

## OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Rock Springs Well No. 20F-1 drilled in NWSNW sec 15, T 18 N, R 106 W,  
Sweetwater County, Wyoming

Sample number	Yield of Product				Gal per ton		Specific gravity of oil at 60°/60°F	Properties of spent shale Tendency to coke	Remarks
	Weight percent		Spent shale	Gas + loss	Oil <sup>1/</sup>	Water			
Oil	Water								
35.0-35.7	1.4	3.0	95.3	.3	3.5a	7.3		None	
35.7-36.0	2.2	3.6	93.2	1.0	5.8	8.6	0.910	None	
36.0-37.0	7.0	3.6	87.4	2.0	18.2	8.6	.915	None	
37.0-37.8	5.1	3.8	89.7	1.4	13.4	9.1	.914	None	
37.8-38.0	4.6	3.7	90.7	1.0	12.0a	8.9		None	
38.0-39.0	1.4	2.0	95.8	.8	3.7a	4.8		None	
39.0-40.3	.6	1.8	97.1	.5	1.5a	4.3		None	
40.3-41.3	.1	3.1	95.9	.9	.2a	7.5		None	
41.3-42.3	.1	4.1	95.4	.4	.1a	9.9		None	
42.3-43.3	.1	4.0	95.4	.5	.2a	9.7		None	
43.3-44.3	.1	5.1	94.0	.8	.3a	12.2		None	
44.3-45.1	.1	4.9	94.3	.7	.3a	11.6		None	
45.1-46.1	1.0	3.2	95.2	.6	2.7a	7.7		None	
46.1-46.6	1.3	3.1	95.0	.6	3.5a	7.4		None	
46.6-47.0	4.0	4.6	90.5	.9	10.2	11.0	.930	None	
47.0-47.5	4.2	2.5	91.7	1.6	11.1	6.0	.915	None	
47.5-48.4	5.1	2.0	91.2	1.7	13.4	4.8	.913	None	
48.4-48.5	2.4	1.9	94.5	1.2	6.4a	4.6		None	
48.5-49.5	4.8	2.4	91.2	1.6	12.7	5.8	.910	None	
49.5-50.4	4.4	2.3	91.8	1.5	11.6	5.5	.913	None	

<sup>1/</sup> "a"--indicates specific gravity estimated as 0.92.

Core samples received September 1966; assays made on as-received basis