

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

Caulkins Oil Company

## 3. ADDRESS OF OPERATOR

P.O. Box 700, Farmington, New Mexico 87401

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

At surface

1000' From the West and 220' from the South

At proposed prod. zone

Same

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

3.5 miles Southeast of Blanco, New Mexico

## 15. DISTANCE FROM PROPOSED\*

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

970

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

100

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

6602 Gr.

## 5. LEASE DESIGNATION AND SERIAL NO.

NM 03547

## 6. IF INDIAN, ALLOTTEE OR TRIBE NAME

## 7. UNIT AGREEMENT NAME

## 8. FARM OR LEASE NAME

Breech "F"

## 9. WELL NO.

545

## 10. FIELD AND POOL, OR WILDCAT

South Blanco PICTURED CLIFFS

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

Section 35 27N 6W

## 12. COUNTY OR PARISH

Rio Arriba

## 13. STATE

New Mexico

## 16. NO. OF ACRES IN LEASE

1600

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

## 19. PROPOSED DEPTH

3210

## 20. ROTARY OR CABLE TOOLS

Rotary

## 22. APPROX. DATE WORK WILL START\*

April 30, 1977

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 3/4	8 5/8	24	100	Sufficient to circulate
7 7/8	6 1/2	10.5	3210	425 Sacks

Surface formation San Jose. No abnormal pressure or temperature anticipated.

It is proposed to drill well to 3210' using gel based 9# mud. Drill pipe float will be used with float installed at bit. ES Imuction Log will be run providing hole conditions permit tools in open hole, if not Neutron Log will be run in pipe.

Log 1 1/2" H-40, 10.5# casing will be cemented at TD with 225 sacks 50-50 pos containing 12 # gel per sack, followed by 100 sacks Neat cement.

Casing will have rotating scratchers and centralizers through Pictured Cliffs Zone.

New 1" 10 rd thd. V-55 NU tubing will be run to top of Pictured Cliffs perforation.

A Shaffer 8" Model BHP, 6000# test, 3000# WP Blowout Preventor will be in use at all times while drilling below 100'. Blowout Preventor will be tested at least once during each 24 hour day.

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

*Charles E. Vignone*

TITLE

Superintendent

GEOLOGICAL SURVEY March 17, 1977

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

MAR 30 1977  
OIL CON. COM.  
DIST. 3

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

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>Caulkins Oil Company</b>		Lease <b>NM 03547</b>		Well No. <b>545</b>
Unit Letter <b>M</b>	Section <b>35</b>	Township <b>27 North</b>	Range <b>6 West</b>	County <b>Rio Arriba</b>
Actual Point Location of Well:				
<b>990</b> feet from the <b>South</b> line and		<b>1000</b> feet from the <b>West</b> line		
Ground Level Elev. <b>6602</b>	Producing Formation <b>Pictured Cliffs</b>	Pool <b>South Blanco</b>	Dedicated Acreage: <b>160</b> Acres	

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 *E. J. Echolaw*  
Position **Superintendent**  
Company **Caulkins Oil Company**

Date **March 17, 1977**

**REGISTERED PROFESSIONAL ENGINEER**  
I hereby certify that the location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same are true and correct to the best of my knowledge and belief.  
**MARCH 5, 1977**

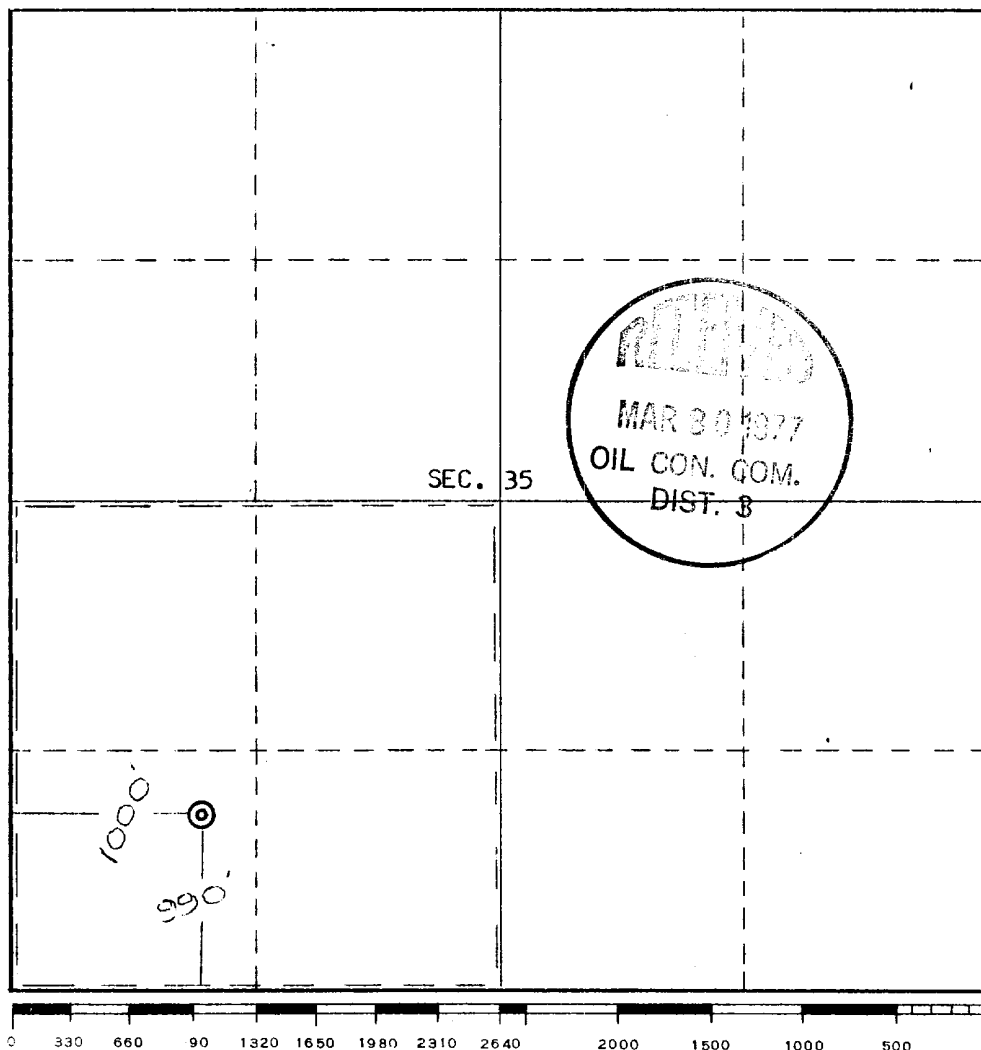
Date Surveyed

Registered Professional Engineer and/or Land Surveyor

*E. J. Echolaw*

Certificate No. **3602**

**E.V. Echolaw LS**



# CAULKINS OIL CO.

Post Office Box 780  
Farmington, New Mexico 87401

March 17, 1977

United States Dept. of the Interior  
Geological Survey  
Post Office Box 1809  
Durango, Colorado 81301

Gentlemen:

Following is our multi-point development plan for surface use and restoration for our well No. 545, located in Southwest Quarter of Section 35 27N 6W, Rio Arriba County, New Mexico.

- (1) Location to be built on existing location. Existing road will be used. Copy of topo map showing proposed location and existing roads in area.
- (2) No New roads required. Access roads from Ercan Camp to location marked on topo map.
- (3) Location of existing wells shown on topo map.
- (4) No tank battery or production facilities required. Note: Gas Company of New Mexico as purchaser of gas will apply for permit for pipelines and production equipment.
- (5) Water will be hauled from Caulkins Oil Company well number 130, located in Northwest Quarter of section 9 26N 6W, Rio Arriba County, New Mex. Water well identified with red circle on topo map. Roads on Federal lands used to haul water from water well to location also shown on topo map.
- (6) No construction materials needed for roads or location.
- (7) All cuttings, trash, garbage and etc. will be confined to reserve pit and small fenced pit on location. After rig is moved out, area will be cleaned up, small pit covered and reserve pit fenced until fluid in pit evaporates. Reserve pit will be covered as soon as it dries sufficiently to proceed without damage to outside surface.
- (8) No camp required.
- (9) Layout plat for location and reserve pit attached. Reserve pit will be built on new area and location will be extended on South end for 40'. Pit will be built from earth material with banks packed by tractor. Reserve pit will not be lined.

(10) Reserve pit will be covered and cleaned up then reseeded with BLM recommended seeding program with 2 $\frac{1}{2}$ # Crested Wheatgrass, 2 $\frac{1}{2}$ # Smooth Brome,  $\frac{1}{2}$ # Fourwing Saltbrush (dewinged) and 1# Nomad Alfalfa per acre. Reseeded area will include all location and reserve pit area to within 5' of all facilities. Seeding shall be done between July 15 and October 15. All facilities maintained by Caulkins Oil Company shall be painted Grey, Number 36357.

(11) New Drillsite located on existing location sparsely covered with Crested Wheatgrass. New disturbed area covered with Blue Gama and Sage Brush.

(12) Operator's representative:

Charles E. Verquer, Supt.  
Post Office Box 780  
Farmington, New Mexico 87401

Phone: 325-0481

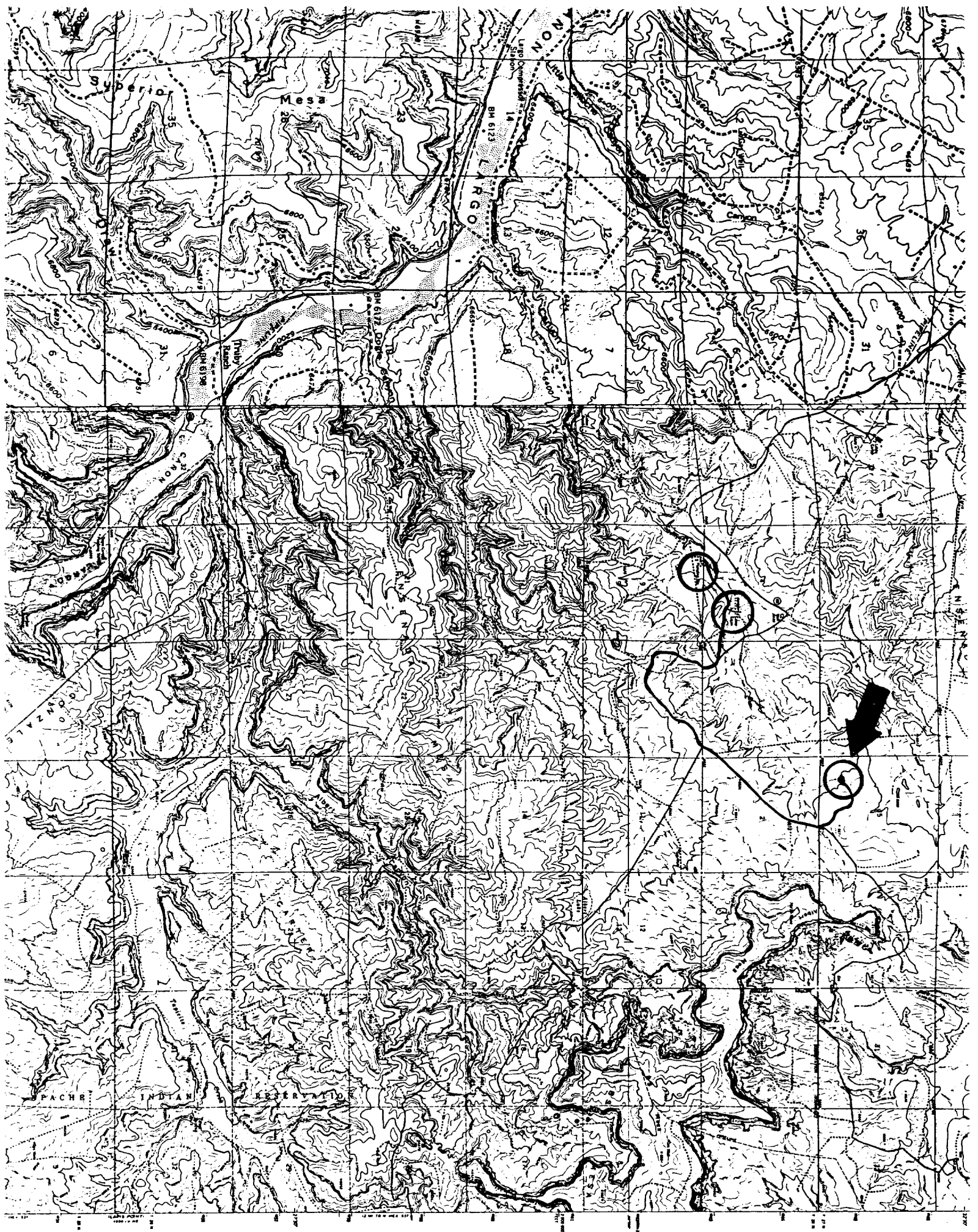
(13) Certification:

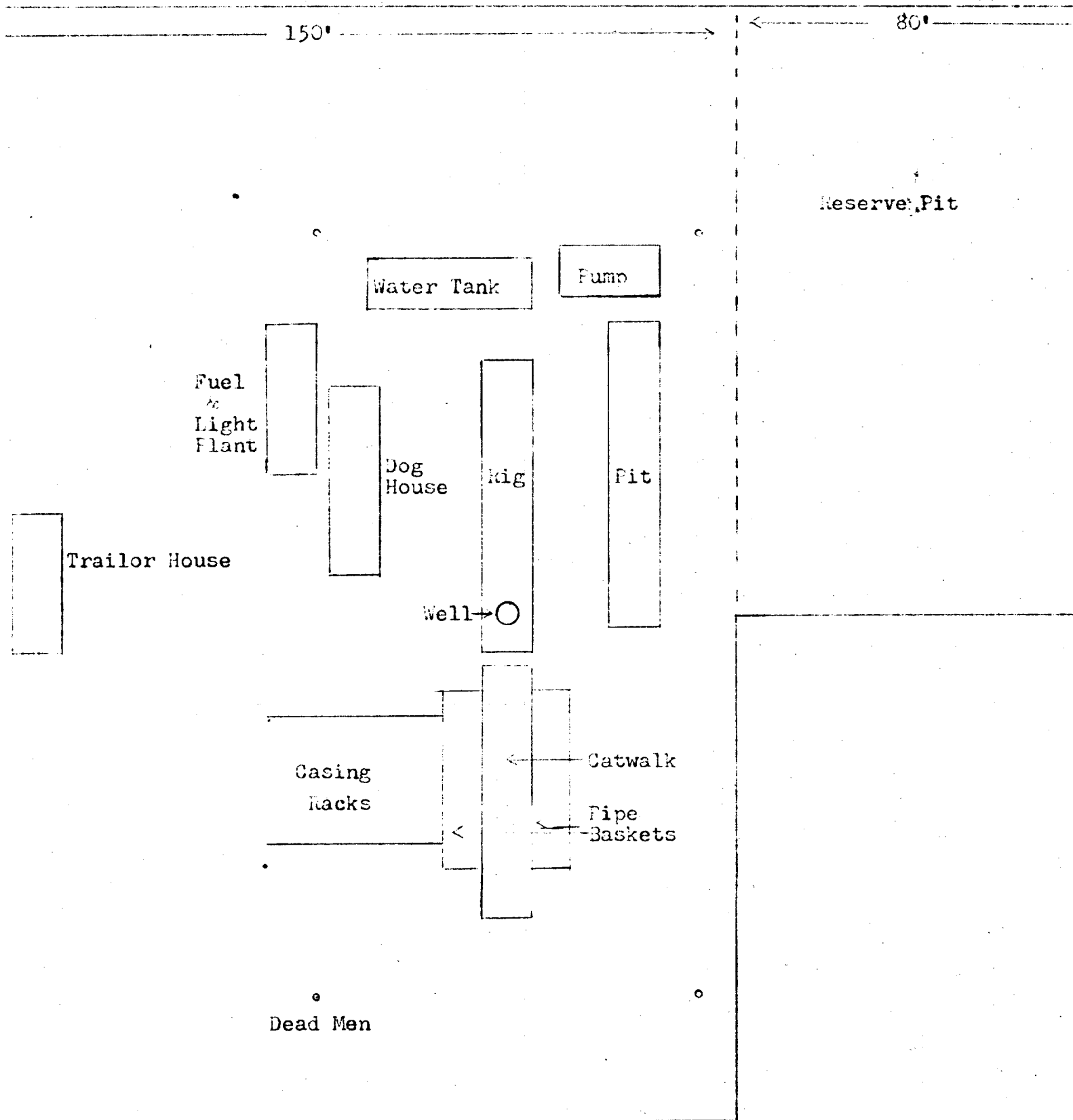
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by CAULKINS OIL CO. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

March 17, 1977

Date

Charles E. Verquer  
Charles E. Verquer, Supt.





Scale - 1 inch = 25'

Well Number 545

SW SW Section 35 27N 6W

Rio Arriba County, New Mexico