

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Rock Springs Site 4 Well PBC-12 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			Water				
OSGR69-568	60 -61	46214	6.3	2.1	87.7	3.9	16.1	5.0	0.943	None	
	61 -62	46215	8.4	2.3	85.4	3.9	21.5	5.5	.932	None	
	62 -63	46216	5.2	2.4	89.5	2.9	13.1	5.8	.952	None	
	63 -64	46217	5.2	2.5	88.9	3.4	13.3	6.0	.946	None	
	64 -65	46218	5.7	2.0	87.7	4.6	14.5	4.8	.947	None	
	65 -66	46219	9.9	2.0	83.2	4.9	25.6	4.8	.929	None	
	66 -67	46220	8.6	1.9	85.8	3.7	22.0	4.6	.936	None	
	67 -68	46221	9.4	3.0	84.5	3.1	24.1	7.2	.930	None	
	68 -69	46222	8.1	2.9	86.9	2.1	20.6	7.0	.942	None	
	69 -70	46223	7.1	2.9	88.2	1.8	17.8	7.0	.947	None	
	70 -71	46224	6.1	3.0	88.5	2.4	15.5	7.2	.948	None	
	71 -72	46225	9.1	2.3	85.6	3.0	23.5	5.5	.925	None	
	72 -73	46226	13.4	2.0	80.8	3.8	35.2	4.8	.915	None	
	73 -74	46227	10.7	1.5	84.7	3.1	28.1	3.6	.912	None	
	74 -75	46228	10.7	1.6	84.8	2.9	28.3	3.7	.911	None	
	75 -76	46229	11.1	1.8	84.1	3.0	29.0	4.3	.914	None	
	76 -77	46230	12.3	1.9	82.6	3.2	32.4	4.4	.913	None	
	77 -78	46231	8.1	2.5	86.8	2.6	21.4	6.0	.913	None	
	78 -79	46232	9.2	2.4	86.0	2.4	24.3	5.8	.907	None	
	79 -80	46233	6.6	2.0	89.7	1.7	17.3	4.8	.917	None	
	80 -80.5	46234	7.6	2.6	87.8	2.0	19.6	6.2	.922	None	
	80.8-82	46235	8.7	2.4	86.7	2.2	22.7	5.8	.921	None	
	82 -83	46236	11.0	2.8	82.0	4.2	29.2	6.7	.900	None	
	83 -84	46238	5.1	2.1	91.1	1.7	13.2	5.0	.921	None	
	84 -85	46261	11.4	1.5	84.4	2.7	29.8	3.6	.918	None	
	85 -86	46240	12.2	1.1	83.6	3.1	32.0	2.6	.913	None	
	86 -87	46241	7.1	2.0	88.3	2.6	18.4	4.8	.919	None	
	87 -88	46242	4.8	1.8	91.5	1.9	12.8	4.3	.899	None	
	88 -89	46243	2.2	2.4	94.4	1.0	6.0	5.8	.890	None	
	89-90.3	46244	2.3	1.6	94.9	1.2	6.2	3.8	.889	None	

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