

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USBM Rock Springs Well No. 8-1 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			
Laramie	Their		Oil	Water					Oil ^{1/}
OSCR-RS-8-1	40.0-41.0	13853	0.5	1.3	97.6	0.6	1.4a	3.1	None
	41.0-42.0	13854	.0	2.3	96.4	1.3	Trace	5.5	None
	42.0-43.0	13855	.0	2.7	97.1	.2	Trace	6.5	None
	43.0-44.0	13856	.1	2.9	96.9	.1	.1a	7.0	None
	44.0-45.0	13857	.1	3.0	96.6	.3	.2a	7.2	None
	45.0-46.0	13858	1.0	1.3	96.7	1.0	2.6a	3.1	None
	46.0-47.0	13859	3.5	1.3	93.2	2.0	8.9	3.1	0.933
	47.0-48.0	13860	4.5	1.2	93.0	1.3	11.7	2.9	.916
	48.0-49.0	13861	4.6	1.2	92.6	1.6	12.0	2.9	.910
	49.0-50.0	13862	4.7	1.5	92.0	1.8	12.3	3.6	.908
	50.0-51.0	13863	4.6	1.2	92.9	1.3	12.0	2.9	.916
	51.0-52.0	13864	4.3	.8	93.8	1.1	11.3	1.8	.921
	52.0-53.0	13865	2.3	1.5	95.1	1.1	5.9	3.6	.925
	53.0-54.0	13866	2.7	1.2	94.8	1.3	7.0	2.9	.927
	54.0-55.0	13867	2.6	1.3	94.5	1.6	6.9	3.1	.921

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

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