



OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS 66720 - PHONE (316) 431-2650

January 11, 1980

Rumic Oil Company
Rural Route #2
Neodesha, Kansas 66757

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the JT Lease, Well No. 3, Wilson County, Kansas, and submitted to our laboratory on December 27, 1979.

The core was sampled and sealed in plastic bags by a representative of the client.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Benjamin R. Pearman
Benjamin R. Pearman

BRP/tem
5 c to Neodesha, Kansas

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GENERAL INFORMATION & SUMMARY

Company Rumic Oil Company Lease JT Well No. 3

Location -

Section 17 Twp. 29S Rge. 16E County Wilson State Kansas

| | |
|------------------------------|--------------|
| Name of Sand | Bartlesville |
| Top of Core | 813.0 |
| Bottom of Core | 819.0 |
| Top of Sand | 814.5 |
| Bottom of Sand | 819.0 |
| Total Feet of Permeable Sand | 4.5 |
| Total Feet of Floodable Sand | |

| Distribution of Permeable Sand: Permeability Range Millidarcys | Feet | Cum. Ft. |
|--|------|----------|
|--|------|----------|

| | |
|---|--|
| Average Permeability Millidarcys | |
| Average Percent Porosity | |
| Average Percent Oil Saturation | |
| Average Percent Water Saturation | |
| Average Oil Content, Bbls./A. Ft. | |
| Total Oil Content, Bbls./Acre | |
| Average Percent Oil Recovery by Laboratory Flooding Tests | |
| Average Oil Recovery by Laboratory Flooding Tests, Bbls./A. Ft. | |
| Total Oil Recovery by Laboratory Flooding Tests, Bbls./Acre | |
| Total Calculated Oil Recovery, Bbls./Acre | |
| Packer Setting, Feet | |
| Viscosity, Centipoises @ | |
| A. P. I. Gravity, degrees @ 60 °F | |
| Elevation, Feet | |

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LOG

Name Rumic Oil Company Lease JT Well No. 3

| <u>Depth Interval,</u> <u>Feet</u> | <u>Description</u> |
|---------------------------------------|---|
| 813.0 - 814.5 | Gray and brown laminated sandstone and shale. |
| 814.5 - 816.3 | Light brown slightly shaly sandstone. |
| 816.3 - 819.0 | Brown slightly shaly sandstone. |

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Rumic Oil Company Lease JT Well No. 3

| Sample No. | Depth, Feet | Effective Porosity Percent | Percent Saturation | | | Oil Content Bbbls. / A Ft. | Perm., Mill. | Feet of Sand | | Total Oil Content | Perm. Capacity Ft. X md. |
|------------|-------------|----------------------------|--------------------|-------|-------|----------------------------|--------------|--------------|----------|-------------------|--------------------------|
| | | | Oil | Water | Total | | | Ft. | Cum. Ft. | | |
| 1 | 814.6 | 14.9 | 26 | 49 | 75 | 301 | 4.9 | 1.8 | 542 | 8.82 | |
| 2 | 817.4 | 16.3 | 40 | 32 | 72 | 506 | 6.0 | 1.7 | 860 | 10.20 | |
| 3 | 818.4 | 14.4 | 34 | 30 | 64 | 380 | 6.1 | 1.0 | 380 | 6.10 | |