

U-4

## OIL-SHALE ASSAYS BY MODIFIED FILLER RETORT METHOD

Samples from U. S. Geological Survey's core hole No. 4 in Naval Reserve No. 2, SW 1/4, Sec. 1,  
T. 12 S., R. 18 E., Carbon County, Utah

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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		Gal. per ton			Percent of orig. shale				
Laramie	Their		Oil	Water	Spent shale	Gas + loss	Oil	Water	Ignition loss	Ash		
SBR54-1665	90.8-103.0	33599	1.6	1.1	96.8	0.5 <sup>42</sup>	4.1 <sup>49.4</sup>	2.9				None
SBR54-1666	103.0-108.5	33600	12.2	1.1	84.4	2.3 <sup>55</sup>	31.9 <sup>175.4</sup>	2.8	0.912			"
SBR54-1668	108.5-110.9	33602	7.7	1.4	89.2	1.7 <sup>44</sup>	20.6 <sup>44.1</sup>	3.2	.901			"
SBR54-1669	110.9-112.8	33603	5.1	1.4	92.0	1.5 <sup>44</sup>	13.4 <sup>25.7</sup>	3.4	.907			"
SBR54-1670	112.8-118.5	33604	14.4	1.4	81.5	2.7 <sup>57</sup>	38.2 <sup>217.7</sup>	3.4	.905			"
SBR54-1671	118.5-119.7	33605	13.4	1.3	82.6	2.7 <sup>44</sup>	35.1 <sup>42.1</sup>	3.2	.913			"
SBR54-1672	119.9-121.1	33606	6.6	.8	91.0	1.6 <sup>44</sup>	17.4 <sup>34.4</sup>	1.8	.915			"
SBR54-1673	121.1-122.8	33607	10.0	.7	87.5	1.8 <sup>47</sup>	26.2 <sup>44.5</sup>	1.7	.918			"
SBR54-1674	122.8-125.7	33608	6.2	.4	92.1	1.3 <sup>24</sup>	16.3 <sup>47.3</sup>	1.0	.909			"
SBR54-1675	125.7-127.0	33609	14.8	1.4	81.6	2.2 <sup>43</sup>	39.6 <sup>51.5</sup>	3.4	.897			"
SBR54-1676	127.0-129.1	33610	6.1	.9	91.8	1.2 <sup>21</sup>	16.6 <sup>34.9</sup>	2.3	.875			"
SBR54-1677	129.1-130.4	33611	11.5	1.6	85.2	1.7 <sup>43</sup>	30.8 <sup>40.0</sup>	3.8	.892			"
SBR54-1678	130.4-131.0	33612	4.5	1.4	92.8	1.3 <sup>46</sup>	12.0 <sup>7.2</sup>	3.4	.903			"

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.-1401P August 19, 1954