

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Sample from USBM Rock Springs Well No. B-2 drilled in SESENW 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		Remarks	
		Weight percent		Gas + loss	Gal per ton		Tendency to coke			
		Oil	Water		Oil			Water		
10-12	20694	8.4	1.7	87.0	2.9	22.0	4.2	0.912	None	
12-14	20695	5.8	1.6	91.1	1.5	15.1	3.8	.918	None	
14-16	20696	.6	1.6	96.9	.9	1.6a	3.8		None	
16-18	20697	.2	1.8	97.2	.8	.6a	4.2		None	
18-20	20698	.2	2.2	97.1	.5	.6a	5.2		None	
20-22	20699	1.7	1.3	96.1	.9	4.4a	3.1		None	
22-24	20700	7.0	1.8	89.3	1.9	18.1	4.3	.919	None	
24-26	20701	2.9	1.6	94.0	1.5	7.6	3.8	.928	None	
26-28	20702	.5	1.0	98.0	.5	1.2a	2.4		None	
28-30	20703	.1	1.2	98.2	.5	.4a	2.9		None	
30-32	20704	.6	.6	98.1	.7	1.6a	1.4		None	
32-34	20705	6.1	1.2	90.8	1.9	16.1	2.9	.911	None	
34-36	20706	11.2	1.7	83.7	3.4	28.9	4.1	.930	None	
36-38	20707	12.3	1.8	82.7	3.2	31.6	4.3	.929	None	
38-40	20708	10.6	2.1	85.1	2.2	27.8	5.0	.918	None	
40-42	20709	6.8	1.3	89.5	2.4	17.8	3.1	.916	None	
42-44	20710	6.4	2.3	89.4	1.9	16.8	5.5	.910	None	
44-46	20711	4.9	2.0	91.0	2.1	13.0	4.7	.909	None	
46-48	20712	6.8	2.3	88.1	2.8	17.8	5.5	.922	None	
48-50	20713	7.3	2.4	87.9	2.4	18.9	5.8	.928	None	
50-52	20714	5.7	2.3	90.1	1.9	14.6	5.5	.942	None	
52-54	20715	9.1	2.0	85.8	3.1	23.7	4.8	.926	None	
54-56	20716	8.7	2.2	86.6	2.5	22.4	5.3	.933	None	
56-58	20717	7.1	2.6	88.1	2.2	18.0	6.1	.950	None	
58-60	20718	8.7	2.4	86.4	2.5	22.5	5.8	.931	None	
60-62	20719	11.2	1.2	85.1	2.5	29.2	2.9	.916	None	
62-64	20720	11.2	1.3	84.2	3.3	29.6	3.0	.909	None	
64-66	20721	9.1	2.6	86.0	2.3	23.8	6.2	.911	None	
66-68	20722	6.3	2.6	90.1	1.0	16.4	6.2	.917	None	
68-70	20723	10.0	2.1	85.6	2.3	26.1	5.0	.919	None	

See footnotes at end of table.

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

## OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USBM Rock Springs Well No. B-2 (con.)

Sample number	Run No.	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							
70-72	20724	4.9	2.0	91.8	1.3	12.9	4.8	0.913	None	
72-74	20725	9.8	1.2	85.9	3.1	25.7	2.8	.915	None	
74-76	20726	5.6	2.0	91.0	1.4	15.0	4.7	.900	None	
76-78	20727	2.5	1.3	95.6	.6	6.6	3.1	.899	None	
78-80	20728	1.5	1.6	96.2	.7	4.0a	3.8		None	

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

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