

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USBM Rock Springs Well No. RS 21-1 drilled in NESENW sec 15, T 18 N, R 106 W,
Sweetwater County, Wyoming

Sample number	Yield of Product						Specific gravity of oil at 60°/60° F	Properties of Spent shale Tendency to coke	Remarks
	Weight percent			Gal per ton					
	Oil	Water	Spent shale	Gas + loss	Oil ^{1/}	Water			
30.0-31.0	0.1	2.7	96.9	0.3	0.3a	6.5	None		
31.0-32.0	.1	2.8	96.9	.2	.3a	6.6	None		
32.0-33.0	.6	2.5	96.2	.7	1.4a	6.0	None		
33.0-34.0	.5	2.4	96.7	.4	1.2a	5.8	None		
34.0-34.6	1.5	2.2	95.5	.8	4.0a	5.3	None		
34.6-35.2	4.2	2.6	92.0	1.2	11.0	6.2	0.924	None	
35.2-36.2	8.1	2.2	87.5	2.2	21.3	5.3	.915	None	
36.2-37.2	3.4	2.5	93.0	1.1	8.8a	6.0	None		
37.2-37.5	2.9	2.0	94.6	.5	7.7a	4.8	None		
37.5-37.8	8.3	4.2	83.9	3.6	21.7a	10.1	None		
37.8-38.8	1.1	1.5	97.1	.3	2.8a	3.6	None		
38.8-39.8	1.3	.7	97.4	.6	3.4a	1.7	None		
39.8-40.8	.9	.4	98.0	.7	2.4a	.8	None		
40.8-41.8	.7	.8	98.2	.3	1.7a	1.9	None		
41.8-42.2	.1	2.2	97.3	.4	.2a	5.3	None		

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

Core samples received January 11, 1967; Assays made on as-received basis