

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U. S. Geological Survey's Core hole No. 5 in Naval Reserve No. 2, NW 1/4, Sec. 30
T. 12 S., R. 19 E., Carbon County, Utah

U-5

56)

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	Oil	Water			
Laramie	Their	Oil	Water							
SBR54-1615	105.0-117.0 ^{12.0} 116.8-118.1 ^{1.3}	33549	13.4	1.3	82.8	2.5	34.7 ^{13.2} 45.1	3.1	0.923	None
SBR54-1616	118.1-123.3 ^{5.2}	33550	6.0	1.3	92.1	.6	15.7 ^{81.6}	3.2	.912	None
SBR54-1617	123.3-130.4 ^{6.9}	33551	15.9	1.9	79.5	2.7	41.9 ^{289.1}	4.6	.910	None
SBR54-1618	130.4-131.0 ⁶	33552	17.5	2.0	77.8	2.7	46.0 ²⁷⁶	4.8	.913	None
SBR54-1619	131.0-132.7 ^{1.7}	33553	5.6	1.7	91.4	1.3	14.6 ^{24.8}	4.1	.927	None
SBR54-1620	132.7-134.2 ^{1.5}	33554	8.7	1.6	88.3	1.4	22.6 ^{33.9}	3.8	.924	None
SBR54-1621	134.2-135.9 ^{1.7}	33555	5.4	1.2	92.5	.9	14.2 ^{24.1}	2.8	.919	None
SBR54-1622	135.9-139.0 ^{3.1}	33556	12.8	2.1	83.1	2.0	33.9 ^{105.1}	5.0	.902	None
SBR54-1623	139.0-141.0 ^{2.0}	33557	5.7	1.3	92.1	.9	15.4 ^{30.8}	3.1	.881	None
SBR54-1624	141.0-142.9 ^{1.9}	33558	11.4	2.0	84.2	2.4	30.4 ^{57.8}	4.7	.898	None
SBR54-1625	142.9-143.9 ^{1.0}	33559	3.7	1.4	93.8	1.1	9.8 ^{7.8}	3.4	.908	None
SBR54-1626	143.9-145.8 ^{1.9}	33560	2.0	1.3	95.8	.9	5.4 ^{10.3}	3.0	.902	None
SBR54-1627	145.8-148.2 ^{2.4}	33561	9.5	2.0	86.7	1.8	24.9 ^{59.8}	4.8	.917	None
SBR54-1628	148.2-150.0 ^{1.8}	33562	5.1	1.2	92.2	1.5	13.4 ^{24.1}	2.9	.913	None

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

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U. S. Geological Survey's Core hole No. 5 in Naval Reserve No. 2, NE 1/4, NW 1/4, Sec. 30
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			
SBR54-1615	116.8-118.1	33549	13.4	1.3	82.8	2.5	34.7	3.1	0.923	None	
SBR54-1616	118.1-123.3	33550	6.0	1.3	92.1	.6	15.7	3.2	.912	None	
SBR54-1617	123.3-130.4	33551	15.9	1.9	79.5	2.7	41.9	4.6	.910	None	
SBR54-1618	130.4-131.0	33552	17.5	2.0	77.8	2.7	46.0	4.8	.913	None	
SBR54-1619	131.0-132.7	33553	5.6	1.7	91.4	1.3	14.6	4.1	.927	None	
SBR54-1620	132.7-134.2	33554	8.7	1.6	88.3	1.4	22.6	3.8	.924	None	
SBR54-1621	134.2-135.9	33555	5.4	1.2	92.5	.9	14.2	2.8	.919	None	
SBR54-1622	135.9-139.0	33556	12.8	2.1	83.1	2.0	33.9	5.0	.902	None	
SBR54-1623	139.0-141.0	33557	5.7	1.3	92.1	.9	15.4	3.1	.881	None	
SBR54-1624	141.0-142.9	33558	11.4	2.0	84.2	2.4	30.4	4.7	.898	None	
SBR54-1625	142.9-143.9	33559	3.7	1.4	93.8	1.1	9.8	3.4	.908	None	
SBR54-1626	143.9-145.8	33560	2.0	1.3	95.8	.9	5.4	3.0	.902	None	
SBR54-1627	145.8-148.2	33561	9.5	2.0	86.7	1.8	24.9	4.8	.917	None	
SBR54-1628	148.2-150.0	33562	5.1	1.2	92.2	1.5	13.4	2.9	.913	None	
SBR55-1796	105.0-117.0	37181	.4	1.6	97.5	.5	1.1a	3.6		None	1/

a - Estimated

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

1/ Samples received April 8, 1955.