

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USBM Rock Springs Site No. 4 Well PBC No. 4 drilled in SW1/4SW1/4NE1/4
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			Gal per ton					
Laramie	Their		Oil	Water	Spent shale	Gas + Loss	Oil ^{1/}	Water			
OSCR69-500	60-61	44672	7.7	3.0	86.5	2.8	19.8	7.2	0.928	None	
	61-62	44673	7.6	3.4	86.2	2.8	19.7	8.1	.932	None	
	62-63	44674	4.8	3.0	89.2	3.0	12.3	7.2	.940	None	
	63-64	44675	6.0	2.8	88.3	2.9	15.3	6.7	.940	None	
	64-65	44676	9.4	3.3	83.8	3.5	24.3	7.9	.926	None	
	65-66	44677	9.0	2.9	84.8	3.3	23.2	7.0	.931	None	
	66-67	44678	9.6	3.2	83.2	4.0	24.9	7.7	.931	None	
	67-68	44679	7.8	2.2	87.1	2.9	19.7	5.3	.946	None	
	68-69	44680	7.5	2.7	87.4	2.4	19.0	6.5	.950	None	
	69-70	44681	5.9	3.0	89.7	1.4	14.9	7.2	.952	None	
	70-71	44682	6.1	3.0	88.6	2.3	15.7	7.2	.934	None	
	71-72	44683	7.9	2.6	85.3	4.2	20.4	6.2	.934	None	
	74-75	44684	4.8	1.6	92.0	1.6	12.4	3.8	.920	None	
	75-76	44685	10.7	3.0	85.0	1.3	28.0	7.2	.916	None	
	76-77	44686	6.6	3.0	89.0	1.4	17.4	7.2	.914	None	
	77-78	44688	8.9	3.0	85.6	2.5	23.6	7.2	.908	None	
	78-79	44689	5.7	2.5	89.6	2.2	15.0	6.0	.914	None	
	79-80	44690	6.6	2.4	88.4	2.6	17.2	5.8	.924	None	
	80-81	44691	11.0	2.4	84.1	2.5	28.7	5.8	.921	None	
	81-82	44692	10.1	3.0	83.3	3.6	26.5	7.2	.910	None	
	82-83	44693	4.4	1.8	92.4	1.4	11.6	4.3	.914	None	
	83-84	44694	7.9	2.0	87.1	3.0	20.6	4.8	.920	None	
	84-85	44695	11.0	2.5	84.0	2.5	28.7	6.0	.915	None	
	85-86	44696	7.9	2.9	87.2	2.0	20.8	7.0	.914	None	
	86-87	44697	4.3	4.2	89.6	1.9	11.4	10.2	.897	None	
	87-88	44698	2.1	4.2	92.8	.9	5.6	10.1	.893	None	
	88-89	44699	1.6	4.1	92.4	1.9	4.2a	9.8		None	
	89-90	44700	2.3	2.2	94.3	1.2	6.2	5.3	.885	None	

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

Core samples received October 1969; Assays made on air-dried samples