

## OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Rock Springs Site 7 Well No. 11 drilled in  
NW1/4SW1/4NE1/4 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 <sub>1</sub> /	Water	
OSCR69-524	69.1-70.1	45769	6.7	2.5	88.7	2.1	17.4	6.0	0.920	None	
	70.1-71.1	45770	8.2	2.6	85.7	3.5	21.3	6.2	.927	None	
	71.1-71.6	45771	7.0	3.0	86.8	3.2	18.1	7.2	.927	None	
	71.6-72.6	45772	7.7	2.6	86.0	3.7	19.8	6.2	.929	None	
	72.6-73.2	45773	8.3	2.4	84.0	5.3	21.4	5.8	.931	None	
	73.2-74.2	45774	5.7	2.3	89.0	3.0	14.5	5.5	.950	None	
	74.2-74.4	45775	4.6	2.2	89.6	3.6	11.6	5.4	.947	None	
	74.4-74.6	45776	2.4	3.2	89.7	4.7	6.3a	7.8		None	
	74.6-75.6	45777	10.8	2.1	83.1	4.0	28.1	5.0	.923	None	
	75.6-75.8	45778	10.3	2.8	83.1	3.8	26.8	6.7	.922	None	
	75.8-76.4	45779	8.3	2.6	85.1	4.0	21.5	6.2	.931	None	
	76.4-77.0	45780	11.5	2.8	80.5	5.2	29.9	6.7	.920	None	
	77.0-78.0	45781	7.9	2.3	87.1	2.7	20.3	5.5	.937	None	
	78.0-79.0	45782	7.8	2.0	87.4	2.8	19.9	4.8	.946	None	
	79.0-80.0	45783	6.9	2.2	88.4	2.5	17.5	5.3	.947	None	
	80.0-81.0	45784	7.0	2.2	88.7	2.1	17.7	5.3	.945	None	
	81.0-81.6	45785	8.1	2.6	86.1	3.2	20.8	6.2	.936	None	
	81.6-82.3	45786	10.5	2.2	83.6	3.7	27.2	5.3	.923	Slight	
	82.3-82.4	45787	5.6	3.0	89.3	2.1	14.5a	7.2		None	
	82.4-83.4	45788	11.9	1.5	82.6	4.0	31.1	3.6	.920	None	
	83.4-84.4	45789	11.1	1.6	85.1	2.2	29.1	3.8	.913	None	
	84.4-85.4	45790	10.9	1.7	85.0	2.4	28.5	4.1	.912	None	
	85.4-86.4	45791	10.0	2.3	82.0	5.7	26.4	5.5	.912	None	
	86.4-87.4	45792	11.8	2.0	83.4	2.8	31.0	4.8	.911	None	
	87.4-87.8	45793	11.9	2.1	83.2	2.8	31.3	5.0	.908	None	
	87.8-88.0	45794	8.6	3.4	82.4	5.6	22.7	8.1	.912	None	
	88.0-88.1	45795	4.8	2.3	90.2	2.7	12.7	5.6	.912	None	
	88.1-88.2	45796	6.4	2.1	88.8	2.7	16.9	5.1	.908	None	
	88.2-88.5	45797	8.4	2.4	87.0	2.2	22.4	5.8	.902	None	
	88.5-89.5	45798	10.1	2.4	83.7	3.8	26.5	5.8	.910	None	

See footnote at end of table.

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

## OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Rock Springs Site 7 Well No. 11 (con.)

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		
OSCR69-524	89.5-90.0	45799	7.2	2.9	87.7	2.2	18.8	7.0	0.915	None	
	90.0-90.6	45800	5.8	1.9	89.1	3.2	15.2	4.6	.922	None	

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

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

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