

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

H. L. Brown, Jr.

3. ADDRESS OF OPERATOR

P. O. Box 2237, Midland, Texas 79701

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

660' FN & EL, Sec. 26, T-14-S, R-35-E

At proposed prod. zone

Same

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

8 miles north of Lovington, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 660'

16. NO. OF ACRES IN LEASE

160

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.

19. PROPOSED DEPTH

10,700

20. ROTARY OR CABLE TOOLS

Rotary

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

3936' GR

22. APPROX. DATE WORK WILL START*

11-7-76

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	12 3/4" OD	49#	400'	500 SX
11"	8 5/8" OD	24 & 32#	4650'	1300 SX
7 7/8"	5 1/2" OD	15.5 & 17#	10,700'	700 SX

(SEE ATTACHED EXHIBITS)

Unless Drilling Operations have
Commenced, this drilling approval
Expires 2-4-77SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

J. L. McGill

J. L. McGill

TITLE

Drilling & Production Mgr. DATE Oct. 15, 1976

(This space for Federal or State office use)

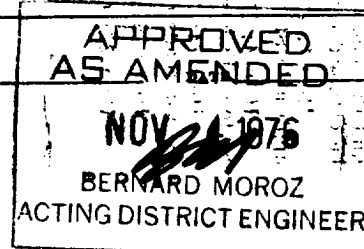
PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:



*See Instructions On Reverse Side

RECEIVED

NOV 1973
OIL FIELD
MIDDS. N. M.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PL.

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

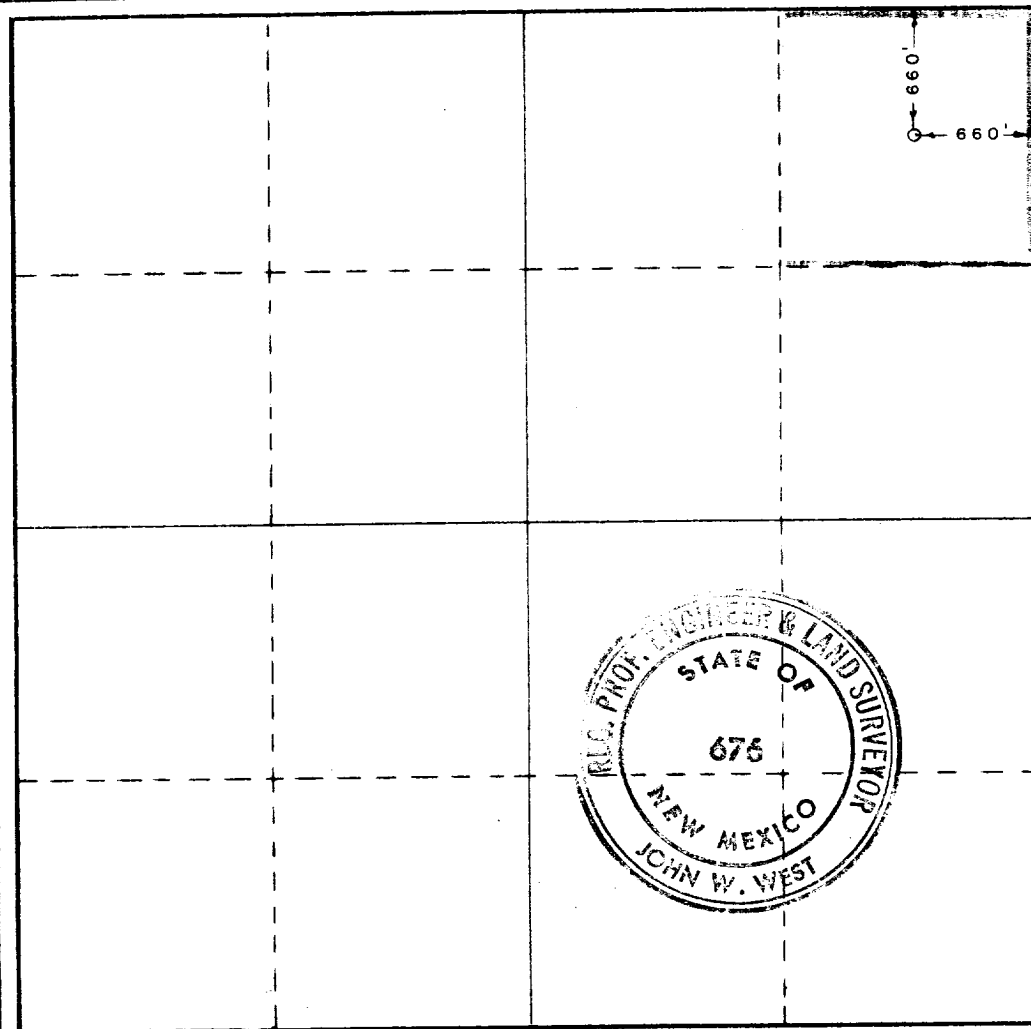
Operator H. L. BROWN, JR.		Lease Federal 26		Well No. 1
Unit Letter A	Section 26	Township 14 South	Range 35 East	County Lea
Actual Footage Location of Well: 660 feet from the north line and 660 feet from the east line				
Ground Level Elev. 3986.2	Producing Formation WOLF CAMP	Pool WC	Dedicated Acreage: Acre	

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

Name **J. L. McGill**

Position **Drilling & Prod. Mng.**

Company **H. L. BROWN, JR.**

Date **October 15, 1976**

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 **Sept. 22, 1976**

Registered Professional Engineer and/or Land Surveyor

Certificate No.

676

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

H. L. BROWN, JR.
323 WEST MISSOURI
POST OFFICE BOX 2237
MIDLAND, TEXAS 79701
915 683-5216

October 14, 1976

United States Geological Survey
Post Office Box 1157
Hobbs, New Mexico 88240

Re: H. L. Brown, Jr., Federal "26" #1
Lea County, New Mexico

Gentlemen:

In order to comply with NTL-6, the following information is presented below to accompany the attached Form 9-331C on the subject well.

1. The geologic name of the surface formation is Ogallala.
2. The estimated tops of important geologic markers are as follows:

Rustler	2009'	Three Brothers	10,300'
Yates	3080'	Bursum Reef	10,550'
San Andres	4550'	Cisco	10,850'
Abo	8200'		
Wolfcamp	9750'		

3. The estimated depths at which anticipated water, oil, gas and other mineral-bearing formation's are expected to be encountered are as follows:

Water	None anticipated
Oil	Bursum Reef at 10,550'
Gas	Associated gas in Bursum Reef at 10,550'
Other Minerals	None anticipated

4. The proposed casing program is as follows:

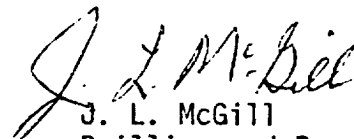
<u>SIZE</u>	<u>GRADE</u>	<u>WEIGHT/FOOT</u>	<u>NEW OR USED</u>	<u>DEPTH</u>
12 3/4"	X-42	49#	New	400'
8 5/8"	K-55	24#&32#	New	4650'
5 1/2"	J-55&N-80	15.50&17#	New	10700'

RECEIVED

JUN 19 1976
OIL & GAS DIVISION
HOBBS, N. M.

5. Minimum specifications for pressure control equipment to be used are as follows: 3000 psi working pressure,
Double Stack with pipe ram in upper
and blind rams in lower stack,
Adapter spool under the BOP's to
have kill line on one side with check
valve and ball valve, and choke manifold
on other side with bleed-off line.
(see attached diagram)
6. The types and characteristics of the proposed circulating medium are as follows:

0 - 9500	Fresh water
9500 - 10700	9.0#/gal gel with viscosity of 40; lower fluid loss with starch
7. The auxiliary equipment to be used is as follows:
 - (1) Kelly cock - in mud line above swivel,
 - (2) Floats at the bit - none planned,
 - (3) Monitoring equipment on the mud system - no automatic system planned; will use visual testing and inspection by rig and mud company personnel,
 - (4) A sub will be on the floor with full opening valve to be stabbed into drill pipe when the kelly is not in the string.
8. There will be no coring in this well. It is anticipated that up to three drill stem tests in the Bursum Reef at 10,550' will be necessary to adequately evaluate the zone for commercial hydrocarbons. Open hole logs will be made from 8 5/8" casing base to total depth (4650'-10,700') as follows: Density-Neutron, Dual Induction Laterolog (with Gamma Ray to surface), and Dip Meter on bottom 1,000'; all by Schlumberger. A cased hole Gamma Ray-Neutron survey will be necessary provided a completion attempt is made.
9. There are no anticipated abnormal pressures or temperatures to be encountered. Should hydrogen sulfide gas be unexpectedly encountered, a plan is posted at the rig (MGF Drilling Company of Midland, Texas) to handle such emergency and rig personnel are reviewed periodically on these procedures.
10. The anticipated starting date is November 15, 1976 and the drilling operations should cease on or about December 15, 1976. Completion of the well should be accomplished by December 25, 1976.

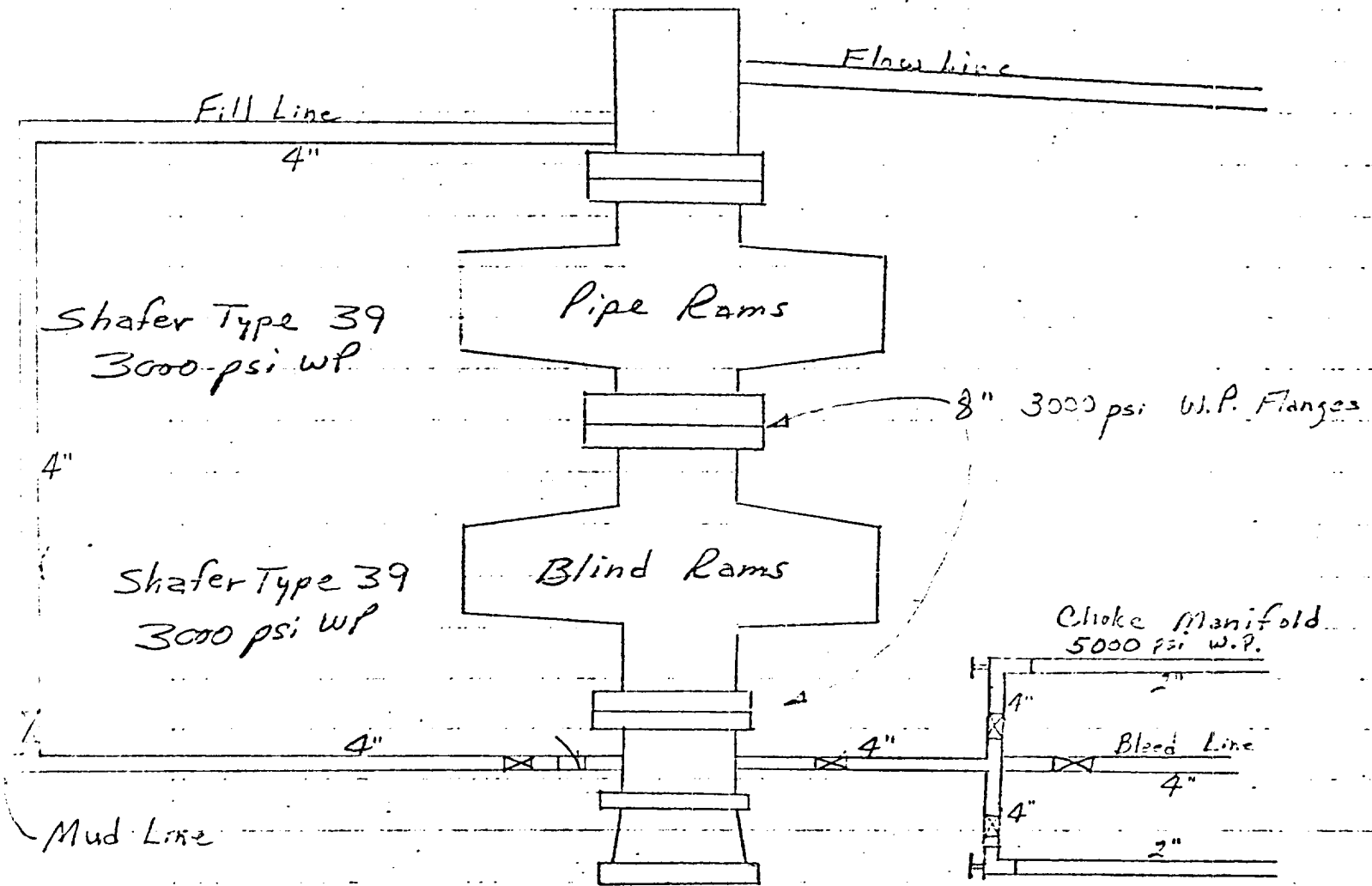

J. L. McGill
Drilling and Production
Manager

Encl.
JLMc:jsd

RECEIVED

1975
OIL SURVEILLANCE
HOBBS, N. M.

H.L. Brown, Jr.
 Federal 26, Well No. 1
 Sec. 26, T-14-S, R-35-E; Lea Co., N. Mex.
 Blow Out Preventor Diagram



Blind Rams are tested daily w/ DP out of hole;
 Pipe Rams are tested daily w/ DP in hole;
 Additional tests are made after cementing surface & intermediate
 casing strings.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

H. L. BROWN, JR.
WELL NO. 1 FEDERAL "26"
660' FNL and EL Sec. 26, 14-S, 35-E
Lea County, New Mexico
Lease New Mexico 25368

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal can be made of the environmental effects associated with the operation.

1. EXISTING ROADS:

- A. Exhibit "A" is a portion of a highway map showing the location of the proposed well as staked. Proceed eight (8) miles due north of Lovington on County Road C-103 to County Road C-108. Turn left (west) on C-108 a distance of 1 1/8 miles to the point where the planned access road leaves C-108 as staked and flagged. All roads within a mile of the proposed well location are shown on Exhibit "A".
- B. Exhibit "B" is a plat showing all wells within a one-mile radius of the wellsite, and the planned access road. Also shown, are locations of the caliche pit, nearest dwellings and water wells.
- C. There are no plans to improve or repair any of the existing roads.

2. PLANNED ACCESS ROADS:

- A. Length and Width: New road required will be 12 feet wide and 660 feet long. This new road is labeled and color coded red on Exhibit "B". The center line of the proposed new road from the beginning to the wellsite, has been staked and flagged with the stakes being visible from any one to the next.
- B. Surfacing Material: Six inches of caliche, water, compacted and graded.
- C. Maximum Grade: Three percent.

- D. Turnouts: No turnouts will be necessary on this short addition of access road.
- E. Drainage Design: New road will have a drop of 6 inches from center line on each side.
- F. Culverts: None required.
- G. Cuts and Fills: None required.
- H. Gates, Cattleguards: No gates or cattleguards are required.

3. LOCATION OF EXISTING WELLS:

- A. Existing wells within a one-mile (plus) radius are shown on Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

- A. There is no tank battery, flow lines nor any other existing equipment on this lease owned by H. L. Brown, Jr.
- B. If the well is productive, the tank battery and flow line will be located on the well pad and no additional surface disturbance will occur.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Water for drilling will be purchased from Mr. M. J. Wiggins, from a water well located one mile east of the proposed location. The water line will be laid along the access road C-108, to the proposed well so that additional surface area is not disturbed. The line will be removed after drilling is completed.

6. SOURCE OF CONSTRUCTION MATERIALS:

- A. Caliche for surfacing the road and the well pad will be obtained from an existing pit in NW/4, NW/4, Section 25, T-14-S, R-35-E, approximately 1000 feet east of the proposed well location. The pit is on land owned by Mr. M. J. Wiggins Lovington, New Mexico. Location of the pit is shown on Exhibit "B".

7. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cuttings will be disposed of in the drilling pits.

- B. Drilling fluids will be allowed to evaporate in the drilling pits until pits are dry.
- C. Water produced during tests will be disposed of in the drilling pits. 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 soil. All waste material will be contained to prevent scattering by the wind. Location of 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. ANCILLERY FACILITIES:

- A. None required.

9. WELLSITE LAYOUT:

- A. Exhibit "C" shows the relative location and dimensions of the well pad, mud pits, reserve pit, trash pit and location of major rig components.
- B. Only minor levelling of the wellsite will be required. No significant cuts and fills will be necessary.
- C. The reserve pit will be plastic lined.
- D. 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 location cleaned of all trash and junk to leave the wellsite in an aesthetically pleasing condition as possible.

- B. Any unguarded pit containing fluids will be fenced until they are filled.
- C. After abandonment of the well, surface restoration will be in accordance with the agreement with the surface owner. Pits will be filled and location will be cleaned. The pit area, well pad, and all unneeded access road will be ripped to promote revegetation. Rehabilitation should be accomplished within 90 days after abandonment.

11. OTHER INFORMATION:

- A. Topography: Land surface is undulating to gently rolling and dunny. From an elevation of 3986 feet at the wellsite, the land surface slopes gently toward the South at about 30 feet per mile.
- B. Soil: Soil is a thin, rocky caliche underlain by solid caliche.
- C. Flora and Fauna: The vegetative cover is generally sparse and consists of cactus and perennial native 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: There are no rivers, streams, lakes or ponds in the area.
- E. Residences and Other Structures: The nearest occupied dwellings are located approximately 1000 feet North of the proposed well location, across County Road C-108; and consists of a small wood frame house and a mobile home. The nearest operating water well is located at these dwellings.
- F. Archeological, Historical and Cultural Sites: None observed in the area.
- G. Land Use: Grazing and hunting in season.
- H. Surface Ownership: Wellsite and the new road are on surface owned by Mr. Henry Lawson Monteith.

12. OPERATOR'S REPRESENTATIVES:

The field representatives responsible for assuring compliance with the approved surface use and operations plan are as follows:

J. L. McGill
Harold Dumas

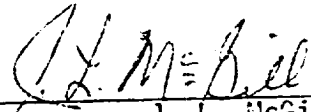
(915) 697-1539 (home)
(915) 697-1403 (home)

Both above are officed at 323 W. Missouri, Midland, Texas
79701 (915) 683-5216

13. CERTIFICATION:

I hereby certify that I or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this 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 H. L. Brown, Jr. and his contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

October 15, 1976
Date



J. L. McGill
Drilling & production Manager

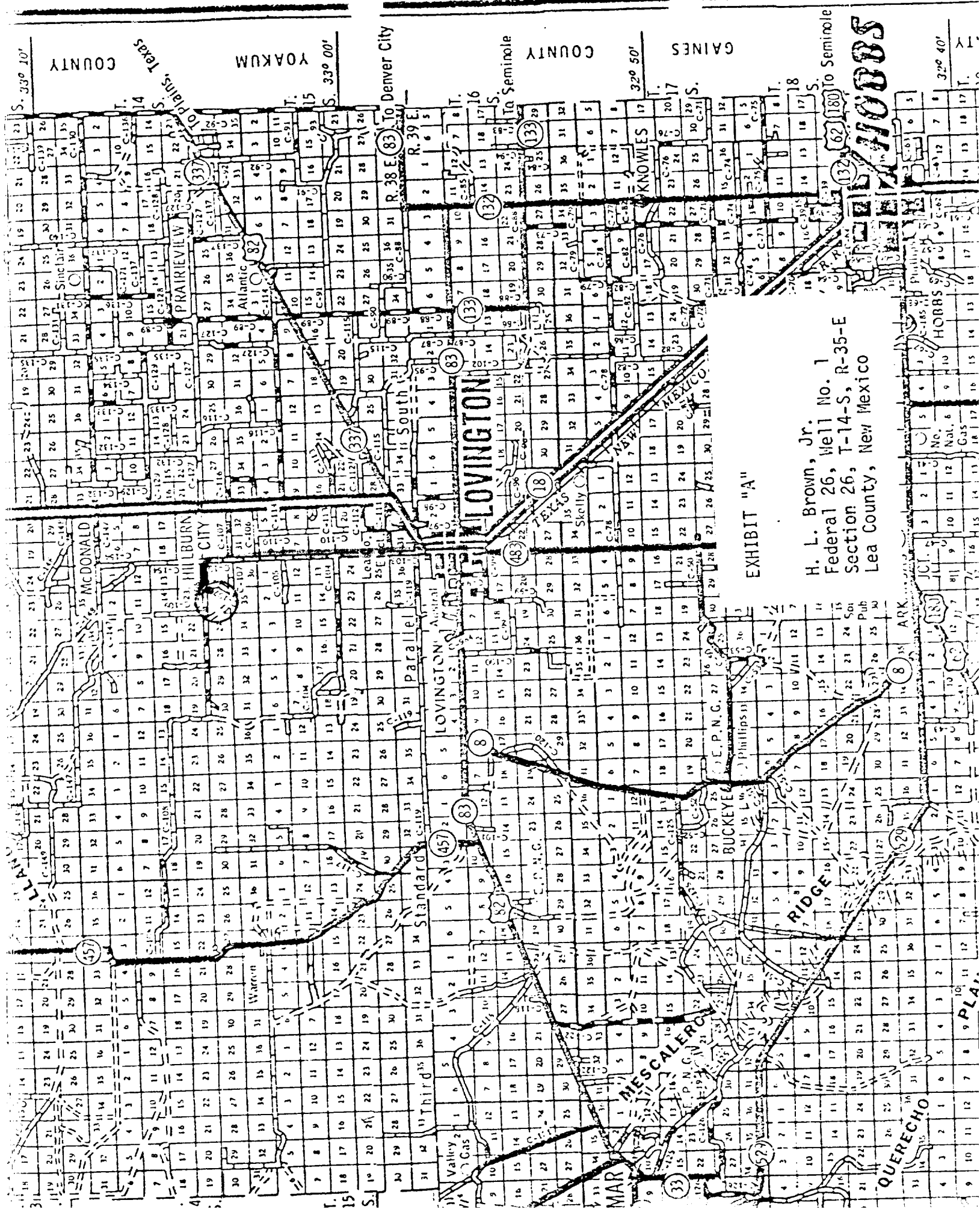


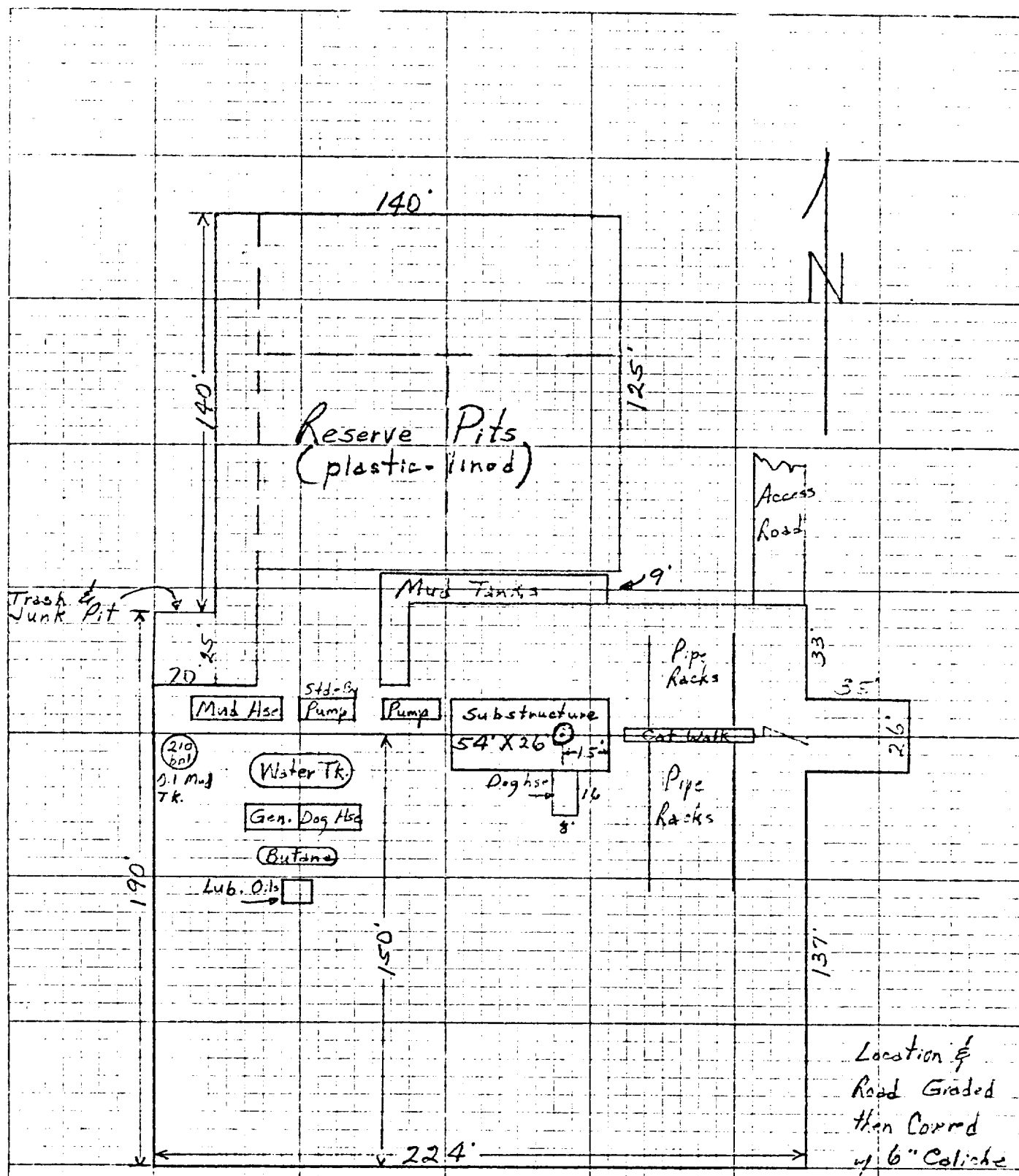
EXHIBIT "A"

H. L. Brown, Jr.
Federal 26, Well No. 1
Section 26, T-14-S, R-35-E
Lea County, New Mexico

MOHOBBS

PLA

[illegible]



Contractor: M-G-F Drilling Co.

1126 Vaughn Bldg.
Midland, Tx. 79701

1" = 50' 10-4-76

Exhibit "C"
Rig & Location Layout
H. L. Brown, Jr.'s Federal "26"
No. 1; Lea County, N. Mex.