

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples From USBM Rock Springs Well No. A-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			Gal per ton				Tendency to coke		
		Oil	Water	Spent shale	Gas + loss	Oil ^{1/}	Water				
10-12	20660	7.4	1.7	89.4	1.5	19.4	4.1	0.916	None		
12-14	20661	5.9	1.6	89.6	2.9	15.5	3.8	.921	None		
14-16	20662	.7	1.8	97.0	.5	1.9a	4.3		None		
16-18	20663	.1	1.8	98.1	.0	.2a	4.3		None		
18-20	20664	.2	2.2	97.0	.6	.6a	5.3		None		
20-22	20665	3.2	1.6	94.1	1.1	8.3	3.8	.911	None		
22-24	20665A	8.5	1.8	87.1	2.6	22.0	4.3	.921	None		
24-26	20666	6.5	2.0	89.4	2.1	16.9	4.8	.920	None		
26-28	20667	.1	1.5	98.0	.4	.2a	3.6		None		
28-30	20668	.1	1.2	98.3	.4	.3a	2.9		None		
30-32	20669	.3	.8	98.2	.7	.7a	2.0		None		
32-34	20670	3.4	1.1	93.8	1.7	8.9	2.6	.909	None		
34-36	20671	9.8	1.8	85.6	2.8	25.3	4.3	.923	None		
36-38	20672	12.1	2.0	83.7	2.2	31.1	4.8	.931	None		
38-40	20673	11.7	2.1	83.1	3.1	30.5	5.0	.916	None		
40-42	20674	7.2	1.4	89.0	2.4	18.7	3.4	.914	None		
42-44	20675	5.6	1.7	90.9	1.8	14.9	4.1	.907	None		
44-46	20676	6.1	2.1	88.6	3.2	16.1	5.0	.912	None		
46-48	20677	6.1	2.1	89.5	2.3	15.9	5.0	.918	None		
48-50	20678	8.0	2.0	87.9	2.1	20.8	4.8	.926	None		
50-52	20679	6.7	1.9	88.1	3.3	17.1	4.6	.934	None		
52-54	20680	7.4	2.0	87.8	2.8	18.9	4.8	.933	None		
54-56	20681	9.2	2.2	85.0	3.6	23.8	5.3	.928	None		
56-58	20682	8.2	2.3	87.9	1.6	20.8	5.6	.941	None		
58-60	20683	6.6	2.6	88.7	2.1	16.7	6.2	.941	None		
60-62	20684	11.6	1.9	82.7	3.8	30.6	4.6	.913	None		
62-64	20685	10.7	1.2	85.2	2.9	28.3	2.9	.909	None		
64-66	20686	8.2	2.5	87.9	1.4	21.6	6.0	.912	None		
66-68	20687	7.3	2.4	88.0	2.3	19.2	5.8	.910	None		
68-70	20688	8.3	1.9	87.2	2.6	21.6	4.6	.921	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

Sample from USBM Rock Springs Well No. A-2 (con.)

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		Gal per ton						
		Oil	Water	Spent shale	Gas + loss	Oil ^{1/}	Water			
70-72	20689	7.2	2.1	87.8	2.9	19.1	5.0	0.909	None	
72-74	20690	6.8	1.5	89.8	1.9	17.8	3.6	.913	None	
74-76	20691	7.0	1.7	89.7	1.6	18.4	4.1	.911	None	
76-78	20692	2.3	1.0	95.4	1.3	6.3	2.4	.892	None	
78-80	20693	1.9	1.2	95.9	1.0	5.0a	2.8		None	

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

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

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