

## OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USEM Rock Springs Well No. C-2 drilled in SESENW, 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 <sup>1/</sup>	Water		
10 -12	8.0	1.8	88.3	1.9	20.9	4.3	0.915	None
10 -12	7.8	1.7	88.6	1.9	20.3	4.2	.915	None
12 -14	6.2	1.6	90.8	1.4	16.2	3.8	.920	None
12 -14	6.4	1.6	90.8	1.2	16.8	3.8	.920	None
14 -16	.8	1.5	97.2	.5	2.0a	3.6		None
14 -16	.7	1.6	96.5	1.2	1.9a	3.8		None
16 -18	.6	1.5	97.9	.0	1.5a	3.6		None
16 -18	.7	1.3	97.4	.6	1.8a	3.2		None
18 -20	.2	2.2	97.3	.3	.6a	5.3		None
18 -20	.2	2.1	97.2	.5	.5a	5.0		None
20 -22	1.1	1.4	96.8	.7	2.9a	3.4		None
20 -22	1.2	1.3	96.8	.7	3.1a	3.2		None
22 -24	6.1	1.8	90.4	1.7	15.9	4.3	.920	None
22 -24	6.1	1.8	90.4	1.7	15.9	4.3	.920	None
24 -26	4.3	1.8	92.4	1.5	11.2	4.2	.925	None
24 -26	5.2	1.8	91.2	1.8	13.5	4.2	.925	None
26 -28	.2	1.2	98.2	.4	.6a	2.9		None
26 -28	.1	1.2	98.2	.5	.4a	2.9		None
28 -30	.3	1.1	98.4	.2	.9a	2.5		None
28 -30	.3	1.1	98.4	.2	.8a	2.6		None
30 -32	.4	.8	98.4	.4	1.2a	1.9		None
30 -32	.4	.9	98.5	.2	.9a	2.2		None
32 -34	4.3	1.1	93.4	1.2	11.3	2.6	.916	None
32 -34	5.0	1.0	92.6	1.4	13.2	2.4	.916	None
34 -36	9.4	1.7	86.8	2.1	24.3	4.1	.922	None
36 -38	12.3	1.9	82.6	3.2	31.5	4.6	.934	None
38 440	11.1	2.0	84.7	2.2	28.8	4.8	.921	None
40.0-40.1	11.3	2.5	83.5	2.7	29.6	6.0	.914	None
40.1-40.5	8.2	2.4	87.0	2.4	21.4	5.8	.915	None
40.5-40.7	4.6	1.6	92.5	1.3	12.0	3.8	.918	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 USRM Rock Springs Well No. C-2 (con.)

Sample number	Yield of Product				Specific gravity		Properties of spent shale Tendency to coke	Remarks	
	Weight percent		Spent shale	Gas + loss	Gal per ton				of oil at 60°/60°F
	Oil	Water			Oil <sup>1/</sup>	Water			
40.7-41.7	7.6	2.2	88.7	1.5	19.8	5.3	0.915	None	
41.7-42.3	6.7	1.8	89.5	2.0	17.5	4.3	.914	None	
42.3-43.3	4.4	1.7	92.0	1.9	11.5	4.1	.912	None	
43.3-44.3	6.8	2.3	88.8	2.1	18.0	5.5	.910	None	
44.3-45.3	6.6	2.6	88.6	2.2	17.5	6.2	.908	None	
45.3-46.3	4.9	2.8	89.8	2.5	13.0	6.7	.907	None	
46.3-46.9	5.1	2.7	89.3	2.9	13.5	6.5	.907	None	
46.9-47.9	7.7	3.0	86.8	2.5	20.1	7.2	.918	None	
47.9-48.9	7.6	3.2	87.0	2.2	19.6	7.7	.922	None	
48.9-49.1	5.9	2.3	89.6	2.2	15.1	5.6	.930	None	
49.1-50.1	7.1	2.5	87.3	3.1	18.4	6.0	.932	None	
50.1-51.1	7.8	2.5	86.6	3.1	20.2	6.0	.931	None	
51.1-52.1	5.5	2.4	89.6	2.5	14.0	5.8	.941	None	
52.1-52.5	5.8	2.4	89.6	2.2	14.6	5.9	.941	None	
52.5-52.8	3.2	3.9	91.4	1.5	8.4a	9.3		None	
52.8-53.2	7.3	2.3	88.0	2.4	18.7	5.5	.937	None	
53.2-54.2	9.7	2.2	85.0	3.1	25.2	5.3	.922	None	
54.2-54.7	9.4	2.4	85.8	2.4	24.4	5.6	.925	None	
54.7-55.7	8.9	2.5	85.9	2.7	23.0	6.0	.930	None	
55.7-56.7	8.1	2.5	87.4	2.0	20.8	6.0	.938	None	
56.7-57.7	8.8	2.4	87.1	1.7	22.4	5.8	.941	None	
57.7-58.7	6.8	2.7	88.8	1.7	17.3	6.5	.947	None	
58.7-59.2	6.3	2.7	89.1	1.9	16.1	6.5	.944	None	
60 -62	10.0	1.7	85.8	2.5	26.1	4.1	.920	None	
62 -64	11.7	1.4	83.7	3.2	30.7	3.4	.912	None	
64 -66	10.4	1.9	84.7	3.0	27.3	4.6	.915	None	
66 -68	7.1	2.7	87.7	2.5	18.5	6.5	.914	None	
68 -70	9.1	1.9	87.1	1.9	23.6	4.6	.924	None	
70 -72	7.9	2.8	87.1	2.2	20.7	6.7	.914	None	
72 -74	8.1	1.3	87.8	2.8	21.3	3.1	.913	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. C-2 (con.)

Sample number	Yield of Product				Specific gravity		Properties of spent shale Tendency to coke	Remarks
	Weight percent		Gal per ton		of oil at 60°/60°F			
	Oil	Water	Spent shale	Gas + loss	Oil	Water		
74 -76	7.2	2.0	88.4	2.4	19.0	4.8	0.914	None
76 -78	2.6	2.0	94.3	1.1	7.0	4.8	.890	None
78 -80	1.9	1.2	95.8	1.1	4.9a	3.0		None

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

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

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