

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-039-82326

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 780, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 960' F/N and 850' F/W  
 At proposed prod. zone  
 Same

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

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 1320'

16. NO. OF ACRES IN LEASE  
 1760

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 320 Infil / 160 / 80

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 800'

19. PROPOSED DEPTH  
 7575'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6615 Gr.

22. APPROX. DATE WORK WILL START\*  
 May 1, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15 1/4"	10 3/4"	32.75#	300'	Sufficient to circulate
8 3/4"	7"	23 & 26#	7575'	1200 sacks

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

It is proposed to drill well to 7575' 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.

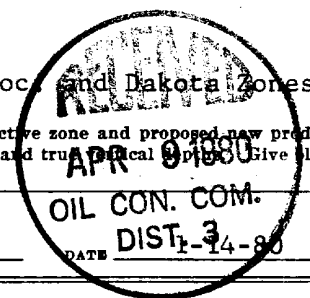
New 7" 23 & 26# J-55 Smls. casing will be cemented top to bottom with sufficient cement to circulate. Pipe will be cemented in 3 stages. Casing will have rotating scratchers over Chacra, Mesa Verde and Dakota Zones. Stage tools will be run below Point Lookout Zone and between Pictured Cliffs and Chacra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

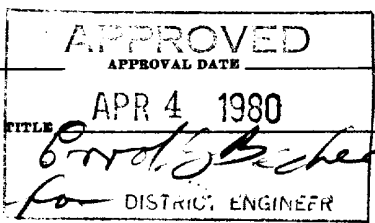
Well will be completed in Chacra, Mesa Verde, Tapacito Gallup Assoc. and Dakota Zones.  
(OVER)

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 preventor program, if any.

24. SIGNED Charles E. DeGuzman TITLE Superintendent



(This space for Federal or State office use)



DATE JAN 18 1980

PERMIT NO. \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

DEPARTMENT OF THE INTERIOR AUTHORIZED AREAS

at San Jose

U. S. GEOLOGICAL SURVEY

## 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.

★ U.S. GOVERNMENT PRINTING OFFICE : 1963-O-711-398

Chacra and Mesa Verde will be commingled above packer and Tapacito Gallup and Dakota below packer. This completion, subject to approval by New Mexico Oil Conservation Division, Hearing scheduled January 30, 1980.

New 2 3/8" OD EUE tubing will be run to Dakota perforations for Commingled Tapacito Gallup and Dakota production.

New 1 1/4" NU 10rd thd tubing will be run to Mesa Verde perforations for Chacra and Mesa Verde production.

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.

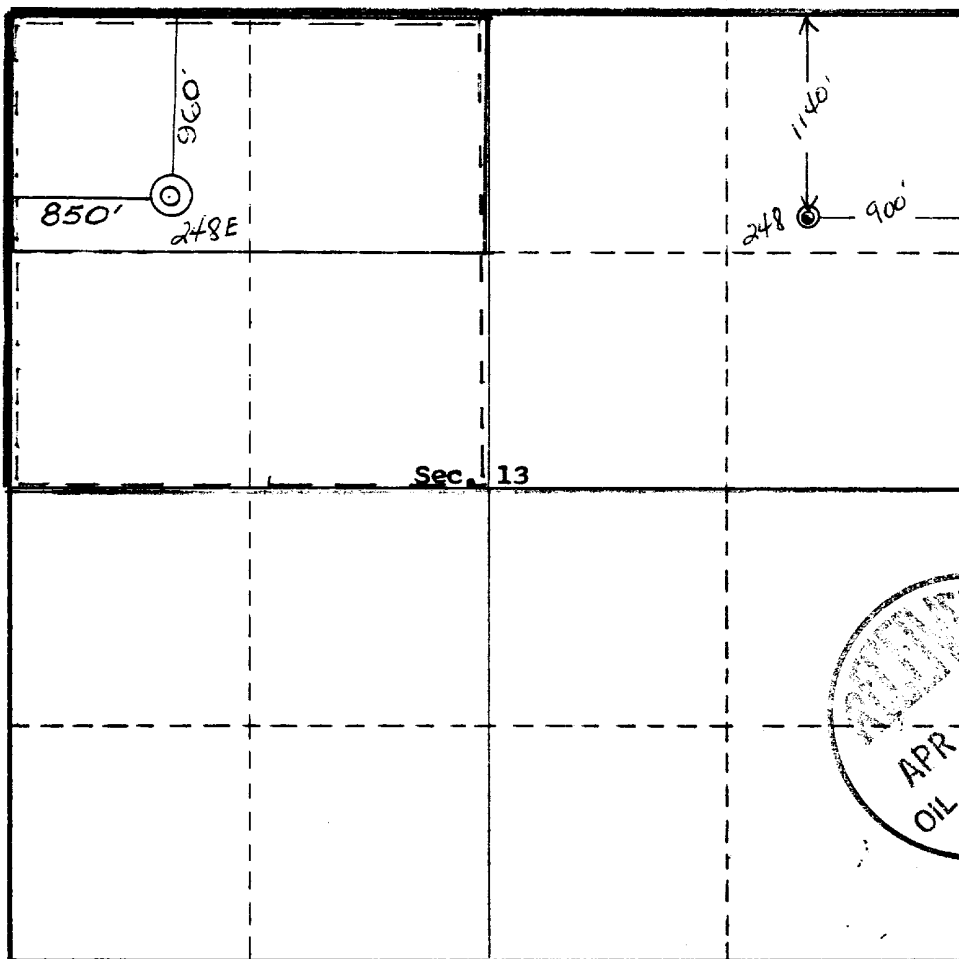
Operator <b>CAULKINS OIL COMPANY</b>			Lease <b>BREECH "C"</b>		Well No. <b>248-E</b>
Unit Letter <b>D</b>	Section <b>13</b>	Township <b>26 NORTH</b>	Range <b>6 WEST</b>	County <b>RIO ARRIBA</b>	
Actual Footage Location of Well: <b>960</b> feet from the <b>NORTH</b> line and <b>850</b> feet from the <b>WEST</b> line					
Ground Level Elev. <b>6615.0</b>	Producing Formation <b>Chacra, Mesa Verde-Gallup-Dakota</b>		Pool <b>Otero Chacra, Blanco Mesa Verde-Tapacito</b>	Basin <b>Dakota</b>	Dedicated Acreage: <b>80</b> Gall up <b>160</b> Chacra <b>320</b> MV & Dak. 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.

*Charles E. Verquer*  
Name

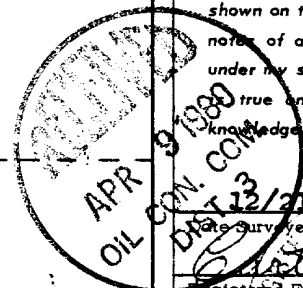
Charles E. Verquer  
Position

Superintendent  
Company

Caulkins Oil Company  
Date

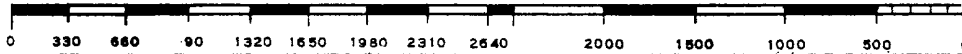
1-10-80

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 are true and correct to the best of my knowledge and belief.



*Curtis C. Stocking*  
Date Surveyed  
Registered Professional Engineer  
and/or Land Surveyor  
Curtis C. Stocking

5980  
Certificate No.



# CAULKINS OIL CO.

Post Office Box 780

Farmington, New Mexico 87401

January 14, 1980

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. 248 E, located in NW $\frac{1}{4}$  of Section 13, 26 North, 6 West, Rio Arriba County, New Mexico.

- (1) (3) Existing roads and wells in area shown on Topo Map.
- (2) 1800' of New road required to build location, Drill and maintain well. Road will be built on Gas Company of New Mexico pipeline right-o-way, therefore no new surface to be disturbed.
- (4) Two 400 BBl's. stock tanks and water, oil and gas separators 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 6 West, 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 separator and tank, then firewall 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, 26 North 6 West, 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 5% slope. A 6 cut on West 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 1800' from existing road. Vegetation on area to be disturbed for roads and location is Sage Brush, and Blue Gama.

(12) Operator's representative:

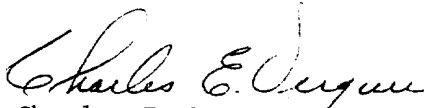
Charles E. Verquer, Supt.  
Post Office Box 780  
Farmington, New Mexico 87401

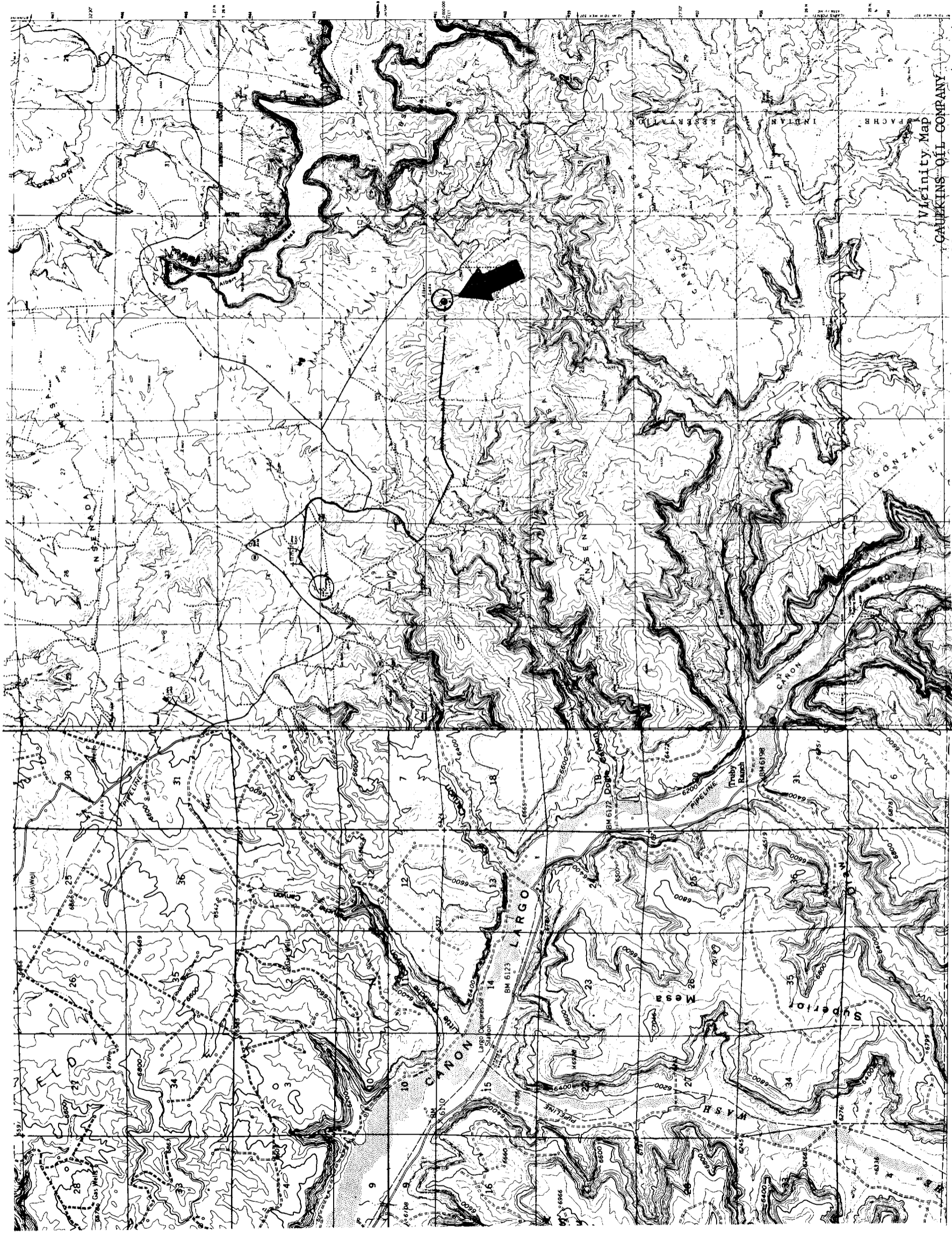
Phone: 325-0481

(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 14, 1980

  
Charles E. Verquer, Supt.  
Caulkins Oil Company



Vicinity Map

GAUKKINS OIL COMPANY

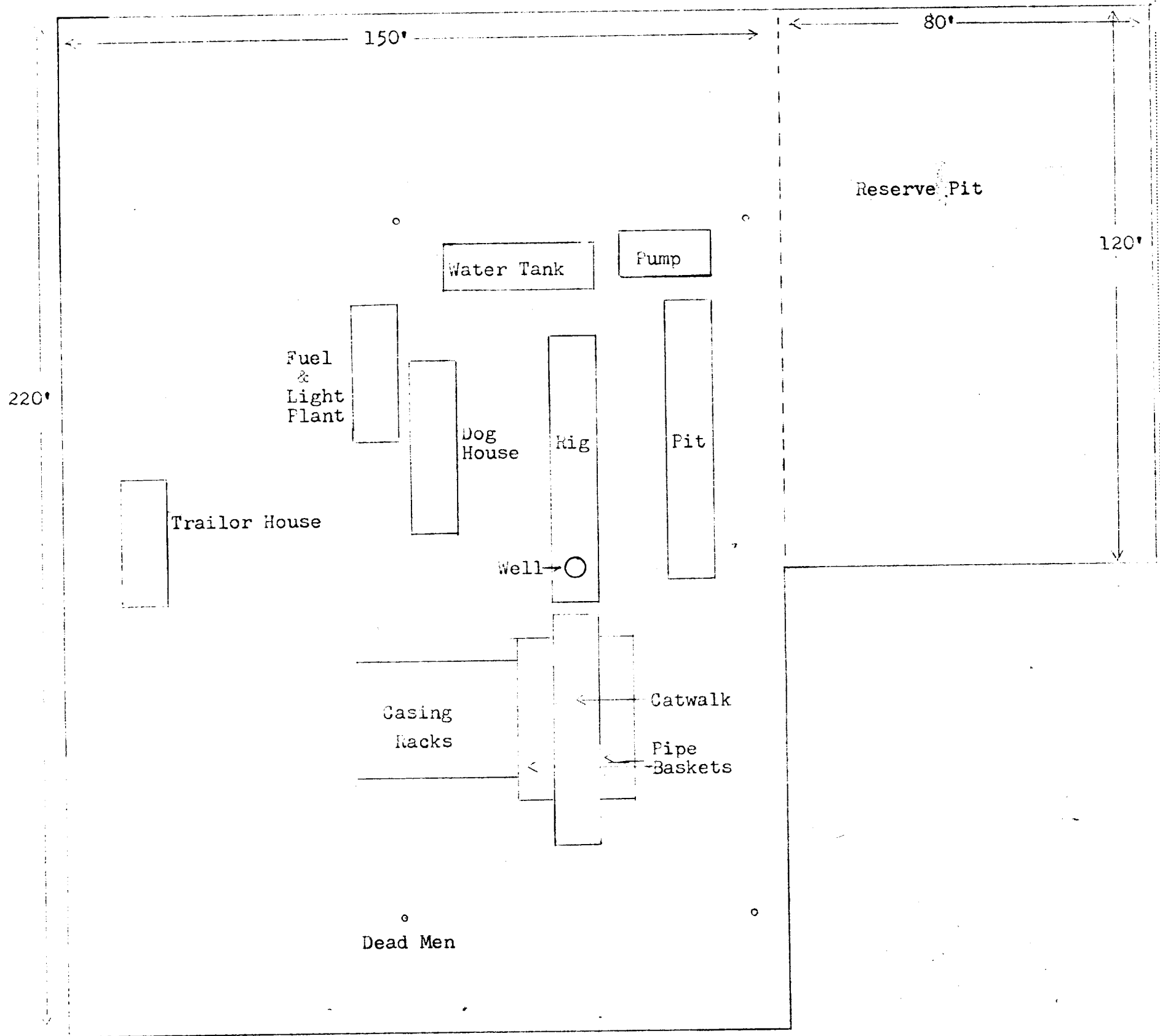
Well Location in the NW/4 NW/4  
Sec. 13, T26N, R6W, N.M.P.M.,  
Rio Arriba County, New Mexico  
Scale: 1" = 1 Mile



BY \_\_\_\_\_ DATE \_\_\_\_\_  
CHKD. BY \_\_\_\_\_ DATE \_\_\_\_\_

SUBJECT \_\_\_\_\_

SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_  
JOB NO. \_\_\_\_\_



Scale - 1 inch = 25'

Location and Equipment Layout  
Well Number 248 E  
NW $\frac{1}{4}$  Section 13, 26 North 6 West  
Rio Arriba County, New Mexico

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
**Cookins Oil Company**

3. ADDRESS OF OPERATOR  
**P.O. Box 789, Farmington, New Mexico**

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE **960' T/W and 850' T/W**  
AT TOP PROD. INTERVAL: **Same**  
AT TOTAL DEPTH: **Same**

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) <b>Supplement To APD</b>			

5. LEASE <b>MM- 03554</b>	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME <b>Breach C</b>	
9. WELL NO. <b>248 E</b>	
10. FIELD OR WILDCAT NAME <b>Otero Chacra, Blanco MV, Tapacito Gallup, Basin Dak.</b>	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Section 13, 26 N 0W</b>	
12. COUNTY OR PARISH <b>Rio Arriba</b>	13. STATE <b>New Mexico</b>
14. API NO.	
15. ELEVATIONS (SHOW DF, KDB, AND WD) <b>6615 Gr.</b>	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**Estimated Formation Tops:**

<b>Alamo</b>	<b>2421</b>	<b>Tapacito Gallup</b>	<b>6780</b>
<b>Pictured Cliffs</b>	<b>3055</b>	<b>Greenhorn</b>	<b>7205</b>
<b>Chacra</b>	<b>3962</b>	<b>Graneros</b>	<b>7289</b>
<b>Cliff House</b>	<b>4711</b>	<b>Dakota</b>	<b>7413</b>
<b>Point Locknut</b>	<b>5335</b>		

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Charles Dequar TITLE **Superintendent** DATE **3-11-80**

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

MAR 24 1980



## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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 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 17:** Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.