

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Rock Springs Site 4 Well PBC No. 8 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		Gal per ton			Tendency to		
Laramie	Their		Oil	Water	Spent shale	Gas + loss	Oil <sup>1/</sup>	Water	coke	
OSCR69-565	60 -61	46098	7.2	2.8	87.5	2.5	18.6	6.7	None	
	61 -62	46099	7.8	2.6	86.3	3.3	20.2	6.2	None	
	62 -63	46100	4.7	1.3	90.2	3.8	11.9	3.1	None	
	63 -64	46101	5.5	2.2	90.0	2.3	13.9	5.3	None	
	64 -65	46102	8.2	2.2	86.9	2.7	21.2	5.3	None	
	65 -66	46103	10.0	2.5	84.1	3.4	25.9	6.0	None	
	66 -67	46104	8.6	2.6	85.2	3.6	22.2	6.2	None	
	67 -68	46105	8.4	2.3	86.4	3.0	21.4	5.5	None	
	68 -69	46106	7.4	1.5	87.7	3.4	18.7	3.5	None	
	69 -70	46107	6.2	2.5	88.8	2.5	15.7	6.0	None	
	70.0-70.7	46108	6.3	2.6	89.0	2.1	16.0	6.2	None	
	71.8-73.0	46109	12.3	1.8	82.1	3.8	31.9	4.3	None	
	73 -74	46110	11.2	.9	83.0	4.9	29.2	2.2	None	
	74 -75	46111	11.6	1.0	83.9	3.5	30.4	2.4	None	
	75 -76	46112	10.7	1.4	85.0	2.9	28.2	3.4	None	
	76 -77	46113	11.9	2.3	83.4	2.4	31.1	5.5	None	
	77 -78	46114	8.6	2.6	87.1	1.7	22.6	6.2	None	
	78 -79	46115	9.0	2.5	86.0	2.5	23.8	6.0	None	
	79 -80	46116	5.9	2.4	90.3	1.4	15.5	5.8	None	
	80 -81	46117	7.9	2.3	87.5	2.3	20.5	5.4	None	
	81.0-82.1	46118	10.5	1.8	85.0	2.7	27.1	4.3	None	
	82.2-83.0	46119	8.5	2.0	86.4	3.1	22.3	4.8	None	
	83 -84	46120	5.4	1.5	90.4	2.7	14.0	3.6	None	
	84 -85	46121	7.7	1.5	88.5	2.3	20.2	3.6	None	
	85 -86	46122	9.7	1.3	86.1	2.9	25.3	3.1	None	
	86 -87	46123	6.4	2.6	89.0	2.0	16.9	6.2	None	
	87 -88	46124	3.3	1.5	92.9	2.3	8.8	3.6	None	
	88 -89	46125	1.9	1.6	94.9	1.6	4.9a	3.8	None	
	89 -90	46126	1.9	2.3	94.0	1.8	5.0a	5.5	None	
	90.0-90.7	46127	1.9	1.0	95.5	1.6	5.0a	2.4	None	

<sup>1/</sup> "a"--indicates specific gravity estimated as 0.92.

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