

30-039-22911

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

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 858' F/S & 927' F/E  
 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 drlg. unit line, if any) 858'

16. NO. OF ACRES IN LEASE 1920

17. NO. OF ACRES ASSIGNED TO THIS WELL - 5 325 54

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 100'

19. PROPOSED DEPTH 7500

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6529 GR

22. APPROX. DATE WORK WILL START\* June 25, 1982

5. LEASE DESIGNATION AND SERIAL NO. NM 03553

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME Breech D

9. WELL NO. 685E

10. FIELD AND POOL, OR WILDCAT Blanco Mesa Verde Basin Dakota

11. SEC., T., E., M., OR BLE. AND SURVEY OR AREA P Sec 11 26N 6W

12. COUNTY OR PARISH Rio Arriba

13. STATE nm

MAR 19 1982  
OIL CON. COM.  
DIST. 3

RECEIVED

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	300	250 Sacks
7 7/8"	5 1/2"	15.5 & 17	7500	1400 Sacks

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

It is proposed to drill new hole, surface to 7500 9.0 Gel based mud. Float will be run in drill pipe at bit. ES Induction Log will be run in open hole. A Schaeffer 10" Model LWP 6000# test BOP will be in use at all times while drilling and cementing. BOP will be tested at least one time during each 24 hour period and results recorded on daily drilling report.

New 9 5/8" surface casing will be set at approx. 300' and cemented with sufficient cement to circulate to surface.

New 5 1/2" 15.5 and 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. (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. Vignone TITLE Superintendent DATE 12-29-81

(This space for Federal or State office use)

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

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

None needed for original & infill  
Gas is dedicated on 7

APPROVED AS AMENDED  
DATE MAR 18 1982  
C. M. Schaeffer for

## 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-711-398

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

Well will be completed in Mesa Verde and Dakota zones.

Packer will be set between Mesa Verde zone and Dakota zone.

New 2 1/16" IJ tubing will be run thru packer to Dakota zone.

New 1 1/4" IJ tubing will be run to Mesa Verde zone for Mesa Verde production.

All zones will be perforated and fractured to stimulate production.

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

### Estimated Formation Tops:

Alamo	2445
Pictured Cliffs	3012
Cliff House	4703
Point Lookout	5303
Greenhorn	7150
Graneros	7230
Dakota	7360

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-102  
Revised 10-1-7

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

Operator <b>CAULKINS OIL COMPANY</b>		Lease <b>BREECH D</b>		Well No. <b>605 E</b>
Unit Letter <b>P</b>	Section <b>11</b>	Township <b>26 NORTH</b>	Range <b>6 WEST</b>	County <b>RIO ARRIBA</b>

Actual Footage Location of Well:  
**853** feet from the **SOUTH** line and **927** feet from the **EAST** line

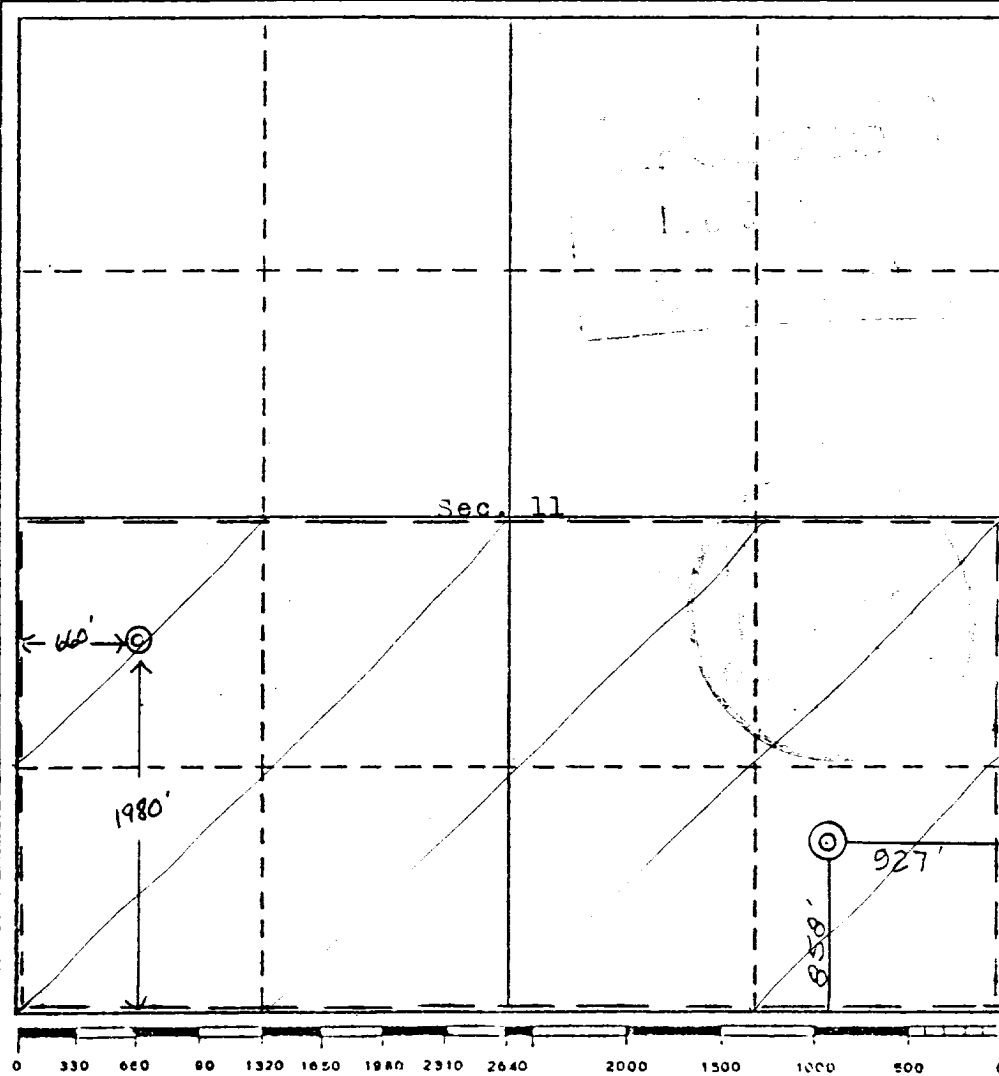
Ground Level Elev. <b>6529.0</b>	Producing Formation <b>MESA VERDE &amp; DAKOTA</b>	Pool <b>BLANCO MESA VERDE &amp; BASIN DAKOTA</b>	Dedicated Acreage: <b>5325.54</b> Acres
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1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 Divisor



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

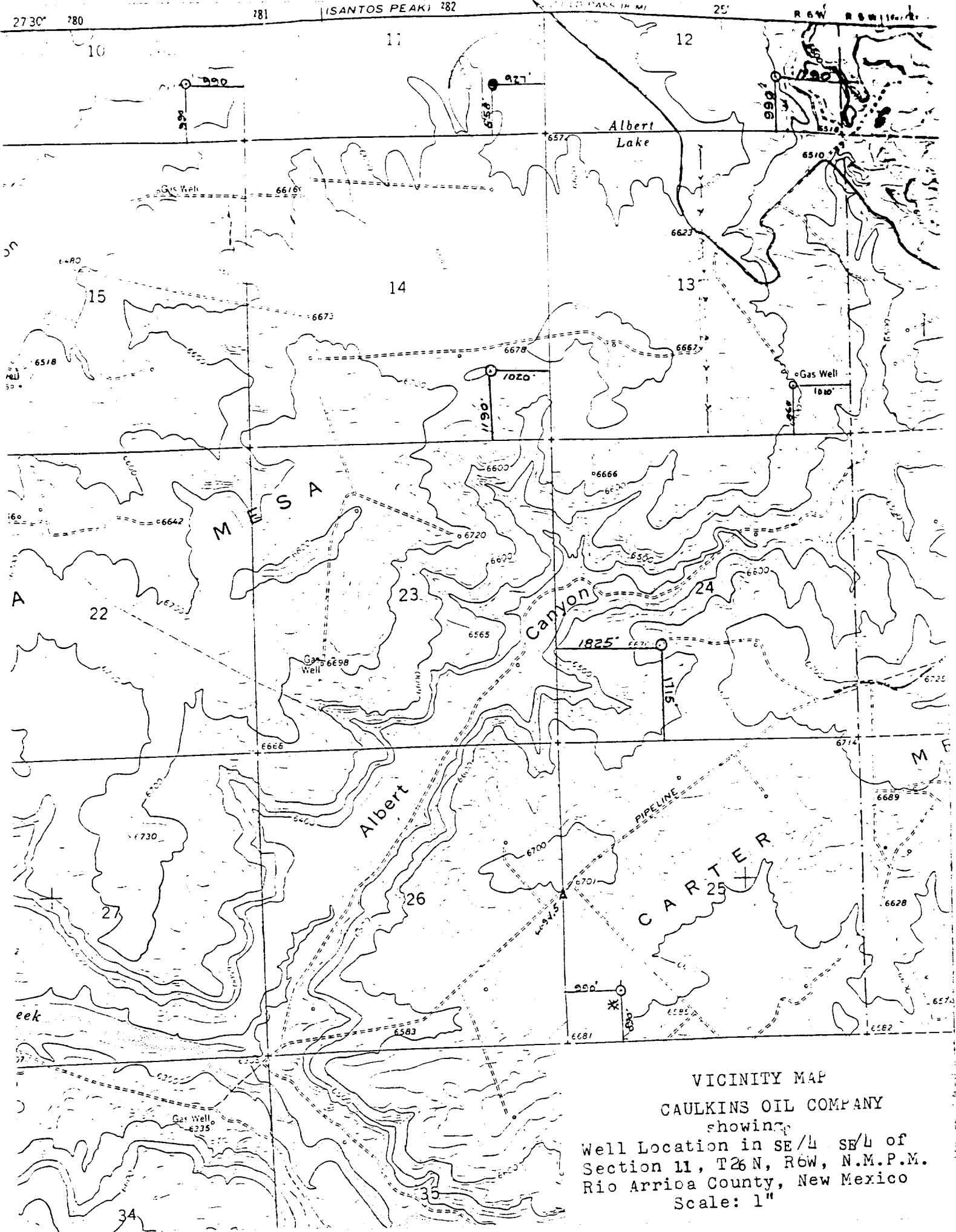
**12-29-81**

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.

**17 December, 1981**  
Date Surveyed

*Curtis C. Stocking*  
Registered Professional Engineer  
and/or Land Surveyor  
**Curtis C. Stocking**

Certificate No. **5980**



VICINITY MAP  
 CAULKINS OIL COMPANY  
 showing  
 Well Location in SE/4 SE/4 of  
 Section 11, T26N, R6W, N.M.P.M.  
 Rio Arriba County, New Mexico  
 Scale: 1"