

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039-23143

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 1120' From South & 1520' From East

At proposed prod. zone Same

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

27 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)

1650'

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

400'

16. NO. OF ACRES IN LEASE

2400

19. PROPOSED DEPTH

6850'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160, S 320

20. ROTARY OR CABLE TOOLS

Rotary

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

6146 GR.

22. APPROX. DATE WORK WILL START*

July 4, 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#	300'	250 Sacks
7 7/8"	5 1/2"	15.5 & 17#	6850'	1300 Sacks

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

It is proposed to drill new hole, surface to 6850' 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.

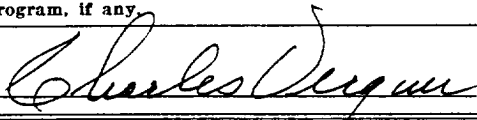
New 9 5/8" 32.30# surface casing will be set approx. 300' and cemented with sufficient cement to circulate to surface.

(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

DATE

12-6-82

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY
DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

NMOC

This action is subject to administrative
annual pursuant to 30 CFR 200

5. LEASE DESIGNATION AND SERIAL NO.

NM 03733

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Breech

9. WELL NO.

307 M

10. FIELD AND POOL, OR WILDCAT

S. Blanco PC-Otero Chacra
Blanco MV-Basin Dakota11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

O Sec. 13 26N 7W

12. COUNTY OR PARISH 13. STATE

Rio Arriba

New Mexico

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

New 5 1/2" 15.5 & 17# casing will be cemented in 3 stages with tools set below Point Lookout Sands and below Chacra Sands.

Centralizers will be run on casing thru Pictured Cliffs Chacra, Mesa Verde and Dakota Zones.

All zones will be perforated and fractured to stimulate production.

Subject to approval by Minerals Management Service and New Mexico Oil Conservation Division. Well will be dual completed with Mesa Verde-Dakota commingled zone below packer and commingled Pictured Cliffs-Chacra above packer.

New 2 1/16" IJ Tubing will be run for Pictured Cliffs-Chacra commingled zone.

New 2 1/16" IJ tubing will be run for Mesa Verde-Dakota commingled 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. 337-M
Unit Letter C	Section 13	Township 26 NORTH	Range 7 WEST	County RIO ARriba
Actual Footage Location of Well:				
1120 feet from the SOUTH line and		1520 feet from the EAST line		
Ground Level Elev. 6146.0	Producing Formation PC-Chacra-Mesa Verde-Dakota	Pool South Blanco PC-Otero Chacra	Dedicated Acreage: 180 PC & Chacra 320 MV & Dakota 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 26 1983

OIL CON. DIV.
DIST. 3

RECEIVED

DEC 15 1982

Sec. 13

Mesa Verde
Dakota

Chacra

307M.

1520'

1140
307
790

CERTIFICATION

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

Name

Charles Verquer

Position

Superintendent

Company

Caulkins Oil Company

Date

12-13-82

I hereby certify that the well location shown on this plot 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.

21 October 1982

Date Survey

Registered Professional Engineer
and/or Land Surveyor

Curtis C. Stucking

Certificate No.
5980

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