

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Rock Springs Site 4 Well PBC-10 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		Gas + loss	Gal per ton		Tendency to coke			
Laramie	Their		Oil	Water		Spent shale			Oil	Water	
OSGR69-566	60 -61	46128	4.6	2.5	90.2	2.7	11.6	6.0	0.942	None	
	61 -62	46129	4.1	2.8	91.8	1.3	10.3	6.7	.942	None	
	62 -63	46130	8.4	.9	86.5	4.2	21.6	2.0	.937	None	
	63 -64	46131	9.6	2.3	84.5	3.6	24.8	5.5	.928	None	
	64 -65	46132	8.2	2.4	85.8	3.6	21.1	5.8	.932	None	
	65 -66	46133	8.7	2.1	85.0	4.2	22.2	5.0	.936	None	
	66 -67	46134	8.2	2.3	87.6	1.9	20.9	5.5	.947	None	
	67 -68	46135	7.5	2.7	87.4	2.4	19.0	6.5	.948	None	
	68 -69	46136	5.7	1.6	89.0	3.7	14.4	3.8	.955	None	
	69 -70	46137	9.1	2.4	85.1	3.4	23.4	5.8	.929	None	
	70 -71	46138	12.9	1.9	81.4	3.8	33.8	4.6	.915	None	
	71 -72	46139	10.9	1.6	84.2	3.3	28.6	3.8	.911	None	
	72 -73	46140	10.5	1.3	84.3	3.9	27.5	3.1	.913	None	
	73 -74	46141	12.4	2.2	82.7	2.7	32.4	5.3	.912	None	
	74 -75	46142	8.6	2.2	86.8	2.4	22.4	5.3	.924	None	
	75 -76	46143	8.9	2.2	85.9	3.0	23.5	5.3	.912	None	
	76 -77	46144	5.9	2.0	89.4	2.7	15.5	4.8	.918	None	
	77 -78	46145	6.6	2.3	89.6	1.5	17.0	5.5	.925	None	
	78 -79	46146	9.9	1.7	85.4	3.0	25.7	4.1	.925	None	
	79 -80	46147	11.7	2.9	81.8	3.6	30.8	7.0	.909	None	
	80.2-81.0	46148	4.6	1.3	91.2	2.9	11.9	3.1	.923	None	
	81 -82	46149	5.7	1.3	91.3	1.7	14.9	3.1	.917	None	
	82 -83	46150	11.1	1.8	84.4	2.7	29.2	4.3	.913	None	
	83 -84	46151	7.7	2.2	87.7	2.4	20.0	5.3	.917	None	
	84 -85	46152	5.3	2.3	91.4	1.0	14.0	5.5	.899	None	
	85 -86	46153	3.0	1.5	94.2	1.3	7.9	3.6	.891	None	
	86 -87	46154	2.2	1.6	94.6	1.6	5.9	3.8	.890	None	
	87.0-87.5	46155	2.3	1.1	94.6	2.0	6.1	2.6	.894	None	

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