

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

1555' F/S and 1770' F/E

At proposed prod. zone

Same

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

40 Miles Southeast Blanco, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any)

1555

16. NO. OF ACRES IN LEASE

2240

2241.44

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

150

19. PROPOSED DEPTH

7770

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320.49

c. ROTARY OR CABLE TOOLS

Rotary

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

6754 GR

22. APPROX. DATE WORK WILL START*

April 20, 1980

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15 1/4"	10 3/4"	32.75#	300'	Sufficient to circulate
7 7/8"	5 1/2"	15.5 & 17#	7770'	1200 Sacks

DRILLING OPERATIONS AUTHORIZED ARE
SURVED TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

Surface Formation San Jose. No abnormal pressure or temperature anticipated.

It is proposed to drill new hole, surface to 7770' using 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 10 3/4" 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

Charles E. Layman

TITLE

Superintendent

(This space for Federal or State office use)

APPROVED

PERMIT NO.

AS AMENDED

APPROVAL DATE

APPROVED BY

FEB 09 1981

CONDITIONS OF APPROVAL IN

to *James F. Sims*

DISTRICT ENGINEER

ch 3-2

30-039-22600

5. LEASE DESIGNATION AND SERIAL NO.

NM 03551

6. IS INDIAN, ALI OR OTHER OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Breech E

9. WELL NO.

64 B M

10. FIELD AND POOL, OR WILDCAT Blanco

Mesa Verde & Basin Dakota

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Section 1 26N 6W

12. COUNTY OR PARISH 13. STATE

Rio Arriba New Mexico

DATE 12-12-80

FEB 4 1981

FEB 4 1981

FEB 4 1981

FEB 4 1981

FEB 4 1981

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 zones.

Well will be completed in Mesa Verde and Dakota zones. Packer will be set in casing to separate zones.

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.

Dakota and Mesa Verde zones will be perforated and fractured to stimulate production.

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

Condensate produced from this well contracted to Shell Pipeline.

Estimated Formation Tops:

Alamo	2720
Pictured Cliffs	3300
Cliff House	4995
Point Lookout	5515
Greenhorn	7444
Dakota	7520

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-10a
Supersedes C-12B
Effective 1-1-75

All distances must be from the outer boundaries of the Section

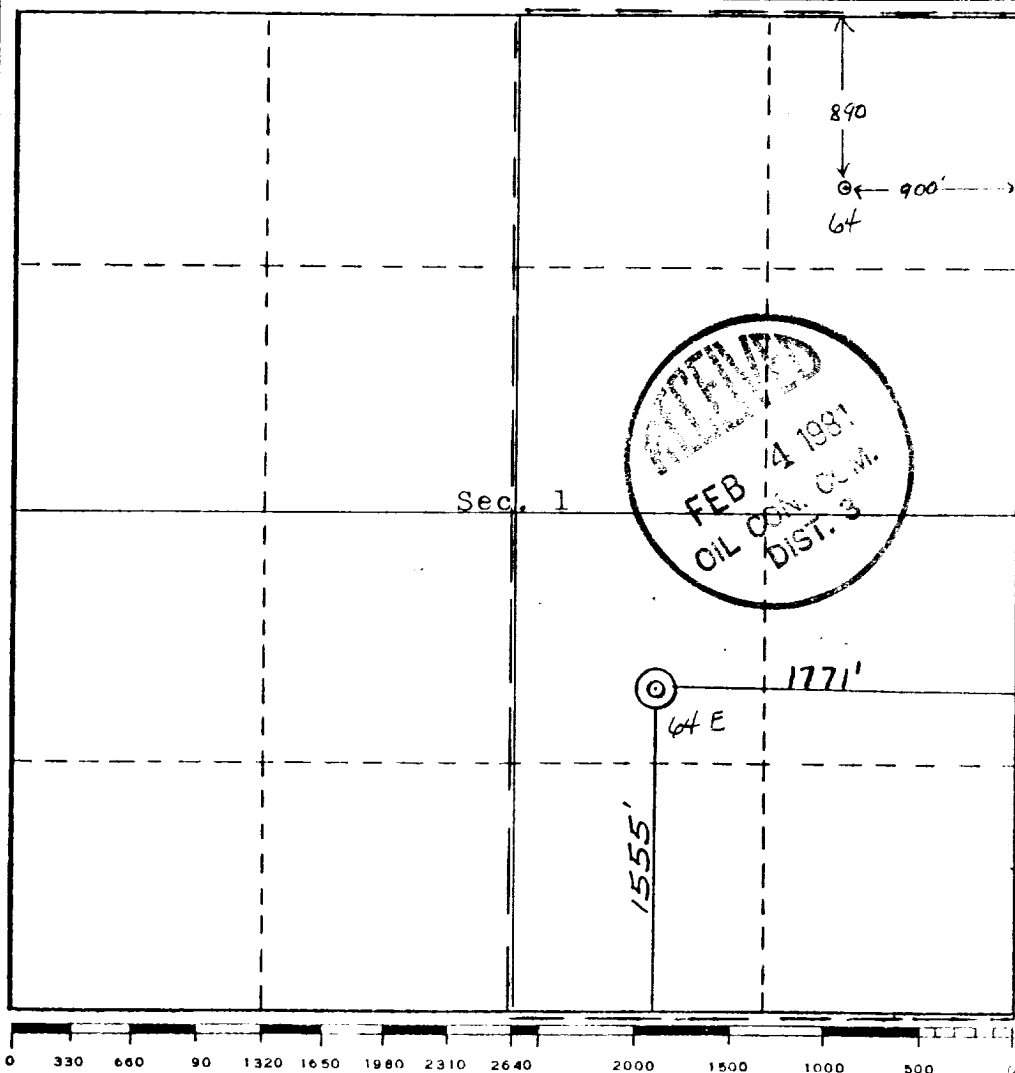
Operator CAULKINS OIL COMPANY			Lease Breech E		Well No. 64-E
Unit Letter J	Section 1	Township 26 NORTH	Range 6 WEST	County RIO ARriba	
Actual Footage Location of Well: 1555 feet from the SOUTH line and 1770 feet from the EAST line					
Ground Level Elev. 6754	Producing Formation Mesa Verde & Dakota	Pool Blanco Mesa Verde Basin Dakota		Dedicated Acreage: 320.99 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 Commission.



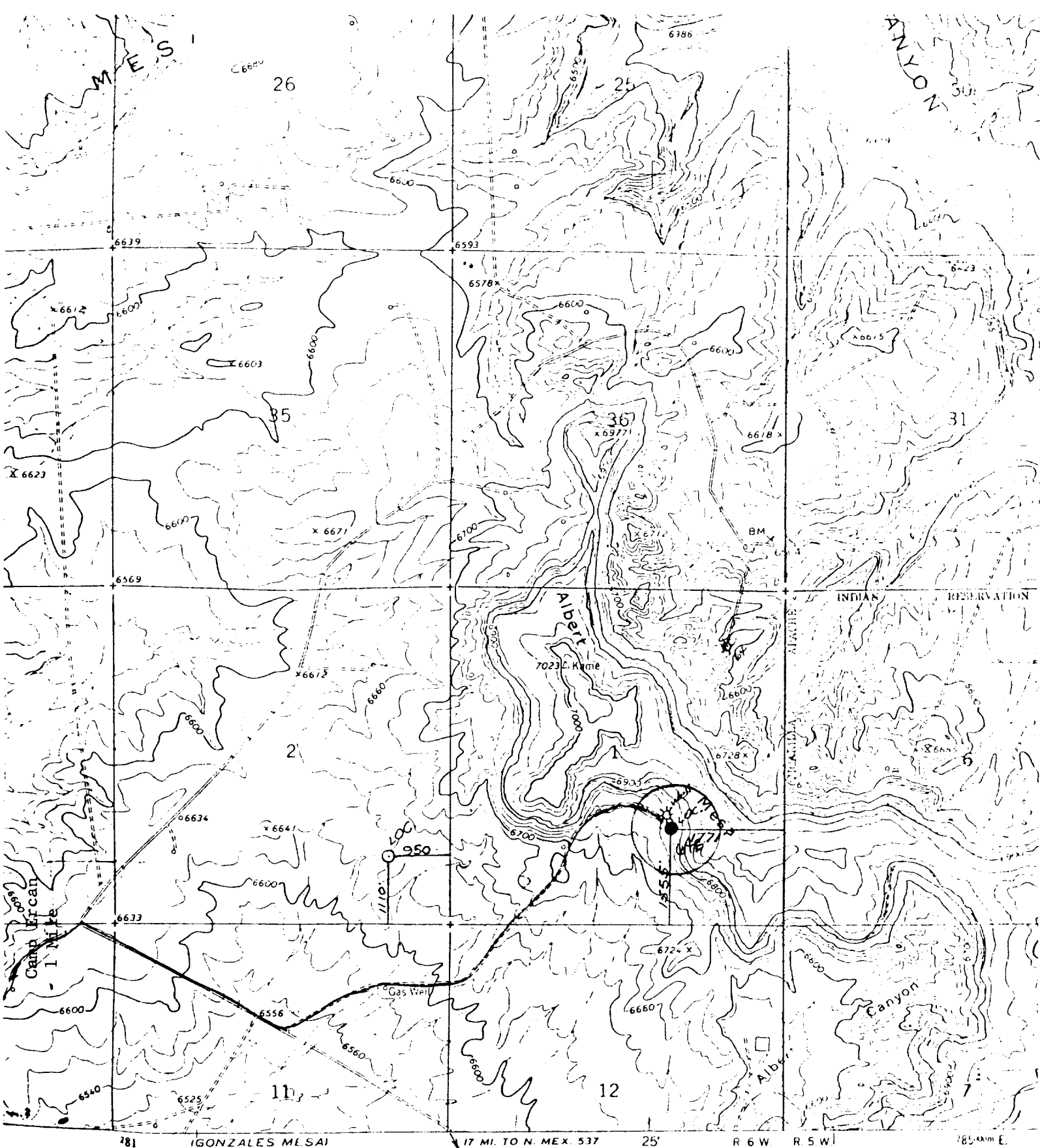
CERTIFICATION

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

Name: Charles E. Verquer
 Position: Superintendent
 Company: Caulkins Oil Company
 Date: December 12, 1980

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.

Date Surveyed: 6 November 1980
 Registered Professional Engineer and/or Licensed Surveyor
 Certificate No. 12345
 NM 1-1-80



SCALE 1:24000

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

VICINITY MAP
CAULKINS OIL COMPANY
Showing
Well location in NW/4 SE/4
Sec. 1, T26N, R6W, N.M.P.M.
Rio Arriba County, N. Mex.