

DENVER DISTRICT
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*

(Other in-
rever
long on
)Form approved.
Budget Bureau No. 42-R1425.

30-015-24057

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

Gulf Oil Corporation ✓

3. ADDRESS OF OPERATOR

P. O. Box 670, Hobbs, NM 88240

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

At surface

1980' FNL & 1980' FEL

At proposed prod. zone

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

7.6 miles from White City, NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any)18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

640

19. PROPOSED DEPTH

12,300'

17. NO. OF ACRES ASSIGNED

320

20. ROTARY OR CABLE TOOLS

Rotary

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

3501' GL

22. APPROX. DATE WORK WILL START*

2-28-82

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14"	10-3/4"	40.5#	1,800'	600 sx CIRCULATE
9-3/4"	7-5/8"	26.4#	8,700'	2100 sx
6-3/4"	5"	17#	12,300'	Determined by Caliper

Mud Program:

1800' 0' - 1800'
1800' 500' - 5,200'
5,200' - 12,300'

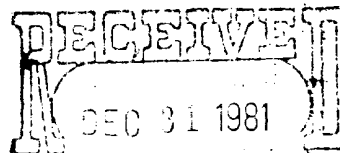
Fresh Water

Brine Water

Brine Water Polymer

See Attached BOP Drawings #2 & #4

Gas is Not Dedicated

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, 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 preventer program, if any.

24.

SIGNED

C. Marshall 12.30.81

TITLE

Area Production Manager

DATE

12-30-81

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL (If any):

JAN 7 1982

JAMES A. GILLHAM
DISTRICT SUPERVISOR

TITLE

DATE

*See Instructions On Reverse Side

MEXICO OIL CONSERVATION COMMISS. 1
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-112
Supersedes O-124
Effective 1-1-65

All distances must be from the outer boundaries of the Section

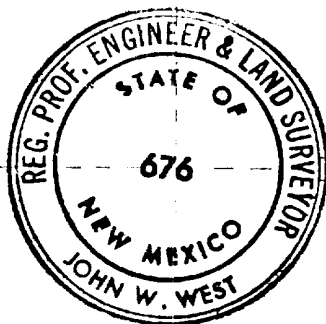
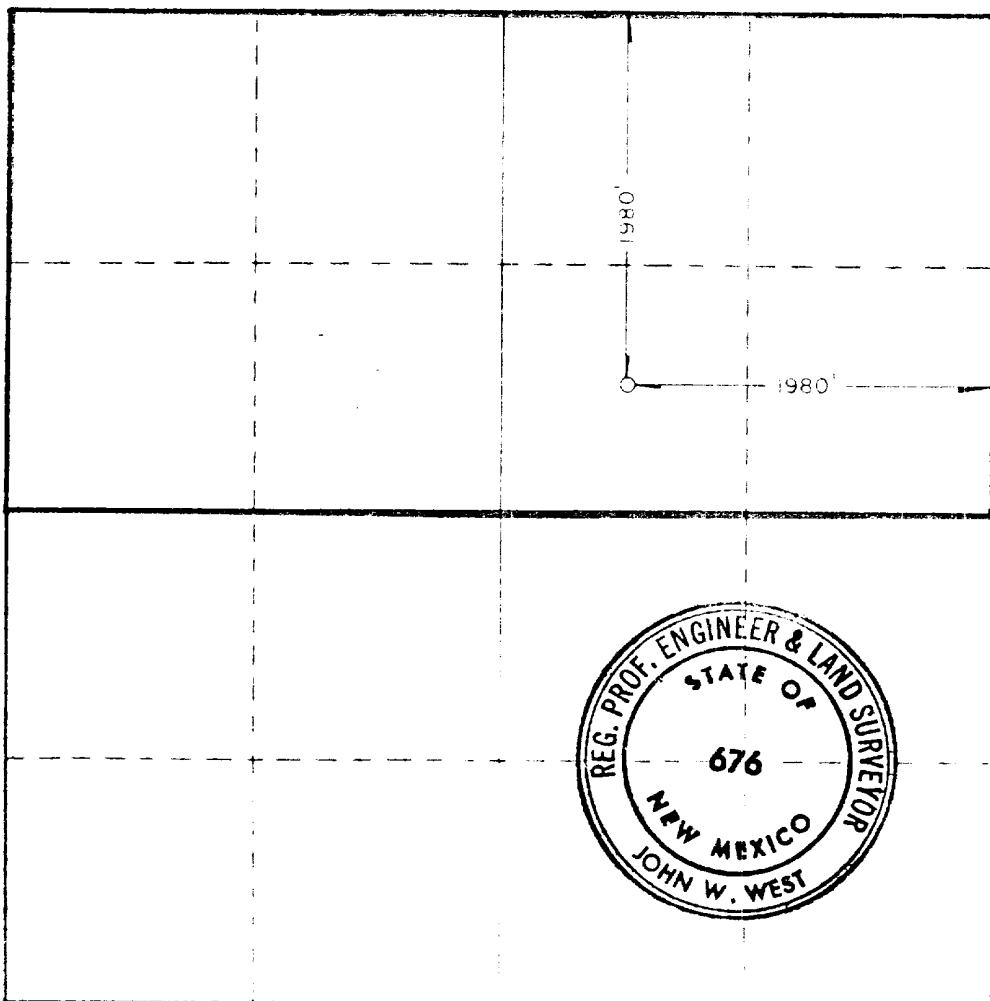
Operator Gulf Oil Company			Lease East Chosa Draw		Well No. 1
Unit Letter G	Section 22	Township 25 South	Range 25 East	County Eddy	
Actual Footage Location of Well: 1980 feet from the north line and 1980 feet from the east line					
Ground Level Elev. 3501.4	Producing Formation Morrow	Pool Wildcat	Dedicated Acreage 320		

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.

R. C. Anderson

By **R. C. Anderson**

In position

Area Production Manager

Company

Gulf Oil Corporation

Date

12-30-81

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.

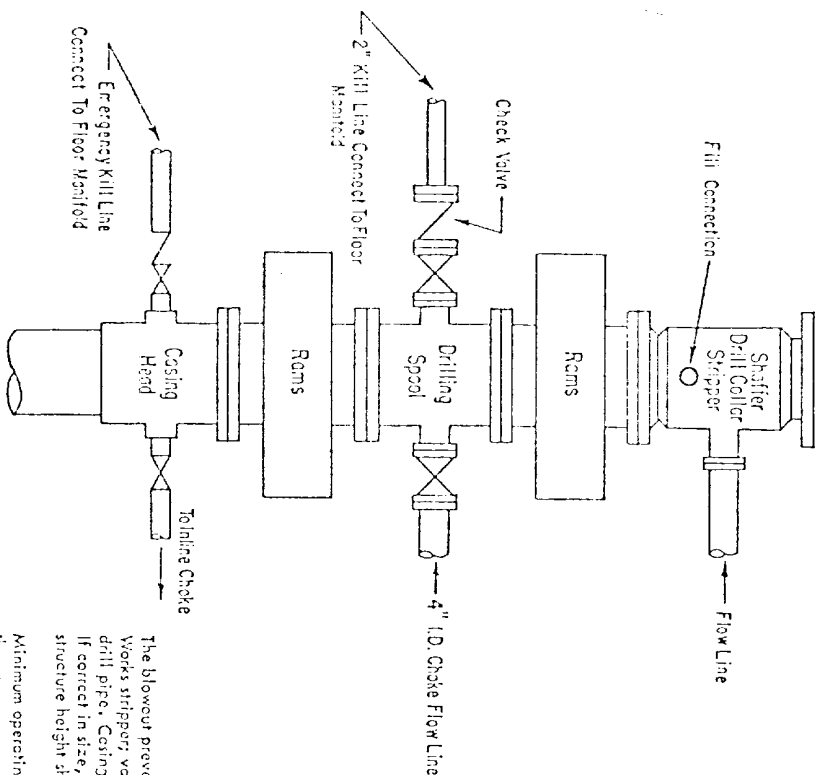
Date
12-4-81

and State of New Mexico, and I declare

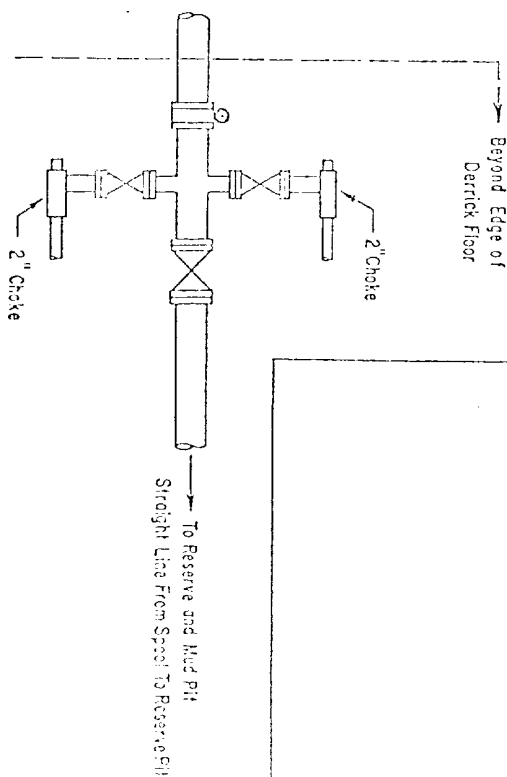
that I am a duly qualified

John W. West

Certified by **JOHN W. WEST** 676
PATRICK A. ROMERO 6662
RONALD J. F. 1900 1000



3000 PSI WORKING PRESSURE BLOWOUT PREVENTER HOOK-UP



ADDITIONS - DELETIONS - CHANGES
SPECIFY

The blowout preventer assembly shall consist of one blind ram preventer and one pipe ram preventer, both hydraulically operated, a Shafter Tool Works stripper valves, chokes and connections, as illustrated. If a tapered drill string is used, a ram preventer must be provided for each size of drill pipe. Casing and tubing rams to fit the preventers are to be available as needed. The ram preventers may be two single or a double type. If correct in size, the flanged outlets of the ram preventer may be used for connecting to the 4-inch I.D. choke flow line and kill line. The sub-structure height shall be sufficient to install a rotating blowout preventer.

Minimum operating equipment for the preventers shall be as follows: (1) Pump (s), driven by a continuous source of power, capable of closing all the pressure-operated devices simultaneously within _____ seconds. The pump (s) is to be connected to a closed type hydraulic operating system. (2) When requested, accumulators with a precharge of nitrogen of not less than 750 PSI and connected so as to receive a fluid charge from the above pump (s). With the charging pump (s) shut down, the pressurized fluid volume stored in the accumulators must be sufficient to close all the pressure-operated devices simultaneously within _____ seconds, after closure, the remaining accumulator pressure shall be not less than 1000 PSI with the remaining accumulator fluid volume of least _____ percent of the original. (3) When requested, an additional source of power, remote and equivalent, is to be available to operate the above pump (s), or there shall be an additional pump (s) operated by separate power and equal in performance capabilities.

The closing manifold shall have a separate control for each pressure-operated device. Controls are to be labeled, with control handles indicating open and closed positions. A pressure reducer and regulator must be provided if a Hydril preventer is used. Gulf Legion No. 33 hydraulic oil, or equivalent or better, is to be used as the fluid to operate the hydraulic equipment.

The choke manifold, choke flow line, and choke lines are to be supported by metal stands and securely anchored. The choke flow line and choke lines shall be constructed as straight as possible and without sharp bends. Every end-use access is to be maintained to its at the manifold. All valves are to be selected for operation in the presence of oil, gas and drilling fluids. The choke flow line valve connected to the drilling spool and all ram type preventers must be equipped with stem extensions, universal joints if needed, and hand wheels when are to extend beyond the edge of the derrick substructure. All other valves are to be equipped with handles.

Gulf Oil Exploration and Production Company

R. C. Anderson
PRODUCTION MANAGER, HOBBS AREA

December 30, 1981

P. O. Box 670
Hobbs, NM 88240

U. S. Geological Survey
P. O. Drawer 1857
Roswell, New Mexico 88201

Gentlemen:

The following is Gulf Oil Corporation's plan for surface restoration associated with the drilling of our East Chosa Draw Federal Well #1, to be located 1980' from the north line and 1980' from the east line of Section 22, Township 25 South, Range 25 East, Eddy County, New Mexico.

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 as aesthetically pleasing condition as possible. Any unguarded pits containing fluids will be fenced until they are filled.

After abandonment of the well, surface restoration will be in accordance with the agreement with the surface owner. Pits will be filled and the location will be cleaned. The pit area, well pad and all unneeded access roads will be ripped to promote revegetation. Rehabilitation should be accomplished within ninety (90) days after abandonment.

Yours very truly,

C. L. Morrill
C. L. Morrill 12-30-81

KRP/jr

Subscribed and sworn to before me this 31st day of December, 1981.

L. L. L.

3-20-88



A DIVISION OF GULF OIL CORPORATION

Gulf Oil Exploration and Production Company

R. C. Anderson
PRODUCTION MANAGER, HOBBS AREA

December 30, 1981

P. O. Box 670
Hobbs, NM 88240

Re: Application for Permit to Drill
East Chosa Draw Federal #1,
Eddy County, New Mexico

U. S. Geological Survey
P. O. Drawer 1857
Roswell, New Mexico 88201

Gentlemen:

We are submitting the information requested in NTL-6 which should accompany application for permit to drill.

Well: East Chosa Draw Federal Well No. 1

- (1) Location: 1980' FNL & 1980' FEL, Section 22-T25S-R25E, Eddy County, New Mexico
- (2) Elevation of Unprepared Ground: 3501' GL
- (3) Geologic Name of Surface Formation: Quarternary Alluvium
- (4) Type Drilling Tools: Rotary
- (5) Proposed Drilling Depth: 12,300'
- (6) Estimated Tops of Geologic Markers: Castile 0', Cherry Canyon 2400', Brushy Canyon 3500', Bone Springs Limestone 5000', 1st Bone Springs 5800', 2nd Bone Springs 6400', 3rd Bone Springs 7700', Cisco 9300', Canyon 9500', Strawn 9900', Atoka 10,100', Morrow Limestone 10,300', Morrow Clastic 10,940', Chester 11,600', Barnett 11,700', Mississippi Lime 11,810'
- (7) Estimated Depths at which Anticipated Gas or Oil-Bearing Formations Expected: Brushy Canyon 3500', 1st Bone Springs 5800', Canyon 9500', Morrow Clastic 10,940'
- (8) Casing Program and Setting Depths:

	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Depth</u>
Surface	10-3/4"	40#	H-40	1,800'
Intermediate	7-5/8"	26.4#	N-80	8,700'
Production	5" Liner	15.0#	N-80 X-Line	12,300'



A DIVISION OF GULF OIL CORPORATION

December 30, 1981

- (9) Casing Setting Depth and Cementing Program:
- (a) Surface casing will be set at 1800' and cemented with 800 sacks of Class "C" cement.
 - (b) Intermediate casing will be set at 8700' and cemented with 800 sacks of Class "C" cement.
 - (c) Production liner will be set at 12,300' and cemented with Class "H" cement (volume to be determined by the caliper log).
- (10) Pressure Control Equipment: The minimum specifications for pressure control equipment can be seen on the attached Drawing #4 of Gulf's Blowout Preventer Hook-Up for 5000 psi working pressure.
- (11) Circulating Media:
- | | |
|------------------|---|
| 0' - 1,800' | Fresh Water Spud Mud |
| 1,800' - 8,700' | Salt Water Polymer 10# 34-36 vis |
| 8,700' - 12,300' | Salt Water KCL Polymer Water Loss @ 4cc |
- (12) Testing, Logging and Coring Programs:
- (a) Formation testing may be done at any depth where samples, drilling rate or log information indicate a possible show of oil or gas.
 - (b) Open hole logs will be run prior to running casing at total depth.
 - (c) Coring is not planned.
- (13) Abnormal Pressure or Temperature and Hydrogen Sulfide Gas: We do not anticipate any abnormal pressure or temperature. BOP will be installed according to attached BOP Drawing #4.
- The presence of hydrogen sulfide gas is not anticipated.
- (14) Anticipated Starting Date: Drill operations should start February 28, 1982.
- (15) Other Facets of the Proposed Operation: None

Yours very truly,

R. C. Anderson
for R. C. Anderson
Area Production Manager

KRP/jr

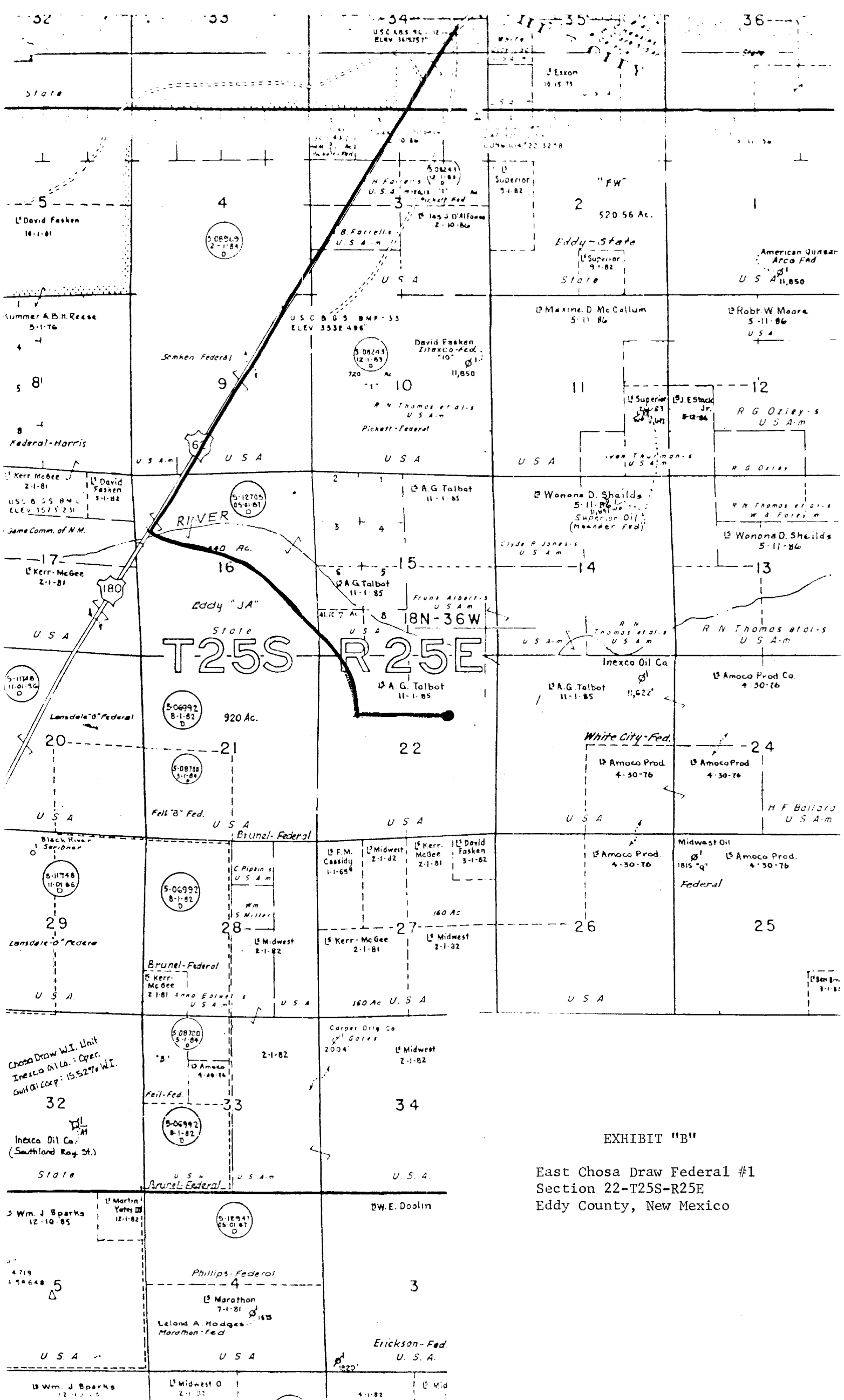


EXHIBIT "B"

East Chosa Draw Federal #1
Section 22-T25S-R25E
Eddy County, New Mexico

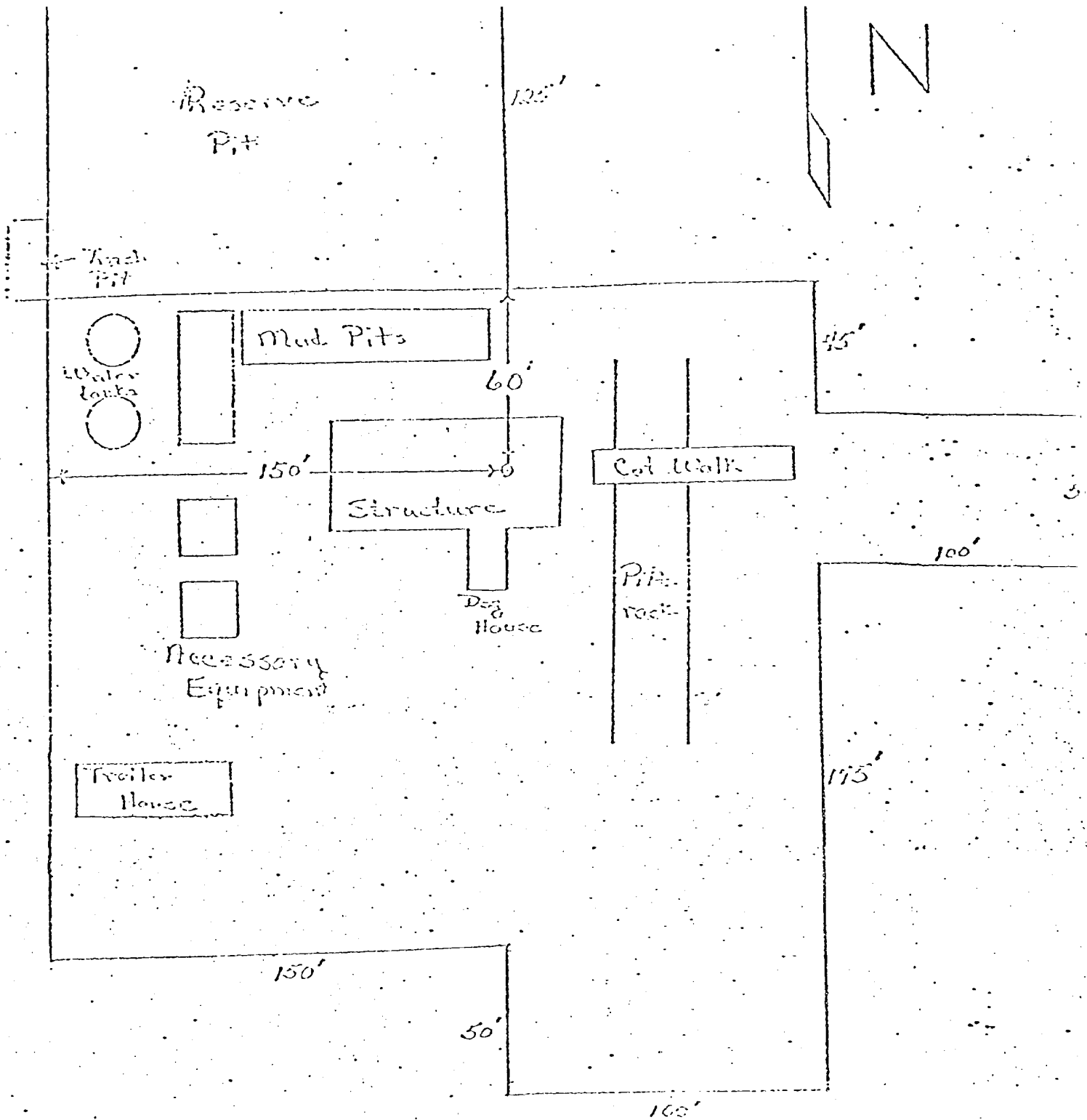


EXHIBIT "D"

East Chose Draw Federal #1
 Section 22-T25S-R25E
 Eddy County, New Mexico