

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Rock Springs Site 4 Well PBC-15 drilled in
SW1/4SW1/4NE1/4 sec 15, T 18 N, R 106 W, Sweetwater¹ County, Wyoming

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks	
			Weight percent		Spent shale	Gas + loss		Gal per ton			Tendency to coke
Laramie	Their	Oil	Water	Oil ^{1/}			Water				
OSCR69-570	60 -61	46245	6.7	2.6	88.1	2.6	17.2	6.2	0.930	None	
	61 -62	46246	5.9	2.9	89.0	2.2	15.2	7.0	.933	None	
	62 -63	46247	5.9	2.7	88.5	2.9	15.0	6.5	.941	None	
	63 -64	46248	9.8	2.7	83.7	3.8	25.5	6.5	.923	None	
	64.0-64.8	46249	9.3	2.3	85.7	2.7	24.1	5.4	.927	None	
	65.2-66.0	46250	9.9	2.6	83.4	4.1	25.3	6.2	.935	None	
	66 -67	46251	8.0	2.2	86.1	3.7	20.3	5.3	.947	None	
	67 -68	46252	7.8	2.4	87.4	2.4	19.7	5.8	.948	None	
	68 -69	46253	6.4	2.5	88.8	2.3	16.0	6.0	.956	None	
	69 -70	46254	6.5	2.0	87.9	3.6	16.5	4.9	.941	None	
	70.2-71.0	46255	13.4	2.2	79.9	4.5	35.0	5.2	.917	None	
	71 -72	46256	11.5	1.4	84.0	3.1	29.9	3.4	.920	None	
	72 -73	46257	10.0	1.2	86.1	2.7	26.1	2.9	.916	None	
	73 -74	46258	11.5	1.8	83.4	3.3	30.1	4.2	.917	None	
	74 -75	46259	11.5	2.1	83.8	2.6	30.1	5.0	.918	None	
	75 -76	46260	9.8	2.3	85.1	2.8	25.5	5.5	.923	None	
	76 -77	46262	8.8	2.6	86.2	2.4	22.9	6.2	.921	None	
	77 -78	46263	6.8	2.3	89.6	1.3	17.6	5.5	.919	None	
	78 -79	46264	7.0	2.3	89.1	1.6	18.3	5.5	.923	None	
	79 -80	46265	8.2	2.2	87.2	2.4	21.1	5.3	.925	None	
	80 -81	46266	9.9	2.7	84.8	2.6	25.9	6.5	.915	None	
	81.0-81.8	46267	9.0	2.5	85.9	2.6	23.6	6.0	.918	None	
	82.6-84.0	46268	6.8	1.4	89.9	1.9	17.8	3.4	.918	None	
	84 -85	46269	9.5	1.3	87.0	2.2	24.7	3.1	.918	None	
	85 -86	46270	6.6	2.5	89.2	1.7	17.5	6.0	.907	None	
	86 -87	46271	3.5	1.8	93.4	1.3	9.6	4.3	.887	None	
	87 -88	46272	2.2	1.8	94.8	1.2	5.9	4.3	.885	None	
	88 -89	46273	2.0	.8	95.7	1.5	5.1a	1.9		None	
	89.0-89.9	46274	1.3	1.4	95.4	1.9	3.4a	3.4		None	

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

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