

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USBM Rock Springs Well No. 6-1 drilled in NW1/4SE1/4NW1/4
of sec 15, T 18 N, R 106 W, Sweetwater County, Wyoming

| 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 | | Spent shale | Gas + loss | Gal per ton | | | | |
| Laramie | Their | | Oil | Water | | | | | Oil ^{1/} | Water | |
| OSCR-RS-6-1 | 40.0-41.0 | 13868 | 0.8 | 1.2 | 97.5 | 0.5 | 2.0a | 2.9 | | None | |
| | 41.0-42.0 | 13869 | .2 | 1.8 | 97.2 | .8 | .6a | 4.2 | | None | |
| | 42.0-43.0 | 13870 | .1 | 2.0 | 97.0 | .9 | .2a | 4.8 | | None | |
| | 43.0-44.0 | 13871 | .1 | 2.6 | 96.8 | .5 | .1a | 6.2 | | None | |
| | 44.0-45.0 | 13872 | .1 | 2.3 | 96.7 | .9 | .2a | 5.6 | | None | |
| | 45.0-46.0 | 13873 | .3 | 2.6 | 96.3 | .8 | .7a | 6.2 | | None | |
| | 46.0-47.0 | 13874 | 1.0 | 1.9 | 96.5 | .6 | 2.6a | 4.6 | | None | |
| | 47.0-48.0 | 13875 | 4.2 | 1.4 | 93.3 | 1.1 | 11.0 | 3.4 | 0.918 | None | |
| | 48.0-49.0 | 13876 | 5.2 | .9 | 92.5 | 1.4 | 13.7 | 2.2 | .911 | None | |
| | 49.0-50.0 | 13877 | 4.6 | 1.4 | 92.8 | 1.2 | 12.2 | 3.4 | .910 | None | |
| | 50.0-51.0 | 13878 | 4.2 | 1.3 | 93.3 | 1.2 | 11.0 | 3.2 | .908 | None | |
| | 51.0-52.0 | 13879 | 4.7 | 1.2 | 92.2 | 1.9 | 12.2 | 3.0 | .918 | None | |
| | 52.0-53.0 | 13880 | 3.2 | .9 | 94.4 | 1.5 | 8.4 | 2.2 | .925 | None | |
| | 53.0-54.0 | 13881 | 3.0 | 1.3 | 94.3 | 1.4 | 7.7 | 3.1 | .928 | None | |

^{1/} "a"--indicates specific gravity estimated as 0.92.

Core samples received January 1966; assays made on air-dried samples