

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

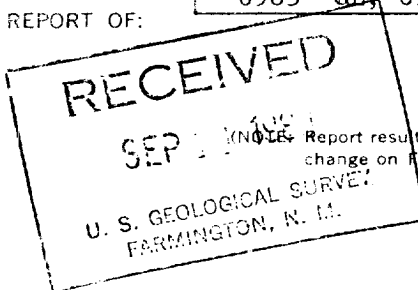
1. oil ☒ well gas ☐ well other ☐
2. NAME OF OPERATOR  
KENAI OIL AND GAS INC.
3. ADDRESS OF OPERATOR  
717 17th Street, Ste. 2000, Denver, CO 80202
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1750' FSL & 1650' FWL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☒  
ABANDON\* ☐  
(other) ☐

SUBSEQUENT REPORT OF:

- ☐  
☐  
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5. LEASE  
NM-29560
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
NONE
7. UNIT AGREEMENT NAME  
NONE
8. FARM OR LEASE NAME  
JEFFERS FED. - 2
9. WELL NO.  
#23
10. FIELD OR WILDCAT NAME  
Wildcat - Gallup
11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA  
2, T23N-R8W
12. COUNTY OR PARISH 13. STATE  
San Juan NM
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6985' GL, 6999' KB

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

During the afternoon of September 7, 1980, Mr. Harold Elledge, as Agent for the Operator, by a phone call to Mr. Jim Sims, District Engineer, U.S.G.S. Farmington, N.M.; requested that the Operator be allowed to permanently abandon the Dakota (perforated from 6274' to 6368') by placing cement on the bridge plug stuck at 5404'.

Mr. Sims granted permission, stipulating that cement be placed by bailer from the bridge plug at 5404' up to 5370'. Operator's Agent agreed to this stipulation.

A summary of the well completion operations to date is attached to support Operator's request. The Gallup is perforated from 5336' to 5349' with 16 holes.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED George B. Sims TITLE MANAGER-Drilling & Production DATE Sept. 8, 1980  
(This space for Federal or State office use)

APPROVED BY SEP 15 1980  
CONDITIONS OF APPROVAL, IF ANY:  
Jim Sims  
DISTRICT ENGINEER

NMOCC

Jeffers Fed. #2-23  
NESW, Sec. 2, T23N-R8W  
San Juan Co., NM

#### COMPLETION SUMMARY

After squeeze cementing casing leak between 2211' and 2251' four times and re-cementing to improve the cement bond, the Dakota was perforated with 16 holes between 6368' and 6274' using 3- $\frac{1}{2}$ " casing gun. The perforations were acidized with 1,000 gals. 15% HCl with 27 ball sealers in 83 bbls. acid and KCl water. The well swabbed dry with 2.5 bbls. load water and acid left to recover. Gas blew for 10 seconds ahead of each swab run after 49 bbls. acid and load water was recovered. The Dakota was fracture treated with 105,000 lbs. 20/40 sand and 9,000 lbs. 10/20 sand in 58,000 gals. Apollo-40 fluid. After 12 work days (14 total days) and recovering 967 bbls. load water out of 1,428 bbls. frac treatment fluid, swab recovery was 2.4 bbls. load water per hour with a 3' gas flare ahead of the swab with no after-flow of gas. It was decided the Dakota was not a commercial producing zone by itself and that an attempt to complete the Gallup should be made.

The Lower Gallup was perforated with 16 holes between 5336' and 5349' with a retrievable bridge plug set at 5410'. The Gallup perforations were acidized and acid plus load water was swabbed back. With 26 bbls. to recover out of 88 bbls. total acid and water injected, oil tested 5% of total fluid and gas burned with a 10' flare. The Lower Gallup was fracture treated with 19,900 lbs. 20/40 sand in a total of 296 bbls. fluid. Four days after the frac with 138 bbls. load fluid to recover, swab recovery was 1/2 bbls. oil and 1/2 bbls. load water per hour and gas flowed for 1 hour at a 161 MCF per day rate (8/23/80). On 8/26/80, a Baker Hydrostatic Bailer was run to remove 31' of frac sand covering the retrievable bridge plug set at 5410'. This operation resulted in sticking the tubing string. After 8 days of fishing, the Bailer and tubing were recovered leaving the bridge plug with damaged retrieving head in the well at 5404' (top of head). After 2 more days (9/5 & 6/80) of trying to recover the bridge plug, permission was requested and granted by the U.S.G.S. by phone on 9/7/80 to place cement on the bridge plug up to 5370' (34' of cement) to permanently abandon the Dakota.