

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

12. 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, F.D.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1520' From South & 990' From East

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

40 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)

990'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1200'

16. NO. OF ACRES IN LEASE

1920

17. NO. OF ACRES ASSIGNED
TO THIS WELL

E/320 Infil

19. PROPOSED DEPTH

7660'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, ET, GR, etc.)

6723 Gr.

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED

"GENERAL REQUIREMENTS"
PROPOSED CASING AND CEMENTING PROGRAM

22. APPROX. DATE WORK WILL START*

July 1, 1984

This action is subject to administrative
appeal pursuant to 30 CFR 290.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	9 5/8"	32.30#	400'	Sufficient to circulate to surface
7 7/8"	5 1/2"	15.5# & 17#	7620'	3 stages - 2000 Cu. Ft.

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

It is proposed to drill new hole, surface to 7620' 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" 32.30# H-40 8rd thd, short collars surface casing will be set at approx 400' and cemented with sufficient cement to circulate to surface.

New 5 1/2" 15.5# & 17# K-55 short & long collar 8rd thd Smls casing will be

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. Dargatzis*

TITLE Superintendent

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED

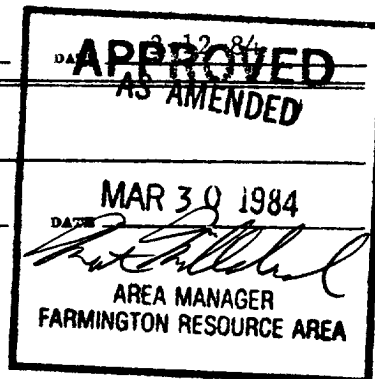
TITLE

CONDITIONS OF APPROVAL: APR 30 1984

OIL CON. DIV. *sh*
DIST. 3

NMOCC

*See Instructions On Reverse Side



cemented top to bottom, in 3 stages. First stage thru shoe with 412.5 Cu. Ft. 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu. Ft. Neat Cement.

Second stage thru tool set at approx 5600' with 412.5 Cu. Ft. 50 50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu. Ft. Neat Cement.

Thrid stage thru tool set at approx 3500' with 825 Cu. Ft. 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu. Ft. Neat Cement.

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

Well will be completed in Mesa Verde and Dakota Zones.

All Zones will be perforated and fractured to stimulate production.

Packer will be set between Mesa Verde and Dakota Zone.

New 1 1/2" EUE 2.90# V-55 10rd thd smls tubing will be run thru Packer to Dakota Zone

New 1 1/4" NU 2.33# V-55 10rd thd smls tubing will be run for Mesa Verde production.

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

Estimated Formation Tops:

Alamo	2460'
Pictured Cliffs	3060'
Chacra	3940'
Mesa Verde	4722
Graneros	7184'
Dakota	7384'

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

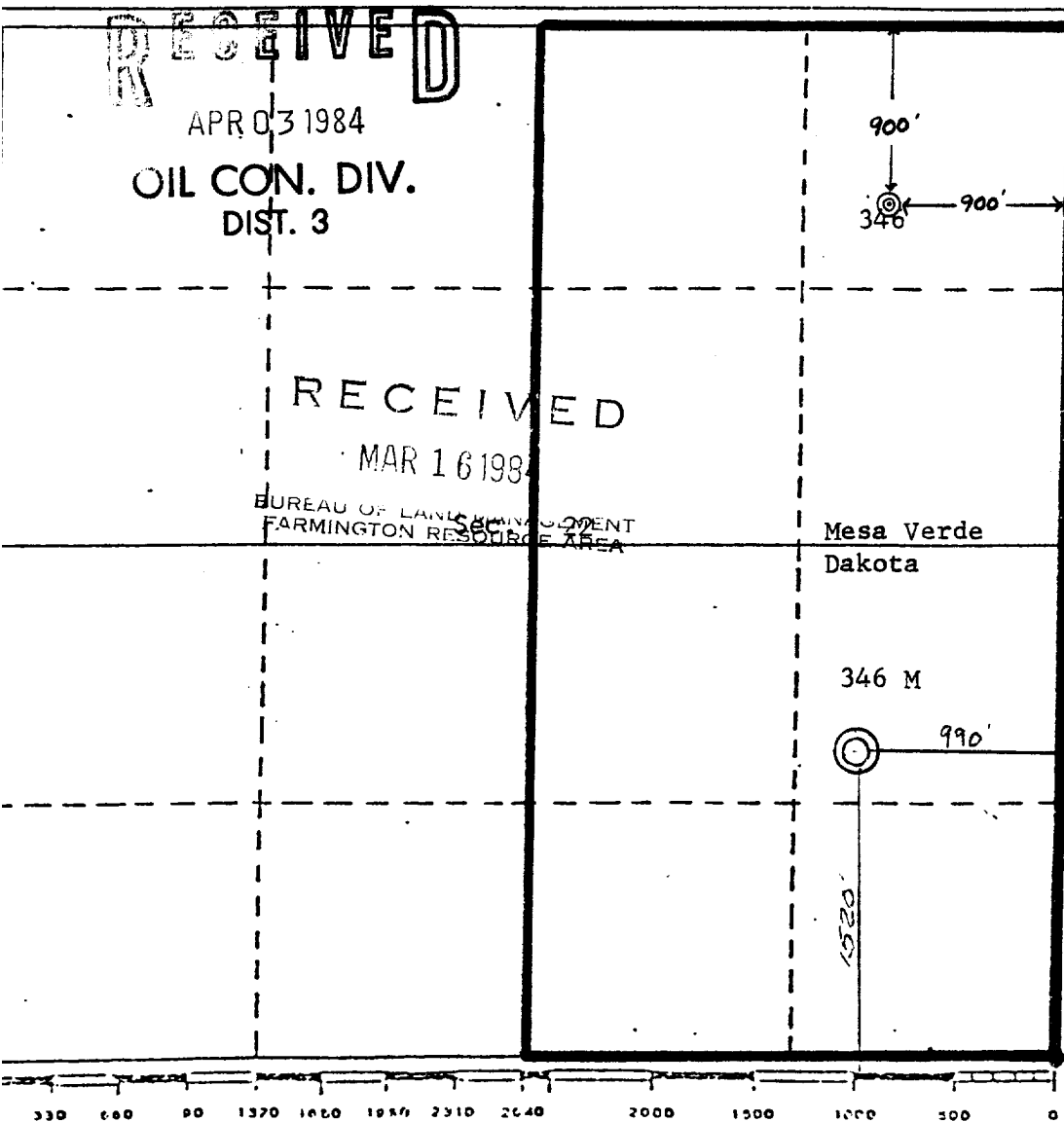
Operator CAULKINS OIL COMPANY		Lease Breech D		Well No. 346M
Unit Letter	Section 22	Township 26 NORTH	Range 6 WEST	County RIO ARRIBA
Actual Postage Location of Well: 1520 feet from the SOUTH line and 990 feet from the EAST line				
Ground Level Elev. 6723	Producing Formation Dakota - Mesa Verde	Pool 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.

Name

Charles E. Verquer

Position

Superintendent

Company

Caulkins Oil Company

Date

11-29-83

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.

14 November, 1983

Date Surveyed

Registered Professional Engineer
and/or Land Surveyor

Curtis C. Stocking

Certificate No.
5980

