

SURFACE USE PLAN
Continental Oil Company, SEMU Penn No. 97
1780' FSL and 1780' FWL of Section 23, T-20S, R-37E
Lease NM0557686, Lea County, NM

This plan is to accompany "Application for Permit to Drill" the subject well which is located approximately 5 miles on a direct line southeast of Monument, New Mexico. The following is a discussion of pertinent information concerning possible effect which the proposed drilling of the well may have on the environment of the well and road sites and surrounding acreage. A copy will be posted on the derrick floor so that all contractors and sub-contractors will be aware of all items of this plan.

1. Existing Roads:

- A. The proposed well site is 1780' FSL and 1780' FWL of Section 23, T-20S, R-37E, Lea County, New Mexico.
- B. Exhibit "A" is a portion of a New Mexico road map showing existing black top roads. Directions to the location (outlined in red on map) from Monument, New Mexico are as follows: from the intersection of Highways 8 and 322 in Monument, travel south $3\frac{1}{2}$ miles to a large winged cattleguard, turn east through cattleguard and travel $1\frac{1}{2}$ miles to Britt Battery; then follow main road southeast approximately 1 mile to idle 1000 Bbl. tank, turn south for $\frac{1}{4}$ mile to location. The location road stakes are on the west side of the road, running west for 150 feet from existing road to location.
- C,D,E. The access roads are shown on Exhibits "B" and "C".
- F. No improvement or maintenance are anticipated for the existing roads.

2. Planned Access Roads:

- A. Width and Length: New road required will be 12 feet wide and 150' long. This new road is labeled and color coded on Exhibits "B" and "C". (staked)
- B. Turnouts: None.
- C. Drainage Design: New road will have a drop of 6 inches from center line on each side.
- D. Culverts, Cuts and Fills: Culverts - None. The location cut will be 3' x 270' x 250' south to north. The cut from stake east will be 3' x 270' x 250': A maximum cut of approximately 8' will be required in a sandhill on southwest corner of pad.
- E. Surfacing Material: Six inches of caliche, bladed, watered and compacted.

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M.

F. Gates, Cattleguards, Fences: No new installations required. Existing fence and cattleguards are shown on Exhibit "B".

G. The proposed road is staked.

3. Location of Existing Wells:

See Exhibit "D".

4. Location of Existing and/or Proposed Facilities:

A. Tank Batteries:

The existing tank battery is located in the NE/4 of Section 23 and located on Exhibit "C". The production header is located in the NE/4 of Section 23.

B. Producing Facilities: No additional producing facilities are required.

C. Oil Gathering Lines:

The flowline will lay (not buried) along and following existing roads to the production header in NE/4 of Section 23 as shown on Exhibit "C".

D. Other Lines:

No additional gas gathering, injection or disposal lines will be required.

E. Rehabilitation: Pits will be backfilled and leveled as soon as practical to original condition. Commencement of rehabilitation operations will immediately follow removal of drilling and completion equipment from location and rehabilitation of the surface is planned to be completed within 45 days from commencement.

5. Water Supply: The water supply line will be installed from the tap on the existing line in Section 25, and the supply line to well No. 97 will follow existing roads to the location. This source is the Eumont Hardy Fresh Water Supply Line as shown on Exhibit "C".

6. Source of Construction Materials:

A. Caliche for surfacing the new road and the well pad will be obtained from an existing pit in the NE/4 of Section 16, T-20S, R-37E as shown on Exhibits "B".

B. Caliche to be purchased from B. F. Walker by the dirt contractor.

C. The caliche to be hauled over existing roads shown in red on Exhibit "B" following same route as outlined in directions to location. The pit is on the south side of existing lease road.

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7. Methods for Handling Waste Disposal:

Waste Disposal - Well cuttings will be disposed in reserve pit. Barrel trash containers to be in accessible locations within drill site area during drilling and completion procedures. All detrimental waste will be hauled away, burned or buried with a minimum cover of 24" of dirt. See Exhibit "E" for location of pits. If well is productive, maintenance waste will be placed in special trash cans and hauled away periodically. Any produced water will be collected in tanks until hauled to an approved disposal system, or separate disposal applications will be submitted to the survey for appropriate approval.

8. Ancillary Facilities: None.

9. Well Site Layout:

Exhibit "E" shows the relative location and dimensions of the well pad, mud pit, reserve pit, trash barrel, etc. The reserve pit will be lined with plastic. The pad and pits are staked.

10. Plans for Restoration of Surface:

Pits will be backfilled and leveled as soon as practical to original condition. Commencement of rehabilitation operations will immediately follow removal of drilling and completion equipment from location and rehabilitation of the surface is planned to be completed within 45 days from commencement.

11. Other Information:

- A. Terrain - Low rolling sand hills. See Exhibit "C", topographic map of area.
- B. Soil - Sandy.
- C. Vegetation - Sparce shinery.
- D. Surface Use - Grazing
- E. Ponds and Steams - None within one mile.
- F. Water Wells - 1.5 miles southeast of location
- G. Residences and Buildings - 1½ miles south to Turland ranch house.
- H. Arroyos, Canyons, Etc. - ~~Monument~~ Draw, approximately 1½ miles southwest of location; see attached Exhibit "C".
- I. Well Sign - Sign identifying and locating well will be maintained at drill site with the spudding of the well.
- J. Open Pits - All pits containing mud or other liquids will be fenced.

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K. Archaeological Resources - None observed.

12. Operator's Representative - Field personnel who can be contacted concerning compliance of this Surface Use Plan are as follows:

Production and Drilling
D. A. Sowers or W. D. Cates
1001 North Turner
Hobbs, New Mexico 88240
Phone: 393-4141

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 Continental Oil Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

11-16-76
Date

D. A. Sowers
D. A. Sowers
Production Superintendent

dlh

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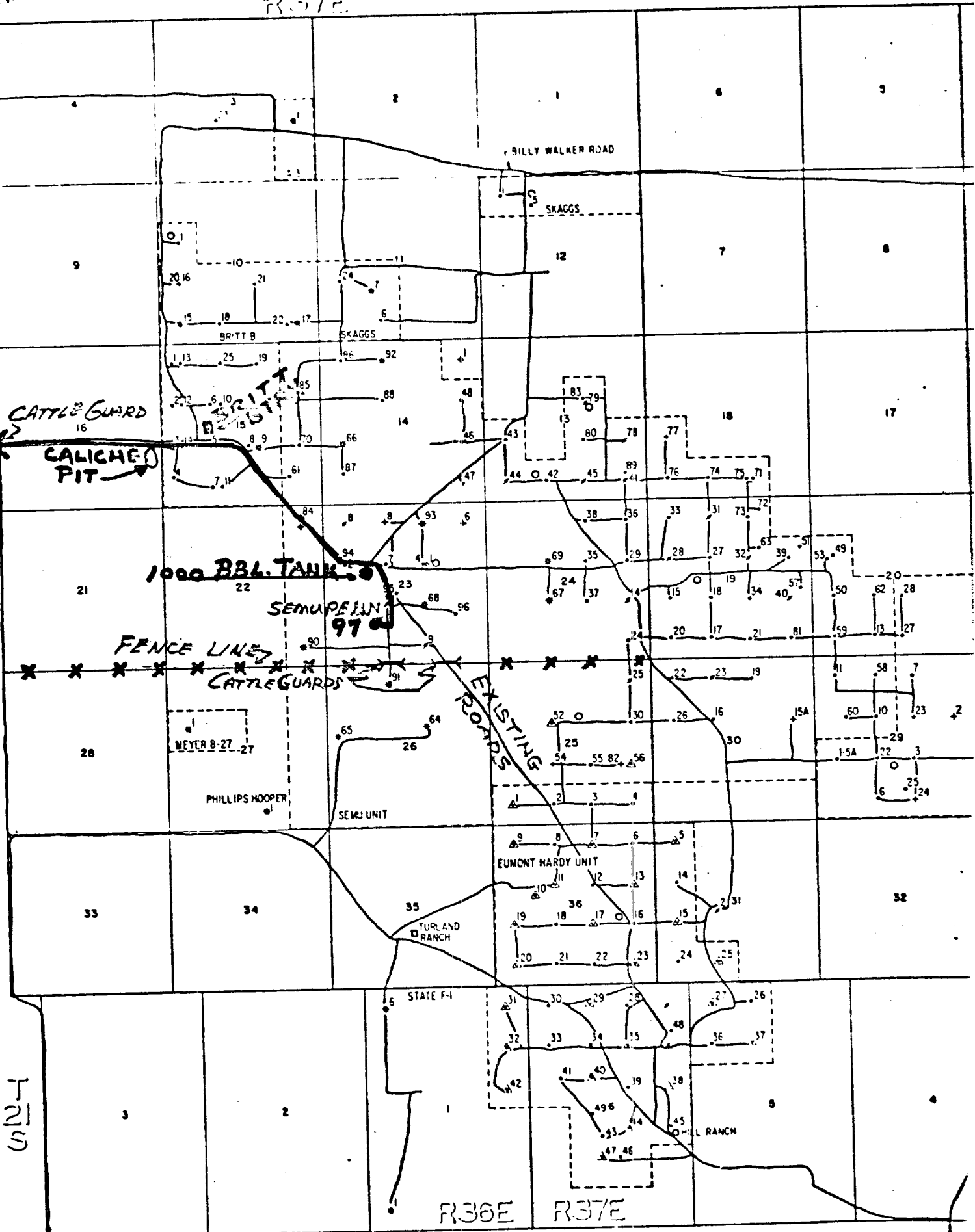
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SECTION

R37E

Hwy. No. 8 to Monument

T20N

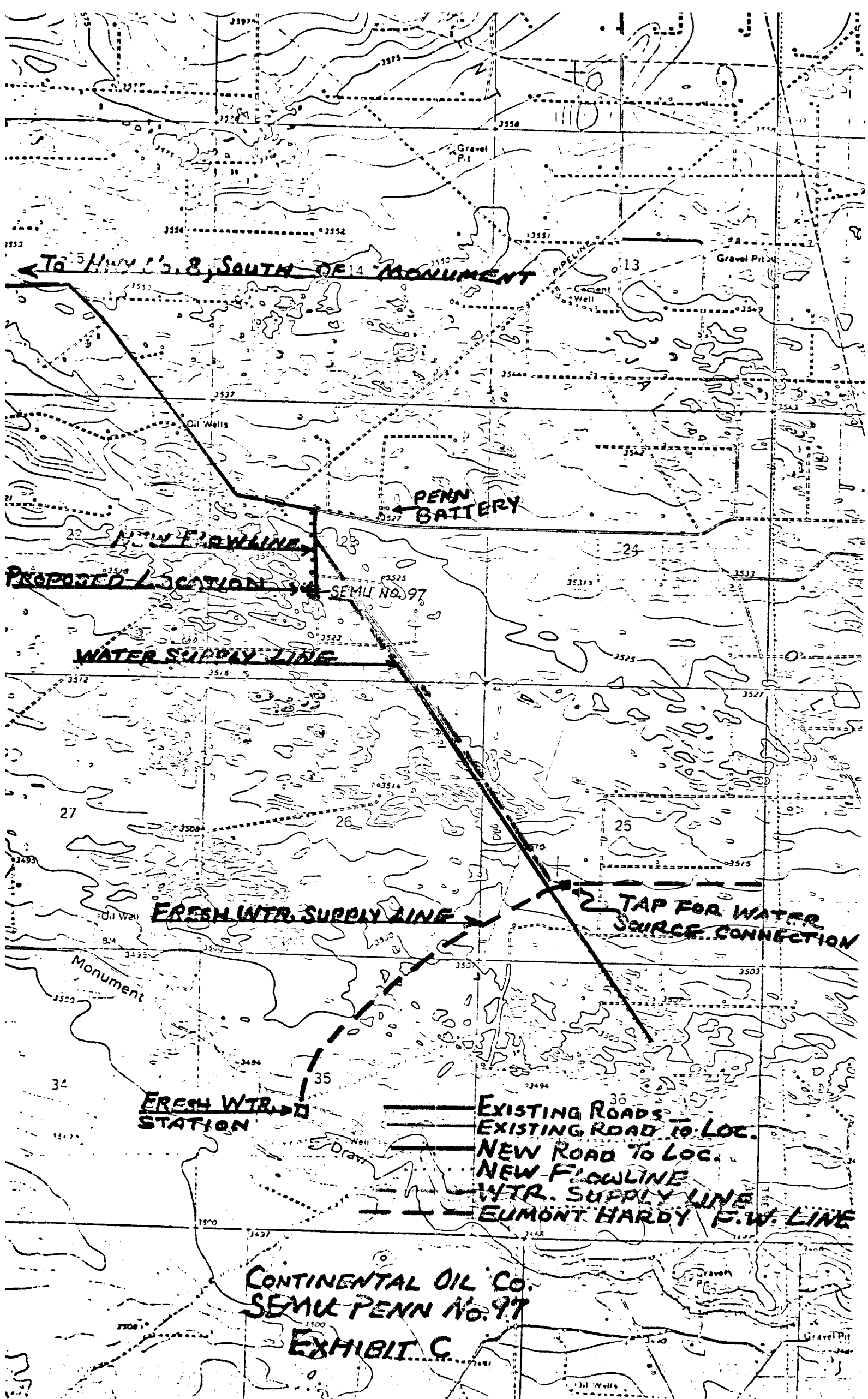


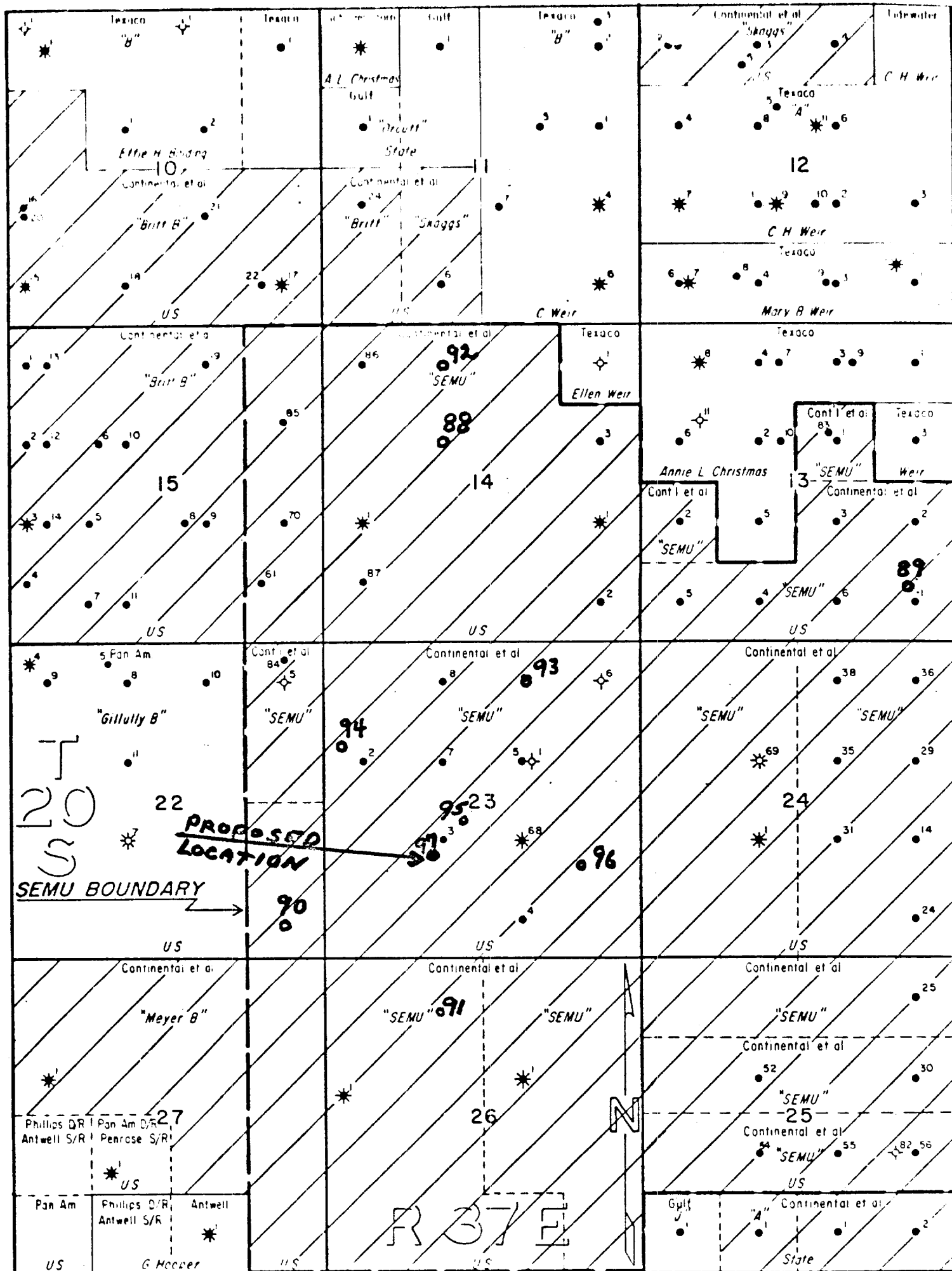
T21N

OIL CENTER

- ROUTE TO LOC. OVER EXISTING ROADS
- OTHER EXISTING ROADS
- NEW ROAD TO LOC. (STAKED)
- FENCE LINE

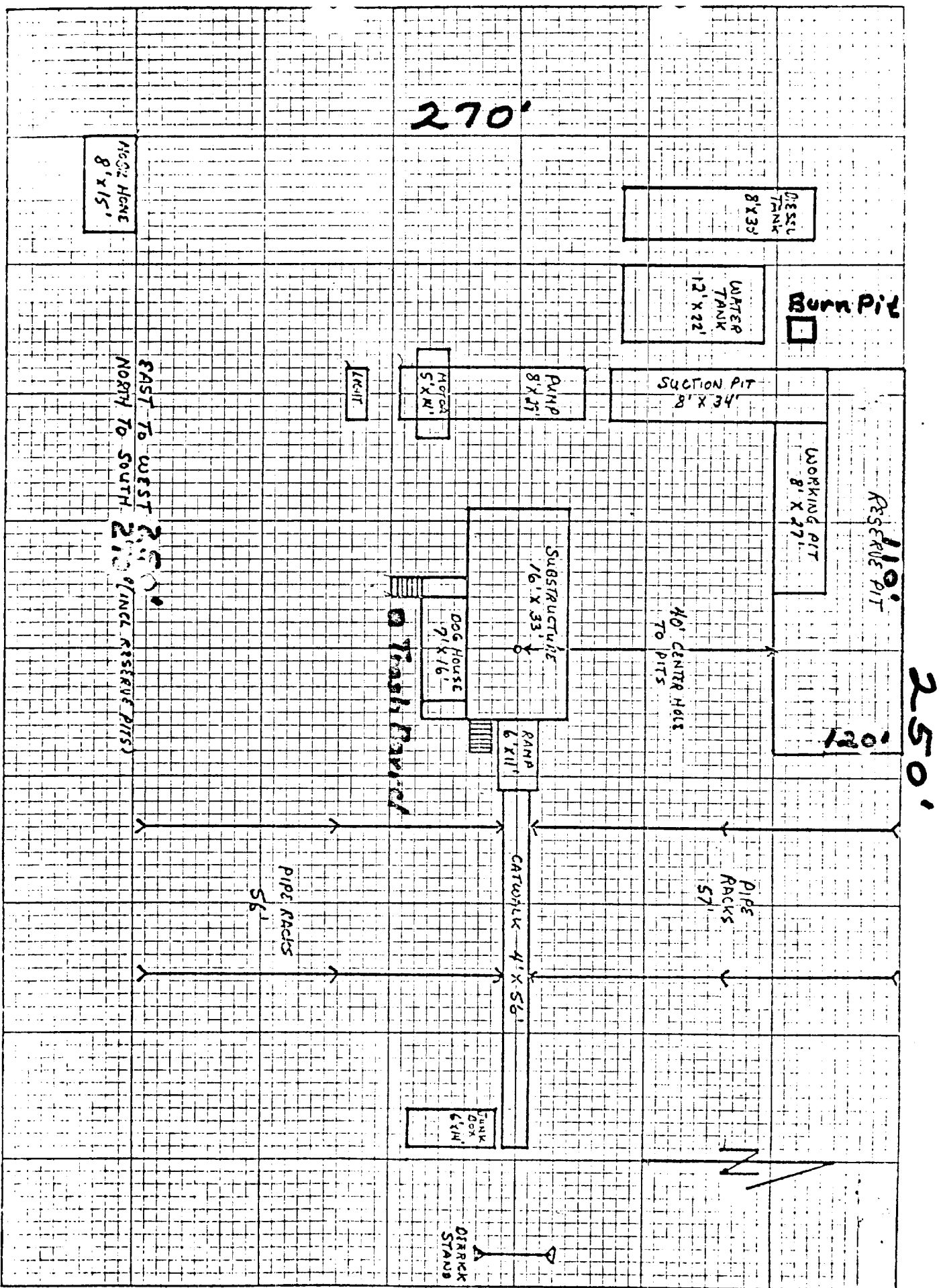
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SEMU PENN No. 97
EXHIBIT B





SEMU BOUNDARY — — — — —
& LOCATION OF EXISTING WELLS.

CONTINENTAL OIL COMPANY	
PRODUCTION DEPARTMENT—HOBBS DISTRICT	
LEA COUNTY, NEW MEXICO	
CONTINENTAL OIL Co.	
SEMU PENN No. 97	
EXHIBIT D	
SCALE 0' 1000' 2000'	



CONTINENTAL OIL CO. - SEMA PENN No. 97 - EXHIBIT E.