

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U. S. Bureau of Mines, Rock Springs Site 4, Well No. PBC-18 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		
OSCR70-109	60 -61	48890	4.8	1.9	91.0	2.3	12.2	4.6	0.944	None	
	61 -62	48891	6.3	3.0	88.6	2.1	16.2	7.2	.930	None	
	62 -63	48892	9.8	2.3	85.0	2.9	25.5	5.5	.920	None	
	63 -64	48893	8.9	2.4	86.4	2.3	23.1	5.8	.926	None	
	64 -65	48894	9.4	2.5	85.2	2.9	24.2	6.0	.928	None	
	65 -66	48895	7.9	2.6	87.3	2.2	20.2	6.2	.940	None	
	66 -67	48896	3.5	2.4	92.8	1.3	8.9	5.8	.937	None	
	67 -68	48897	5.5	1.6	90.1	2.8	13.7	3.8	.952	None	
	68 -69	48898	7.2	3.0	87.8	2.0	18.6	7.2	.933	None	
	69.0-69.6	48899	12.5	2.5	82.0	3.0	32.7	6.0	.917	None	
	70 -71	48900	10.6	1.7	84.7	3.0	28.0	4.1	.912	None	
	71 -72	48901	12.1	1.2	83.2	3.5	31.9	2.9	.907	None	
	72 -73	48902	12.9	1.8	82.7	2.6	34.1	4.2	.907	None	
	73 -74	48903	10.6	1.7	85.7	2.0	27.9	4.1	.912	None	
	74.0-74.8	48904	6.3	1.9	90.3	1.5	16.5	4.6	.915	None	
	75.5-76.0	48905	9.1	1.8	87.0	2.1	24.1	4.4	.903	None	
	76.0-76.6	48906	7.3	2.2	88.9	1.6	19.5	5.4	.896	None	
	77.3-78.0	48907	4.4	2.1	92.3	1.2	11.6	5.0	.918	None	
	78 -79	48908	9.3	1.1	87.2	2.4	24.0	2.6	.925	None	
	79 -80	48909	10.4	3.0	84.0	2.6	27.5	7.2	.908	None	
	80.0-80.5	48910	8.3	2.3	87.4	2.0	21.7	5.5	.911	None	
	80.9-82.0	48911	4.5	2.4	92.0	1.1	11.9	5.8	.910	None	
	82 -83	48912	5.8	1.3	91.1	1.8	15.1	3.2	.914	None	
	83 -84	48913	10.8	1.3	85.2	2.7	28.4	3.1	.915	None	
	84 -85	48914	6.3	1.5	90.7	1.5	16.5	3.6	.912	None	
	85.0-85.5	48915	6.0	1.9	90.1	2.0	15.9	4.6	.902	None	

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