

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U. S. Bureau of Mines, Rock Springs Site 4, Well No. PBC-17, 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							
OSCR70-108	60 -61	48841	7.4	2.5	88.1	2.0	19.0	6.0	0.930	None	
	61 -62	48842	7.8	2.2	87.7	2.3	20.0	5.3	.933	None	
	62 -63	48843	5.0	2.3	90.7	2.0	12.8	5.5	.941	None	
	63 -64	48844	5.1	2.8	90.9	1.2	12.9	6.7	.944	None	
	64 -65	48845	6.3	2.8	89.1	1.8	16.2	6.7	.933	None	
	65 -66	48846	9.4	2.2	86.1	2.3	24.4	5.3	.925	None	
	66 -67	48847	9.2	2.7	86.0	2.1	23.6	6.5	.931	None	
	67 -68	48848	8.1	1.9	87.0	3.0	20.6	4.6	.935	None	
	68 -69	48849	8.0	1.2	87.0	3.8	20.1	2.9	.954	None	
	69 -70	48850	6.4	3.0	89.0	1.6	16.2	7.2	.948	None	
	70 -71	48851	7.1	2.8	88.5	1.6	18.0	6.7	.938	None	
	71 -72	48852	11.6	1.5	82.1	4.8	30.0	3.6	.925	None	
	72 -73	48853	11.0	1.5	84.2	3.3	28.9	3.6	.914	None	
	73 -74	48854	10.2	1.2	85.9	2.7	26.9	2.9	.910	None	
	74 -75	48855	12.8	1.5	82.2	3.5	33.8	3.6	.908	None	
	75.5-76.0	48856	14.1	2.6	80.0	3.3	37.0	6.2	.912	None	
	76 -77	48857	10.5	1.9	84.4	3.2	27.4	4.6	.917	None	
	77 -78	48858	8.0	3.0	87.3	1.7	21.0	7.2	.907	None	
	78 -79	48859	7.4	2.4	87.9	2.3	19.3	5.8	.911	None	
	79 -80	48860	.7	1.7	96.7	.9	1.8a	4.1		None	
	80 -81	48861	7.7	1.9	88.2	2.2	19.9	4.6	.928	None	
	81 -82	48862	11.2	3.4	83.9	1.5	29.5	8.1	.909	None	
	82 -83	48863	7.6	2.5	88.2	1.7	20.1	6.0	.911	None	
	83 -84	48864	4.3	1.6	92.7	1.4	11.4	3.8	.913	None	
	84 -85	48865	8.7	1.4	87.3	2.6	22.8	3.4	.911	None	
	85 -86	48866	5.2	1.2	90.5	3.1	13.7	2.9	.909	None	

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

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