

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

Kenai Oil and Gas Inc.

3. ADDRESS OF OPERATOR

717 17th Street - Suite 2000, Denver, Colorado 80202

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

At surface

NE1/4NW1/4 Section 24- T23N-R8W

At proposed prod. zone

Gallup

5300'

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

Six (6) miles to Nageezi, 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.

2400'

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

6.912' GR

16. NO. OF ACRES IN LEASE

640.00

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40.00

19. PROPOSED DEPTH

5300'

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

Upon Approval

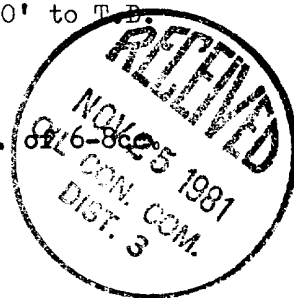
23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	500'	500 sxs
7 7/8"	5 1/2"	15.5#	5300'	400 sxs

OBJECTIVE: Bottom of Gallup Formation

LOGGING: Dual Induction from base of surface to T.D.; FDC-CNL w/GR caliper
over the potential producing zones; Spectralog from 3300' to T.D.

MUD

PROFRAM: Spud Mud from 0-500'
Low solids from 500' to T.D. w/8.8 WT., 32 - 38 Vls, F.L.

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

DATE

11-9-81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

(Orig. Sigs) RICHARD G. STAYARD

TITLE

RICHARD G. STAYARD
ACTING DISTRICT SUPERVISOR

DATE

NOV 23 1981

CONDITIONS OF APPROVAL, IF ANY:

an 2

NMOCC

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

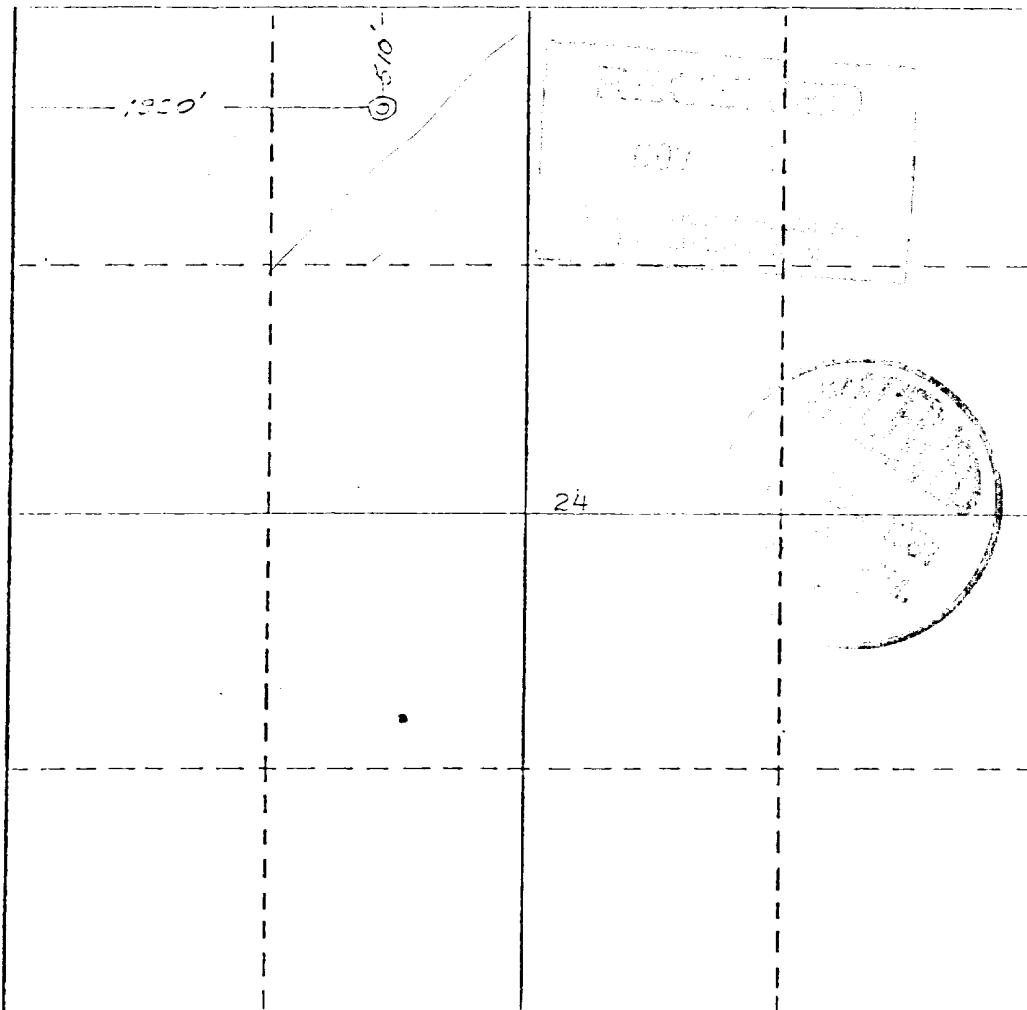
Operator KENAI OIL AND GAS, INC.			Lease Federal 24		Well No. 21
Unit Letter C	Section 24	Township 23 NORTH	Range 8 WEST	County SAN JUAN	
Actual Footage Location of Well:					
510 feet from the NORTH line and		1920 feet from the WEST line			
Ground Level Elev. 6903	Producing Formation GALLUP	Pool WC	Extension		Dedicated Acreage: 40.00

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

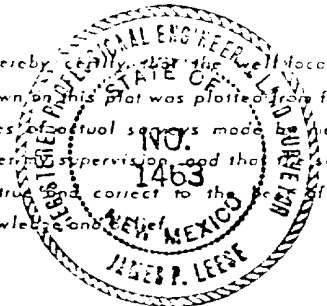


CERTIFICATION

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

Robert K. Thompson
Name
Agent
Position
Carm Oil, Inc.
Company
11/9/81
Date

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
NOVEMBER 2, 1981
Registered Professional Engineer
and/or Land Surveyor
James P. Leese
Certificate No.
1463

VICINITY MAP

Kenai Oil and Gas, Inc.
Dome Federal 24 Well #21
NE $\frac{1}{4}$ M $\frac{1}{2}$, Section 24, T23N-R8W
San Juan County, New Mexico
Existing Road ----- Proposed Road -----

