

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Sun Oil Company's Blacks Fork No. 1 well drilled in C SW1/4 (1320 feet N/S 1320 feet E/W) of sec 34, T 14 N, R 116 W, Uinta County, Wyoming

Surface elevation 7,980 feet

| Sample number | | Run No. | Yield of product | | | | Specific gravity of oil at 60°/60° F | Properties of spent shale Tendency to coke | Remarks |
|-----------------|-----------|---------|------------------|-------|------------|-------------|--------------------------------------|---|---------|
| | | | Weight percent | | Gas + loss | Gal per ton | | | |
| Laramie | Their | | Oil | Water | | Spent shale | | Oil ^{1/} | Water |
| SBR68-1524-27 | 40- 80 | | | | | | No Oil | | |
| SBR68-1528-29 | 80- 100 | | | | | | Trace | | |
| SBR68-1530 | 100- 110 | | | | | | b | | |
| SBR68-1531-32 | 110- 130 | | | | | | No Oil | | |
| SBR68-1533 | 130- 140 | | | | | | Trace | | |
| SBR68-1534-1605 | 140- 860 | | | | | | No Oil | | |
| SBR68-1606 | 860- 870 | | | | | | b | | |
| SBR68-1607-09 | 870- 900 | | | | | | No Oil | | |
| SBR68-1610 | 900- 910 | | | | | | Trace | | |
| SBR68-1611-37 | 910-1180 | | | | | | No Oil | | |
| SBR68-1638-39 | 1180-1200 | | | | | | Trace | | |
| SBR68-1640-43 | 1200-1240 | | | | | | No Oil | | |
| SBR68-1644 | 1240-1250 | | | | | | b | | |
| SBR68-1645-82 | 1250-1630 | | | | | | No Oil | | |
| SBR68-1683 | 1630-1640 | | | | | | Trace | | |
| SBR68-1684 | 1640-1650 | | | | | | No Oil | | |
| SBR68-1685 | 1650-1660 | 28537 | 0.7 | 6.8 | 90.9 | 1.6 | 1.7a | 16.3 | None |
| SBR68-1686 | 1660-1670 | 28538 | .6 | 4.4 | 92.6 | 2.4 | 1.7a | 10.5 | None |
| SBR68-1687 | 1670-1680 | 28539 | .7 | 5.4 | 92.4 | 1.5 | 1.7a | 12.9 | None |
| SBR68-1688 | 1680-1690 | | | | | | No Oil | | |
| SBR68-1689-92 | 1690-1730 | | | | | | Trace | | |
| SBR68-1693-1701 | 1730-1820 | | | | | | No Oil | | |
| SBR68-1702 | 1820-1830 | | | | | | b | | |
| SBR68-1703 | 1830-1840 | | | | | | Trace | | |
| SBR68-1704 | 1840-1850 | | | | | | No Oil | | |
| SBR68-1705 | 1850-1860 | | | | | | Trace | | |
| SBR68-1706-09 | 1860-1900 | | | | | | No Oil | | |
| SBR68-1710 | 1900-1910 | | | | | | Trace | | |
| SBR68-1711 | 1910-1920 | | | | | | No Oil | | |
| SBR68-1712-13 | 1920-1940 | | | | | | Trace | | |

See footnotes at end of table.

Drill cutting samples received October 5, 1967; assays made on air-dried samples

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Samples from Sun Oil Company's Blacks Fork No. 1 well (con.)

Surface elevation 7,980 feet

| Sample number | | Run No. | Yield of product | | | | Specific gravity of oil at 60°/60° F | Properties of spent shale Tendency to coke | Remarks |
|---------------|-----------|---------|------------------|-------|------------|-------------|--------------------------------------|---|---------|
| | | | Weight percent | | Gas + loss | Gal per ton | | | |
| Laramie | Their | | Oil | Water | | Spent shale | | Oil ^{1/} | Water |
| SBR68-1714 | 1940-1950 | | | | | | b | | |
| SBR68-1715 | 1950-1960 | | | | | | Trace | | |
| SBR68-1716 | 1960-1970 | | | | | | No Oil | | |
| SBR68-1717 | 1970-1980 | | | | | | b | | |
| SBR68-1718 | 1990-2000 | | | | | | No Oil | | |
| SBR68-1719-82 | 2200-2840 | | | | | | No Oil | | |
| SBR68-1783-90 | 2850-2930 | | | | | | No Oil | | |
| SBR68-1791-94 | 2960-3000 | | | | | | No Oil | | |

^{1/} "a"--indicated specific gravity estimated as 0.92. Oil yields were estimated by a rapid test-tube method: "No Oil," "Trace," "b",--less than 1 gal oil/ton

Drill cutting samples received October 5, 1967; assays made on air-dried samples

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