

24-11

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U. S. Geological Survey's core hole No. 11 in Naval Reserve No. 2, NW 1/4, SW 1/4, Sec. 31, T. 12 S.,  
R. 19 E., Uintah County, Utah

Sample number	Run No.	Yield of product					Cal. 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			
SBR54-1708	97.4-98.6	33644	3.0	2.1	94.1	0.8	7.8	5.0	0.906	none	
SBR54-1709	101.6-104.7	33645	3.5	2.5	93.1	.9	9.1	6.1	.908	none	
SBR54-1710	104.7-109.0	33646	2.5	1.2	95.7	.6	6.6	2.9	.910	none	
SBR54-1711	109.0-111.0	33647	1.9	2.5	94.9	.7	4.9a	6.0		none	
SBR54-1712	111.2-113.4	33648	4.4	2.1	92.6	.9	11.5	5.2	.914	none	
SBR54-1713	113.8-118.7	33649	7.9	1.6	89.0	1.5	20.8	3.8	.905	none	
SBR54-1714	118.7-126.0	33650	1.8	1.5	95.9	.8	4.5a	3.6		none	
SBR54-1715	126.8-129.9	33651	18.3	1.7	77.0	3.0	48.7	4.1	.903	slight	
SBR54-1716	129.9-132.0	33652	10.1	1.2	87.0	1.7	26.4	2.9	.912	none	
SBR54-1717	133.2-133.9	33653	6.1	1.3	91.3	1.3	16.0	3.1	.917	none	
SBR54-1718	135.7-141.0	33654	7.8	1.2	89.6	1.4	20.4	2.8	.918	none	
SBR54-1719	144.9-145.9	33655	2.5	1.8	95.1	.6	6.5	4.3	.913	none	
SBR54-1720	146.4-148.1	33656	1.7	1.9	95.8	.6	4.3a	4.4		none	
SBR55-1808	98.6-101.6	37193	.8	1.0	98.0	.2	2.0a	2.4		none	1/
SBR55-1809	132.0-133.2	37194	1.4	1.2	97.3	.1	3.4a	2.9		none	1/
SBR55-1810	133.9-135.7	37195	2.8	.6	94.2	2.4	7.4	1.4	.905	none	1/
SBR55-1811	141.0-144.9	37196	1.4	.5	97.8	.3	3.6a	1.2		none	1/
SBR55-1812	145.9-146.4	37197	.5	.5	98.8	.2	1.2a	1.2		none	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. SBR-1404P August 30, 1954