

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U. S. Geological Survey's core hole No. 7 in Naval Reserve No. 2, SW 1/4, Sec. 26,  
T. 13 S., R. 18 E., Carbon County, Utah

U-7 U-7

5.87

Sample number	Run	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		Percent of orig. shale			Ignition loss	Ash
		Oil	Water				Oil	Water					
Laramie	Their	No.	Oil	Water	shale	loss	Oil	Water					
SBR54-1656	450.3-453.2	33590	1.8 <sup>5.8</sup>	2.0	95.8	0.4	17.7 <sup>a</sup>	4.8			None		
SBR54-1657	453.2-456.4	33591	6.8 <sup>3.2</sup>	2.1	90.0	1.1	18.0	4.9	0.911		"		
SBR54-1658	457.3-464.2	33592	13.2 <sup>4.9</sup>	1.9	82.8	2.1	35.0 <sup>241.5</sup>	4.6	.905		"		
SBR54-1659	464.2-465.1	33593	3.9 <sup>4.9</sup>	1.8	93.6	.7	10.3 <sup>9.3</sup>	4.3	.911		"		
SBR54-1660	465.1-467.5	33594	9.4 <sup>2.4</sup>	2.2	87.2	1.2	24.7 <sup>54.3</sup>	5.3	.908		"		
SBR54-1661	467.5-468.7	33595	8.1 <sup>1.2</sup>	2.3	88.6	1.0	21.4 <sup>25.7</sup>	5.5	.905		"		
SBR54-1662	468.7-469.2	33596	1.2 <sup>5</sup>	2.2	96.2	.4	2.9 <sup>14.5</sup>	5.4			"		
SBR54-1663	470.0-471.3	33597	4.7 <sup>1.3</sup>	1.3	93.3	.7	12.5 <sup>16.2</sup>	3.1	.894		"		
SBR54-1664	471.3-472.4	33598	6.0 <sup>1.1</sup>	1.4	91.6	1.0	15.6 <sup>17.2</sup>	3.4	.921		"		
SBR54-1667	473.0-475.1	33601	3.2 <sup>2.1</sup>	1.2	94.8	.8	8.6	2.9	.886		"		
	475.1-476.4			1.3			6.4						

9 miss.  
386.1  
15.1  
= 25.5

a - Estimated

Core samples received July 29, 1954; assays made on air-dried samples.

Petroleum and Oil-Shale Experiment Station, Laramie, Wyoming, Illustration No. S.B.R.-1400P August 19, 1954

## OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U. S. Geological Survey's core hole No. 7 in Naval Reserve No. 2, NE 1/4, SE 1/4, Sec. 27,  
T. 13 S., R. 18 E., Uintah County, Utah

Sample number		Run No.	Yield of product						Specific gravity of oil at 60°/60°F.	Properties of spent shale			Remarks
			Weight percent		Spent Gas + shale loss		Gal. per ton Oil Water			Percent of orig. shale			
			Oil	Water						Ignition loss	Ash	Tendency to coke	
Laramie	Their		Oil	Water	shale	loss	Oil	Water					
SBR54-1656	450.3-453.2	33590	1.8	2.0	95.8	0.4	4.7a	4.8					None
SBR54-1657	453.2-456.4	33591	6.8	2.1	90.0	1.1	18.0	4.9	0.911				"
SBR54-1658	457.3-464.2	33592	13.2	1.9	82.8	2.1	35.0	4.6	.905				"
SBR54-1659	464.2-465.1	33593	3.9	1.8	93.6	.7	10.3	4.3	.911				"
SBR54-1660	465.1-467.5	33594	9.4	2.2	87.2	1.2	24.7	5.3	.908				"
SBR54-1661	467.5-468.7	33595	8.1	2.3	88.6	1.0	21.4	5.5	.905				"
SBR54-1662	468.7-469.2	33596	1.2	2.2	96.2	.4	2.9a	5.4					"
SBR54-1663	470.0-471.3	33597	4.7	1.3	93.3	.7	12.5	3.1	.894				"
SBR54-1664	471.3-472.4	33598	6.0	1.4	91.6	1.0	15.6	3.4	.921				"
SBR54-1667	473.0-475.1	33601	3.2	1.2	94.8	.8	8.6	2.9	.886				"
SBR55-1799	444.5-450.3	37184	.7	2.0	97.0	.3	1.7a	4.8					"
SBR55-1800	469.2-470.0	37185	1.2	.3	98.2	.3	3.0a	.6					"
SBR55-1801	475.1-476.4	37186	2.4	.5	96.5	.6	6.4	1.3	.897				"

a - Estimated

Core samples received July 29, 1954; assays made on air-dried samples.

1/ Samples received April 8, 1955

Petroleum and Oil-Shale Experiment Station, Laramie, Wyoming, Illustration No. S.B.R.-1400P August 19, 1954