

30-005-61411

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

c/SF

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

CLEMENTS ENERGY, INC.

3. ADDRESS OF OPERATOR

P.O. BOX 7924, MIDLAND, TEXAS 79703

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

1650' FSL AND 2210' FWL OF SECTION 24

At proposed prod. zone

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

4 MILES NORTHEAST OF HAGERMAN, NEW MEXICO

15. DISTANCE FROM PROPOSED*

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

890'

16. NO. OF ACRES IN LEASE

1120

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

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

-

19. PROPOSED DEPTH

7150

20. ROTARY OR CABLE TOOLS

ROTARY

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

3500.3

22. APPROX. DATE WORK WILL START*

UPON APPROVAL

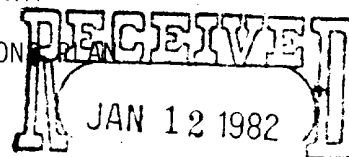
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	54.5# H-40	250	SUFFICIENT TO CIRCULATE
12-1/4"	8-5/8"	24# K-55	1350	SUFFICIENT TO CIRCULATE
7-7/8"	5-1/2"	15.5#&17# K-55	7150	250 SACKS

PRODUCING ZONE WILL BE PERFORATED AND STIMULATED AS NECESSARY.

SEE ATTACHED FOR: SUPPLEMENTAL DRILLING DATA
BOP SKETCH
SURFACE USE AND OPERATION



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

Arthur R. Brown

Arthur R. Brown

TITLE

Agent for
CLEMENTS ENERGY, INC.

DATE JANUARY 8, 1982

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

FEB 18 1982

JAMES A. GILLHAM
DISTRICT SUPERVISOR

*See Instructions On Reverse Side

APPROVAL DATE

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

DATE

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

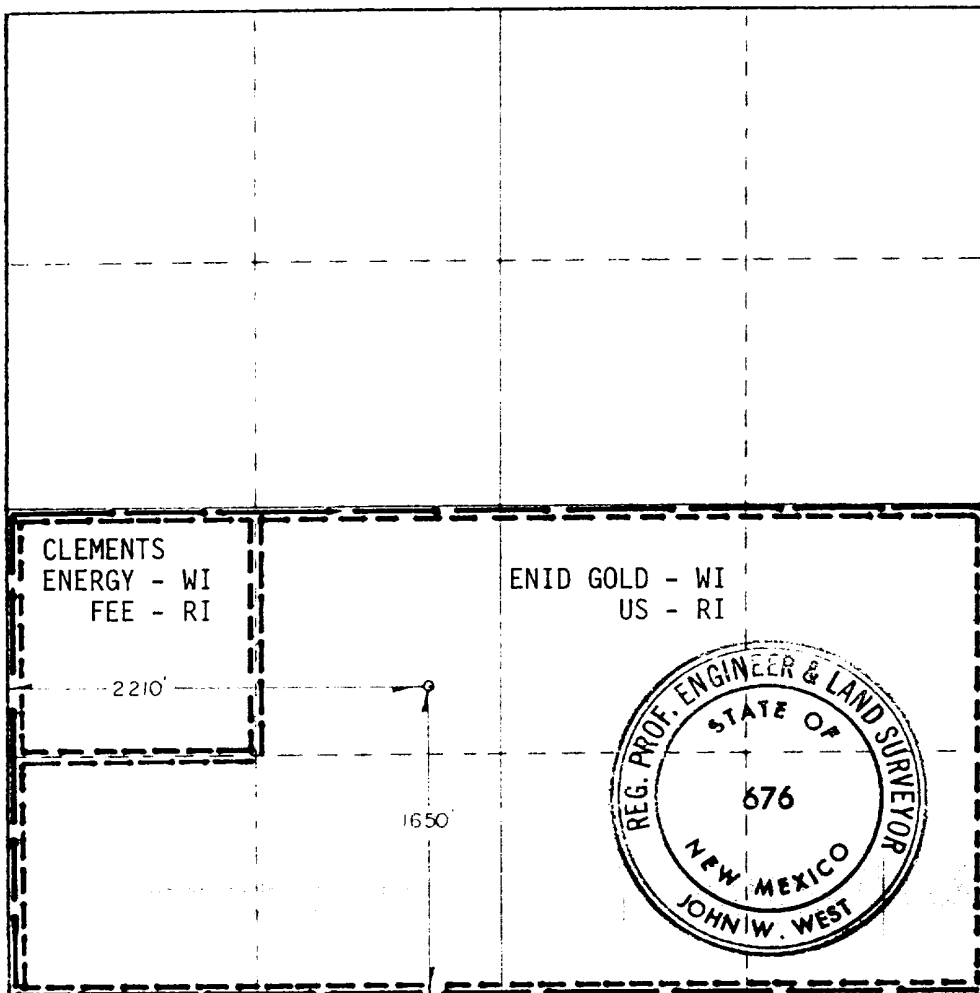
Operator CLEMENTS ENERGY INC.			Lease FEDERAL 24		Well No. 1
Tract Letter K	Section 24	Township 13 South	Range 26 East	County Chaves	
Actual Footage Location of Well: 1650 feet from the South line and 2210 feet from the West line					
Ground Level Elev. 3500.3	Producing Formation MORROW		Pool WILDCAT <i>Morrow</i>	Dedicated Acreage: 320 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 TO BE COMMUNITIZED IF PRODUCTIVE

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.

Arthur R. Brown
Arthur R. Brown

Position

Agent for

Company

CLEMENTS ENERGY, INC.

Date

JANUARY 7, 1982

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

Nov. 25, 1981

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 6863

SUPPLEMENTAL DRILLING DATA

CLEMENTS ENERGY, INC.
WELL NO.1 FEDERAL 24 COM

1. SURFACE FORMATION: Recent.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Queen	480
San Andres	1050
Tubb	3800
Wolfcamp	5420
Atoka-Morrow	6600

3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONES:

Gas	Atoka-Morrow
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4. PROPOSED CASING AND CEMENTING PROGRAM:

CASING SIZE	SETTING DEPTH		WEIGHT	GRADE	JOINT
	FROM	TO			
13-3/8"	0	250	54.5#	H-40	STC
8-5/8"	0	1350	24#	K-55	STC
5-1/2"	0	6600	15.5#	K-55	STC
"	6600	7150	17#	K-55	STC

13-3/8" casing will be cemented with approximately 300 sacks of Class "C" cement with 2% CaCl. Cement to circulate.

8-5/8" casing will be cemented with sufficient light cement, tailed in with 200 sacks of Class "C", to circulate.

5-1/2" casing will be cemented with approximately 250 sacks of Class "H".

5. PRESSURE CONTROL EQUIPMENT:

Blowout prevention equipment, while drilling the 12-1/4" hole, will be a double ram, 3000 psi working pressure preventer.

Blowout prevention equipment, while drilling the 7-7/8" hole, will be

a double ram, 5000 psi working pressure preventer.

A BOP sketch is attached.

6. CIRCULATING MEDIUM:

Surface to 250 feet: Fresh water with lime or gel as needed for viscosity control.

250 feet to 1350 feet: Fresh water conditioned as necessary for control of viscosity, weight and seepage.

1350 feet to total depth: Water base drilling fluid conditioned as necessary for control of viscosity, pH, weight and water-loss.

7. AUXILIARY EQUIPMENT:

Drill string safety valves will be maintained on the rig floor while drilling operations are in progress.

Mud logging equipment will be in use while drilling the lower part of the hole.

8. TESTING, LOGGING, AND CORING PROGRAMS:

Drill stem tests will be made when samples, drilling time, and other data indicate a test is warranted.

It is planned that electric logs will include GR-CNL logs and dual Laterologs.

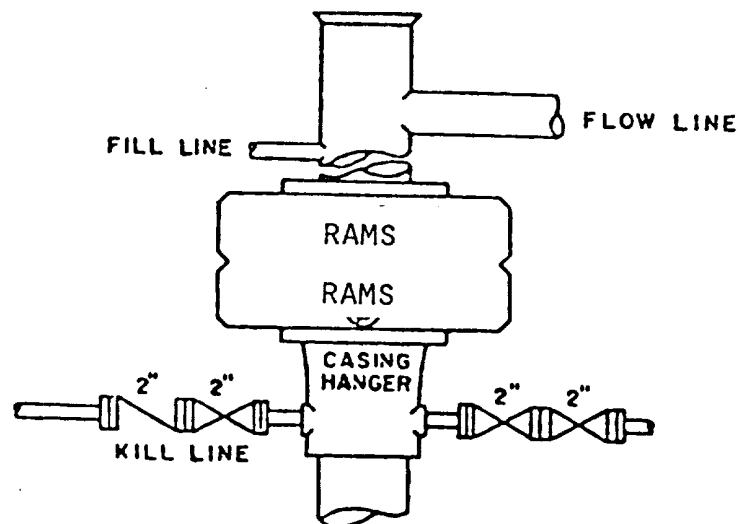
No coring is planned.

9. ABNORMAL PRESSURES, TEMPERATURES, OR HYDROGEN SULFIDE GAS:

None anticipated.

10. ANTICIPATED STARTING DATE:

It is planned that work will commence upon approval of this application and that drilling and completion operations will last about 60 days.

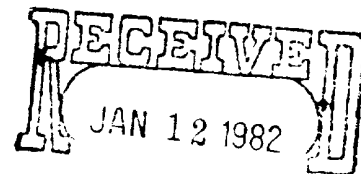


BOP STACK

3000 PSI WORKING PRESSURE
ABOVE 8-5/8" CASING SEAT

5000 PSI WORKING PRESSURE
BELOW 8-5/8" CASING SEAT

BOP ARRANGEMENT



OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

SURFACE USE AND OPERATIONS PLAN

FOR

CLEMENTS ENERGY, INC.
WELL NO.1 FEDERAL 24 COM
1650' FSL & 2210' FWL SEC.24, T.13 S., R.26 E.
CHAVES COUNTY, NEW MEXICO

LOCATED: 4 air miles northeast of Hagerman, New Mexico.

FEDERAL LEASE NUMBER: NM-44521.

LEASE ISSUED: November 1, 1981, for ten years.

RECORD LESSEE: Enid Gold.

ACRES IN LEASE: 1120.

SURFACE OWNERSHIP: Federal.

GRAZING PERMITTEE: Willard Watson (Sub-leasing from Wiggins Estate)
P.O. Box 520
Hagerman, New Mexico 88232

POOL: Wildcat.

POOL RULES: Statewide. 320 acre spacing for deep gas.

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

1. EXISTING ROADS:

- A. Exhibit "A" is a road map showing the location of the proposed well as staked. Exhibit "D", a portion of a topo plat, also shows the proposed location and existing roads in the area. Point "A" on the plats is on State highway 31 approximately 3 miles east of Hagerman, New Mexico, where a caliche road goes north. It is the first road east of the river that goes north. To go to the proposed well site from this point, exit State 31 and go 1.4 miles west, southwest, and north to arrive at a cattle guard at the southeast corner of Section 36. Go through the cattle guard and go 0.9 mile to arrive at a drilling well in the SE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 36. Continue past the drilling well, following a 2-track ranch road, for 2.1 miles. The proposed well site is about 200 feet west of the ranch road at this point.
- B. Exhibits "B" and "D" are plats showing existing roads in the vicinity of the proposed well site.
- C. Any repair to existing caliche roads does not appear necessary at the present time. The 2.1 miles of existing ranch road will be up-graded for use for access to the proposed well.

2. PLANNED ACCESS ROAD:

- A. Length and Width: The new road will be 15 feet wide and approximately 200 feet long. The proposed new road is labeled and color coded red on Exhibit "B". The center line of the proposed new road is staked and flagged. As stated above, the 2.1 miles of ranch road from the well in Section 36, northerly to the proposed well site, will be up-graded and used for access.
- B. Surfacing Material: Caliche. Watered, compacted, and graded.
- C. Maximum Grade: Two percent.
- D. Turnouts: Probably three.
- E. Drainage Design: New road will be crowned with drainage to both sides.
- F. Culverts: None required.
- G. Cuts and Fills: None necessary.
- H. Gates and Cattle Guards: None required.

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. This lease is not in producing status at the present time and there are no producing facilities on the leasehold.
- B. If the proposed well is productive, necessary production facilities will be located on the well pad.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. It is not planned that a water well will be drilled. Water necessary for drilling operations will be purchased and trucked to the well site, or will be moved to the well site by temporary pipeline layed on the ground alongside existing and proposed roads.

6. SOURCE OF CONSTRUCTION MATERIALS:

- A. Caliche needed for construction work will be taken from an existing pit on Federal land in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 20, T.14 S., R.27 E., Chaves County, New Mexico.

7. METHODS OF HANDLING WASTE MATERIAL:

- A. Drill cuttings will be disposed of in the drilling pits.
- B. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.
- C. Water produced during tests will be disposed of in the drilling pits.
- D. Oil produced during tests will be stored in test tanks until sold.
- 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 completion of 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 pits, reserve pit, and trash pit, and the location of major rig components.

- B. Clearing and levelling of the well site will be required. An approximate 3-1/2 foot cut will be necessary on the east side of the well pad with a corresponding fill on the west side of the pad area.
- 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 will be 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 well site will be 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 in the area is undulating with a steeper slope east of the Pecos River. The well site selected is on a terrace-like feature to minimize necessary cut and fill.
- B. Soil: Top soil in the area of the well site is a sandy loam.
- C. Flora and Fauna: The vegetative cover is sparse and consists of mesquite, greasewood, 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: There are no lakes or ponds in the area. The Pecos River is approximately 3/8 mile west.
- E. Residences and Other Structures: There are no occupied dwellings within a mile of the proposed drill site. The nearest windmill is about 1-1/2 miles southeast.
- F. Archaeological, Historical, or Other Cultural Sites: None observed in the area.

G. Land Use: Grazing and wildlife habitat.

H. Surface Ownership: Federal.

12. OPERATOR'S REPRESENTATIVE:


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

Mr. Bill Gillen
Clements Energy, Inc.
P.O. Box 200500
Oklahoma City, Oklahoma 73156
Office Phone: 405-840-1983
Home Phone: 405-842-4608

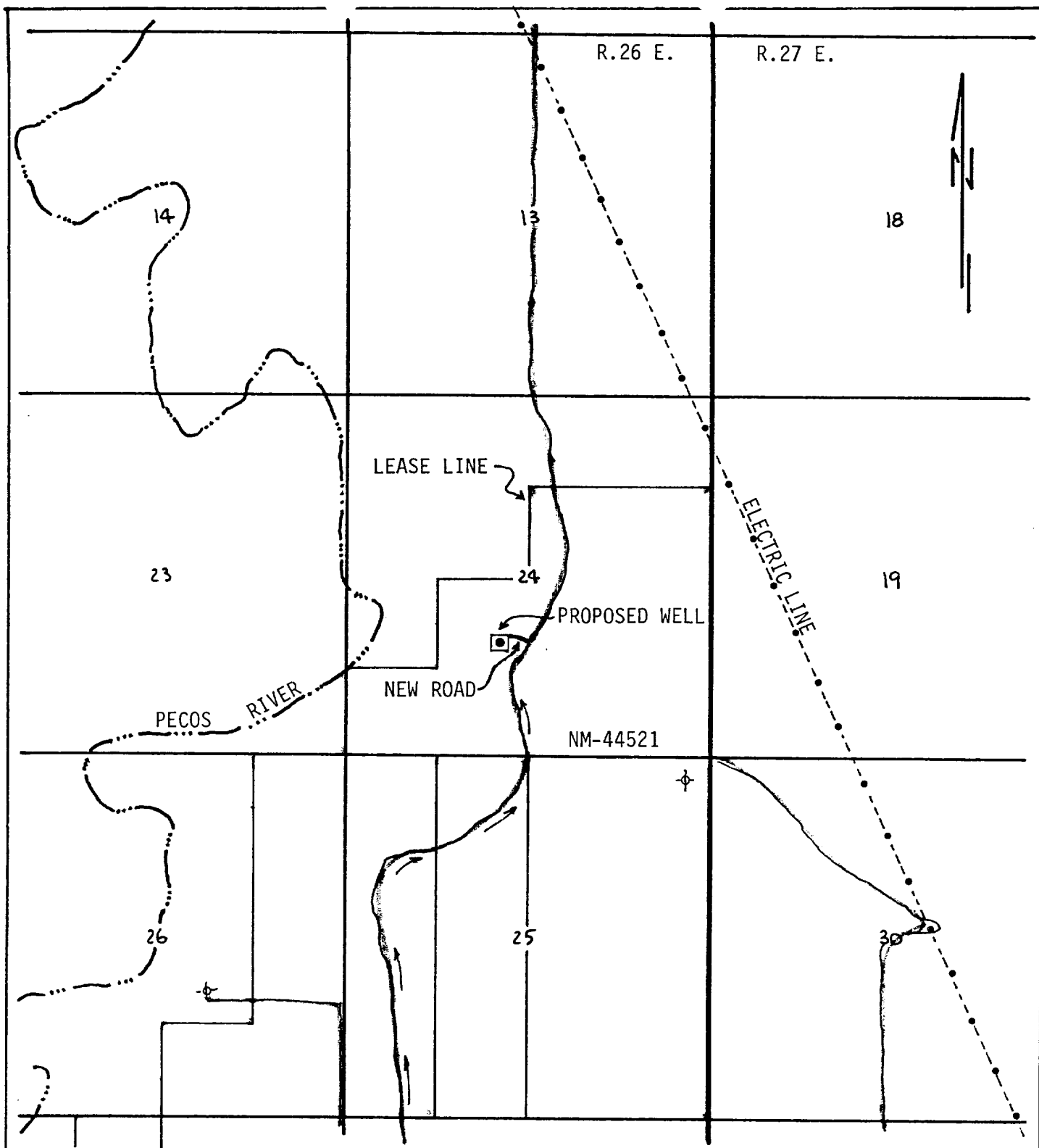
13. CERTIFICATION:

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 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 Clements Energy, Inc. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

January 7, 1982
Date: _____


Arthur R. Brown, Agent for
CLEMENTS ENERGY, INC.

CLEMENTS ENERGY, INC.
WELL NO.1 FEDERAL 24 COM
1650'FSL & 2210'FWL SEC.24, T.13 S., R.26 E.
CHAVES COUNTY, N.M. SCALE: 1/2" = 1 MI.



LEGEND:

- ⊕ Plugged Well
- Proposed Well
- Existing 2-Track Ranch Road
- Proposed New Road

EXHIBIT "B"

CLEMENTS ENERGY, INC.
 WELL NO.1 FEDERAL 24 COM
 1650'FSL & 2210'FWL SEC.24, T.13 S., R.26 E.
 CHAVES COUNTY, N.M. SCALE: 1" = 2000'

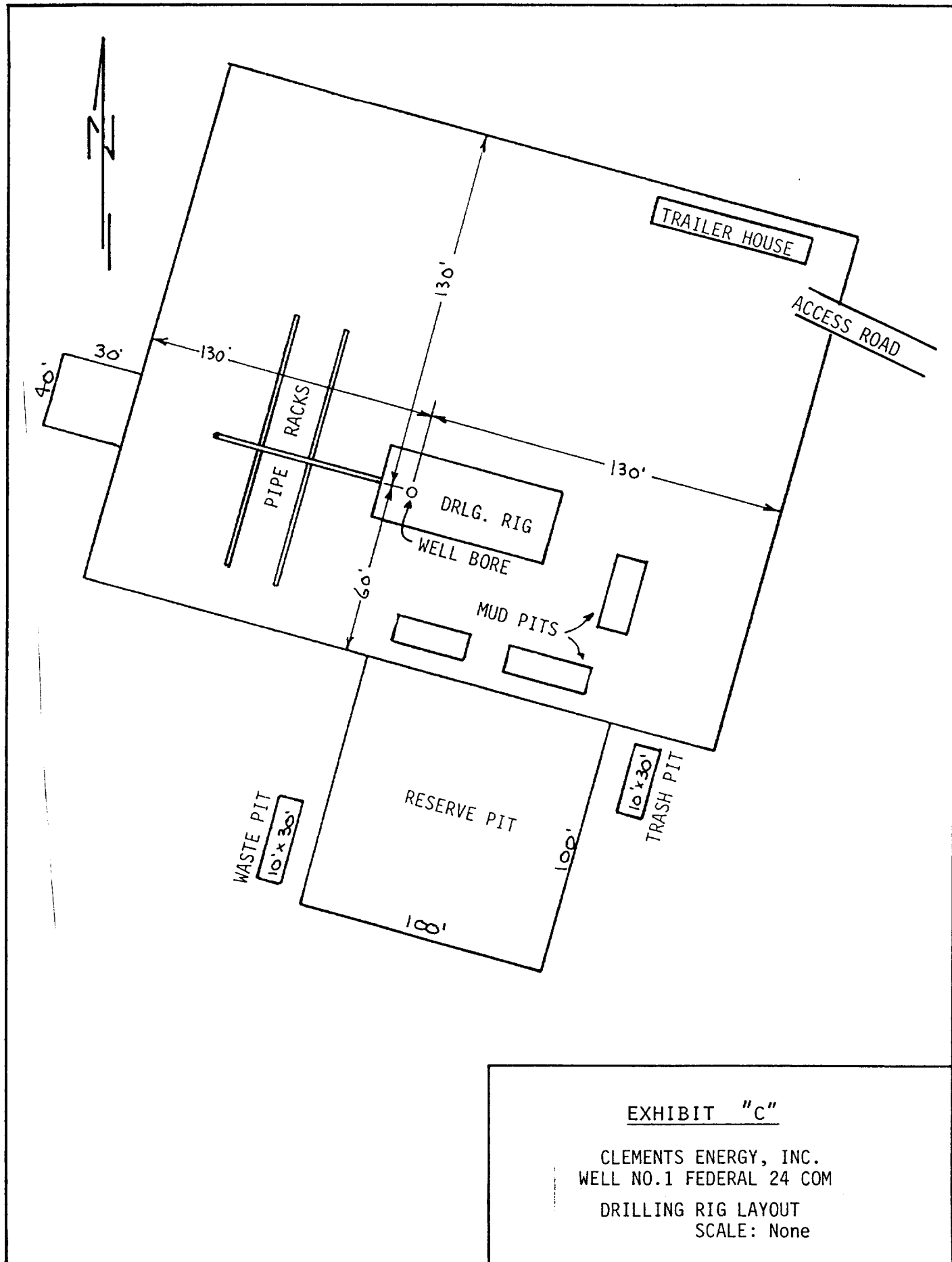


EXHIBIT "C"

CLEMENTS ENERGY, INC.
WELL NO.1 FEDERAL 24 COM
DRILLING RIG LAYOUT
SCALE: None

