

## OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U. S. Geological Survey's Core hole No. 8 in Naval Reserve No. 2, SW 1/4, NW 1/4, Sec. 11,  
T. 13 S., R. 19 E., Uintah County, Utah

USBM 0054

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	
SBR54-1629	156.0-158.0	33563	11.5	1.2	85.0	2.3	29.9	3.0	0.919	None	
SBR54-1630	158.0-160.6	33564	5.7	1.1	91.9	1.3	14.9	2.6	.908	None	
SBR54-1631	160.6-161.8	33565	12.2	1.3	84.1	2.4	32.1	3.0	.912	None	
SBR54-1632	161.8-162.8	33566	10.6	.8	87.0	1.6	27.9	1.9	.907	None	
SBR54-1633	162.8-167.8	33567	19.8	1.5	75.5	3.2	52.3	3.6	.905	Slight	
SBR54-1634	167.8-172.0	33568	5.8	.9	92.1	1.2	15.2	2.0	.920	None	
SBR54-1635	172.0-173.1	33569	13.2	1.9	83.2	1.7	35.2	4.4	.900	None	
SBR54-1636	173.1-175.7	33570	5.8	1.2	92.2	.8	15.6	2.9	.888	None	
SBR54-1637	176.7-178.2	33571	7.7	1.6	89.5	1.2	20.0	3.7	.920	None	
SBR54-1638	178.2-180.3	33572	2.1	1.7	95.8	.4	5.6	4.1	.914	None	
SBR54-1639	180.9-182.7	33573	6.7	1.5	90.8	1.0	17.9	3.5	.905	None	
SBR54-1640	182.7-189.4	33574	5.8	.4	92.8	1.0	15.3	1.1	.902	None	
SBR54-1641	189.4-191.6	33575	2.1	.6	96.6	.7	5.4	1.4	.917	None	
SBR55-1802	139.3-149.1	37187	.3	1.6	97.8	.3	.6a	3.8		None	1/
SBR55-1803	149.1-154.0	37188	.7	1.2	97.6	.5	1.9a	2.9		None	1/
SBR55-1804	154.0-156.0	37189	2.6	1.5	94.9	1.0	7.0	3.6	.903	None	1/
SBR55-1805	175.7-176.7	37190	4.0	.3	95.2	.5	10.4	.8	.909	None	1/

a - Estimated.

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

1/ Samples received April 8, 1955.

## OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U. S. Geological Survey's Core hole No. 8 in Naval Reserve No. 2, ~~NW 1/4~~, ~~Sec. 13~~, 59.)  
~~T. 13 S., R. 19 E.~~, Carbon County, Utah

139.3-149.1 149.1-154.0			Yield of product					Specific gravity of oil at 60°/60° F.		Properties of spent shale Tendency to coke		Remarks	
Sample number	Run No.	Their	Weight percent		Spent shale	Gas + loss	Gal. per ton						
			Oil	Water			Oil	Water					
Laramie													
SBR54-1629	154.0-158.0	2.0	33563	11.5	1.2	85.0	2.3	29.9	54.8	3.0	0.919	None	
SBR54-1630	158.0-160.6	2.4	33564	5.7	1.1	91.9	1.3	14.9	38.7	2.6	.908	None	
SBR54-1631	160.6-161.8	1.2	33565	12.2	1.3	84.1	2.4	32.1	38.5	3.0	.912	None	
SBR54-1632	161.8-162.8	1.0	33566	10.6	.8	87.0	1.6	27.9	27.9	1.9	.907	None	
SBR54-1633	162.8-167.8	5.0	33567	19.8	1.5	75.5	3.2	52.3	24.1	3.6	.905	Slight	
SBR54-1634	167.8-172.0	4.2	33568	5.8	.9	92.1	1.2	15.2	13.8	2.0	.920	None	
SBR54-1635	172.0-173.1	1.1	33569	13.2	1.9	83.2	1.7	35.2	38.7	4.4	.900	None	
SBR54-1636	173.1-175.7	2.6	33570	5.8	1.2	92.2	.8	15.6	40.6	2.9	.888	None	
SBR54-1637	176.7-178.2	1.5	33571	7.7	1.6	89.5	1.2	20.0	30.0	3.7	.920	None	
SBR54-1638	178.2-180.3	2.1	33572	2.1	1.7	95.8	.4	5.6	11.8	4.1	.914	None	
SBR54-1639	180.9-182.7	1.8	33573	6.7	1.5	90.8	1.0	17.9	32.2	3.5	.905	None	
SBR54-1640	182.7-189.4	6.7	33574	5.8	.4	92.8	1.0	15.3	102.5	1.1	.902	None	
SBR54-1641	189.4-191.6	2.2	33575	2.1	.6	96.6	.7	5.4	11.9	1.4	.917	None	

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