

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
Post Office Box 780, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
1190' from the North and 1850' from East
At proposed prod. zone Same

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

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any) 1850

16. NO. OF ACRES IN LEASE 1760

17. NO. OF ACRES ASSIGNED
TO THIS WELL 160 ✓

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 700

19. PROPOSED DEPTH 3250

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6609 Gr.

22. APPROX. DATE WORK WILL START*
May 8, 1978

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#	100'	Sufficient to circulate
7 7/8"	4 1/2"	10.5	3250	425 sacks

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

It is proposed to drill well to 3250' using gel based 9# mud. Drill pipe float will be used with float installed at bit.. ES Ind. log will be run providing hole conditions permit tools in open hole, if not Neutron log will be run in pipe.

New 4 1/2" 10.5# H-40 casing will be cemented at TD with 325 sacks 50-50 pos containing 6# gel per sack followed by 100 sacks Neat.

Casing will have rotating scratchers and centralizers through PC zone.

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

A Shaffer 8" Model LWP, 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 day.

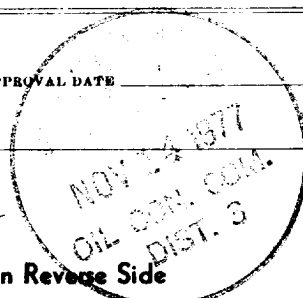
Gas is dedicated
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *Charles E. Cuyum* TITLE Superintendent DATE Oct. 26, 1977
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY: _____

Okal

*See Instructions On Reverse Side



10 8 1977

**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

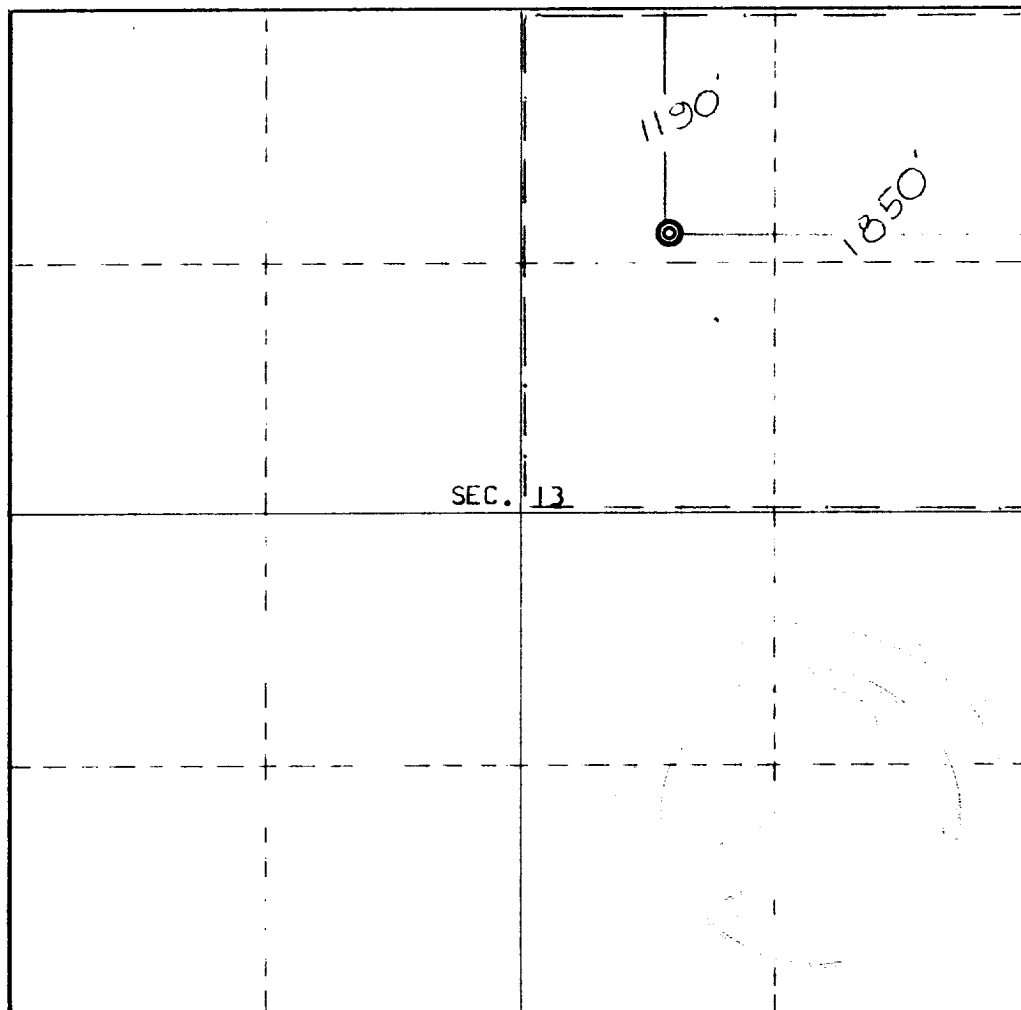
Owner Caulkins Oil Company			Lease 421-03554 Breech C		Well No. 247
Unit Letter B	Section 13	Township 26 North	Range 6 West	County Rio Arriba	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 1190 feet from the North line and 1850 feet from the East line </div>					
Ground Level Elev. 6609	Producing Formation Pictured Cliffs	Pool South Blanco	Dedicated acreage. 160 ✓		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.) _____

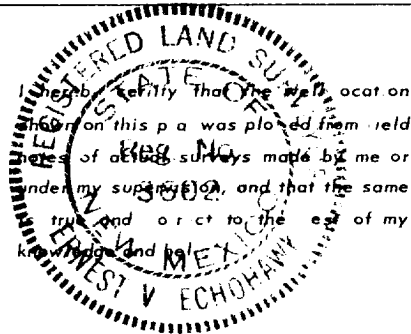
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Name *Charles E. Murphy*
 Position **Superintendent**
 Company **Caulkins Oil Co.**
 Date **10-26-77**



Date Surveyed
October 18, 1977
 Registered Professional Engineer
 and/or Land Surveyor

E.V. Echohawk
 Certificate No. **3602**
E.V. Echohawk LS

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600