

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.

SF 079035 - A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Breech A

9. WELL NO.

132 E

10. FIELD AND POOL OR WILDCAT
Chacra, Blanco Mesa Verde,
Basin Dakota11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 9 26 North 6 West

12. COUNTY OR PARISH

13. STATE

Rio Arriba

New Mexico

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

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

At surface

660' F/N and 760' F/W

At proposed prod. zone

Same

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

30 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)

660'

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

7365'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160 Chacra

320 Mesa Verde & Dakota

20. ROTARY OR CABLE TOOLS

Rotary

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

6411' GR

22. APPROX. DATE WORK WILL START*

July 1, 1981

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE

6 1/8"

SIZE OF CASING

4 1/2"

WEIGHT PER FOOT

11.6#

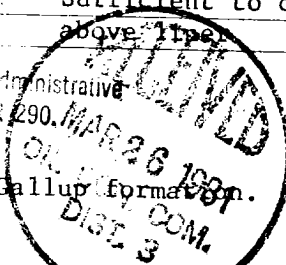
SETTING DEPTH

7365

QUANTITY OF CEMENT

Sufficient to circulate

above 1100'

DEPT. OF THE INTERIOR
SUGGESTED APPROVED APPS
"GENERAL INSTRUCTIONS"This action is subject to administrative
approval pursuant to 50 CFR 290.

Formerly well no. 629. Undes Gallup.

Present condition PBTD 6460'. Perforated 6390' to 6448' in Gallup zone. This well averages 500 MCF per month from Gallup zone.

It is now proposed to abandon Gallup zone and then deepen well to Dakota zone at approximately 7365'.

A whipstock will be set in 7" casing at approximately 6400' and then a window cut in 7" casing at that point. A 6 1/8" hole will be drilled from window to TD using 9# Gel based mud. New 4 1/2" 11.6# liner will be run TD to approximately 6300'. Liner will be cemented with sufficient cement to circulate.

Present cement top behind 7" casing 5100' as determined by Temperature Survey 12-25-52.

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

1-08-81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED
AS AMENDED

DATE

MAR 24 1981

JAMES F. SIMS
DISTRICT ENGINEER

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. Consult 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 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

It is proposed to perforate 2 holes at 5090' and 2 holes at 3850' then set cement retainer at 5000' and cement area 5090' to 3850'. After completing this stage run packer and cement 3850' to surface with sufficient cement to circulate to surface. Cement plugs will be drilled out and then 7" casing tested with 3000#. After cementing completed well will be perforated in Dakota, Mesa Verde and Chacra zones and fractured to stimulate production.

Well will be Dual completed with Chacra Mesa Verde Commingled in Wellbore. Hearing scheduled 1-28-81.

2 3/8" tubing will be run to Dakota perforations for its production.

1 1/4" tubing will be run to Mesa Verde perforations for Commingled Chacra-Mesa Verde production.

Old location will be cleared off and old reserve pit reopened to contain drilling and completion fluids.

After well is completed location will be cleaned up, reserve pit covered and all disturbed area reseeded to within 5' of all facilities with BLM approved seeding program.

A 6000# test, 3000# WP BOP will be in use at all times while drilling and completing well.

Production equipment on surface will be painted Grey.

Application for Non Standard Location applied for.

Estimated Formation Tops:

Chacra	3722
Mesa Verde	4513
Dakota	7080

All distances must be from the outer boundaries of the Section

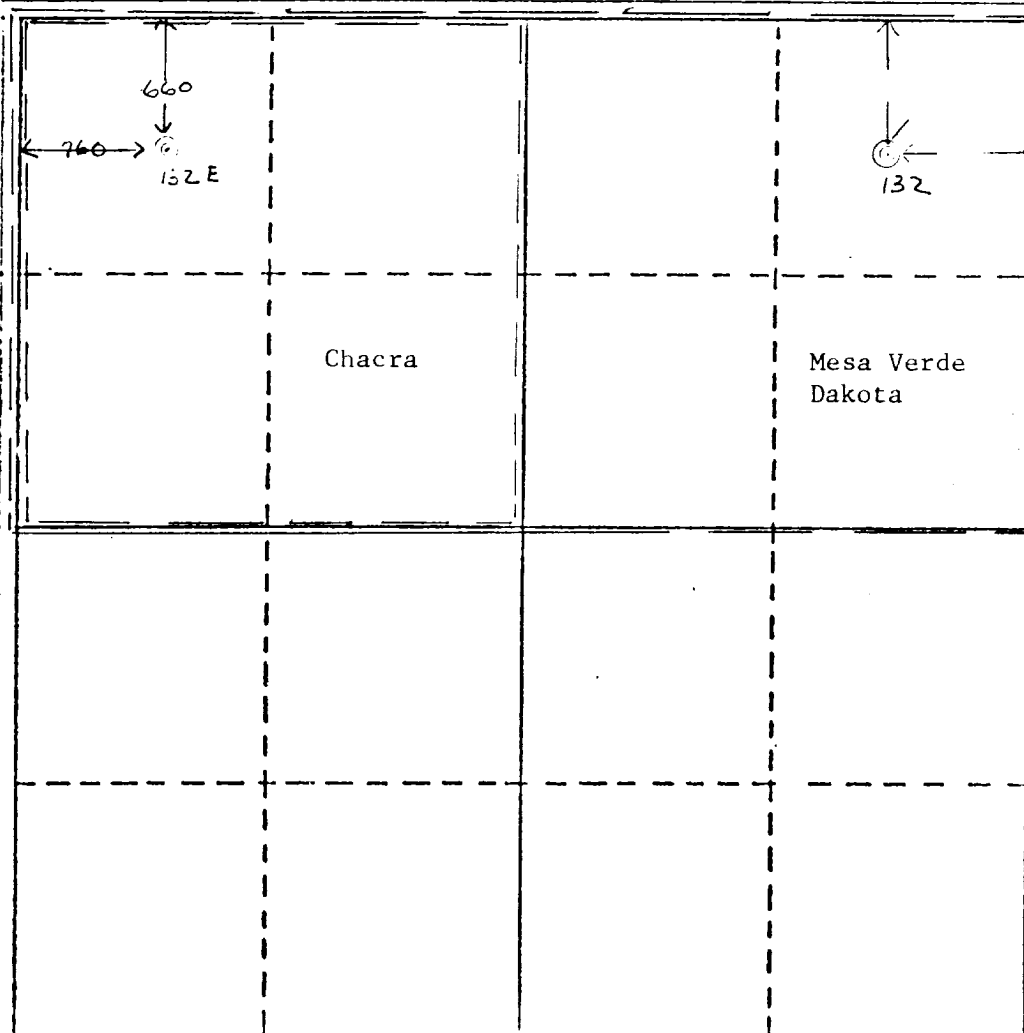
Operator Caulkins Oil Company			Lease Breech A		Well No. 132 E
Unit Letter D	Section 9	Township 26 North	Range 6 West	County Rio Arriba	
Actual Footage Location of Well:					
660 feet from the North line and		760 feet from the West line			
Ground Level Elev. 6411'	Producing Formation Dakota, Chacra - Mesa Verde	Pool Otero Chacra, Blanco Mesa Verde - Basin Dakota		Dedicated Acreage: 160 Chacra 320 Mesa Verde, 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
January 8, 1981

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.

10-18-52

Date Surveyed
San Juan Engineering
Registered Professional Engineer
and/or Land Surveyor

Certificate No.



LTR



Job separation sheet

UNITED STATES
DEPARTMENT OF THE INTERIOR
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 & 760' F/W
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) Abandon Gallup zone.

5. LEASE
SF-079035-A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____
7. UNIT AGREEMENT NAME _____
8. FARM OR LEASE NAME
Breech A
9. WELL NO.
132E
10. FIELD OR WILDCAT NAME
Undes Gallup
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 9 26 North 6 West
12. COUNTY OR PARISH 13. STATE
Rio Arriba New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
6411' 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.)*

Old Number 629.

Set 7" cement retainer at 6372' with 2 3/8" tubing. Squeezed Gallup perforations 6390 - 6448 with 50 sacks Neat cement. 9-24-81

Now ready to whipstock.

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

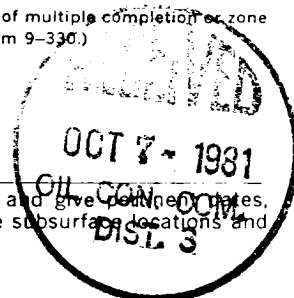
18. I hereby certify that the foregoing is true and correct

SIGNED Charles J. Dargatzis TITLE Superintendent DATE September 30, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



NM/GC

SMZ



LTR



Job separation sheet

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form Approved
Budget Bureau No. 42-R1424

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 & 760' F/W
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:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) Cement 7" casing

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐
☐

5. LLASL
SF-079035-A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Breech A
9. WELL NO.
132E
10. FIELD OR WILDCAT NAME Basin Dakota,
Blanco Mesa Verde
11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
Section* 9 26 North 6 West
12. COUNTY OR PARISH Rio Arriba 13. STATE New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
6411' Gr.

(NOTE: Report results of multiple completion or zone change on Form 9-331-C)



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.)*

10-19-81 Perforated cement holes as follows:
2 .40" at 5132'
2 .40" at 4822'
2 .40" at 3862'

10-20-81 Set cement retainer at 5082'. Circulated cement 5132' to 4822' using 50 sacks Latex cement. Had approximately 10 sacks returns.

10-21-81 Set retainer at 4764'. Circulated cement 4822' to 3862' using 245 sacks Class B cement. Had approximately 50 sacks returns.

Set retrievable packer at 3805' then cemented 3862' to 1000' with 543 sacks 50-50 Poz, 12 1/2% Gilsonite, 6% Gel followed by 100 Sacks Neat. (OVER) Set @ _____ Ft.

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

SIGNED Charles Deppa TITLE Superintendent DATE October 23, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

NOV 00 1981

See Elliott

Instructions

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

Cement top of 1000' determined by running Temperature Survey. Temperature Survey run 10-22-81, 24 hours after plug down.