

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USEM Rock Springs Well No. D-2 drilled in SESENW sec 15, T 18 N, R 106 W,
Sweetwater County, Wyoming

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 ^{1/}	Water			
		Oil	Water							
10-12	20729	7.6	2.0	89.2	1.2	19.9	4.7	0.913	None	
12-14	20730	7.9	1.6	88.3	2.2	20.6	3.8	.916	None	
14-16	20731	.5	1.7	97.4	.4	1.3a	4.2		None	
16-18	20732	.2	2.0	97.7	.1	.4a	4.9		None	
18-20	20733	.2	2.2	97.3	.3	.6a	5.2		None	
20-22	20734	2.7	1.5	95.2	.6	7.2	3.6	.911	None	
22-24	20735	8.7	1.8	87.5	2.0	22.7	4.3	.915	None	
24-26	20736	5.9	2.0	91.0	1.1	15.4	4.8	.918	None	
26-28	20737	.4	1.0	98.1	.5	.9a	2.4		None	
28-30	20738	.2	1.3	98.1	.4	.4a	3.1		None	
30-32	20739	.3	.8	98.5	.4	.9a	1.9		None	
32-34	20740	4.3	1.0	93.6	1.1	11.2	2.4	.912	None	
34-46	20741	8.2	1.8	87.8	2.2	21.5	4.3	.914	None	
36-38	20742	12.1	1.9	82.6	3.4	31.4	4.6	.925	None	
38-40	20743	10.8	2.1	84.3	2.8	28.4	5.0	.915	None	
60-62	20744	11.3	1.3	84.8	2.6	29.7	3.1	.915	None	
62-64	20745	11.4	1.2	84.1	3.3	30.1	2.9	.907	None	
64-66	20746	9.4	2.2	86.0	2.4	24.7	5.3	.909	None	
66-68	20747	6.1	2.4	89.9	1.6	15.8	5.8	.918	None	
68-70	20748	10.1	2.4	84.5	3.0	26.3	5.8	.918	None	
70-72	20749	4.8	2.3	91.1	1.8	12.8	5.5	.910	None	
72-74	20750	8.8	1.0	88.5	1.7	23.0	2.3	.914	None	
74-76	20751	5.0	1.8	90.7	2.5	13.2	4.4	.905	None	
76-78	20752	1.8	1.4	95.8	1.0	4.8a	3.2		None	
78-80	20753	1.8	1.4	95.8	1.0	4.6a	3.5		None	

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

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

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USEM Rock Springs Project Well No. D-2 drilled in SE1/4SE1/4NW1/4 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 Tendency to coke		Remarks	
			Weight percent		Spent shale	Gas + loss					Gal per ton
Laramie	Their		Oil	Water					Oil ^{1/}	Water	
SBR68-379	40.0-40.2	27965	11.8	1.9	83.5	2.8	30.8	4.5	0.922	None	
SBR68-380	40.2-40.6	27966	9.1	1.6	87.0	2.3	23.5	3.8	.925	None	
SBR68-381	40.6-40.8	27967	4.5	1.2	93.0	1.3	11.7	2.9	.918	None	
SBR68-382	40.8-41.8	27968	7.1	1.7	89.4	1.8	18.3	4.1	.923	None	
SBR68-383	41.8-42.5	27969	6.7	.7	89.5	3.1	17.5	1.7	.922	None	
SBR68-384	42.5-43.5	27970	4.1	1.4	92.2	2.3	10.8	3.4	.909	None	
SBR68-385	43.5-44.5	27971	6.7	1.7	88.8	2.8	17.7	4.1	.912	None	
SBR68-386	44.5-45.5	27972	5.9	2.4	88.1	3.6	15.6	5.8	.913	None	
SBR68-387	45.5-46.5	27973	4.6	2.5	89.9	3.0	12.1a	6.0		None	
SBR68-388	46.5-46.9	27974	4.5	2.6	90.1	2.8	11.6	6.2	.929	None	
SBR68-389	46.9-47.9	27975	7.0	2.4	88.5	2.1	18.3	5.8	.923	None	
SBR68-390	47.9-48.9	27976	7.4	2.2	87.4	3.0	19.0	5.3	.930	None	
SBR68-391	48.9-49.2	27977	7.3	2.5	87.8	2.4	18.7	6.0	.932	None	
SBR68-392	49.2-50.2	27978	7.0	2.6	87.4	3.0	17.9	6.2	.935	None	
SBR68-393	50.2-51.2	27979	7.4	2.3	88.5	1.8	19.1	5.5	.933	None	
SBR68-394	51.2-51.5	27980	5.1	2.5	89.6	2.8	13.0	6.0	.948	None	
SBR68-395	51.5-51.6	27981	3.2	4.4	90.0	2.4	8.4a	10.4		None	
SBR68-396	51.6-52.7	27982	5.5	2.3	89.2	3.0	13.9	5.5	.941	None	
SBR68-397	52.7-53.1	27983	3.3	4.4	89.8	2.5	8.5a	10.5		None	
SBR68-398	53.1-53.4	27984	6.0	2.5	87.9	3.6	15.3	6.0	.942	None	
SBR68-399	53.4-54.4	27985	9.2	1.8	85.7	3.3	24.0	4.3	.925	None	
SBR68-400	54.4-54.7	27986	9.7	1.8	85.1	3.4	25.2	4.3	.920	None	
SBR68-401	54.7-55.7	27987	8.1	1.8	86.4	3.7	20.8	4.3	.936	None	
SBR68-402	55.7-56.7	27988	9.0	2.2	85.0	3.8	23.2	5.3	.933	None	
SBR68-403	56.7-57.7	27989	8.0	1.9	86.7	3.4	20.3	4.4	.948	None	
SBR68-404	57.7-58.7	27990	6.9	2.5	88.1	2.5	17.5	5.9	.946	None	
SBR68-405	58.7-59.7	27991	6.3	2.5	89.6	1.6	15.9	6.0	.942	None	

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

Core samples received December 1, 1966; assays made on air-dried samples