

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <del>NM 03773</del> NM 037133		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		8. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR Caulkins Oil Company		7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR P.O. Box 780 Farmington, New Mexico 87499		8. FARM OR LEASE NAME Breech		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 980' From East and 1618' From North At proposed prod. zone Same		9. WELL NO. 854		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 27 miles Southeast of Blanco, New Mexico		10. FIELD AND POOL, OR WILDCAT Blanco Mesa Verde-Basin Dakot		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 980'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 24, 26 North 7 West		
16. NO. OF ACRES IN LEASE 2400		12. COUNTY OR PARISH Rio Arriba		
17. NO. OF ACRES ASSIGNED TO THIS WELL N/ 320		13. STATE New Mexico		
18. PROPOSED DEPTH 300' DRILLING OPERATIONS ANTICIPATED ARE 6900'		14. ROTARY OR CABLE TOOLS		
19. ELEVATIONS (Show whether DF, RT, GR, etc.) 6149 Gr.		21. APPROX. DATE WORK WILL START* Aug. 25, 1984		
20. PROPOSED CASING AND CEMENTING PROGRAM This action is subject to administrative appeal pursuant to 30 C.F.R. 230.		22. APPROX. DATE WORK WILL START*		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36#	600'	250 sacks (295 Cu.Ft.)
7 7/8"	5 1/2"	15.5 & 17#	6900'	1300 Sacks (2000 Cu.Ft.)

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

It is proposed to drill new hole, surface to 6900' using 9.0 Gel based mud. Float will be run in drill pipe at bit. ES Induction Log will be run in open hole if possible.

A Schaeffer 10" Model LWP 6000# test BOP will be in use at all times while drilling below surface casing. BOP will be tested at least one time during each 24 hour period and results recorded on daily drilling report.

New 9 5/8" 36# surface casing will be set approx 600' and cemented with sufficient cement to circulate to surface.

(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 preventer program, if any.

24. SIGNED Charles E. Deque TITLE Superintendent DATE 5-25-84

(This space for Federal or State office use)

PERMIT NO. RECEIVED APPROVAL DATE APPROVED AS AMENDED

APPROVED BY JUN 28 1984 TITLE NMOCC DATE JUN 26 1984

CONDITIONS OF APPROVAL IF ANY Oil Con. Dist. 3 See Instructions On Reverse Side James E. Edwards, Jr.  
M. MILLENBACH  
Acting AREA MANAGER

New 5 1/2" 15.5 & 17# J-55 Smls 8rd thd casing will be cemented in 3 stages with tools set below Point Lookout Sands and below Pictured Cliffs Sands

Centralizers will be run on casing thru Mesa Verde and Dakota Zones.

All zones will be perforated and fractured to stimulate production.

Subject to approval by New Mexico Oil Conservation, well will be dual completed in Mesa Verde and Dakota zones.

New 1 1/2" NU Tubing will be run for Mesa Verde Zone.

New 1 1/2" EUE Tubing will be run for Dakota Zone.

Gas produced from this well contracted to Gas Company of New Mexico.

Estimated Formation Tops:

Alamo	1573'
Pictured Cliffs	2326'
Chacra	3213'
Cliff House	3993'
Point Lookout	4612'
Gallup	5910'
Greenhorn	6537'
Graneros	6631'
Dakota	6733'

All distances must be from the outer boundaries of the Section

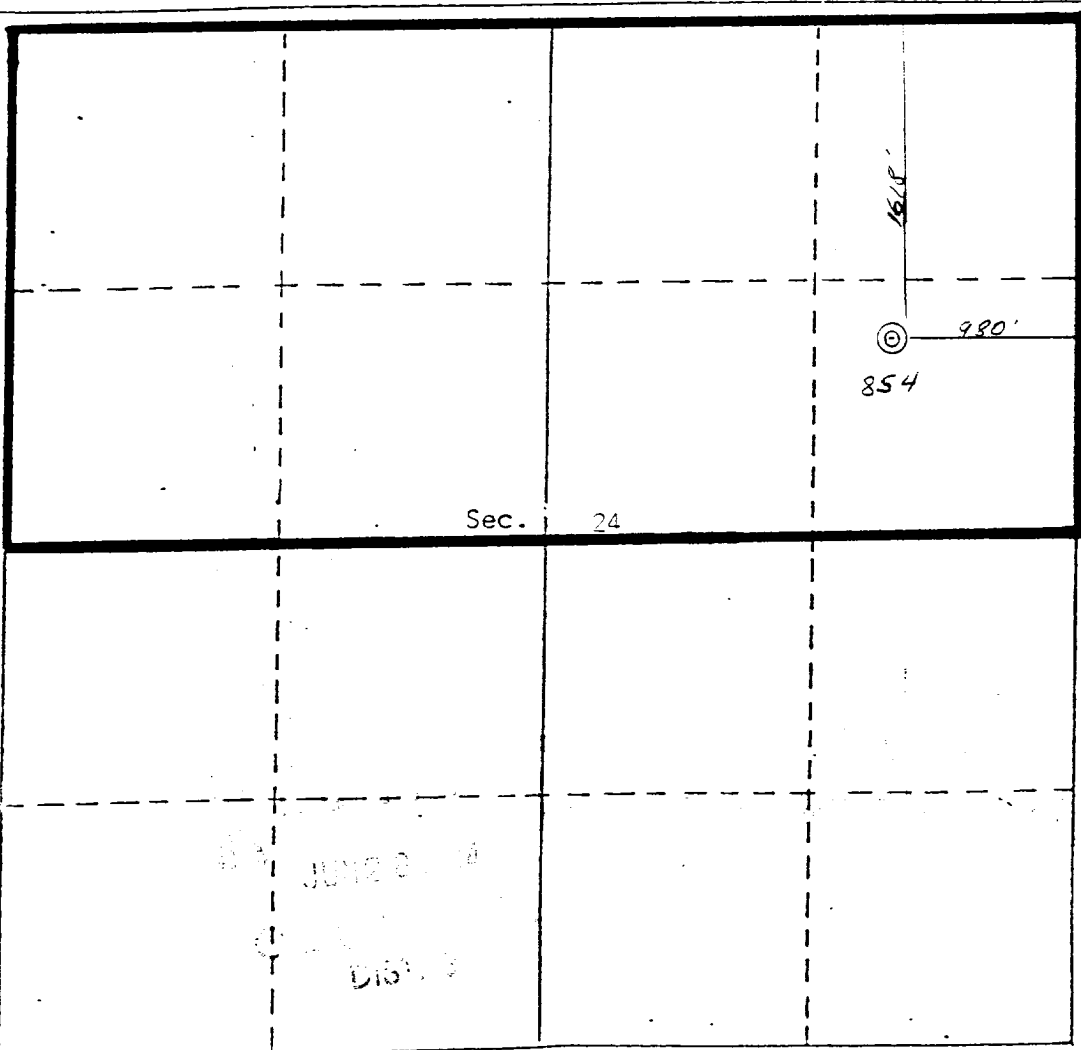
Operator CAULKINS OIL COMPANY			Lease Breech		Well No. 854
Unit Letter H	Section 24	Township 26 NORTH	Range 7 WEST	County RIO ARriba	
Actual Footage Location of Well: 1618 feet from the NORTH line and 980 feet from the EAST line					
Ground Level Elev. 6149	Producing Formation Dakota-Mesa Verde		Pool Basin Dakota-Blanco Mesa Verde		Dedicated Acreage: 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 Division



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

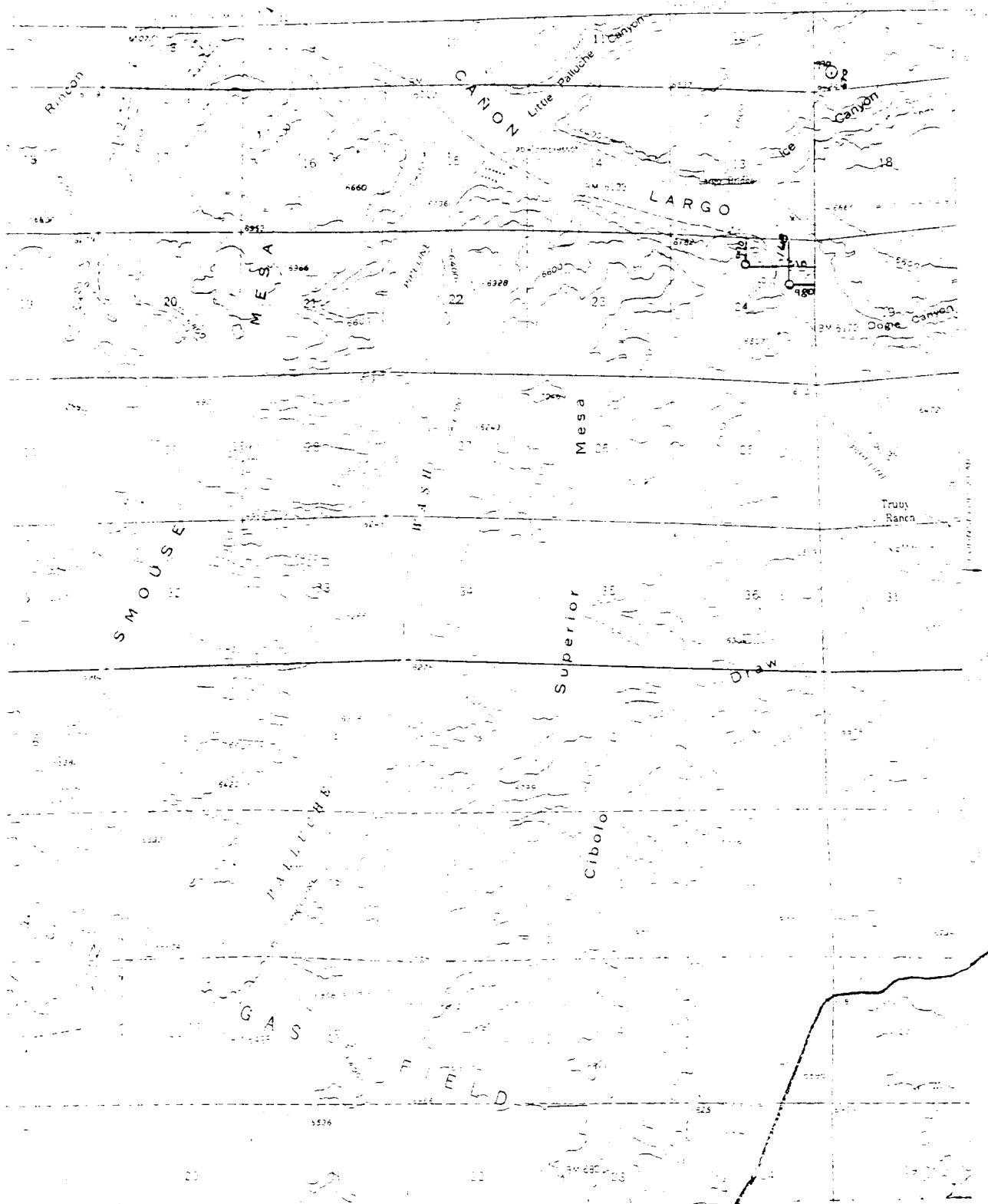
Date  
5-25-84

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

15 November 1984  
Date Examined  
*Curtis C. Stocking*  
Registered Professional Engineer  
and/or Land Surveyor  
Curtis C. Stocking  
Certificate No.  
5980

NAGEEZI QUADRANGLE  
NEW MEXICO  
15 MINUTE SERIES TOPOGRAPHIC

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VICINITY MAP  
CAULKINS OIL COMPANY  
Well Location in  $S\frac{7}{4}$  NE/4 of Sec. 24, T26N,  
R7W, N.M.P.M., Rio Arriba County, New Mexico  
Scale: 1" = 1 Mile