

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U. S. Bureau of Mines, Rock Springs Site 4, Well No. PBC-16, 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		Spent shale	Gas + loss				Gal per ton	
Laramie	Their		Oil	Water					Oil	Water	
OSCR70-107	60 -61	48867	8.1	3.0	86.0	2.9	21.0	7.2	0.924	None	
	61 -62	48868	6.8	2.8	88.0	2.4	17.8	6.7	.925	None	
	62 -63	48869	8.8	2.8	86.2	2.2	22.7	6.7	.925	None	
	63 -64	48870	5.1	2.3	91.1	1.5	12.9	5.5	.937	None	
	64 -65	48871	5.1	2.6	91.4	.9	12.9	6.2	.941	None	
	65 -66	48872	7.4	2.6	87.9	2.1	19.2	6.2	.925	None	
	66 -67	48873	9.6	2.1	84.7	3.6	25.0	5.0	.923	None	
	67 -68	48874	8.2	2.4	87.3	2.1	20.9	5.8	.940	None	
	71.7-72.0	48875	6.7	2.3	89.5	1.5	17.0	5.5	.939	None	
	72 -73	48876	9.5	1.8	85.2	3.5	24.7	4.3	.921	None	
	73 -74	48877	11.4	1.5	84.6	2.5	29.8	3.6	.913	None	
	74 -75	48878	10.4	1.3	85.9	2.4	27.6	3.1	.901	None	
	75 -75.5	48879	12.2	.9	83.5	3.4	32.5	2.0	.903	None	
	76 -77	48880	11.0	1.4	85.4	2.2	29.2	3.4	.901	None	
	77 -78	48881	7.0	1.9	89.2	1.9	18.4	4.6	.914	None	
	78 -79	48882	9.7	2.5	85.5	2.3	25.7	6.0	.906	None	
	79 -80	48883	6.5	2.6	89.5	1.4	17.1	6.2	.911	None	
	80 -81	48884	5.3	1.1	91.7	1.9	13.8	2.6	.915	None	
	81 -82	48885	11.2	1.8	85.0	2.0	29.3	4.3	.915	None	
	82 -83	48886	10.3	2.6	85.4	1.7	27.1	6.2	.910	None	
	83 -84	48887	4.6	2.4	91.9	1.1	12.1	5.8	.909	None	
	84 -85	48888	6.0	1.3	90.8	1.9	15.5	3.1	.921	None	
	85 -85.5	48889	10.4	1.4	85.0	3.2	27.3	3.4	.908	None	

Core samples received February 19-21, 1970; Assays made on air-dried samples