

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 ☐		5. LEASE DESIGNATION AND SERIAL NO. SF-079035-A	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐		6. 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		8. FARM OR LEASE NAME Breech A	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 660' F/N and 1980' F/E At proposed prod. zone Same		9. WELL NO. 175 E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 30 Miles Southeast of Blanco, New Mexico		10. FIELD AND POOL, OR WILDCAT Basin Dakota	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 8 26N 6W	
16. NO. OF ACRES IN LEASE 2400		12. COUNTY OR PARISH Rio Arriba	
17. NO. OF ACRES ASSIGNED TO THIS WELL E 320 Infil		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 330'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6493 DF		22. APPROX. DATE WORK WILL START* May 1, 1980	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
6 1/8"	4 1/2"	11.6#	7375'	Sufficient to circulate

Present Condition: Formerly well # 627 Breech A
TD 6677'. 7" 23# J-55 8rd thd casing cemented at 6620' with 200 sacks. Top of cement 5215'. Open hole 6620' to 6677'.

Abandoned as Tocito producer 8-1-68.

Approval to plug back and recomple in Chacra, Mesa Verde received 1-7-78. This recompletion was not done pending approval of Dakota Infil drilling.

It is now proposed to deepen well to Dakota Zone at approx 7375', then run 1 1/2" liner from approx. 6500' to TD. Hole will be Caliper Logged so liner can be cemented with sufficient cement to circulate. 7" casing will be perforated at 5200' and then cemented from 5200' to surface by circulating and squeezing.

(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. Dugan TITLE Superintendent DATE 1-7-80

(This space for Federal or State office use)

PERMIT NO. APPROVED APPROVAL DATE APPROVED
APPROVED BY Ann L. Smith TITLE DIST. OF ENGINEER DATE 1-7-80
CONDITIONS OF APPROVAL, IF ANY:

DIST. OF ENGINEER

NSL "33

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

Well will be completed in Chacra, Mesa Verde and Dakota Zones, with packer between Mesa Verde and Dakota Zones to Dual Complete.

New Mexico Oil Conservation Division Order No. NSL-1133.

Approved unorthodox location for all three Gas Zones.

New Mexico Oil Conservation Division Order No. R-5647.

Approved Commingling of Chacra and Mesa Verde in Wellbore.

This well will be a Dakota Infil well as approved in Order R-1670-V.

To conform with numbering of infil wells this well No. changed from 627 to 175 E.

2 3/8" 4.7# EUE 8rd tubing will be run thru packer to Dakota Perforations. 1 1/4" 2.3# NU 10rd tubing will be run to Mesa Verde Perforations for commingled Chacra-Mesa Verde Production.

A Shaffer 10' Model LWP, 6000# test, 3000# WP BOP will be in use at all times while deepening and cementing well. BOP will be tested at least once during each 24 hr day.

No new surface to be disturbed. Old location will be dressed off and old reserve pit will be rebuilt to contain drilling fluids, and frac water while drilling and completing.

All disturbed area will be cleaned up and reseeded to within 5' of all facilities with BLM approved seeding program.

This acreage dedicated to Gas Company of New Mexico in all three Zones.

All distances must be from the outer boundaries of the Section

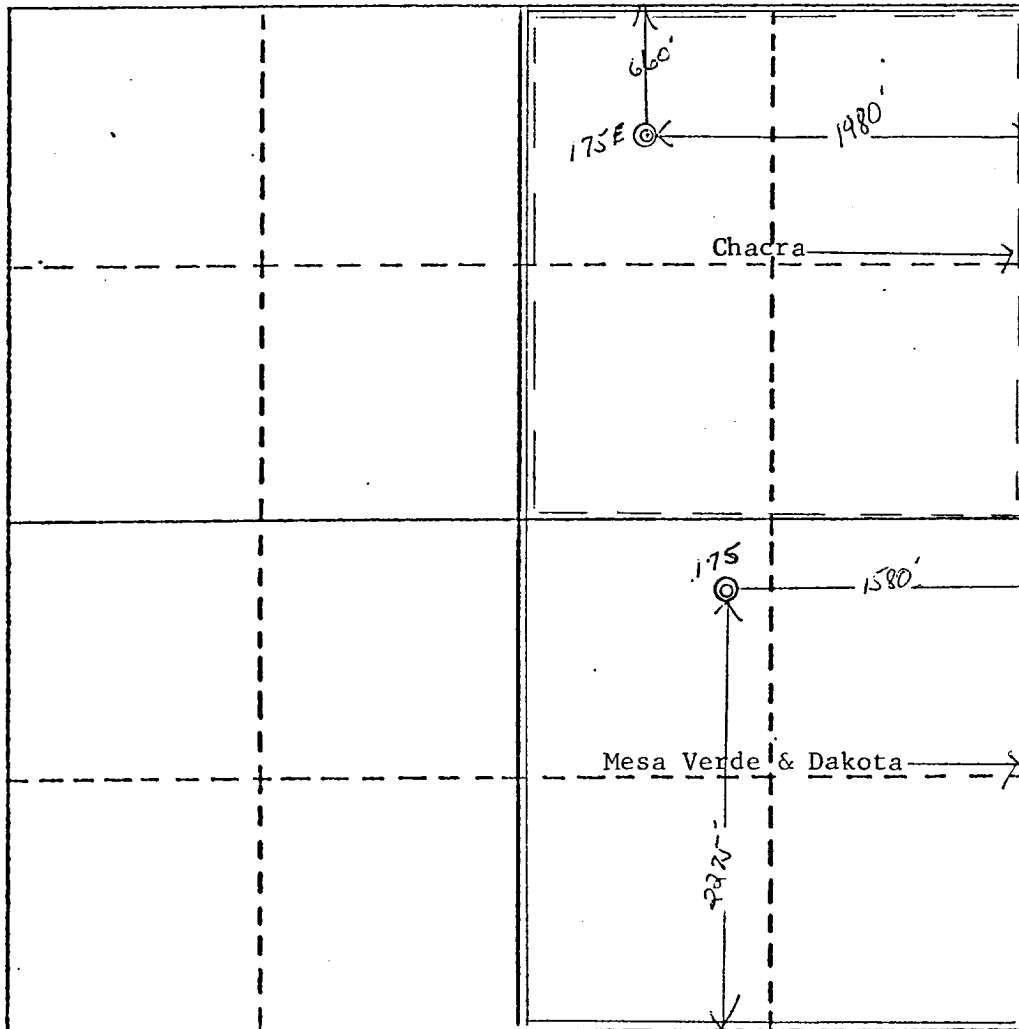
Operator Caulkins Oil Company			Lease Breach A		Well No. 175 E
Unit Letter B	Section 8	Township 26 North	Range 6 West	County Rio Arriba	
Actual Footage Location of Well: 660 feet from the North line and 1980 feet from the East line					
Ground Level Elev. 6481	Producing Formation Chacra-Mesa Verde-Dakota	Pool Otero Chacra Blanco Mesa Verde Basin Dakota		Dedicated Acreage: 160 Chacra 320 MV & Dak. 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

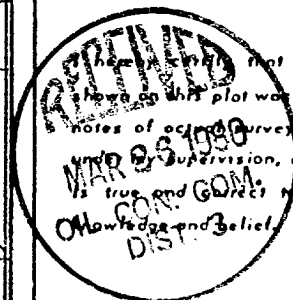
Superintendent

Company

Caulkins Oil Company

Date

1-7-80



I hereby certify that the well location shown on this plat was plotted from field notes of accurate surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

April 1, 1953

Registered Professional Engineer
and/or Land Surveyor

San Juan Engineering

Certificate No.

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: **660' F/N and 1980' Y/E**
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 ☐	☐
FRACTURE TREAT ☐	☐
SHOOT OR ACIDIZE ☐	☐
REPAIR WELL ☐	☐
PULL OR ALTER CASING ☐	☐
MULTIPLE COMPLETE ☐	☐
CHANGE ZONES ☐	☐
ABANDON* ☐	☐
(other) Supplement to API	

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.)*

Estimated Formation Tops:

Chacra	3715
Greenhorn	6974
Graneros	7093
Dakota	7231



Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Charles E. Cagle TITLE **Superintendent** DATE **3-21-80**

(This space for Federal or State office use)

ACCEPTED FOR RECORD

CONDITIONS OF RECORD, IF ANY: _____ TITLE _____ DATE _____

MAR 25 '80

DISTRICT

*See Instructions on Reverse Side

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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 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 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

GPO : 1976 O - 214-149

[illegible]

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