

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NW 18463	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Kenai Oil and Gas Inc.			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 2000 Energy Center One 717-17th Street Denver, Colorado 80202			8. FARM OR LEASE NAME Federal-5	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1660 FSL and 620 FEL At proposed prod. zone Same			9. WELL NO. 43	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 41 miles-Bloomfield New Mexico			10. FIELD AND POOL, OR WILDCAT Nageezi Gallup	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 620'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA I Sec-5-T23N-R8W	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3960'			12. COUNTY OR PARISH San Juan	
16. NO. OF ACRES IN LEASE 2243.16			13. STATE N.M.	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6851 GL			22. APPROX. DATE WORK WILL START* 6-1-81	

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#	550'	300 sx-circulate
7 7/8"	4 1/2"	10.5#	5500'	815 sx-cover Ojo Alamo

Selectively test, perforate, and sandwater fracture the Gallup formation. A3000 psi WP and 6000 psi test double gate preventer with blind and pipe rams will be used for blowout prevention.

The NESE of Section 5 is dedicated to this well.

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

This action is subject to administrative
appeal pursuant to 30 CFR 290.

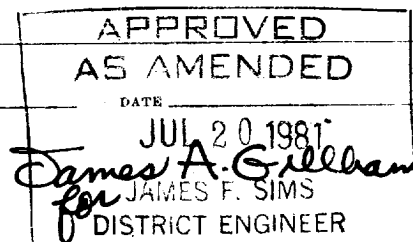


IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED James F. Sims TITLE Agent DATE 5-1-81
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY: _____

NM000



OIL CONSERVATION DIVISION

2

STATE OF NEW MEXICO
OIL AND MINERALS DEPARTMENT

P. O. BOX 2048

SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

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

Operator KENAI OIL & GAS INCORPORATED			Lease FEDERAL 5		Well No. 43
Unit Letter I	Section 5	Township 23N	Range 8W	County San Juan	
Actual Footage Location of Well: 1660 feet from the South line and 620 feet from the East line					
Ground Level Elev: 6851	Producing Formation Gallup		Pool Nageezi	Dedicated Acreage: 40	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.

Sec.	5	1660'	620'

RECEIVED
JUL 22 1981
OIL CON. COM.
DIST. 3

Scale: 1"=1000'

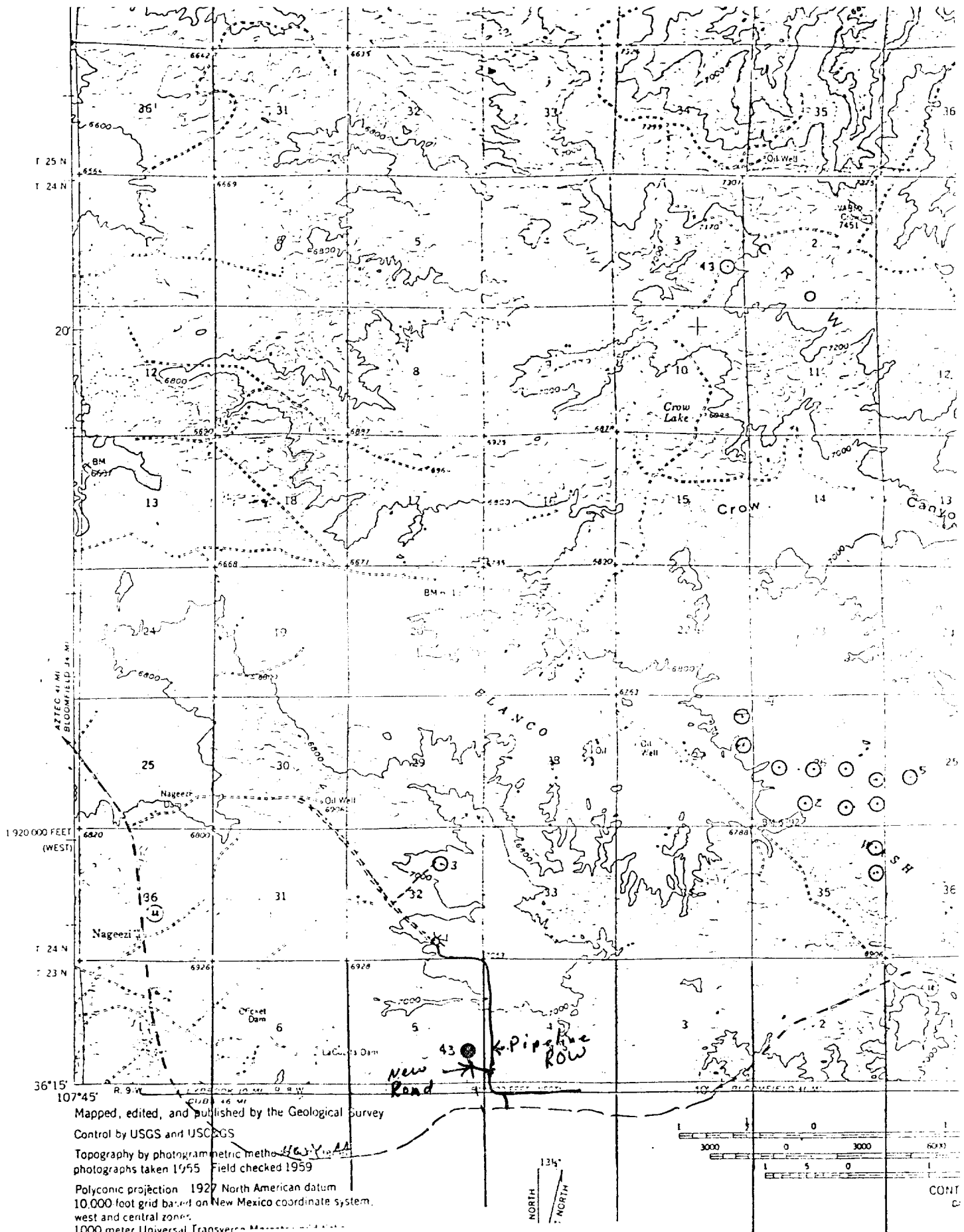
CERTIFICATION

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

Name *Joe F. O'Leary*
Agent
Position
Kenai Oil and Gas, Inc.
Company
5-1-81
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
April 27, 1981
Registered Professional Engineer
and Land Surveyor
Fred B. Kerr Jr.
Fred B. Kerr Jr.
Certificate No. 3950



Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric method
photographs taken 1955 Field checked 1959

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

Dashed land lines indicate appi
Certain land lines omitted bec

Vicinity Map for
KENAI OIL & GAS, INC. #43 FEDERAL 5
1660'FSL 620'FEL Sec. 5-T23N-R8W
SAN JUAN COUNTY, NEW MEXICO

THIS MAP COMPLETES
U.S. GEOLOGICAL SURV
OLDER DESCRIBING TOPOGRA