

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039-23142

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 regulations.)

At surface

1043' From South and 983' From West

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)

983'

16. NO. OF ACRES IN LEASE

1600

17. NO. OF ACRES ASSIGNED
TO THIS WELL

W/320

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

600'

19. PROPOSED DEPTH

7685'

20. ROTARY OR CABLE TOOLS

Rotary

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

6643 GR.

22. APPROX. DATE WORK WILL START*

June 15, 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#	7685'	1400 Sacks

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

It is proposed to drill new hole, surface to 7685' 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.

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

Charles Vergun

TITLE

Superintendent

DATE

12-6-82

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"
This action is subject to administrative
appeal pursuant to 30 CFR 290.

NMOCC

APPROVED
AS AMENDEDJAN 22 1983
Jim Sims
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.

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 plat, 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-711-569

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

All zones will be perforated and fractured to stimulate production.

Well will be completed in Mesa Verde and Dakota Zones.

Packer will be set between Mesa Verde and Dakota Zone.

New 2 1/16" 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 the Dakota Zone in this well contracted to El Paso Natural Gas Company.

Gas produced from the Mesa Verde Zone not committed.

Estimated Formation Tops:

Alamo	2500'
Pictured Cliffs	3099'
Cliff House	4801'
Point Lookout	5456'
Gallup	6700'
Greenhorn	7315'
Graneros	7358'
Dakota	7490'

All distances must be from the outer boundaries of the Section

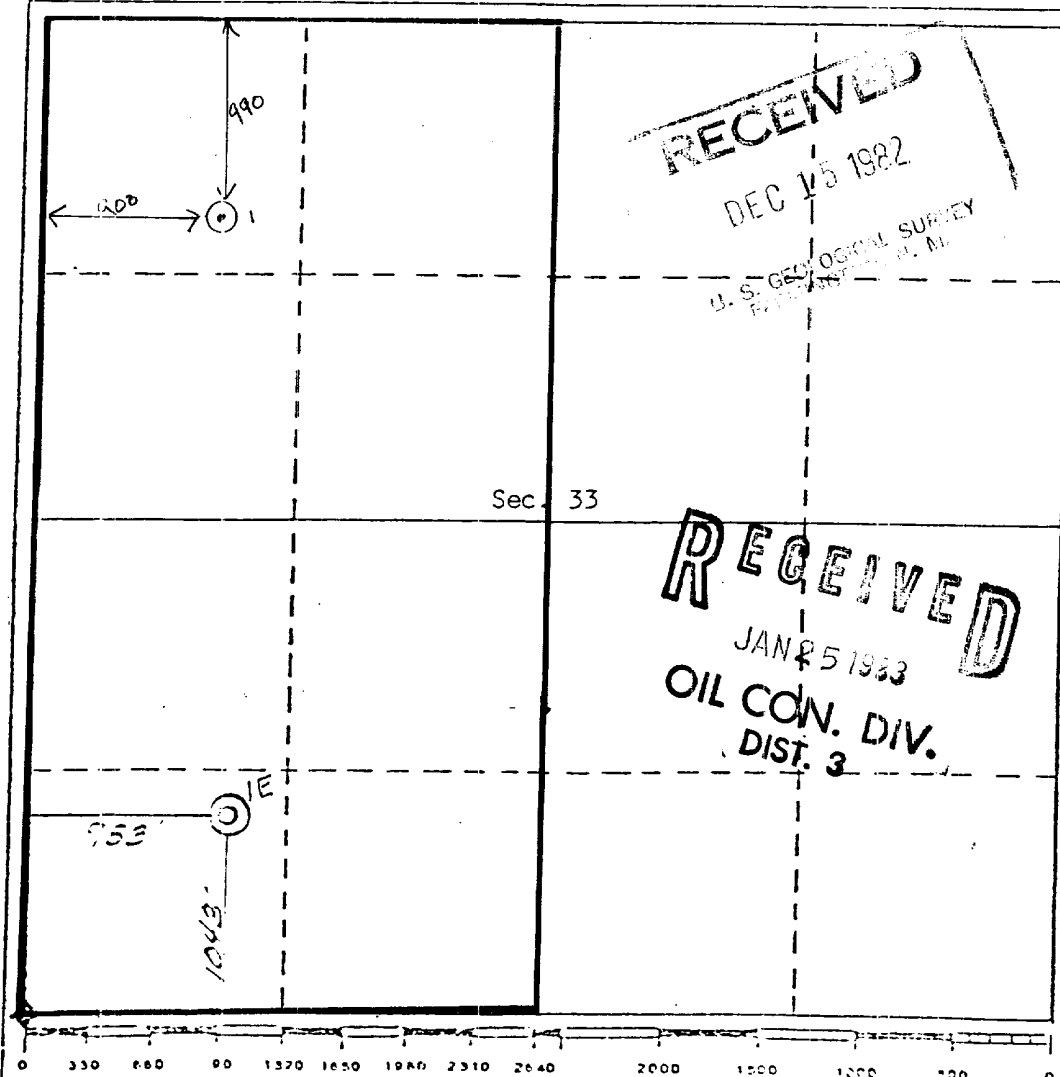
Operator CAULKINS OIL COMPANY			Lease Breach F		Well No. 1-E
Unit Letter M	Section 33	Township 27 NORTH	Range 6 WEST	County RIO ARRIBA	
Actual Footage Location of Well:					
1043 feet from the SOUTH line and		983 feet from the WEST line			
Ground Level Elev. 6643.0	Producing Formation Mesa Verde Dakota		Pool Basin Dakota Blanco Mesa Verde		Dedicated Acreage: W 320 Acres

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 Division



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

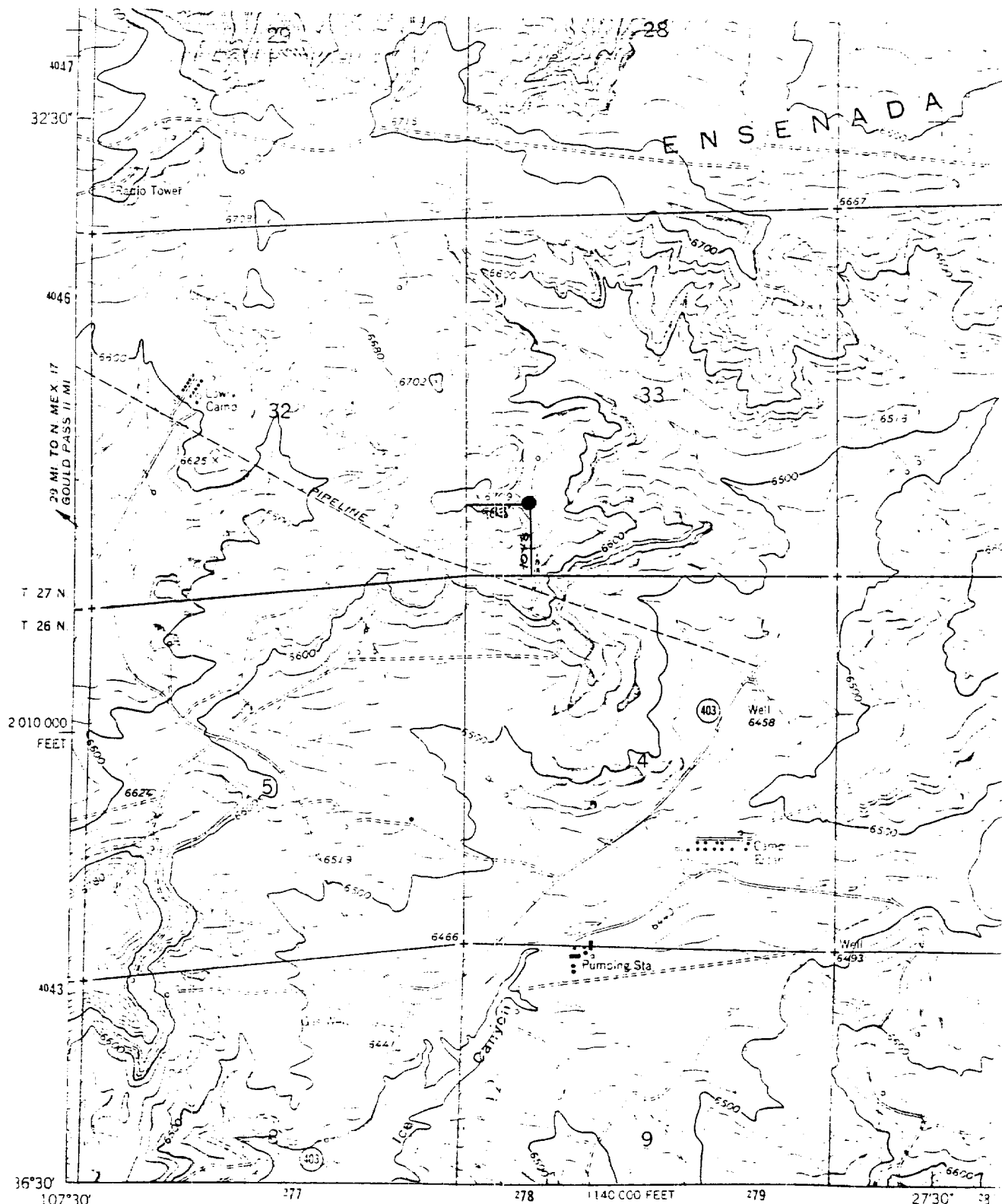
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

21 October 1982

Date Surveyed
Curtis C. Stucking
Registered Professional Engineer
and/or Land Surveyor

Curtis C. Stucking

Certificate No.
5980



Mapped, edited, and published by the Geological Survey

Control by USGS and USI&US

Topography by photogrammetric methods from aerial photographs taken 1958 and 1962. Field checked 1963

Polyconic projection, 1927 North American datum
10,000 foot grid based on New Mexico coordinate system, central zone
1000 meter Universal Transverse Mercator grid ticks
zone 13 shown in blue

VICINITY MAP

CAULKINS OIL COMPANY

showing

Well Location in SW/4 SW/4 of
Section 33, T27N, R6W, N.M.P.
Rio Arriba County, New Mexico
Scale: 1"

(NAGEEZ1162500)
44561

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: 1043' From South & 983' From West
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) APD Supplement ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐

5. LEASE
NM 03547
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Breech F
9. WELL NO.
1 E
10. FIELD OR WILDCAT NAME
Blanco Mesa Verde-Basin Dakota
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 33 27 North 6 West
12. COUNTY OR PARISH
Rio Arriba
13. STATE
New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
6643 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 & 17# K-55 Smls Casing. (New)

RECEIVED
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 Surgen TITLE Supt. DATE 12-27-82

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

APPROVED
AS AMENDED

*See Instructions on Reverse Side

JAN 28 1983
James F. Sims
DISTRICT ENGINEER