

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U. S. Geological Survey's No. 6 Core hole in Naval Reserve No. 2, NW 1/4, Sec. 17,
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		Remarks
		Weight percent		Gas + loss	Gal. per ton		Tendency to coke		
		Oil	Water						
Laramie	Their	Oil	Water	Spent shale		Oil	Water		
SBR54-1570	185.0-189.0 ^{4.0} 289.0-293.5 ^{4.5}	3.9	3.1	92.3	0.7	2.4 ^{9.6} 10.3 ^{24.5}	7.3	0.910	None
SBR54-1571	293.5-294.2 ⁷	13.1	2.9	81.4	2.6	34.4 ^{24.1}	7.0	.916	None
SBR54-1572	294.2-298.6 ^{4.4}	4.2	2.1	92.9	.8	10.9 ^{48.0}	5.2	.913	None
SBR54-1573	298.6-201.0 ^{2.4}	9.6	1.9	87.0	1.5	25.3 ^{40.7}	4.4	.911	None
SBR54-1574	201.0-203.3 ^{2.3}	11.5	1.7	85.1	1.7	30.7 ^{70.6}	4.1	.899	None
SBR54-1575	203.3-221.2 ^{17.9}	2.6	1.4	95.4	.6	6.8 ^{121.7}	3.4	.918	None
SBR54-1576	221.2-227.8 ^{6.6}	1.6	1.7	96.2	.5	4.0 ^{24.4}	4.1		None
SBR54-1577	227.8-229.0 ^{1.2}	13.0	2.0	83.0	2.0	33.9 ^{40.7}	4.8	.918	None
SBR54-1578	229.0-232.7 ^{3.7}	6.9	1.6	90.1	1.4	18.1 ^{47.0}	3.8	.908	None
SBR54-1579	232.7-235.0 ^{2.3}	6.0	1.9	91.0	1.1	15.7 ^{32.1}	4.7	.912	None
SBR54-1580	235.0-240.1 ^{5.1}	14.2	2.0	81.3	2.5	37.5 ^{41.2}	4.8	.908	None
SBR54-1581	240.5-241.5 ^{1.4}	6.7	2.0	90.0	1.3	17.3 ^{17.3}	4.8	.924	None
SBR54-1582	241.5-243.8 ^{2.3}	5.5	1.7	91.6	1.2	14.5 ^{33.3}	4.1	.919	None
SBR54-1583	243.8-244.5 ⁷	10.1	1.7	86.7	1.5	26.2 ^{18.3}	4.1	.919	None
SBR54-1584	244.5-248.0 ^{3.5}	5.4	.9	92.5	1.2	14.0 ^{49.0}	2.2	.923	None
SBR54-1585	248.0-249.4 ^{1.4}	13.0	1.6	83.0	2.4	34.2 ^{47.9}	3.8	.907	None
SBR54-1586	250.8-251.5 ⁷	3.6	1.2	94.1	1.1	9.8 ^{16.0}	2.9	.893	None
SBR54-1587	251.5-252.5 ^{1.0}	2.3	1.1	95.5	1.1	6.1 ^{4.1}	2.6	.892	None
SBR54-1588	252.5-254.8 ^{2.3}	6.1	1.6	90.8	1.5	16.1 ^{37.0}	3.8	.902	None
SBR54-1589	254.8-262.0 ^{7.2}	2.2	1.7	95.1	1.0	5.8 ^{4.4}	4.1	.910	None
SBR54-1590	262.0-263.0 ^{1.0}	1.4	.2	97.6	.8	3.6 ^{3.4}	.5		None

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. - 1395P

August 19, 1954

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U. S. Geological Survey's No. 6 Core hole in Naval Reserve No. 2, SW 1/4, SW 1/4, Sec. 8,
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	
SBR54-1570	289.0-293.5	33496	3.9	3.1	92.3	0.7	10.3	7.3	0.910	None	
SBR54-1571	293.5-294.2	33497	13.1	2.9	81.4	2.6	34.4	7.0	.916	None	
SBR54-1572	294.2-298.6	33498	4.2	2.1	92.9	.8	10.9	5.2	.913	None	
SBR54-1573	298.6-201.0	33499	9.6	1.9	87.0	1.5	25.3	4.4	.911	None	
SBR54-1574	2-1.0-203.3	33500	11.5	1.7	85.1	1.7	30.7	4.1	.899	None	
SBR54-1575	203.3-221.2	33501	2.6	1.4	95.4	.6	6.8	3.4	.918	None	
SBR54-1576	221.2-227.8	33502	1.6	1.7	96.2	.5	4.0a	4.1		None	
SBR54-1577	227.8-229.0	33503	13.0	2.0	83.0	2.0	33.9	4.8	.918	None	
SBR54-1578	229.0-232.7	33504	6.9	1.6	90.1	1.4	18.1	3.8	.908	None	
SBR54-1579	232.7-235.0	33505	6.0	1.9	91.0	1.1	15.7	4.7	.912	None	
SBR54-1580	235.0-240.1	33506	14.2	2.0	81.3	2.5	37.5	4.8	.908	None	
SBR54-1581	240.5-241.5	33507	6.7	2.0	90.0	1.3	17.3	4.8	.924	None	
SBR54-1582	241.5-243.8	33508	5.5	1.7	91.6	1.2	14.5	4.1	.919	None	
SBR54-1583	243.8-244.5	33509	10.1	1.7	86.7	1.5	26.2	4.1	.919	None	
SBR54-1584	244.5-248.0	33518	5.4	.9	92.5	1.2	14.0	2.2	.923	None	
SBR54-1585	248.0-249.4	33519	13.0	1.6	83.0	2.4	34.2	3.8	.907	None	
SBR54-1586	250.8-251.5	33520	3.6	1.2	94.1	1.1	9.6	2.9	.893	None	
SBR54-1587	251.5-252.5	33521	2.3	1.1	95.5	1.1	6.1	2.6	.892	None	
SBR54-1588	252.5-254.8	33522	6.1	1.6	90.8	1.5	16.1	3.8	.902	None	
SBR54-1589	254.8-262.0	33523	2.2	1.7	95.1	1.0	5.8	4.1	.910	None	
SBR54-1590	262.0-263.0	33524	1.4	.2	97.6	.8	3.6a	.5		None	
SBR55-1797	185.0-189.0	37182	.9	1.1	97.6	.4	2.4a	2.6		None	
SBR55-1798	249.4-250.8	7183	4.2	.6	94.3	.9	11.4	1.4	.879	None	

1/1/

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. - 1395P

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