New Mexico, and between mileposts Nos.3 and 4. To reach the well site from this point, exit US-285 to the east-northeast on a paved road. There is a sign on the fence for the D. B. Baxter Ross Draw Unit. From this point, cross the railroad at 2.4 miles, the river bridge at 3.7 miles and pass a ranch house at 6.5 miles. About 0.5 mile past the ranch house turn south through a cattle guard. There is a sign here for the Ross Draw Unit. From this point cross Brushy Draw at 1.7 miles. The road forks at 1.8 miles - keep right. The road forks again at 2.3 miles - go left. There is a sign here for the Ross Draw Unit. Hankamer's well No. 1 Gulf Beaty will be at 3.4 miles. About 0.3 mile southeast of this well is the point where the proposed new road takes off from the existing road. The proposed well site is about 700 feet southeast of this point.
- B. Exhibit "B" is a plat showing existing roads in the vicinity of the well site. Existing roads are color coded blue.
- C. Any repairs to existing roads do not appear necessary at the present time.

2. PLANNED ACCESS ROAD:

- A. Length and Width: The new road will be 12 feet wide and approximately 600 feet long. The new road is labled and color coded red on Exhibit "B". The center line of the proposed new road, from the beginning to the well site, has been staked and flagged with the stakes being visible from any one to the next. The top soil is thin in the well site area and where portions of the new road will be. It is planned to blade off the top soil down to caliche in the pad area and for parts of the proposed road. Where the top soil is deeper and blading off is not practical the new road will be surfaced.
- B. Surfacing Material: Six inches of caliche, watered, compacted, and graded.
- C. Maximum Grade: Five percent.
- D. Turnouts: None required.
- E. Drainage Design: New road will have a drop of six inches from

the center on each side.

F. Culverts: None required.

G. Cuts and Fills: None necessary. only clearing and minor levelling will be required.

H. Gates and Cattle Guards: None required. No fences involved.

3. LOCATION OF EXISTING WELLS:

A. Existing wells in the immediate area are shown on Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

A. There has been previous development on this lease, however existing wells and facilities are owned by another operator.

B. If the proposed well is productive, the tank battery and flow line will be located on the well pad and no additional surface disturbance will be necessary.

5. LOCATION AND TYPE OF WATER SUPPLY:

A. It is not contemplated that a water well will be drilled. Water necessary for drilling will be purchased and hauled to the well site over existing and proposed roads shown on Exhibit "B".

6. SOURCE OF CONSTRUCTION MATERIALS:

A. There is a caliche pit approximately 0.3 mile northwest of the well site in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 24, T. 26 S., R. 29 E. Any caliche needed for surfacing the access road in excess of that which could be available at the well site will be taken from this pit.

7. METHODS OF HANDLING WASTE DISPOSAL:

A. Drill cuttings will be disposed of in the drilling pit.

B. Drilling fluid will be allowed to evaporate in the drilling pit until the pit is dry.

C. Water produced during tests will be disposed of in the drilling pit. Oil produced during tests will be stored in test tanks until sold.

D. Current laws and regulations pertaining to the disposal of human waste will be complied with.

- E. Trash, waste paper, garbage and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind. Location of the trash pit is shown on Exhibit "C".
- F. All trash and debris will be buried or removed from the well site within 30 days after finishing drilling and/or completion operations.

8. ANCILLARY FACILITIES:

- A. None required.

9. WELL SITE LAYOUT:

- A. Exhibit "C" shows the relative location and dimensions of the well pad, mud pit, trash pit, and the location of major rig components.
- B. Only minor levelling of the well site will be required. No significant cut and fill will be necessary.
- C. The pad and pit area has been staked and flagged.

10. PLANS FOR RESTORATION OF THE SURFACE:

- A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the well site in an as aesthetically pleasing condition as possible.
- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. After abandonment, all equipment, trash and junk will be removed and the location cleaned. Any special rehabilitation and/or special revegetation requirements of the surface management agency will be complied with and accomplished as expeditiously as possible.

11. OTHER INFORMATION:

- A. Topography: The land surface is relatively level. Regional slope is to the southwest.
- B. Soil: The top soil at the well site is a gravelly, loamy sand.
- C. Flora and Fauna: The vegetative cover is sparse and consists

of mesquite, grease wood, yucca, weeds and range grasses. Wildlife in the area is that typical of semi-arid desert land and includes coyotes, rabbits, rodents, reptiles, dove and quail.

- D. Ponds and Streams: The Pecos River is approximately three miles west of the proposed well site. Red Bluff Reservoir is approximately three miles southwest of the well site.
- E. Residences and Other Structures: There are no occupied dwellings or windmills within two miles of the proposed well site.
- F. Archaeological, Historical, and Other Cultural Sites: None observed in the area.
- G. Land Use: Grazing and hunting in season.
- H. Surface Ownership: Federal.

12. OPERATOR'S REPRESENTATIVE:


Representative responsible for assuring compliance with the approved Surface Use Plan is:

Ford Chapman
P.O. Box 2376
Midland, Texas 79702
Office Phone: 915-682-3217
Home Phone: 915-682-0318

13. 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 which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Ford Chapman and Associates and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

11-5-79
Date _____


Ford Chapman Owner

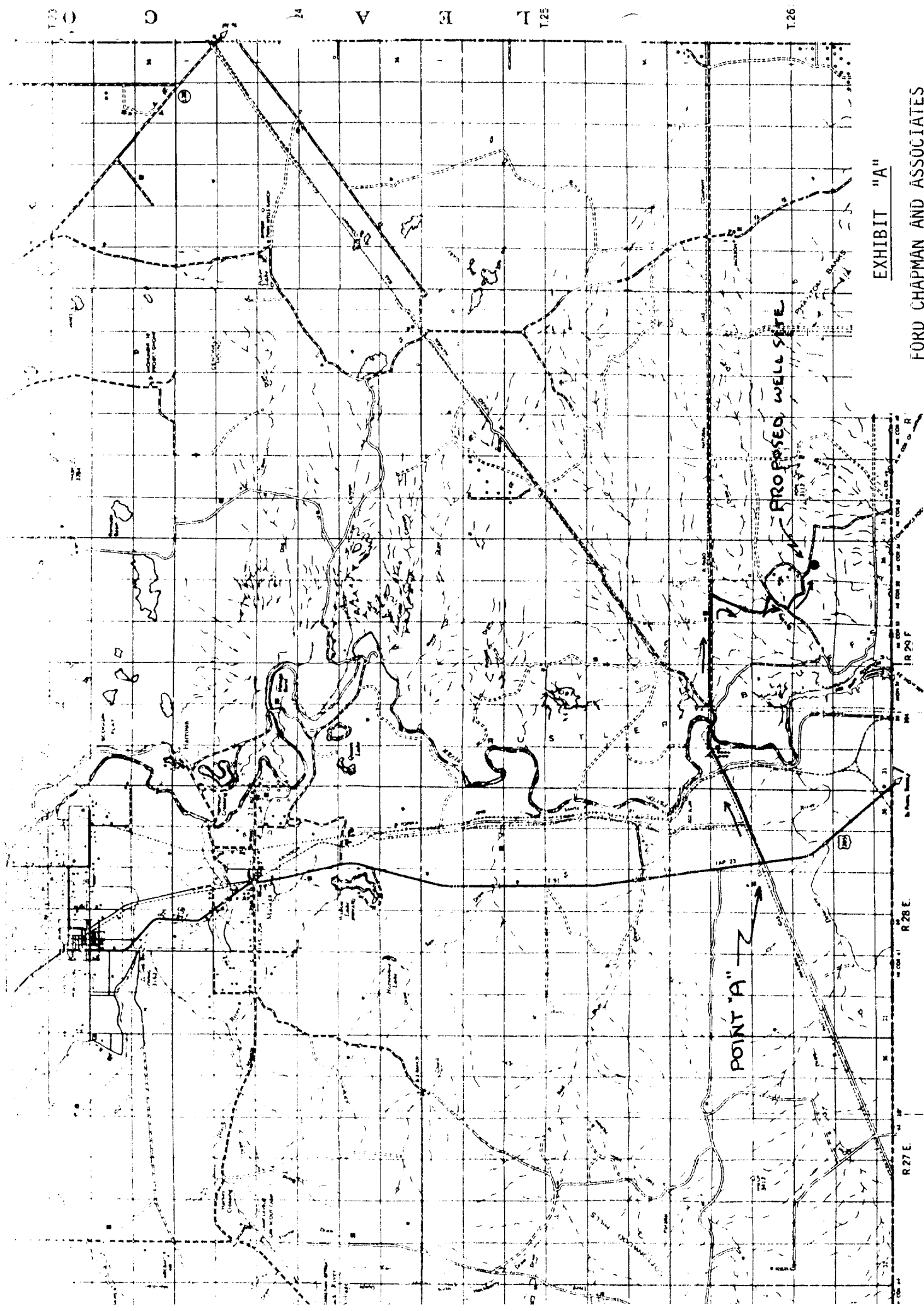
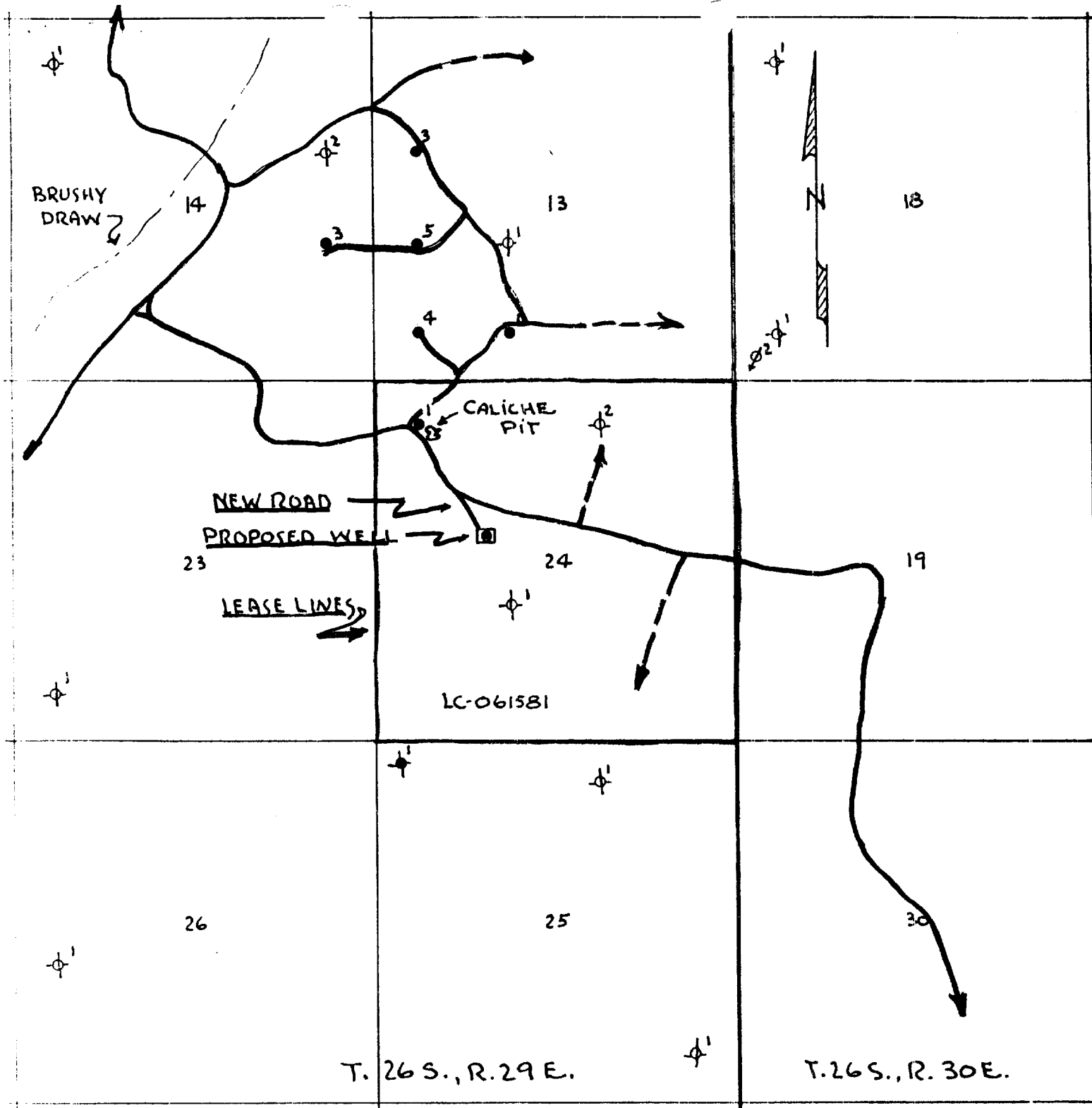


EXHIBIT "A"

FORD CHAPMAN AND ASSOCIATES
WELL NO. 1 GULF FEDERAL

REEVES CO. TEXAS



LEGEND:

- Proposed Well Location
- Oil Well
- ⊗ Disposal Well
- ⊕ Plugged Well
- Existing Roads
- == Proposed New Road

EXHIBIT "B"

FORD CHAPMAN AND ASSOCIATES
WELL NO. 1 GULF FEDERAL

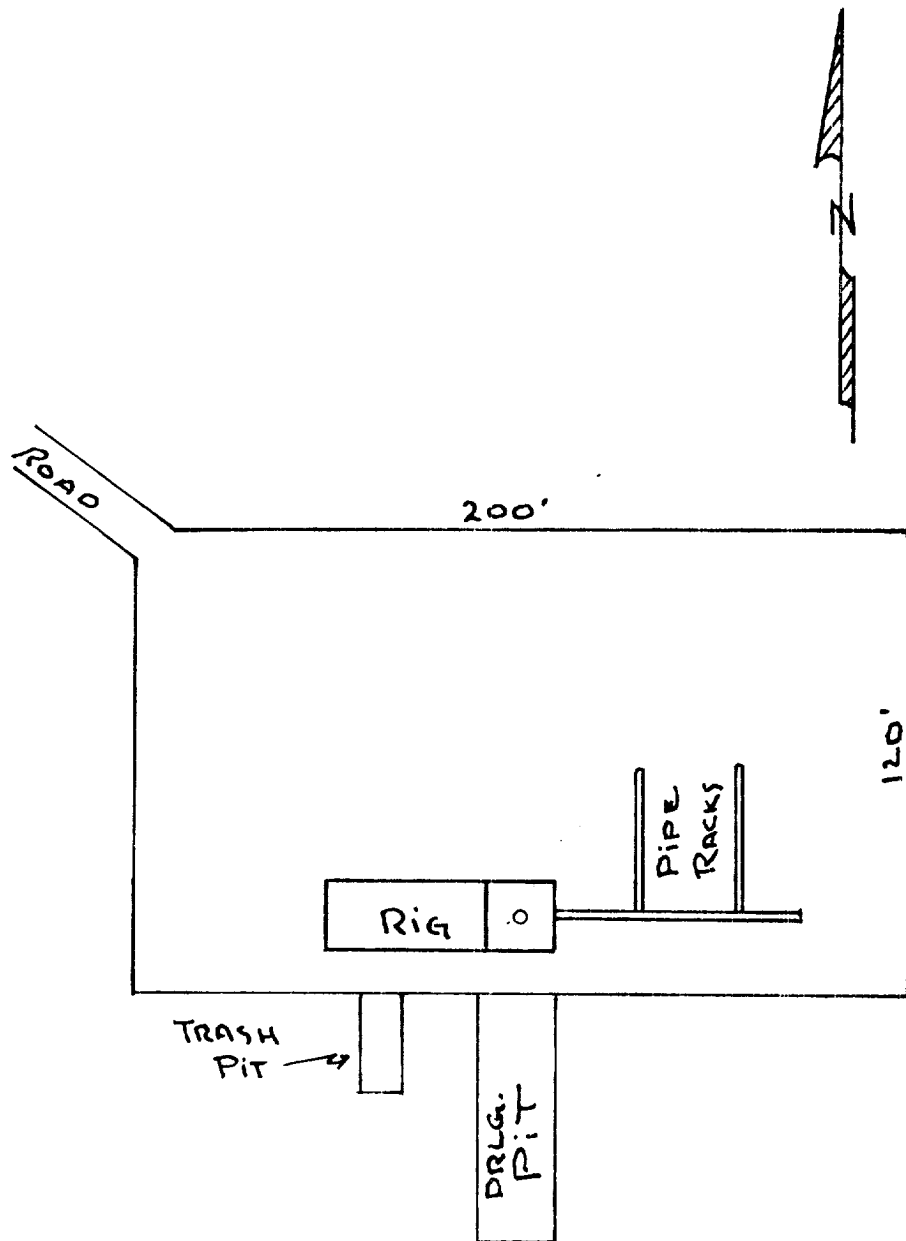


EXHIBIT "C"

FORD CHAPMAN AND ASSOCIATES
WELL NO. 1 GULF FEDERAL