

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-039-21996

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  
 Post Office Box 780, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 1493' from the West line and 967' from the South Line  
 At proposed prod. zone  
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 35 miles Southeast of Blanco, New Mexico

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 967

16. NO. OF ACRES IN LEASE  
 2400

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 W 320.70 / 160.71

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 175'

19. PROPOSED DEPTH  
 7500

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6663 Ground

22. APPROX. DATE WORK WILL START\*  
 April 1, 1979

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	9 5/8"	36#	300'	Sufficient to Circulate
8 3/4"	7"	23 & 26#	7500	1250 sacks

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

It is proposed to drill well to 7500' using 9# Gel based mud. Float will be run in drill pipe at bit. ES Induction, Density and Caliper logs will be run in open hole if possible.

New 7" 23# & 26# J-55 Smls Casing will be cemented top to bottom with sufficient cement to circulate. Pipe will be cemented in 3 stages. Casing will have rotating scratchers over Chacra, Mesa Verde and Dakota zones. Stage tools will be run below Point Lookout zone and between Pictured Cliffs and Chacra Zones. Centralizers will also be run thru pay zones.

A Schaeffer 10" Model LWP, 6000# test blowout preventor will be in use at all times while drilling and cementing. Preventor will be tested each day.

(Over)

*gas is dehydrated*

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. Deque TITLE Superintendent DATE Jan. 10, 1979

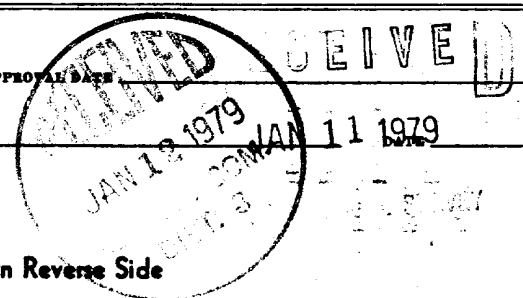
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE 11 1979

CONDITIONS OF APPROVAL, IF ANY:

*ck Frank*



\*See Instructions On Reverse Side

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

New 2 3/8" OD EUE 8rd thd. J-55 Smls tubing will be run to the Dakota Zone with a Production Packer set between the Mesa Verde Zone and Dakota Zone.

New 2 3/8" OD EUE 8rd thd. J-55 Smls tubing will be run to the Mesa Verde Zone for production from Chacra and Mesa Verde Zones.

Completion of the well as shown above subject to approval by New Mexico Energy Division for commingling of the Chacra and Mesa Verde Zones.

All zones shall be fractured to stimulate production.

**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.

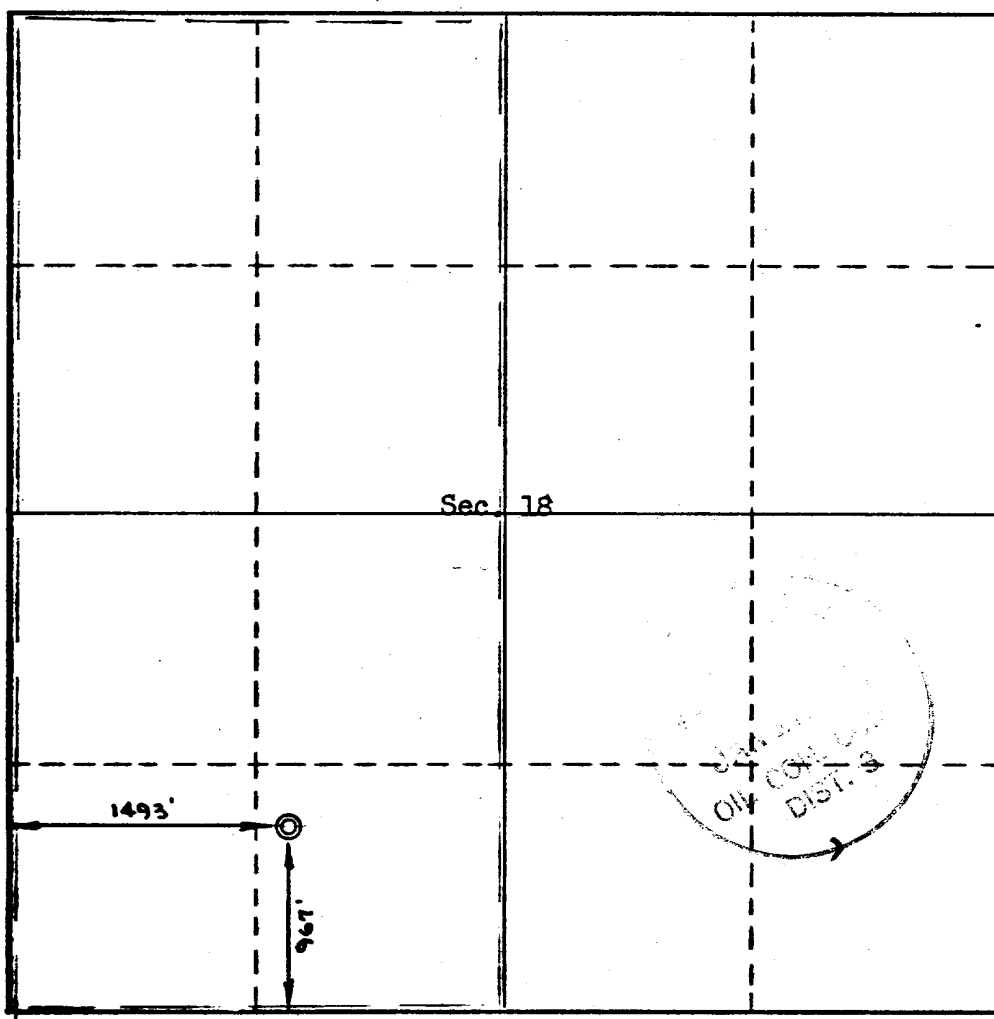
Operator <b>Caulkins Oil Company</b>			Lease <b>NM 03733</b>		Well No. <b>812</b>
Unit Letter <b>N</b>	Section <b>18</b>	Township <b>26 North</b>	Range <b>6 West</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>967</b> feet from the <b>South</b> line and <b>1493</b> feet from the <b>West</b> line					
Ground Level Elev. <b>6663</b>	Producing Formation <b>Dakota</b>		Pool <b>Basin Dakota</b>		Dedicated Acreage: <b>320.20</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.

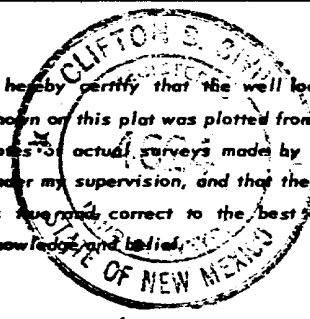


**CERTIFICATION**

*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.*

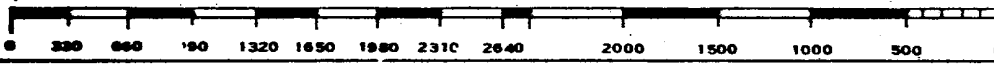
Name: *Charles E. Viquez*  
 Position: **Superintendent**  
 Company: **Caulkins Oil Company**  
 Date: **1-10-79**

*I hereby certify that the well location shown on this plat was plotted from field notes or 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: **December 29, 1978**  
 Registered Professional Engineer and/or Land Surveyor

Certificate No. **4624**  
**Clifton S. Sivil IS**



**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

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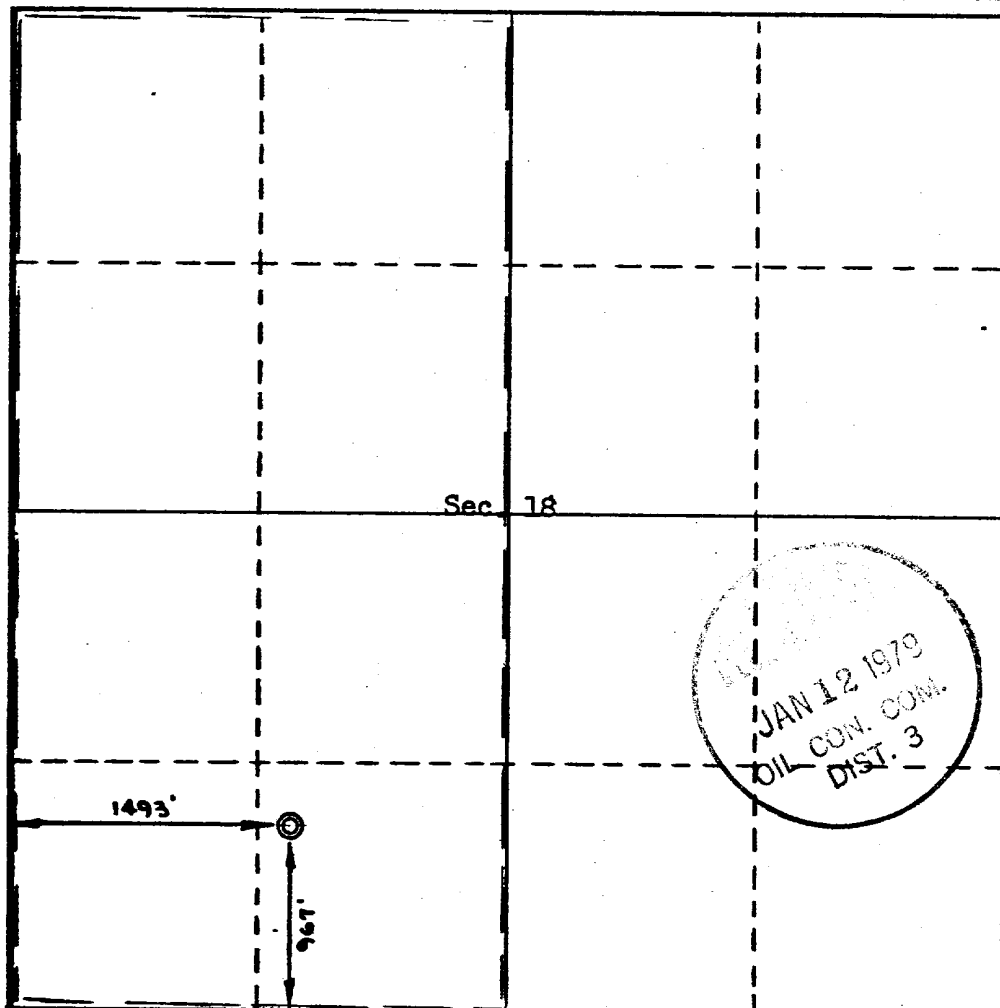
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Unit Letter <b>N</b>	Section <b>18</b>	Township <b>26 North</b>	Range <b>6 West</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>967</b> feet from the <b>South</b> line and <b>1493</b> feet from the <b>West</b> line					
Ground Level Elev. <b>6663</b>	Producing Formation <b>Mesa Verde</b>	Pool <b>Elanco Mesa Verde</b>	Dedicated Acreage: <b>320.20</b> Acres		

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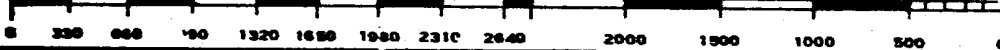
Yes     No    If answer is "yes," type of consolidation \_\_\_\_\_

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.



<b>CERTIFICATION</b>
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
Name <i>Charles E. Clifton</i>
Position <b>Superintendent</b>
Company <b>Caulkins Oil Company</b>
Date <b>1-10-79</b>
I hereby certify that the well location shown on this plat was plotted from field notes to actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge. <i>Clifton S. Civil</i>
<b>CLIFTON S. CIVIL</b> REGISTERED PROFESSIONAL ENGINEER AND/OR LAND SURVEYOR STATE OF NEW MEXICO
Date Surveyed <b>December 29, 1978</b>
Registered Professional Engineer and/or Land Surveyor
Certificate No. <b>4624</b> <b>Clifton S. Civil IS</b>



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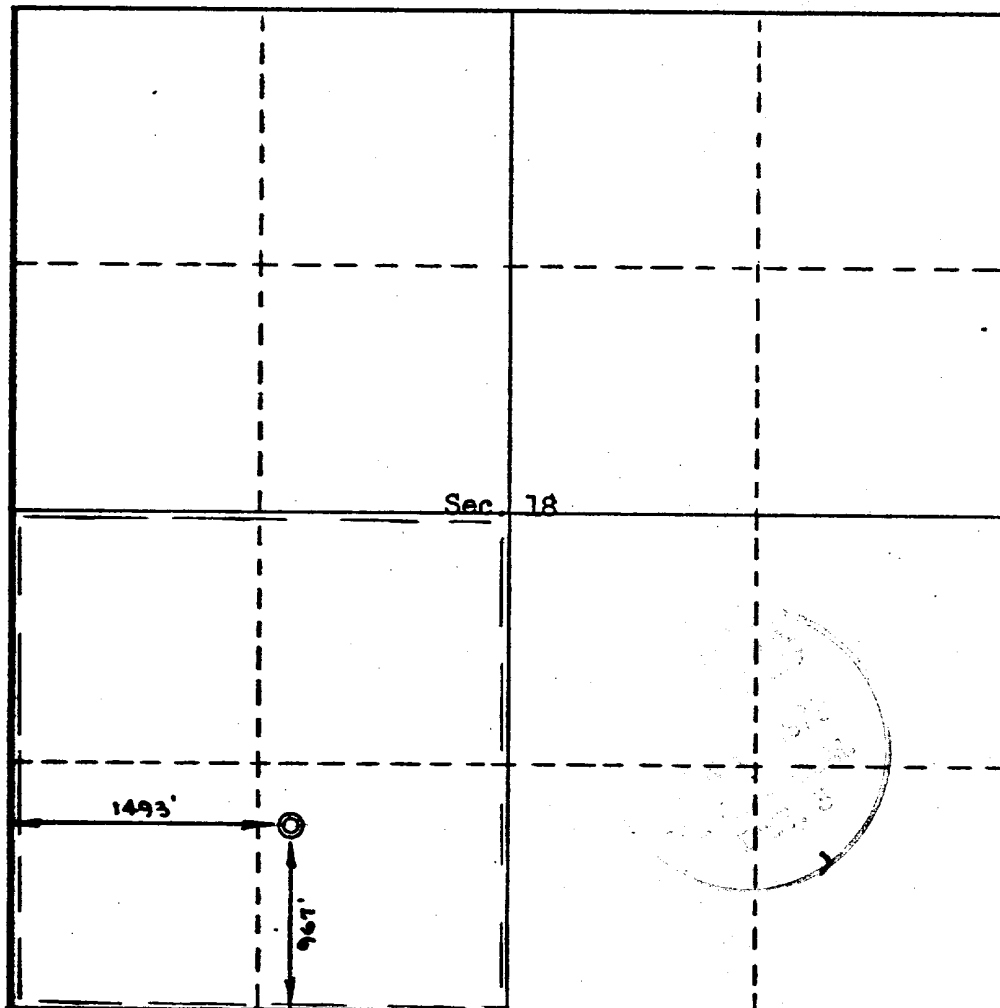
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Actual Footage Location of Well: <b>967</b> feet from the <b>South</b> line and <b>1493</b> feet from the <b>West</b> line				
Ground Level Elev. <b>6663</b>	Producing Formation <b>Chacra</b>	Pool <b>Otero Chacra</b>	Dedicated Acreage: <b>160.71</b> Acres	

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**CERTIFICATION**

*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.*

Name: *Charles E. Dugue*  
 Position: **Superintendent**  
 Company: **Caulkins Oil Company**  
 Date: **1-10-79**

*I hereby certify that the well location shown on this plat was plotted from field notes or 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: **December 29, 1978**  
 Registered Professional Engineer and/or Land Surveyor

Certificate No. **4624**  
**Clifton S. Sivil IS**



# CAULKINS OIL CO.

Post Office Box 780  
Farmington, New Mexico 87401

Date January 10, 1979

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. 312, located in SW $\frac{1}{4}$  of Section 18, 26 North, 6 West, Rio Arriba County, New Mexico.

- (1) (3) Existing roads and wells in area shown on Topo Map.
- (2) No new roads required for this location
- (4) A 210 bbl. stock tank and water, oil and gas separator will be set on location approx. 100' from well. Oil produced will be hauled as needed to pipeline delivery tank located in NW $\frac{1}{4}$  of Section 9, 26 North 6West, Rio Arriba County, New Mexico. Gas Company of New Mexico will purchase gas and furnish all facilities downstream of oil, water and gas separator. A pit 12' X 12' X 4' will be built next to sparator and tank, then fire-wall will be built around tank, pit and separator. Fence will be built outside of firewall. Note: Permission for unlined pit will be requested after well completed and daily water production determined.
- (5) Water will be hauled from Caulkins Oil Company water well No. 130, located in NW $\frac{1}{4}$  of Section 9 26N 6W, Rio Arriba County, New Mexico. Water well identified on topo map with red circle. Roads used to transport water also marked in red.
- (6)(8) No camp or construction materials needed for roads or location.
- (9) Layout plat for location and reserve pit attached. Location lays on 1% slope. A 2' cut on SE side of location will be required to build location. Reserve pit will be built from earth materials, banks will be packed by tractor. Reserve pit will not be lined.
- (10) All disturbed area will be cleaned up then reseeded with 2 1/2# Crested Wheatgrass, 2 1/2# Smooth Brome, 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 location will be on ~~From~~ existing road. Vegetation on area to be disturbed for roads and location is Sage Brush, Blue Gama, Juniper and Cedar

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(12) Operator's representative:

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

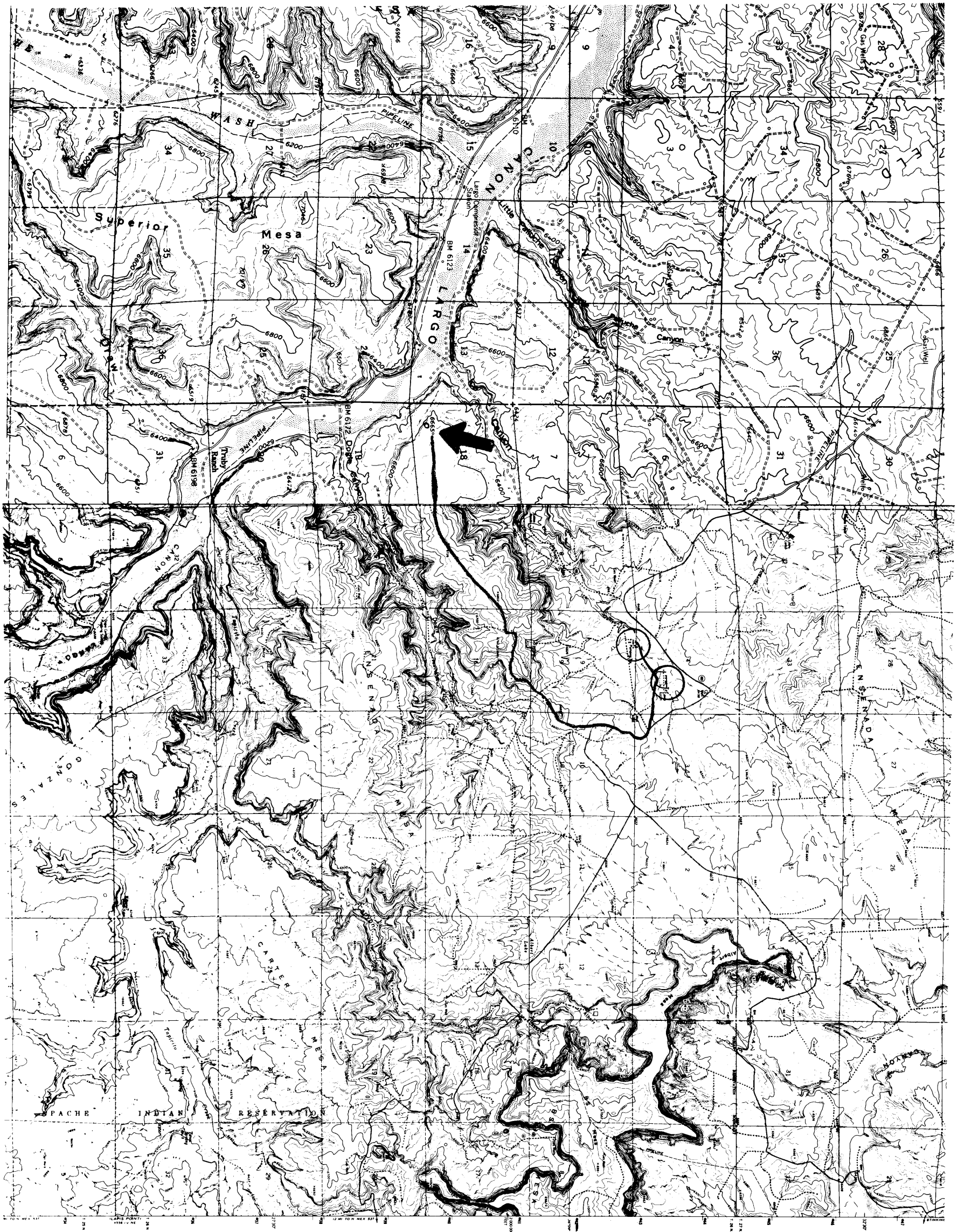
Phone: 325 0481

(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 will be performed by CAULKINS OIL COMPANY and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

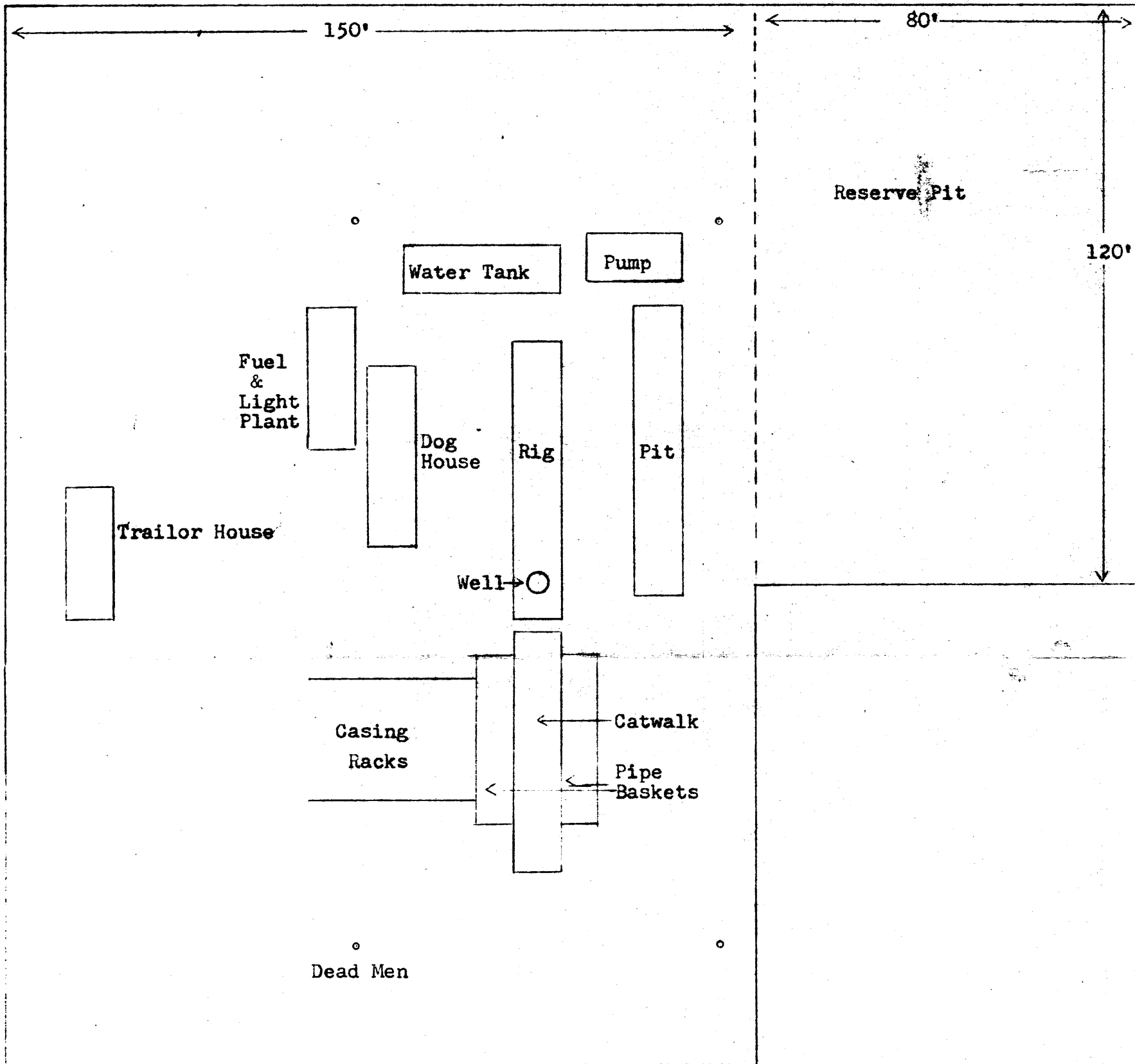
January 10, 1979  
Date

  
Charles E. Verquer, Supt.  
Caulkins Oil Company





NORTH



Scale - 1 inch = 25'

Well Number Breech 812

SW $\frac{1}{4}$  Section 18 26N 6W

Rio Arriba County, New Mexico

