

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

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

1980' F/N & 660' 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 drig. unit line, if any)

1980

16. NO. OF ACRES IN LEASE

2400

17. NO. OF ACRES ASSIGNED
TO THIS WELL.

W/320 Infil

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

540

19. PROPOSED DEPTH

7575'

20. ROTARY OR CABLE TOOLS

Rotary

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

6638' GR

22. APPROX. DATE WORK WILL START*

July 15, 1981

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	10.5 & 11.6#	7575	Approximately 300 Sacks

Formerly Well No. 157. Undes Gallup

Present condition PBTD 6723'. Perforated 6631' to 6679' in Gallup formation. well has not produced any gas in past year.

It is now proposed to abandon Gallup zone and then deepen well to Dakota zones at approximately 7575'.

A whipstock will be set in 7" casing at approximately 6600' 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" 10.5# & 11.6# casing will be run TD to surface and cemented with sufficient cement to circulate at least 500' above window. Casing will then be perforated and fractured in Dakota zone to stimulate production.

(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. Vergue

TITLE

Superintendent

DATE

1-08-81

(This space for Federal or State office use)

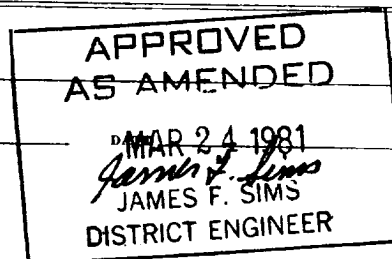
PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:



Hold 0.104
on WSC

ok 3-

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

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

Well will be completed as a single Dakota.

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

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

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

Production equipment on surface will be painted Grey.

Application for Non Standard Location applied for.

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

Estimated Formation Top:

Dakota	7305
--------	------

All distances must be from the outer boundaries of the Section

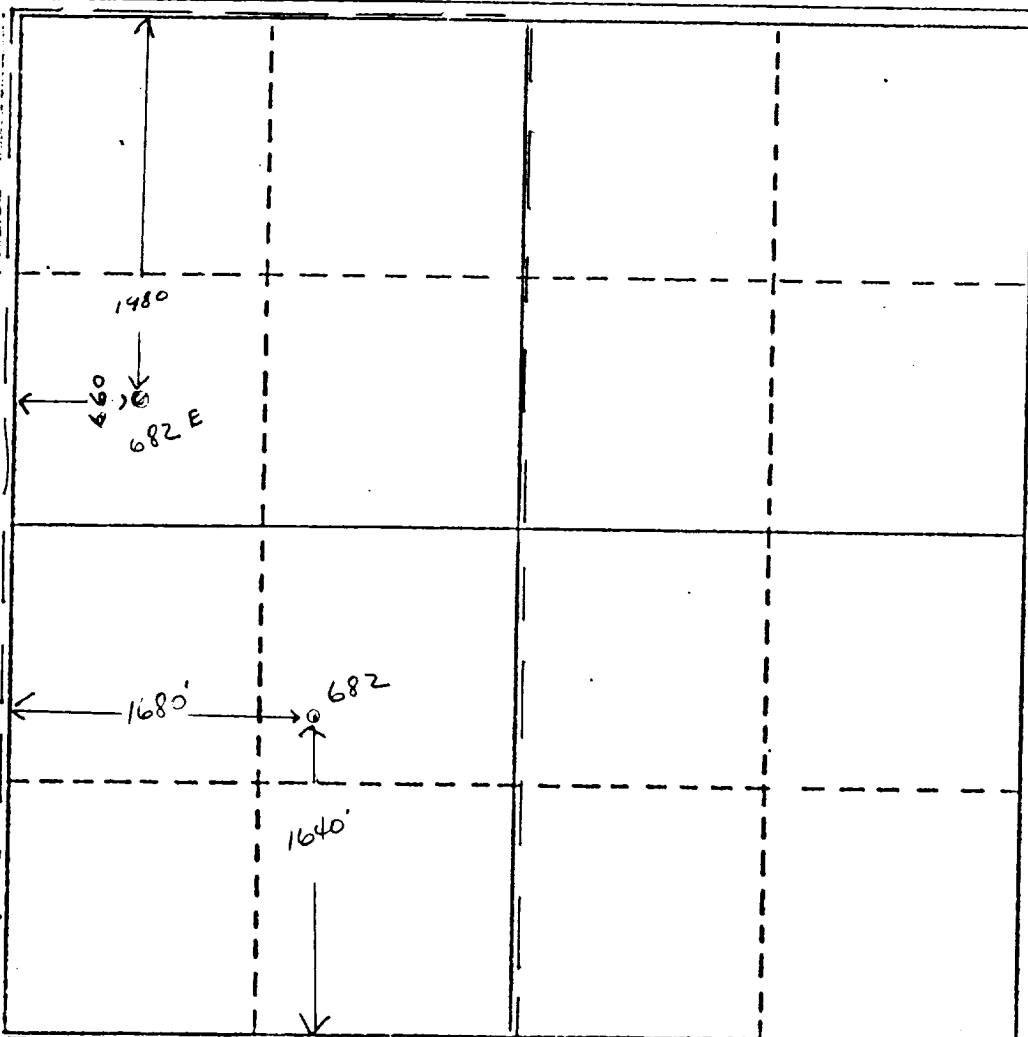
Operator Caulkins Oil Company			Lease Breach A		Well No. 682 E
Unit Letter E	Section 10	Township 26 North	Range 6 West	County Rio Arriba	
Actual Postage Location of Well: 1980 feet from the North line and 660 feet from the West line					
Ground Level Elev. 6638'	Producing Formation Dakota		Pool Basin Dakota	Dedicated Acreage 320 Infil 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. Yarguer
Name

Charles E. Yarguer

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.

12-13-51

Date Surveyed

Registered Professional Engineer
and/or Land Surveyor

Edmund Ross

Certificate No.

81