

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

880' From the North and 1028' From the

At proposed prod. zone

same

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

35 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)

880'

18. DISTANCE FROM PROPOSED LOCATION*

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

2001'

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

6597 GR

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	7600	1400 Sacks

Surface formation San Jose. No Abnormal pressure or temperature anticipated.

It is proposed to drill new hole, surface to 7600 9.0 Gel based mud. Float will be run in drill pipe at bit. Es Induction Log will be run in open hole. A Schaeffer 10" Model LWP 6000# test BOP will be in use at all times while drilling and cementing. BOP will be tested at least one time during each 24 hour period and results recorded on daily drilling report.

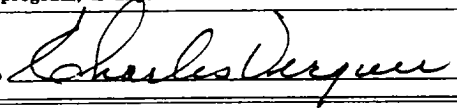
New 9 5/8" surface casing will be set at approx. 300' and cemented with sufficient cement to circulate to surface.

New 5 1/2" 15.5 and 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. (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 July 20, 1982

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
AS AMENDED

DATE

OCT 01 1982

JAMES F. S.
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 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

Centralizers will be run on casing thru Mesa Verde and Dakota zone.

Well will be completed in Mesa Verde and Dakota zones.

Packer will be set between Mesa Verde zone and Dakota zone.

New 2 1/16" IJ tubing will be run thru packer to Dakota zone.

New 1 1/4" IJ tubing will be run to Mesa Verde zone for Mesa Verde production.

All zones will be perforated and fractured to stimulate production.

Gas produced from this well contracted to Gas Company of New Mexico.

Estimated Formation Tops:

Alamo	2545
Pictured Cliffs	3112
Cliff House	4803
Point Lookout	5403
Greenhorn	7250
Graneros	7330
Dakota	7460

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-7

All distances must be from the outer boundaries of the Section.

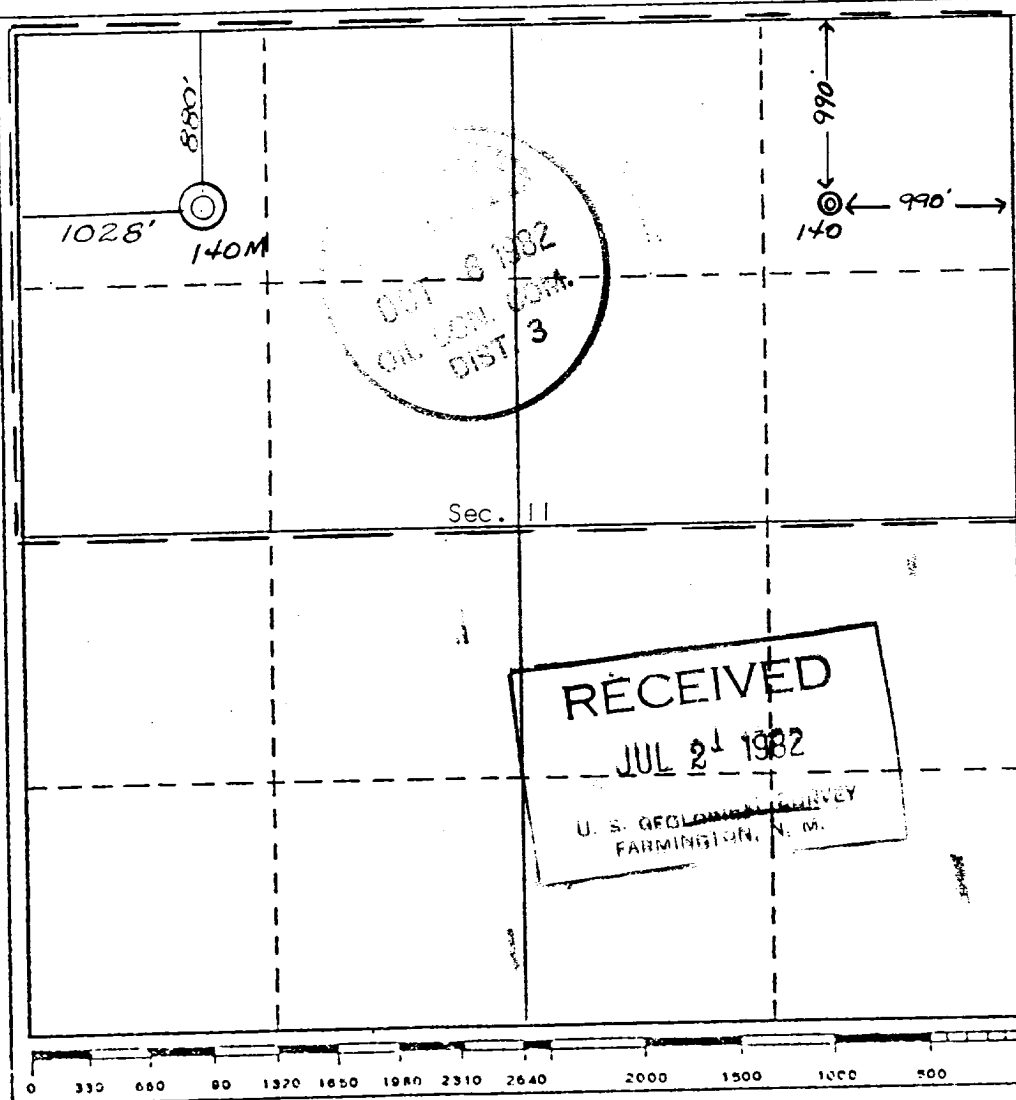
Operator CAULKINS OIL COMPANY			Lease Breach D		Well No. 140-M
Unit Letter D	Section 11	Township 26 NORTH	Range 6 WEST	County RIO ARriba	
Actual Footage Location of Well: 880 feet from the NORTH line and 1028 feet from the WEST line					
Ground Level Elev. 6597.0	Producing Formation Mesa Verde & Dakota	Pool Blanco Mesa Verde & Basin Dakota		Dedicated Acreage: A' 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 E. Verquer
Name

Charles E. Verquer

Position

Superintendent

Company

Caulkins Oil Company

Date

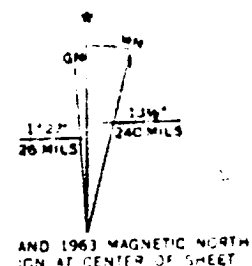
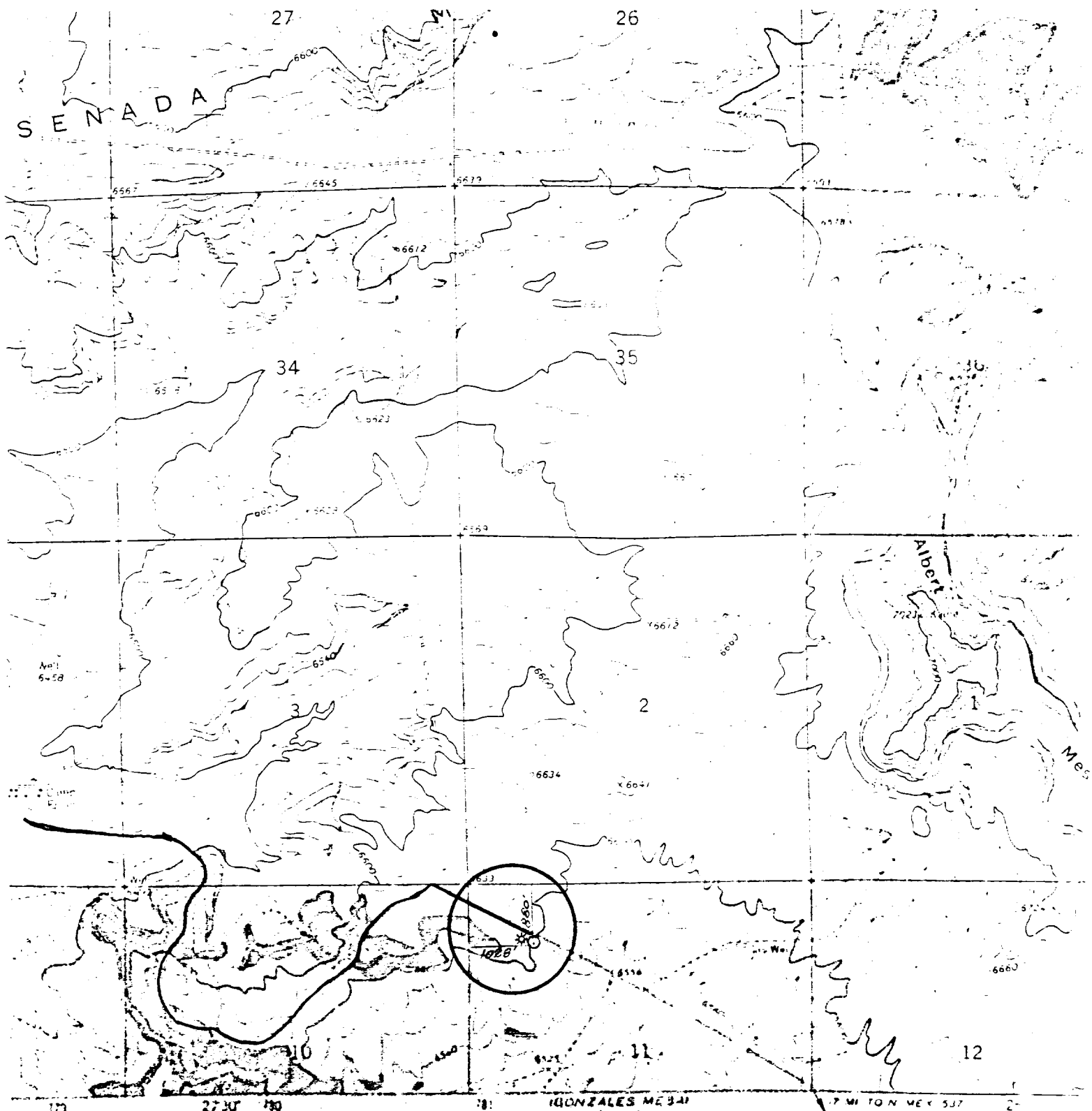
July 20, 1982

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.

Charles E. Verquer
REGISTERED LAND SURVEYOR
NEW MEXICO
Date Surveyed
August 1, 1982
Registered Professional Engineer
and/or Land Surveyor
C. E. Verquer

Certificate No.

5980



THIS MAP COMPLIES WITH NATIONAL
 FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, CO
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND

VICINITY MAP
 CAULKINS OIL COMPANY
 showing
 Well Location in NW/4 NW/4 of Sec. 11
 T26N, R6W, N.M.P.M., Rio Arriba Count
 New Mexico.

Scale: 1"=2000'