

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-039-23140

## 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

934' From South and 1022' From East

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)

934'

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

1000'

## 16. NO. OF ACRES IN LEASE

320

## 19. PROPOSED DEPTH

7420'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

## 20. ROTARY OR CABLE TOOLS

Rotary

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

6563 GR.

## 22. APPROX. DATE WORK WILL START\*

Aug. 16, 1983

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	9 5/8"	32.30#	400'	250 Sacks
7 7/8"	5 1/2"	15.5 & 17#	7420'	1300 Sacks

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

It is proposed to drill new hole, surface to 7420' 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# surface casing will be set at approx. 400' 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

TITLE

Superintendent

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
DATE 12-6-82  
AS AMENDED

JAN 22 1983

James F. Sims  
DISTRICT ENGINEER

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

NMOCC

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

## 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-711-396

New 5 1/2" 15.5 & 17# casing will be cemented top to bottom with sufficient cement to circulate. 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.

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 2 1/6" IJ Tubing will be run thru packer to Dakota Zone.

New 2 1/16" IJ Tubing will be run to Mesa Verde Zone for Mesa Verde production.

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

### Estimated Formation Tops:

Alamo	2200'
Pictured Cliffs	2921'
Mesa Verde	4604'
Greenhorn	7080'
Dakota	7170'

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

Operator CAULKINS OIL COMPANY			Lease Reuter		Well No. 321-E
Unit Letter P	Section 15	Township 26N	Range 6W	County Rio Arriba	
Actual Footage Location of Well: 934 feet from the South line and 1022 feet from the East line					
Ground Level Elev. 6563	Producing Formation Mesa Verde Dakota		Pool Blanco Mesa Verde Basin Dakota		Dedicated Acreage: S 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.

RECEIVED

JAN 25 1983

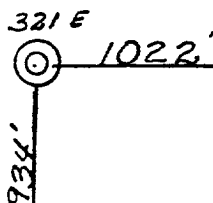
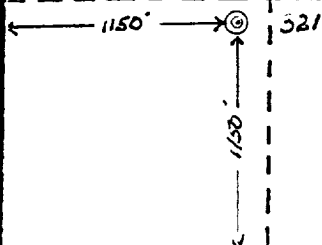
OIL CON. DIV.  
DIST. 3

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DEC 15 1982

RECEIVED SURVEY  
N. M.

Sec 15



CERTIFICATION

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

*Charles Verquer*

Name

Charles Verquer

Position

Superintendent

Company

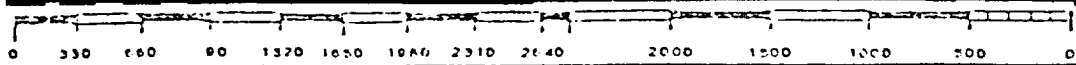
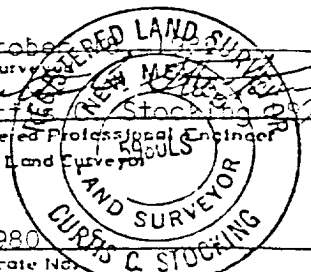
Caulkins Oil Company

Date

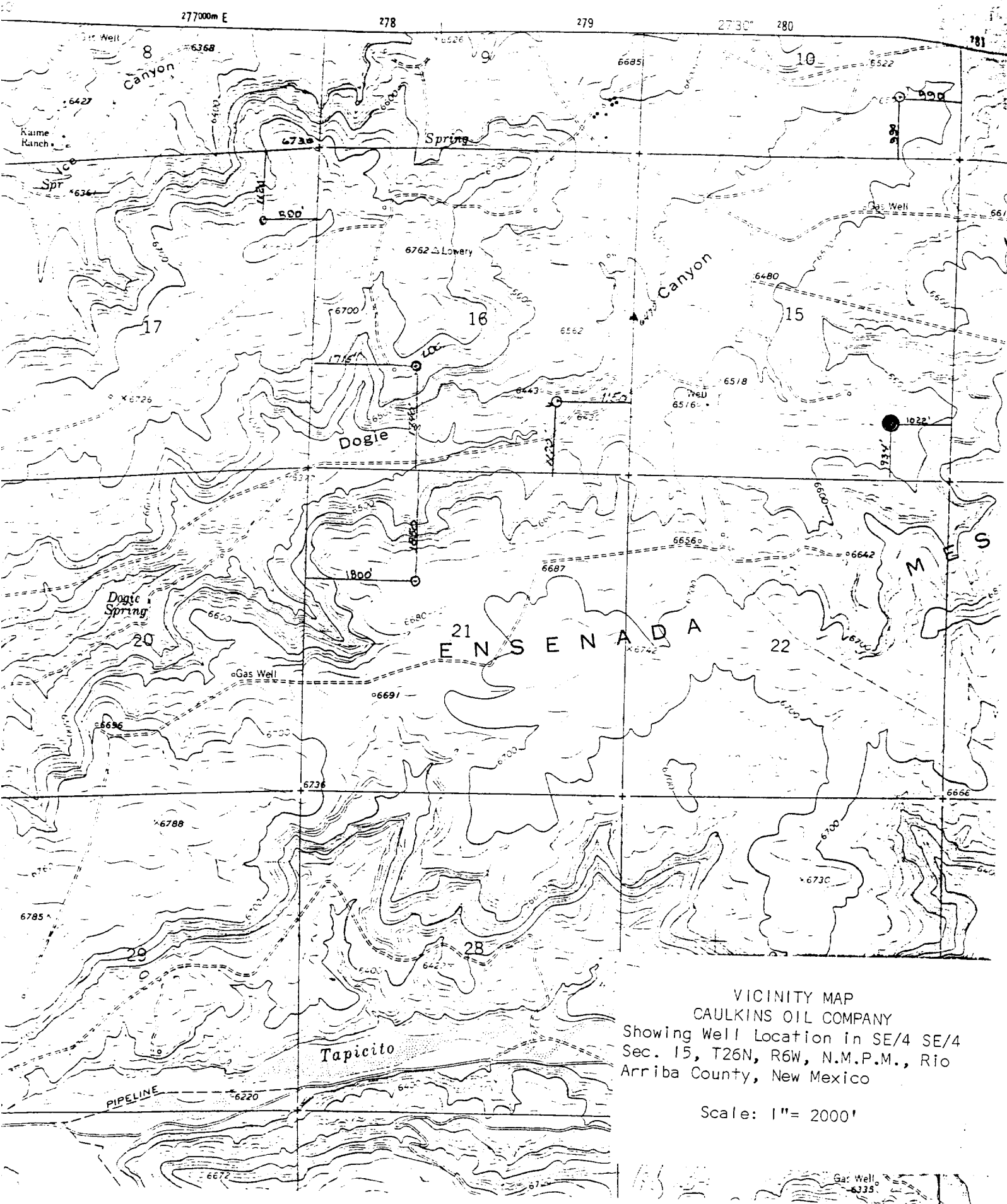
12-13-82

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.

October 1982  
Date Surveyed  
Curtis & Stocking  
Registered Professional Engineer  
and/or Land Surveyor  
5980  
Certificate No.



UNITED STATES  
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VICINITY MAP  
CAULKINS OIL COMPANY  
Showing Well Location in SE/4 SE/4  
Sec. 15, T26N, R6W, N.M.P.M., Rio  
Arriba County, New Mexico

Scale: 1" = 2000'

UNITED STATES  
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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  
Caulkins Oil Company
3. ADDRESS OF OPERATOR  
P.O. Box 780 Farmington, New Mexico
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 934' From South & 1022' From East  
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) APD Supplement <input type="checkbox"/>	

5. LEASE  
SF 079185
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME  
Reuter
9. WELL NO.  
321 E
10. FIELD OR WILDCAT NAME  
Blanco Mesa Verde-Basin Dakota
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 15 26 North 6 West
12. COUNTY OR PARISH  
Rio Arriba
13. STATE  
New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6563 GR.

(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.)\*

Casing Grades to be run are:

9 5/8" 32.30# H-40 (new) Casing

5 1/2" 15.5 and 17# K-55 Smls casing. (New)

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JAN 25 1983  
OIL CON. DIV.  
DIST. 3

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

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

SIGNED Charles Vergara TITLE Supt. DATE 12-27-82

(This space for Federal or State office use)

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

APPROVED  
AS AMENDED

JAN 22 1983  
James F. Sims  
JAMES F. SIMS  
DISTRICT ENGINEER