

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U. S. Geological Survey's core hole No. 2 in Naval Reserve No. 2, SE 1/4, Sec. 24, T. 12 S.,
R. 19 E., Carbon County, Utah

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				
Laramie	Their		Oil	Water			Oil	Water		
SBR5L-1690	268.4-270.8	24 33624	6.7	0.8	90.8	1.7	17.7 ^{44.5}	2.0	0.904	none
SBR5L-1691	270.8-274.0	34 33625	11.7	.9	85.0	2.4	30.8 ^{98.6}	2.2	.911	none
SBR5L-1692	274.0-280.6	44 33626	16.4	1.0	79.3	3.3	43.4 ^{286.4}	2.4	.906	slight
SBR5L-1693	280.6-281.9	13 33627	6.1	.7	91.5	1.7	16.1 ^{21.9}	1.7	.914	none
SBR5L-1694	281.9-284.2	23 33628	8.6	.9	88.8	1.7	22.4 ^{51.5}	2.2	.919	none
SBR5L-1695	284.2-287.3	33 33629	6.0	.5	91.9	1.6	15.8 ^{44.0}	1.2	.913	none
SBR5L-1696	287.3-289.1	18 33630	14.7	1.3	81.7	2.3	39.2 ^{70.6}	3.0	.901	none
SBR5L-1697	289.1-291.7	28 33631	6.3	1.0	91.3	1.4	17.2 ^{44.7}	2.3	.880	none
SBR5L-1698	291.7-294.0	23 33632	7.7	1.3	89.6	1.4	20.5 ^{47.1}	3.1	.903	none
SBR5L-1699	294.0-296.6	24 33633	2.4	1.2	95.4	1.0	6.2 ^{14.1}	2.9	.909	none
SBR5L-1700	296.6-298.1	15 33634	5.1	1.7	91.7	1.5	13.4 ^{20.1}	4.1	.919	none
SBR5L-1701	298.1-299.1	10 33635	8.4	1.3	88.5	1.8	22.0 ^{22.0}	3.1	.921	none
SBR5L-1702	299.1-301.4	23 33638	2.5	1.3	95.6	.6	6.6 ^{15.2}	3.1	.915	none
SBR5L-1703	301.4-303.0	14 33639	2.1	.3	97.0	.6	5.6 ^{9.0}	.7	.900	none
SBR5L-1704	303.0-306.2	16 33640	10.0	2.0	86.4	1.6	26.4 ^{42.2}	4.8	.904	none
SBR5L-1705	307.8-308.7	17 33641	3.6	2.4	93.0	1.4	9.6 ^{8.6}	5.8	.905	none
SBR5L-1706	308.7-311.0	53 33642	8.0	1.1	89.2	1.7	21.4 ^{113.4}	2.6	.899	none
SBR5L-1707	311.0-316.2	22 33643	4.5	1.2	93.1	1.2	11.8 ^{24.0}	3.0	.909	none

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

Petroleum and Oil-Shale Experiment Station, Laramie, Wyoming, Illustration No. SBR-1403P August 30, 1954

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U. S. Geological Survey's core hole No. 2 in Naval Reserve No. 2, SE 1/4, NW 1/4, Sec. 24, T. 12 S.,
R. 19 E., Uintah County, Utah

Sample number		Run No.	Yield of product				Gal. per ton		Specific gravity of oil at 60°/60° F.	Properties of spent shale Tendency to coke	Remarks
			Weight percent		Spent shale	Gas + loss					
Laramie	Their		Oil	Water					Oil	Water	
SBR54-1690	268.4-270.8	33624	6.7	0.8	90.8	1.7	17.7	2.0	0.904	none	
SBR54-1691	270.8-274.0	33625	11.7	.9	85.0	2.4	30.8	2.2	.911	none	
SBR54-1692	274.0-280.6	33626	16.4	1.0	79.3	3.3	43.4	2.4	.906	slight	
SBR54-1693	280.6-281.9	33627	6.1	.7	91.5	1.7	16.1	1.7	.914	none	
SBR54-1694	281.9-284.2	33628	8.6	.9	88.8	1.7	22.4	2.2	.919	none	
SBR54-1695	284.2-287.3	33629	6.0	.5	91.9	1.6	15.8	1.2	.913	none	
SBR54-1696	287.3-289.1	33630	14.7	1.3	81.7	2.3	39.2	3.0	.901	none	
SBR54-1697	289.1-291.7	33631	6.3	1.0	91.3	1.4	17.2	2.3	.880	none	
SBR54-1698	291.7-294.0	33632	7.7	1.3	89.6	1.4	20.5	3.1	.903	none	
SBR54-1699	294.0-296.6	33633	2.4	1.2	95.4	1.0	6.2	2.9	.909	none	
SBR54-1700	296.6-298.1	33634	5.1	1.7	91.7	1.5	13.4	4.1	.919	none	
SBR54-1701	298.1-299.1	33635	8.4	1.3	88.5	1.8	22.0	3.1	.921	none	
SBR54-1702	298.1-301.4	33638	2.5	1.3	95.6	.6	6.6	3.1	.915	none	
SBR54-1703	301.4-303.0	33639	2.1	.3	97.0	.6	5.6	.7	.900	none	
SBR54-1704	306.2-307.8	33640	10.0	2.0	86.4	1.6	26.4	4.8	.904	none	
SBR54-1705	307.8-308.7	33641	3.6	2.4	93.0	1.4	9.6	5.8	.905	none	
SBR54-1706	308.7-314.0	33642	8.0	1.1	89.2	1.7	21.4	2.6	.899	none	
SBR54-1707	314.0-316.2	33643	4.5	1.2	93.1	1.2	11.8	3.0	.909	none	
SBR55-1787	303.0-306.2	37172	2.1	.8	96.6	.5	5.2a	1.9		none	1/

a - Estimated.

Core samples received July 29, 1954; assays made on air-dried samples
1/ Samples received April 8, 1955.

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