

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Rock Springs Site 4 Well PBC No. 7 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		
OSCR69-564	60	-61	46054	7.8	2.8	86.5	2.9	20.0	6.7	0.929	None	
	61	-62	46055	6.6	2.5	88.1	2.8	16.9	6.0	.934	None	
	62	-63	46056	5.0	2.6	90.3	2.1	12.6	6.2	.941	None	
	63	-64	46057	5.2	2.2	89.2	3.4	13.2	5.3	.944	None	
	64	-65	46058	9.8	2.2	84.4	3.6	25.5	5.3	.925	None	
	65	-66	46059	8.6	2.5	85.3	3.6	22.3	6.0	.928	None	
	66	-67	46060	9.6	2.3	83.5	4.6	24.9	5.5	.928	None	
	67	-68	46061	7.8	2.2	86.8	3.2	19.9	5.3	.941	None	
	68	-69	46062	7.4	2.0	87.7	2.9	18.5	4.8	.957	None	
	69	-70	46063	6.8	2.7	88.4	2.1	17.1	6.5	.951	None	
	70	-71	46064	10.1	2.4	82.5	5.0	26.0	5.8	.933	None	
	71	-72	46065	12.1	1.1	83.5	3.3	31.6	2.6	.918	None	
	72	-73	46066	11.1	1.2	85.4	2.3	29.2	2.9	.911	None	
	73	-74	46067	10.6	1.3	85.3	2.8	27.9	3.0	.912	None	
	74	-75	46068	12.2	1.8	82.9	3.1	32.0	4.3	.914	None	
	75	-76	46069	11.4	2.4	83.5	2.7	29.8	5.8	.916	None	
	76	-77	46070	8.2	2.6	87.0	2.2	21.5	6.2	.915	None	
	77	-78	46071	7.9	2.2	87.4	2.5	20.6	5.4	.916	None	
	78	-78.7	46072	6.0	2.2	89.4	2.4	15.5	5.3	.923	None	
	79.1-80		46073	7.5	2.3	88.0	2.2	19.4	5.6	.925	None	
	80	-81	46074	9.7	2.1	85.6	2.6	25.4	4.9	.919	None	
	81	-82	46075	9.4	2.3	84.4	3.9	24.5	5.6	.913	None	
	82	-83	46076	4.6	1.4	91.4	2.6	12.1	3.4	.923	None	
	83	-84	46077	7.0	1.3	89.9	1.8	18.3	3.1	.916	None	
	84	-85	46078	10.3	1.9	85.2	2.6	26.9	4.6	.916	None	
	85	-86	46079	7.1	3.0	88.1	1.8	18.5	7.3	.911	None	
	86	-87	46080	5.2	2.0	91.3	1.5	13.8	4.9	.900	None	
	87	-88	46081	2.7	1.7	94.4	1.2	7.3	4.1	.889	None	
	88	-89	46082	2.2	1.9	94.2	1.7	6.0	4.6	.891	None	
	89	-90	46083	2.1	1.1	94.9	1.9	5.6	2.6	.890	None	

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