

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Rock Springs Site 4 Well PBC-14 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		Remarks	
			Weight percent		Spent shale	Gas + loss		Gal per ton			Tendency to coke
Laramie	Their	Oil	Water	Oil ^{1/}			Water	60°/60° F			
OS-69-569	60 -61	46187	7.2	2.8	87.0	3.0	18.6	6.7	0.930	None	
	61 -62	46188	5.3	2.6	89.1	3.0	13.5	6.2	.938	None	
	62 -63	46189	5.2	2.4	90.4	2.0	13.4	5.8	.937	None	
	63 -64	46190	8.7	2.2	86.2	2.9	22.5	5.3	.930	None	
	64 -65	46191	10.1	2.1	83.3	4.5	26.2	5.0	.924	None	
	65 -66	46237	9.1	2.0	85.6	3.3	23.7	4.8	.926	None	
	66 -67	46193	8.1	2.1	87.8	2.0	20.6	5.0	.936	None	
	67 -68	46194	7.9	2.0	87.9	2.2	20.0	4.8	.942	None	
	68 -69	46195	6.3	2.9	89.1	1.7	15.8	7.0	.948	None	
	69 -70	46196	6.7	2.2	89.0	2.1	17.0	5.3	.940	None	
	70 -71	46197	14.2	1.3	80.0	4.5	37.1	3.1	.915	None	
	71 -72	46198	11.2	1.3	84.6	2.9	29.4	3.1	.910	None	
	72 -73	46199	10.1	1.2	86.0	2.7	26.5	2.9	.913	None	
	73 -74	46200	10.6	1.5	85.3	2.6	27.7	3.6	.914	None	
	74 -75.1	46201	12.7	1.6	82.5	3.2	33.4	3.8	.913	None	
	75.5-76.0	46202	6.0	2.5	89.1	2.4	15.8	6.0	.915	None	
	76.0-76.5	46203	6.0	2.2	89.9	1.9	15.8	5.3	.909	None	
	79.9-80.5	46204	.8	3.6	92.7	2.9	2.1a	8.6		None	
	82 -83	46205	8.6	1.5	86.3	3.6	22.6	3.6	.913	None	
	83 -84	46206	6.8	1.4	89.4	2.4	17.9	3.4	.915	None	
	84 -85	46207	11.4	1.5	83.2	3.9	29.8	3.6	.918	None	
	85 -86	46208	6.5	2.3	88.8	2.4	17.1	5.5	.911	None	
	86 -87	46209	3.0	1.3	93.4	2.3	8.0	3.1	.898	None	
	87 -88	46210	2.0	2.5	93.8	1.7	5.3	6.0	.894	None	
	88 -89	46211	2.2	1.8	94.2	1.8	5.8	4.3	.893	None	
	89 -90	46212	1.4	1.5	95.5	1.6	3.7a	3.6		None	
	90 -90.5	46213	1.2	2.0	96.0	.8	3.2a	4.8		None	

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

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