

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-039-21527  
4. LEASE DESIGNATION AND SERIAL NO.  
N M 03381  
5. IF INDIAN, ALLOTTEE OR TRIBE NAME

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME  
Breech "B"

9. WELL NO.  
196

10. FIELD AND POOL, OR WILDCAT  
South Blanco Pictured Cliff  
Otero-Chacra

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
Sec. 7 26N 6W

12. COUNTY OR PARISH  
Rio Arriba  
13. STATE  
New Mexico

17. NO. OF ACRES ASSIGNED TO THIS WELL  
160

20. ROTARY OR CABLE TOOLS  
Rotary

22. APPROX. DATE WORK WILL START\*  
6-8-78

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 340, Bloomfield, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface  
1130 from the South and 860 from the East  
At proposed prod. zone  
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
30 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) 1000

16. NO. OF ACRES IN LEASE  
1020

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
860

19. PROPOSED DEPTH  
3770

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6407 Gr.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	120	Sufficient to circulate
7 7/8"	4 1/2"	10.5	3770	approx 700

Surface formation San Jose. No abnormal pressure or temperature anticipated. It is proposed to drill well to 3770' using gel based 9# mud. Float will be run in drill pipe at bit. ES Ind. and Density logs will be run in open hole. New 4 1/2" 10.5# H-40 casing will be cemented at TD with 700 sacks 50-50 pos cement containing 12# gel per sack followed by 100 sacks Neat cement. Casing will have rotating scratchers and centralizers thru Pictured Cliffs and Chacra.

Baker Model "R" production packer will be run on 1 1/4" IJ 2.3# tubing. Tubing will be set at top of Chacra zone with packer below Pictured Cliffs perforations.

New 1" NU 10rd thd. V-55 tubing will be run to top of Pictured Cliffs perforation. Pictured Cliffs and Chacra will be sand water frac'ed to stimulate prod.

A Shaffer 8" Model LWP, 6000# test, 3000# WP Blowout preventor will be in use at all times while drilling below 120'. Blowout preventor will be tested at least once during each 24 hours day.

*Gas is dedicated*  
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.

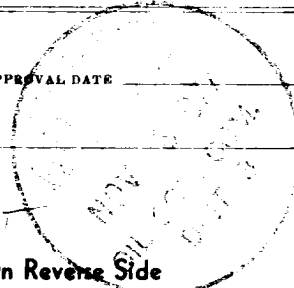
24. SIGNED *Charles Enriquez* TITLE Superintendent DATE 10-28-77

(This space for Federal or State office use)

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

APPROVED BY *Okas* TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-102  
Supersedes O-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

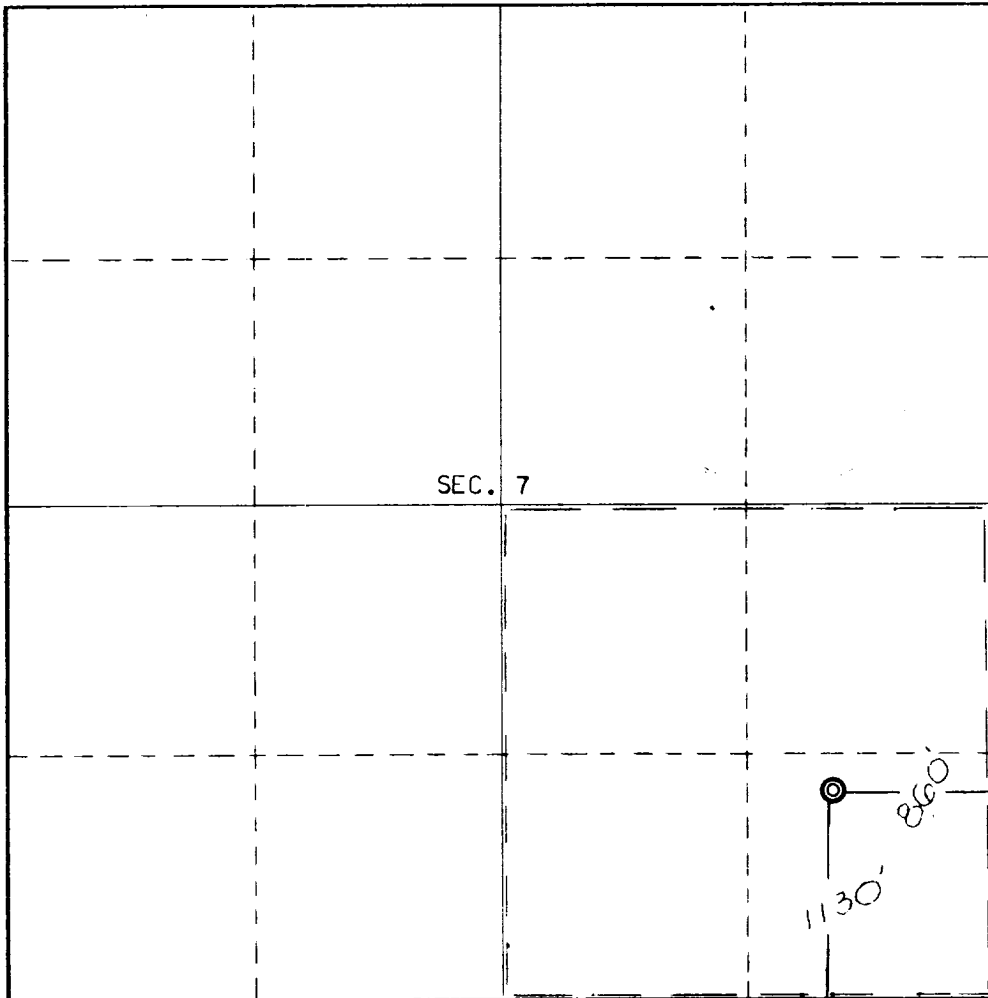
Owner <b>Caulkins Oil Company</b>			Lease <b>NM 03381</b>		Well No. <b>196</b>
Map Letter <b>P</b>	Section <b>7</b>	Township <b>26 North</b>	Range <b>6 West</b>	County <b>Rio Arriba</b>	
Actual Well Location of Well:					
<b>1130</b>	feet from the	<b>South</b>	line and	<b>860</b>	feet from the <b>East</b> line
Ground Level Elev. <b>6407</b>	Production Formation <b>Pictured Cliffs Chacra</b>		Pool <b>South Blanco Otero Chacra</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.) \_\_\_\_\_

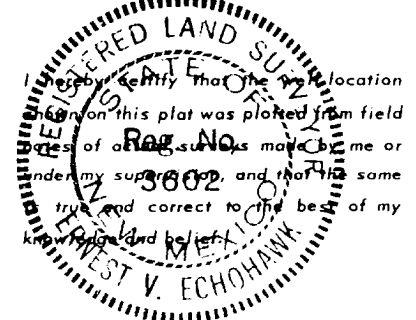
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



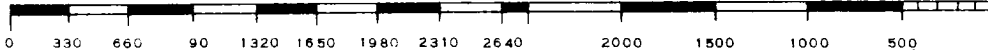
CERTIFICATION

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

Name: *Richard E. Dejean*  
Position: **Superintendent**  
Company: **Caulkins Oil Company**  
Date: **Oct. 26, 1977**



Date Surveyed: **October 18, 1977**  
Registered Professional Engineer and/or Land Surveyor  
*E.V. Echohawk*  
Certificate No. **3602**  
**E.V. Echohawk LS**



# CAULKINS OIL CO.

Post Office Box 780  
Farmington, New Mexico 87401

Date Oct. 26, 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. 196, located in SE $\frac{1}{4}$  of Section 7, 26 North, 6 West, Rio Arriba County, New Mexico.

(1) (3) Existing roads and wells in area shown on Topo Map.

(2) No new road required.

(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 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) 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 area.

(8) No Camp required.

(9) Layout plat for location and reserve pit attached. Location lays on 2% slope. A 3' cut on North 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 BLM recommended seeding program, 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 Oct. 15. All facilities maintained by Caulkins Oil Company shall be painted Green, Number 34127.





