

## OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USBM Rock Springs Well No. 1-2 drilled in SE1/4SE1/4NW1/4  
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			Gal per ton					
		Oil	Water	Spent shale	Gas + loss	Oil <sup>1/</sup>	Water			
OSCR-RS-1-2		0.5	18.4	80.6	0.5	1.2a	44.1		None	
		7.2	2.9	88.0	1.9	19.0	7.0	0.908	None	
		5.0	3.0	89.1	2.9	13.3	7.2	.906	None	
		4.8	3.2	89.4	2.6	12.8	7.7	.906	None	
		7.1	3.4	86.9	2.6	18.5	8.1	.921	None	
		7.7	3.7	86.0	2.6	20.1	8.9	.923	None	
		6.8	3.8	86.8	2.6	17.6	9.0	.928	None	
		6.5	3.4	88.0	2.1	16.8	8.1	.927	None	
		8.0	3.1	86.2	2.7	20.5	7.5	.930	None	
		4.9	3.2	89.9	2.0	12.4	7.7	.942	None	
		3.5	5.1	90.2	1.2	9.0	12.3	.931	None	
		5.2	3.2	89.7	1.9	13.3	7.7	.940	None	
		3.1	4.2	90.1	2.6	7.9	10.1	.935	None	
		7.4	2.0	87.9	2.7	18.9	4.8	.935	None	
		9.8	2.1	85.5	2.6	25.4	5.2	.923	None	
		9.6	2.2	85.3	2.9	24.8	5.3	.923	None	
		7.4	1.7	88.1	2.8	19.2	4.1	.930	None	
		10.5	2.6	84.1	2.8	27.1	6.2	.925	None	
		7.8	2.6	87.9	1.7	19.9	6.2	.942	None	
		8.0	2.7	87.4	1.9	20.3	6.4	.945	None	
		6.3	2.8	89.4	1.5	15.8	6.7	.949	None	
		6.4	2.5	88.5	2.6	16.4	6.0	.940	None	
		10.9	2.5	83.2	3.4	28.2	6.1	.925	None	
		3.2	6.8	88.7	1.3	8.4a	16.3		None	
		13.8	1.6	80.6	4.0	35.9	3.8	.918	None	
		6.5	.9	90.3	2.3	17.0	2.0	.920	None	
		9.6	1.4	86.2	2.8	25.3	3.4	.910	None	
		10.8	1.2	84.9	3.1	28.3	2.9	.912	None	
		13.3	2.4	81.0	3.3	35.1	5.6	.911	None	
		5.0	.9	92.5	1.6	13.2	2.2	.917	None	

See footnotes at end of table.

Core samples received January 1966; assays made on as received basis

## OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USBM Rock Springs Well No. 1-2 (con.)

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					Oil <sup>1/</sup>	Water		
OSCR-RS-1-2	60.4-60.9	11064	10.9	2.9	83.3	2.9	28.7	7.0	0.913	None	
	60.9-61.8	11065	10.2	2.0	85.4	2.4	26.7	4.8	.918	None	
	61.8-62.2	11066	9.5	1.9	86.4	2.2	25.2	4.6	.902	None	
	62.2-62.4	11067	7.8	3.2	87.6	1.4	20.5	7.7	.912	None	
	62.4-62.8	11068	6.8	2.3	88.1	2.8	18.0	5.5	.909	None	
	62.8-63.5	11069	9.2	3.0	85.1	2.7	24.4	7.2	.907	None	
	63.5-64.3	11070	6.0	2.6	89.7	1.7	15.6	6.2	.916	None	
	64.3-64.5	11071	7.0	3.2	88.6	1.2	18.4	7.7	.915	None	
	64.5-65.4	11072	7.1	2.3	88.3	2.3	18.4	5.5	.924	None	
	65.4-66.6	11073	10.6	2.0	85.9	1.5	27.5	4.8	.922	None	
	66.6-67.0	11074	10.1	4.3	83.8	1.8	27.1	10.3	.894	None	
	67.0-67.4	11075	12.6	2.5	82.7	2.2	33.1	6.0	.909	None	
	67.4-68.4	11076	4.1	2.8	91.8	1.3	10.9	6.7	.907	None	
	68.4-68.7	11077	6.5	2.2	90.0	1.3	16.7	5.3	.930	None	
	68.7-69.1	11078	4.7	.7	93.3	1.3	12.3	1.7	.914	None	
	69.1-69.3	11079	6.8	1.2	90.6	1.4	17.5	2.9	.923	None	
	69.3-70.4	11080	11.0	2.0	84.1	2.9	28.8	4.8	.913	None	
	70.4-70.8	11081	11.3	2.3	83.7	2.7	29.5	5.5	.917	None	
	70.8-71.0	11082	10.1	1.6	86.1	2.2	26.4	3.8	.917	None	
	71.0-71.2	11083	3.1	2.0	93.9	1.0	8.1	4.8	.912	None	
	71.2-71.8	11084	6.5	2.6	89.1	1.8	17.1	6.2	.905	None	
	71.8-72.1	11085	1.9	3.2	94.0	.9	5.0a	7.7		None	
	72.1-72.4	11086	4.1	1.8	92.7	1.4	11.1	4.3	.893	None	
	72.4-72.5	11087	3.8	1.4	93.4	1.4	9.8a	3.4		None	
	72.5-73.5	11088	1.9	2.2	94.9	1.0	4.9a	5.3		None	
	73.5-74.5	11089	1.9	1.6	95.7	.8	4.8a	3.8		None	
	74.5-75.3	11090	1.9	1.8	95.3	1.0	4.9a	4.3		None	
	75.3-76.3	11091	1.4	2.3	95.2	1.1	3.6a	5.5		None	
	76.3-77.3	11092	1.2	2.2	95.9	.7	3.1a	5.3		None	
	77.3-77.8	11093	2.4	2.3	94.2	1.1	6.4	5.5	.910	None	

See footnotes at end of table.

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			Weight percent		Gal per ton			Tendency to coke			
Laramie	Their		Oil	Water	Spent shale	Gas + loss	Oil	Water			
OSCR-RS-1-2	77.8-78.1	11094	5.2	1.1	92.1	1.6	13.5	2.6	0.929	None	
	78.1-79.1	11095	7.5	1.1	89.1	2.3	19.3	2.8	.929	None	
	79.1-79.4	11096	5.3	1.6	91.5	1.6	13.9	3.8	.916	None	
	79.4-80.0	11097	4.4	1.7	91.8	2.1	11.7	4.1	.908	None	

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

Core samples received January 1966; assays made on as received basis