

COPY TO O  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY(Other instructions on  
reverse side)

Budget Bureau No. 42-R1425.

LEASE DESIGNATION AND SERIAL NO.

LC 031695(b)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

WARREN

8. FARM OR LEASE NAME

WARREN UNIT

9. WELL NO.

5-9

10. FIELD AND ZONE

WARREN, Blinney-Tubb

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Sec. 29, T-20S, R-38E

12. COUNTY OR PARISH

Lea

13. STATE

NM

## 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

Continental Oil Company

3. ADDRESS OF OPERATOR

Box 460, Hobbs, NM 88240

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

At surface

2310' FSL + 330 FEL

At proposed prod. zone

Same

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

15. DISTANCE FROM PROPOSED\*

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

16. NO. OF ACRES IN LEASE

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

6770'

20. ROTARY OR CABLE TOOLS

Rotary

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

3527.49 GR

22. APPROX. DATE WORK WILL START\*

7-15-78

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	3 2.30#	1400'	575-5X circ
8 3/4"	7"	23 1/2 2.26#	6770'	1085-5X

It is proposed to drill a straight hole to a TD of 6770' and complete as a dual oil well in the Blinney and Tubb zones.

See attached for BOP. Program, Mud Program, Formation Tops, Logging, etc.

## CONDITIONS OF APPROVAL

Union Drilling Operations have  
submitted this application  
Expires OCT 17 1978

"APPROVED WHILE DRILLING AND TESTING."

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

Wm. A. Butterfield

TITLE

Admin. Supv.

DATE

6-21-78

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

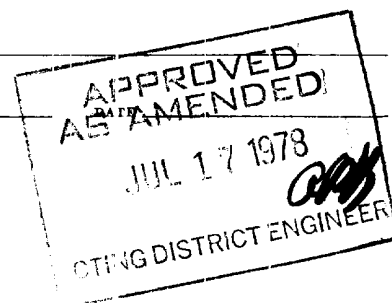
APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

USGS (6), NMFS (4), File (2)



RECEIVED

JUL 18 1978

U.S. CONSTITUTION COMM.  
1978, H. R.

Attachment to Form 9-331 C  
Application for Permit to Drill

Continental Oil Company, Warren Unit No. 59, 2310' FSL  
& 330' FEL, Sec. 29, T-20S, R-38E  
Lea County, New Mexico

1. The geologic name of the surface formation is Quaternary Sand.
2. The estimated tops of important geologic markers are shown on the attached Proposed Well Plan.
3. The estimated depths at which anticipated water, oil, gas or other mineral-bearing formations to be encountered are as follows:

Santa Rosa SS	Approximately 300' Water
Salado	Approximately 1500' Salt
Blinebry	Approximately 5900' Oil
Tubb	Approximately 6400' Oil
4. The proposed casing program is as follows:

Surface - new 9 5/8" 32.30# k-55 STC set at approximately 1400'  
Production - new 7" 23# and 26# K-55 STC set at approximately 6770'
5. A drawing of an API Series 900 Blowout Preventer Specification is attached. Pipe rams and blinds will be checked to 1,000 PSI for 30 minutes when BOP is installed. BOP will be checked when casing string is set and operated daily for checks.
6. The proposed mud program is as follows:

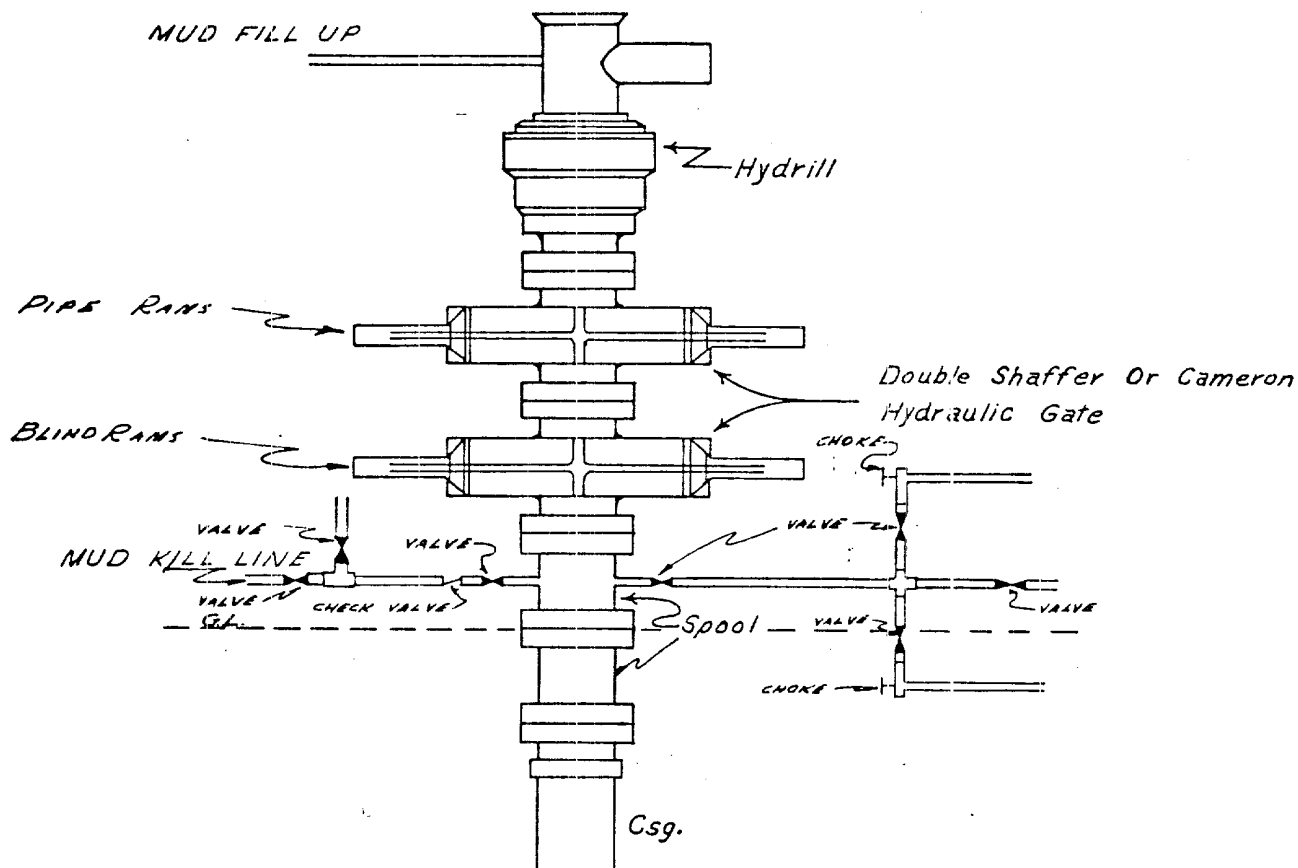
0-1400' fresh water	8.5-9.0 pounds per gallon
1600'-TD salt gel	9.0-10.0 pounds per gallon
7. The auxiliary equipment to be used is:
  - (1) kelly cocks
  - (2) floats at the bit
8. It is proposed to run GR-CNL-FDC-DLL logs from TD to 2600'.
9. No abnormal pressures or temperatures are expected to be encountered in this well.
10. The anticipated starting date for the first well is July 15, 1978, with a duration date of approximately 21 days.

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CH. OF INFORMATION COMM.  
HARRIS, N. M.

CONTINENTAL OIL COMPANY  
Blow-out Preventer Specifications



# API Series 900

NOTE:

Manual and Hydraulic controls with closing unit no less than 75' from well head.  
Remote controls on rig floor.

DUE TO SUBSTRUCTURE CLEARANCE,  
HYDRILL MAY OR MAY NOT BE USED.

CONTINENTAL OIL COMPANY  
WARREN UNIT NO. 59

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JUL 16 1978

CH. 61. COMM. COMM.  
JUL 16 1978

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 <b>Continental Oil Co.</b>		Lease <b>Warren Unit</b>		Well No. <b>59</b>
Tract Letter <b>I</b>	Section <b>29</b>	Township <b>20 South</b>	Range <b>38 East</b>	County <b>Lea</b>

Actual Footage Location of Well:

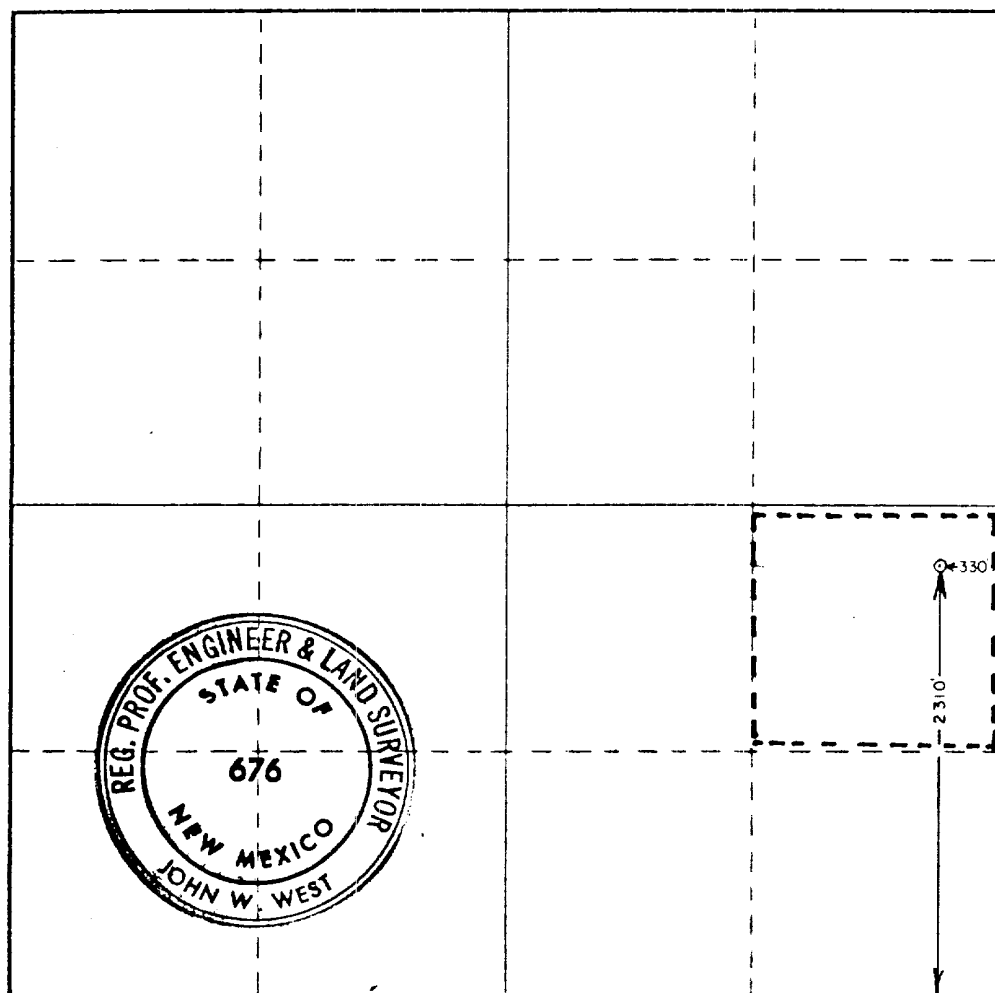
2310 feet from the South line and		330 feet from the East line	
Ground Level Elev. <b>3527.49</b>	Producing Formation <b>Blinberry &amp; Tubb</b>	Pool <b>UNDESIGNATED WARREN</b>	Dedicated Acreage: <b>40</b> Acres

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.

Name  
**Wm. A. Butterfield**  
Position  
**ADMIN. SUPV.**  
Company  
**CONTINENTAL OIL CO.**  
Date  
**JUNE 21, 1978**

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  
**May 30, 1978**  
Registered Professional Engineer and/or Land Surveyor  
**John W. West**  
Certificate No. **John W. West 676**  
**Ronald J. Eidson 3239**

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

RECEIVED

APR 18 1978

COMM. COMM.  
U. S. A.



Approved \_\_\_\_\_

SURFACE USE PLAN  
Continental Oil Company, Warren Unit No. 59  
T-20S, R-38E  
Lea County, New Mexico

The plan is to accompany "Application for Permit to Drill" the subject well which is located approximately eleven miles south of Hobbs, 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 as follows:

Well No. 59, 2310' FSL and 330' FEL of Section 29

- 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 Hobbs, New Mexico are as follows: From the Stanolind Road on the south edge of Hobbs, travel south 9.6 miles on Highway 18 and refer to Exhibit "C" Warren Unit road map for the well location.

- C,D,E. The access roads are shown on Exhibits "B", "C" and "D".

- F. No improvement or maintenance are anticipated for the existing roads.

2. Planned Access Roads

- A. Width and Length: New roads required will be 12' wide and various lengths. These new roads are labeled on Exhibits "B" and "C". (staked)
- B. Turnouts: None
- C. Drainage Design: New road will have a drop of 6" from center line on each side.
- D. Culverts, Cuts and Fills: None
- E. Surfacing Material: Six inches of caliche, bladed, watered and compacted.
- F. Gates, Cattleguards, Fences: None required.
- G. The proposed roads are staked.

3. Locations of Existing Wells

See Exhibit "D"

4. Location of Existing and/or Proposed Facilities

- A. Tank Batteries: The existing production header is located in the SW/4 of Section 27 and located on Exhibit "D".
- B. Producing Facilities: No additional producing facilities are required.
- C. Oil Gathering Lines: The flowline will lay (not buried) along the roads as shown on Exhibit "D".
- 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.
- F. Power Lines: See attached map for the power distribution.

5. Water Supply

The supply of water will be hauled from Eunice, New Mexico.

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 SE/SE Section 15, T-20S, R-28E as shown on Exhibit "D".
- B. Caliche to be purchased from Mr. Earl Kornegay.
- C. The caliche to be hauled, from the location of caliche pit, on existing roads to the new roads locations as shown on Exhibits "C" and "D".

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 "B", topographic map of area.
- B. Soil: Sandy
- C. Vegetation: Sparse - Shinnery
- D. Surface Use: Grazing
- E. Ponds and Streams: None within one mile
- F. Water Wells: None within one mile
- G. Residences and Building: None within one mile
- H. Arroyos, Canyons, Etc.: Monument Draw approximately 2 miles Southwest, see attached Exhibit "B".
- 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.
- 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  
W. D. Cates, D. A. Sowers,  
E. L. Oshlo or L. P. Thompson  
1001 North Turner  
Hobbs, New Mexico 88240  
Phone: 303-4141

13. Certification

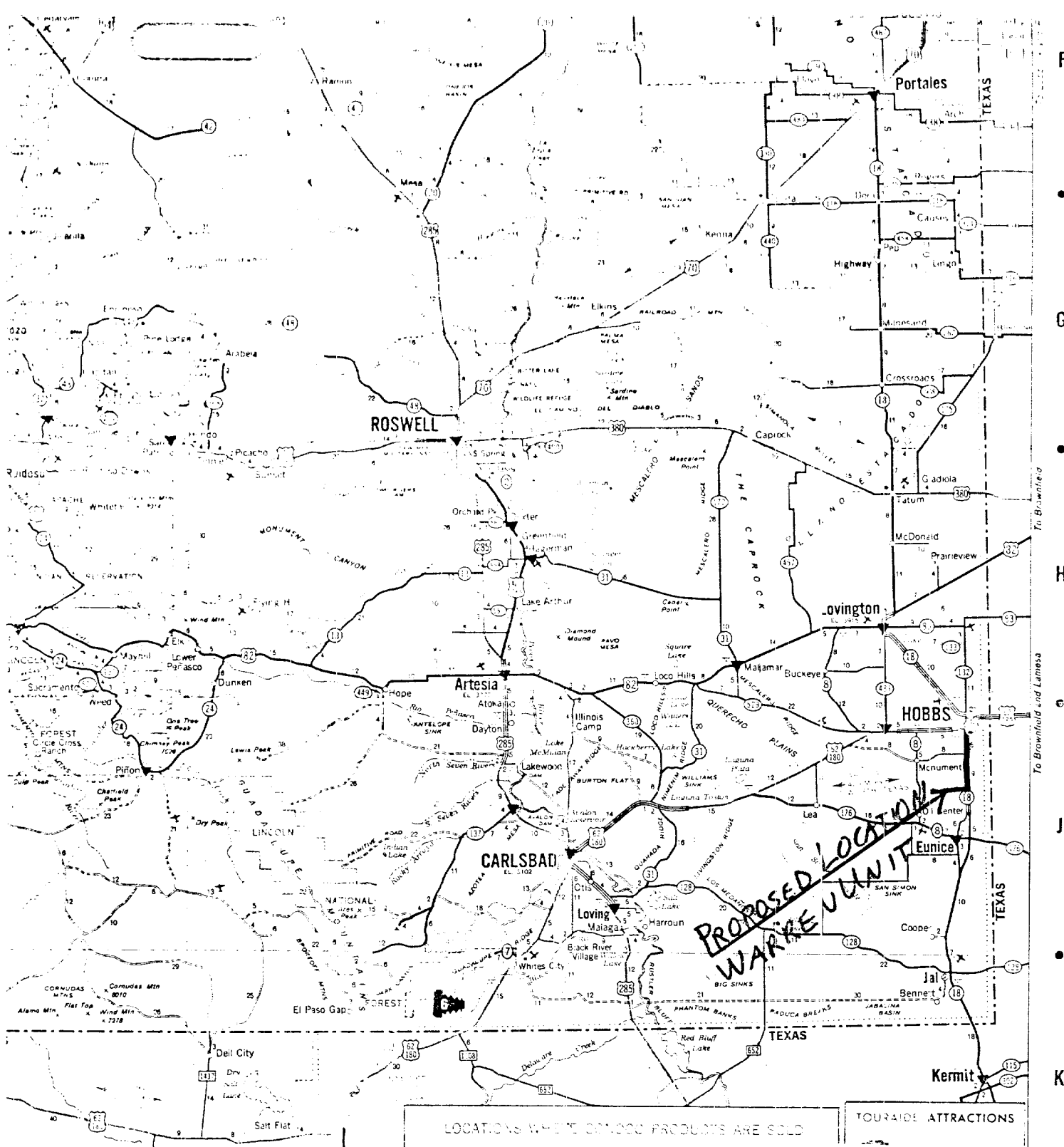
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated 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.

6-21-78

Date

Dave Sowers

dlt



LOCATIONS WHERE COMPANY PRODUCTS ARE SOLD

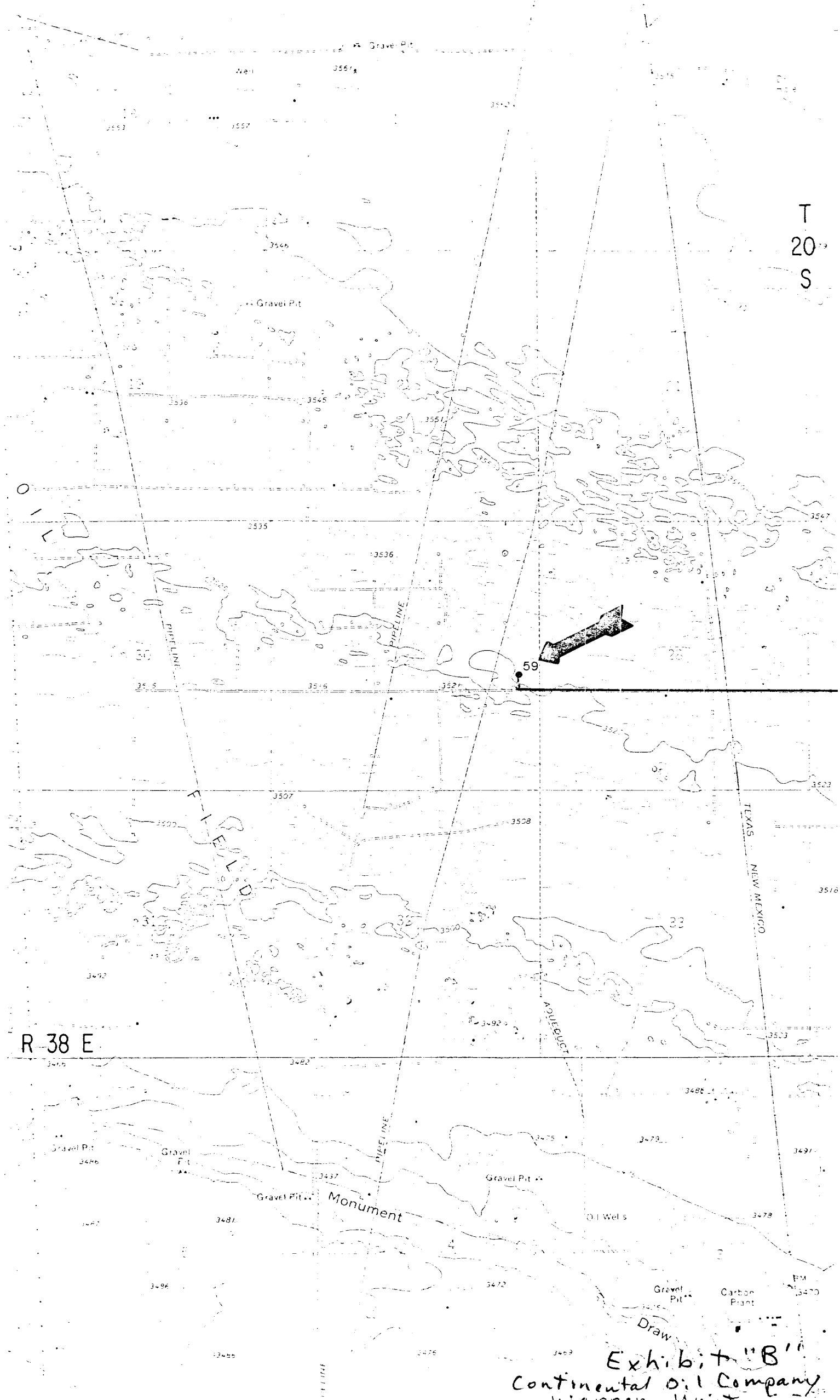
Locations on Interstate Highways 1  
Locations on U.S. Highways 2  
Locations on State Highways 3

Locations of 60,000 Gallon Capacity

TOURIST ATTRACTIONS

Continental Oil Company  
Warren Unit  
Exhibit "A"

1	San Antonio	04	San Jose	04	Torres	04
2	San Carlos	05	San Jose	05	Torres	05
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211	San Carlos	214	San Jose	214	Torres	214
212	San Carlos	215	San Jose	215	Torres	215
213	San Carlos	216	San Jose	216	Torres	216
214	San Carlos	217	San Jose	217	Torres	217
215	San Carlos	218	San Jose	218	Torres	218
216	San Carlos	219	San Jose	219	Torres	219
217	San Carlos	220	San Jose	220	Torres	220
218	San Carlos	221	San Jose	221	Torres	221
219	San Carlos	222	San Jose	222	Torres	222
220	San Carlos	223	San Jose	223	Torres	223
221	San Carlos	224	San Jose	224	Torres	224
222	San Carlos	225	San Jose	222		



Hwy 18 9.6 Miles From Hobbs

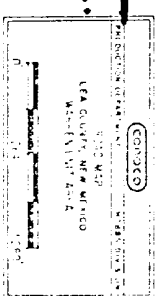
Well No.	Section	Downward Range	Direction	Remarks
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
10	10	10	10	10
11	11	11	11	11
12	12	12	12	12
13	13	13	13	13
14	14	14	14	14
15	15	15	15	15
16	16	16	16	16
17	17	17	17	17
18	18	18	18	18
19	19	19	19	19
20	20	20	20	20
21	21	21	21	21
22	22	22	22	22
23	23	23	23	23
24	24	24	24	24
25	25	25	25	25
26	26	26	26	26
27	27	27	27	27
28	28	28	28	28
29	29	29	29	29
30	30	30	30	30
31	31	31	31	31
32	32	32	32	32
33	33	33	33	33
34	34	34	34	34
35	35	35	35	35
36	36	36	36	36

Existing Roads  
Proposed Roads .....

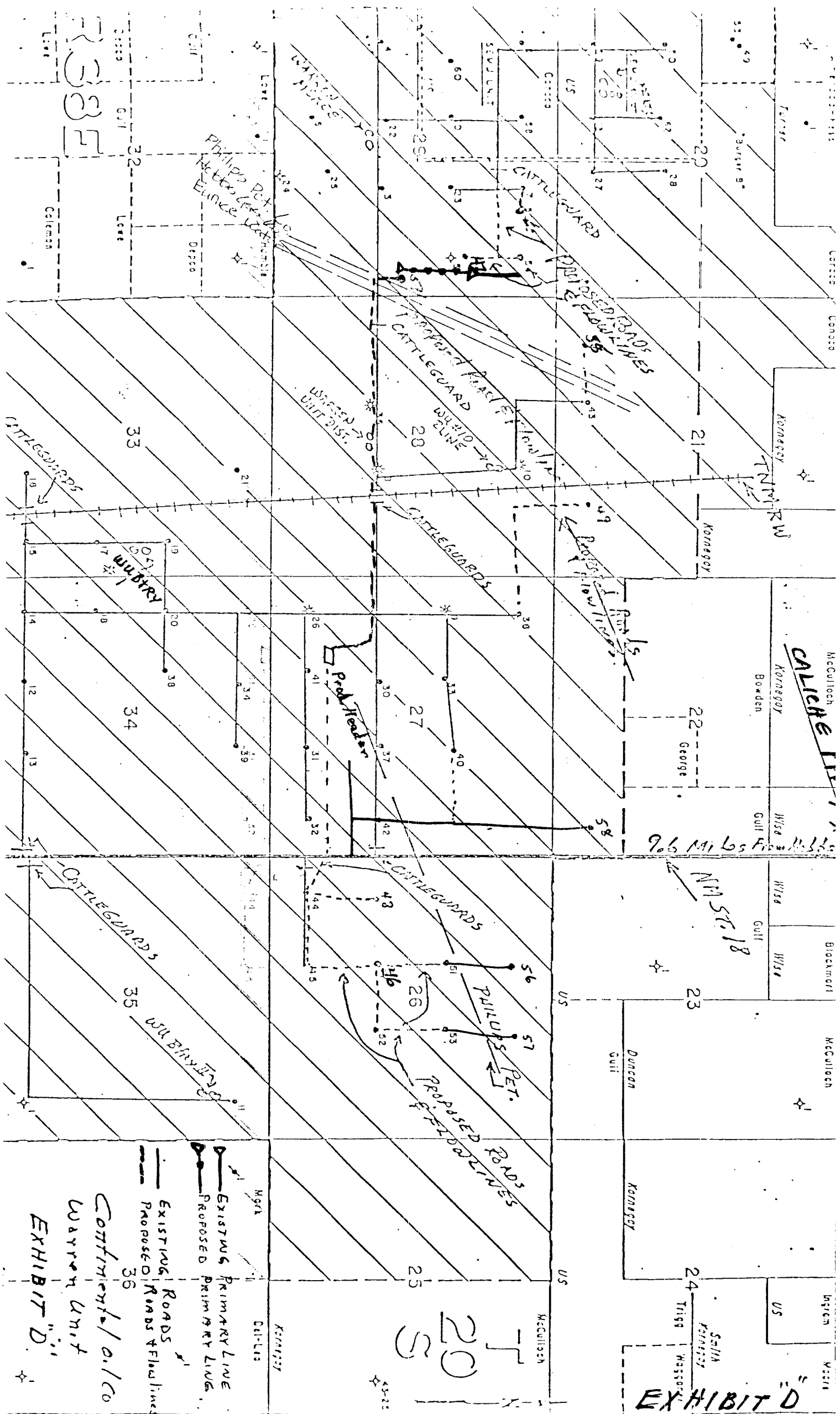
CONTINENTAL OIL CO.

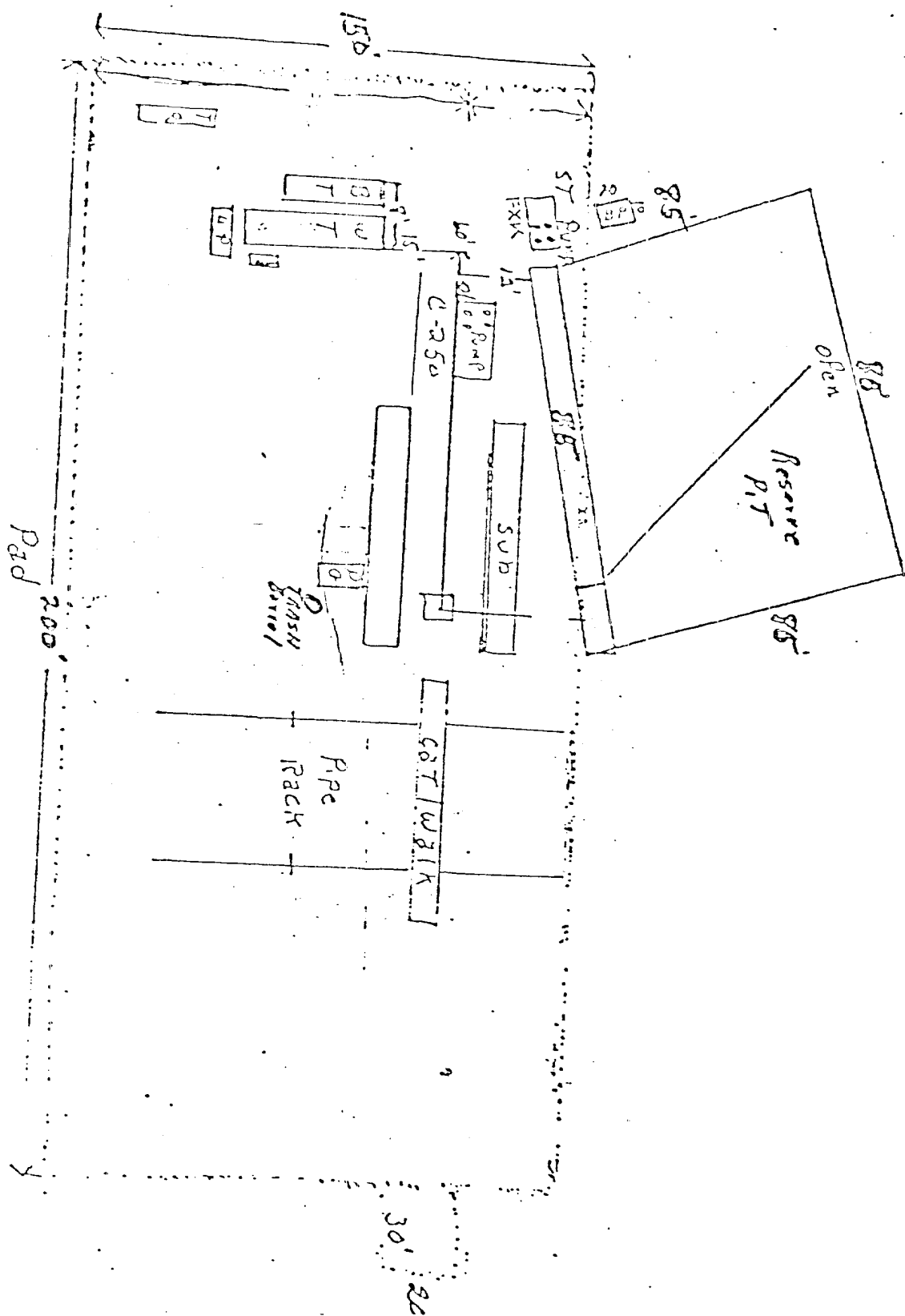
WARREN UNIT

EXHIBIT "C"









Continents / Oil Co.  
WARRLEN UNIT

EXHIBIT "E"

EXHIBIT "E"

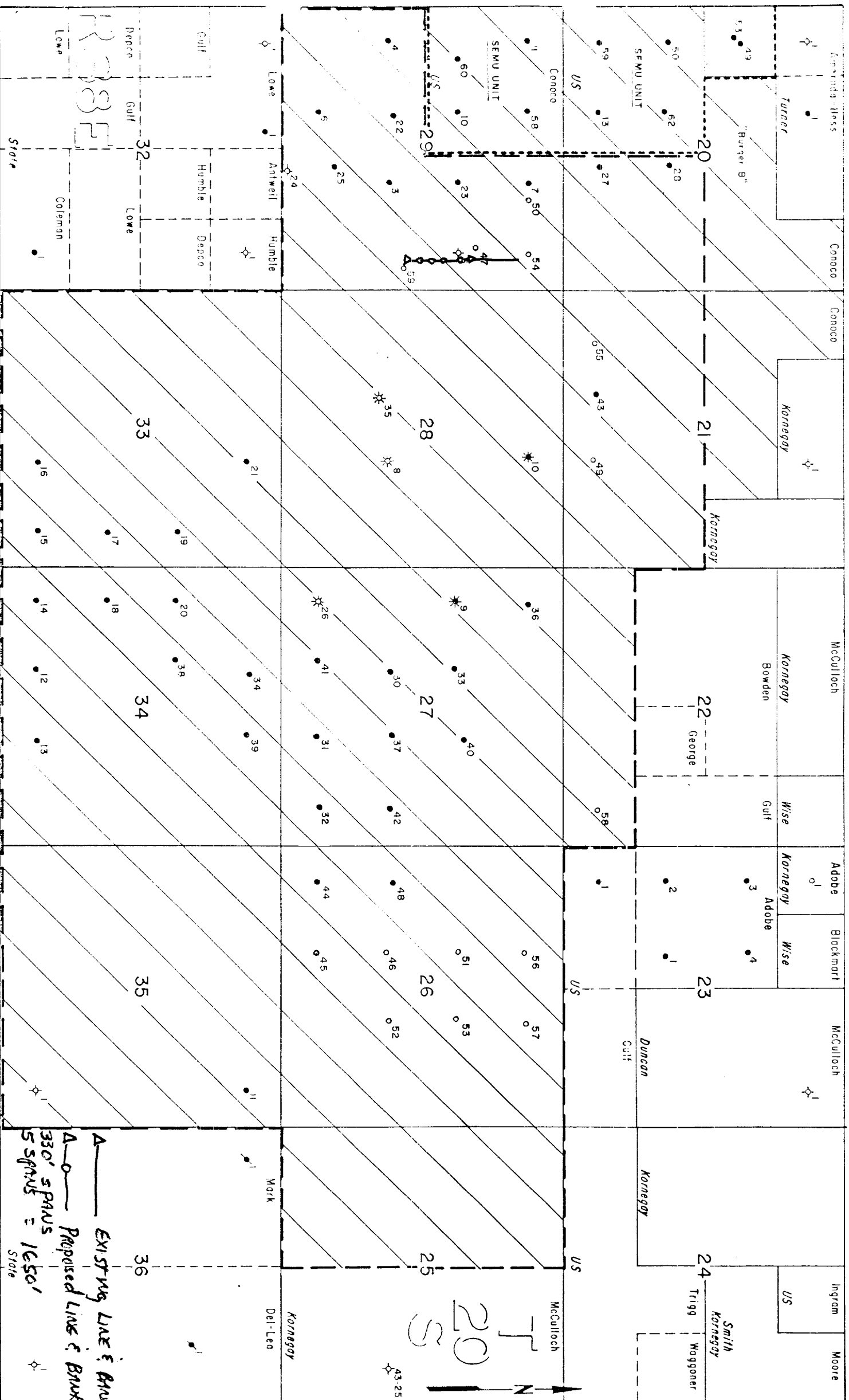
CONTINENTAL OIL COMPANY

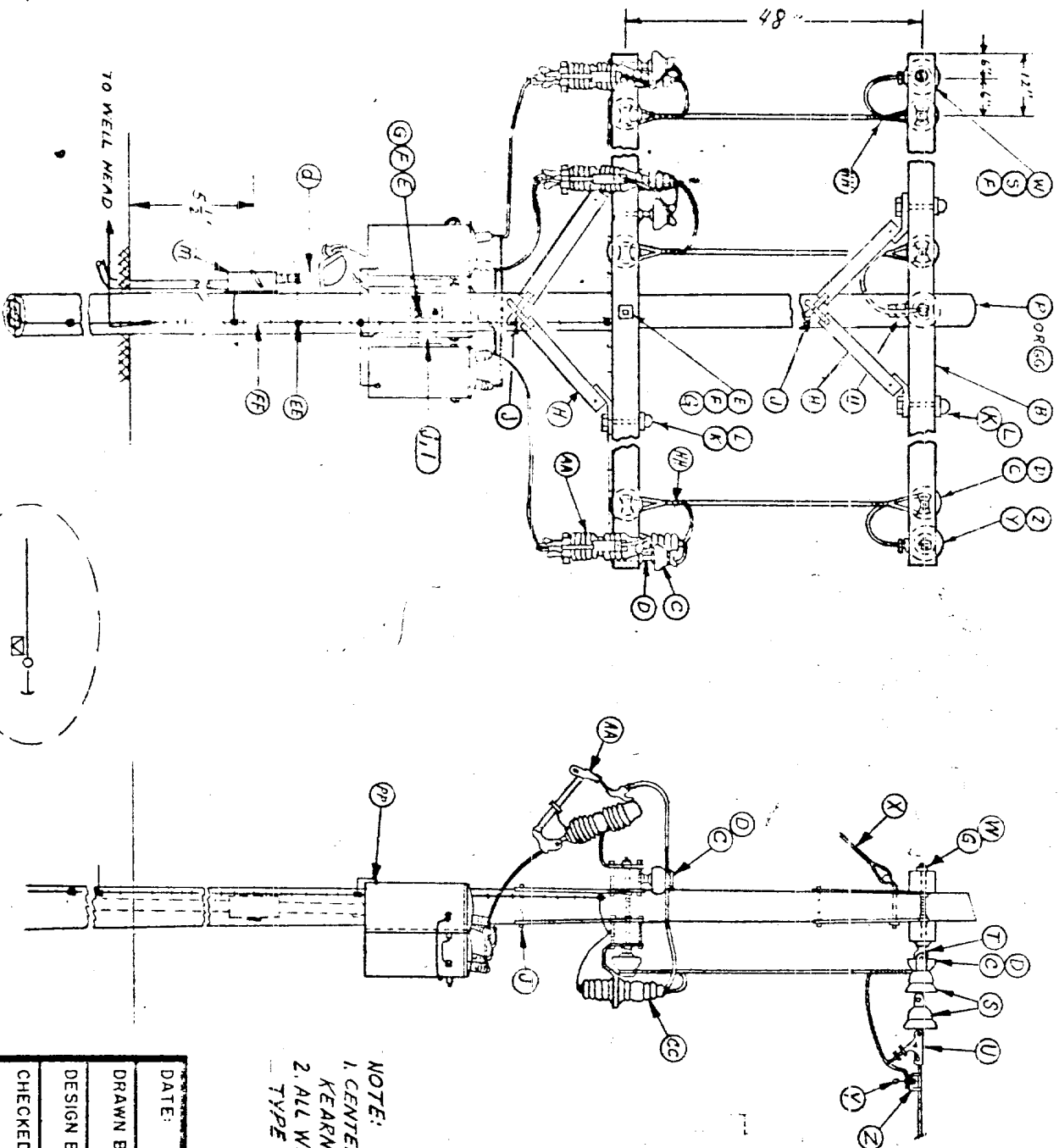
Warren Unit No. 59

Power Distribution

A plot is attached showing the proposed well location, existing roads, new proposed roads, existing power lines, proposed power lines, also drawings of the pole design.

It is proposed to tie-in to an existing primary line and construct 1650' of primary line with a transformer bank at the well site. The new line will be constructed at 330' per span. The proposed line is staked.






ITEM	QTY	REF
B	4	
C	9	
D	9	
E	3	
F	24	
G	12	
H	8	
J	4	
K	8	
L	8	
PorGG	1	ES-1A, NOTE 5
S	6	
T	3	
U	3	
W	5	
X	1	
Y	3	
Z	3	
AA	3	
CC	3	
EE	8	
FF	1	
HH	6	
d	1	
U1	1	ES-1A, NOTE 2
m	1	
PP	3	

NOTE:  
 1. CENTER PHASE ON BANK WILL HAVE EPOXY INS.  
 KEARNY NO. 323015-24 INSULATOR.  
 2. ALL WIRE FROM POINT "U" WILL BE INSULATED  
 TYPE WIRE ON TRANSFORMER BANK.

DATE:	12-13-71	TITLE:	SINGLE POLE SUBSTA. 1PH. TRANS. CLUSTER MOUNT PRIM DEAD-END-12500/480V. AGSR
DRAWN BY:	AKD	DESIGN BY:	AKD
CHECKED BY:		PRODUCTION DEPT.	CONOCO
APPROVED BY:		JOB:	HOBBES DIVISION
SCALE:	NONE	DRAWING NO.:	ES-9

ITEM	DESCRIPTION	A. B. CHANCE NO.	JOSLYN NO.	OTHER MFRS. NO.	NO. SUB.
A	35' class 6 creosoted pine pole				
B	3 1/2" x 4 1/2" x 8' treated crossarm				
C	High density wet process porcelain pin insulator		263		
D	5/8" x 5" Forged steel pin w/sq. washer, nut, & locknut	881			
E	5/8" x 12" machine bolt w/ nut (or length req'd)	8812			
F	2 1/4" x 2 1/4" x 3/16" x 11/16" hole sq. washer	6813			
G	5/8" NF locknut	3512			
H	Wood crossarm brace 1 5/8" x 2 5/8" x 59"	508754		GRAY BAR #217	X
J	1/2" x 4" E2 Pelter Drive Log Screw	8634 1/2			
K	3/8" x 4 1/2" Carriage Bolt w/ Nut	3310			
L	3/8" NF Locknut				
M	Preformed Aluminum Alloy Armor Rods, size req'd				
N	tie wire #6 strong alum. alloy				
O					
P	40' class 5 creosoted pine pole				
R	Aluminum double tab Squeeze on Connector for ACSR, Aluminum, or Copper-size req'd			KARNEY SERIES "RI"	X
S	6" Suspension Insulator	66200			
T	5/8" Standard Oval Eye Nut	6502			
U	Primary Dead End Clamp		14050		
W	5/8" x 18" (or length req'd) Double Arming Bolt w/6 sq. nuts	8868			
X	Buying detail - see detg No. ES-10 for specs.				
Y	Hot Line Clamp	51520AGP		KEARNEY	
Z	Squeeze on basket, size required				X

DATE: 12-27-71		TITLE: DESCRIPTION MATERIALS	
DRAWN BY: E. WINTER		<div style="text-align: center;">  </div>	
DESIGN BY:			
CHECKED BY:			
APPROVED BY:			
SCALE: NONE		PRODUCTION DEPT.	HOBBS DIVISION
		JOB: ELEC SPECS	DRAWING NO: ES-1
			SHEET 1 OF 3

ITEM	DESCRIPTION	A. B. CHANCE NO.	JOSLYN NO.	OTHER MFRS. NO.	NO SUB.
AA	Primary Cutout - 100 amp, 15 KV, 16000 amp int. cap.	F2XR10/56			X
BB	General Purpose "U" bolt clamp	UL510AGP			
CC	Lightening arrester, 10 KV				
DD	Single phase oil switch, 14.4 KV			MORAN EDISON KAMC2	
EE	split bolt connector, size req'd			BLACK BURN "H" SERIES	
FF	Grounding specs. see dwg No. ES-11 & ES-1A, Note 3				
GG	35' class 4 creosoted pine pole				
HH	Aluminum deadend preforms for ACSR, size req'd				
JJ	30' class 6 creosoted pine pole				
KK	OVERHEAD GRND, #4 ACSR - If Req'd - Ref. DWG ES-11, ES-1A - Note 3				
LL	Ground connector, motor			POUNCEY KC-2A	X
MM	600 V. secondary lightening arrester single phase				
NN	Greenfield type GF liquid-tight flexible steel conduit, size req'd, w/ necessary liquid-tight connectors.				
OO	req'd size LB fitting & cover & gasket				
PP	transformer tank grounding terminal	GW3-75			

DATE: 12-27-71	TITLE: DESCRIPTION MATERIAL	
DRAWN BY: E. WINTER	<div>CONOCO</div> <div>PRODUCTION DEPT.</div> <div>JOB: ELEC SPECS</div> <div>DRAWING NO: ES-1</div> <div>HOBBS DIVISION</div>	
DESIGN BY:		
CHECKED BY:		
APPROVED BY:		
SCALE: NONE	SHEET 2 OF 3	

ITEM	DESCRIPTION	A. B. CHANCE NO.	JOSLYN NO.	OTHER MFRS. NO.	NO SUB.
a	double unset bolt s/sq. nut, round washer, and corner key on short end, sq. nut and 1/4" locknut on long end, 15 1/8" long (or length required.)	7828			
b	wet process porcelain secondary spool insulator, 3", brown glaze		1101		
d	required size conduit w/ servicehead(s) & req'd size & rated insulated conductors. Ref. Dwg ES-1B				
e	Note: provide clamp and ground conduit parallel prove clamp, size req'd			PC-NLV SERIES UC	
f	secondary insulator clevis for 4" insulator	6510			
g	5/8" thimbleye nut	5512			
h	5/8" x 12" (or length req'd) straight thimbleye bolt w/sq. nut			ALUM-1A FORM 6M3-6	X
j	transformer cluster mount bracket (small)			ALUM-1A FORM 15M3-6	X
l	transformer cluster mount bracket (large)				
m	req'd size rainlight disconnect & fuses, 3-phase, 600 V. Ref. Dwg No. ES-1B				
n	16" cross plate anchor (or size req'd)	X-16 88135			
q	8-way expanding anchor (size req'd)		10101		
t	4" brown glaze wet process porcelain secondary spool insulator				
u	5/8" x 7' thimbleye anchor rod w/nut (use twineye 1/4" req'd - Chance No. 5347)	5317 (NOT STOCKED)			
aa	3/8" high strength guy strand (10,800 lb.)				
bb	preformed guy grip for 3/8" guy strand	5010			
dd	5/8" x 10" angle thimbleye bolt w/nut	64-3 1/2			X
ee	3"x3"x1/4"x11/16" hole curved washer				
ff	6" - guy clamp w/3-1/2" bolts				
fg	medium size strain insulator				
hh	serving sleeve for 3/8" guy strand	6454			
jj	3/16" x 2-1/2" x 7" 11ft plate	7827			X
nn	pole bottom ground plate (may use butt-wrap if desired)				
qq	Ground Connection (See Dwg. ES-12)				
rr	wet process porcelain secondary spool insulator, 3" - white glaze				
tt	wet process porcelain secondary spool insulator, 4" - white glaze				

DATE: 12-27-71		TITLE: DESCRIPTION MATERIALS	
DRAWN BY: E. WINTER		<div>CONOCO</div> <div>HOBBS DIVISION</div>	
DESIGN BY:			
CHECKED BY:			
APPROVED BY:			
SCALE: NONE		JOB: ELEC SPECS	DRAWING NO: ES-1
		SHEET 3 OF 3	



