

U-14 OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Geological Survey's core hole No. 14, located in SW 1/4 of Sec. 13, T. 12 S., R. 18 E.,
U. S. Naval Oil-Shale Reserve No. 2 Uintah County, Utah

Starting elevation (approximate) 5,440 feet.

STARTING ELEVATION (APPROXIMATE) 2,400 FEET.			Yield of product				Specific gravity		Properties of	
Sample number		Run	Weight percent		Spent	Gas +	Gal. per ton		of oil at	spent shale
Laramie	Thier	No.	Oil	Water	shale	loss	Oil	Water	60°/60° F.	Tendency to coke
										Remarks
SBR55-543	51.7- 57.6	36165	0.6	1.2	98.1	0.1	1.4	2.9		None
SBR55-544	57.6- 63.5	36166	2.8	1.8	95.0	.4	7.3	4.3	0.902	None
SBR55-545	63.5- 64.3	36167	13.3	2.1	81.9	2.7	35.3	5.0	.905	None
SBR55-546	64.3- 66.8	36168	4.2	1.4	93.1	1.3	11.1	3.4	.911	None
SBR55-547	66.8- 68.9	36169	2.9	1.9	94.1	1.1	7.6	4.6	.912	None
SBR55-548	68.9- 71.3	36170	7.7	1.3	89.5	1.5	20.1	3.1	.912	None
SBR55-549	71.5- 72.4	36171	12.7	1.0	84.3	2.0	33.6	2.5	.902	None
SBR55-550	72.4- 73.5	36172	6.5	.8	91.2	1.5	17.3	2.0	.900	None
SBR55-551	73.5- 80.4	36173	2.3	.9	96.0	.8	6.0	2.3	.920	None
SBR55-552	80.4- 82.9	36174	3.7	.6	95.4	.3	9.7	1.4	.922	None
SBR55-553	82.9- 89.1	36175	.9	.4	98.7	.0	2.2	1.0		None
SBR55-554	89.1-104.6	36176	.8	1.1	97.5	.6	2.0	2.6		None
SBR55-555	104.6-106.3	36177	3.2	1.0	95.0	.8	8.5	2.4	.907	None
SBR55-556	106.3-107.5	36178	12.9	1.3	84.0	1.8	33.7	3.1	.919	None
SBR55-557	107.5-110.3	36179	6.9	1.1	90.5	1.5	18.3	2.6	.908	None
SBR55-558	110.3-114.0	36180	4.8	1.3	92.8	1.1	12.7	3.1	.914	None
SBR55-559	114.0-116.9	36181	11.0	1.5	85.7	1.8	28.9	3.6	.915	None
SBR55-560	116.9-119.2	36182	14.9	1.1	81.1	2.9	39.1	2.8	.912	None
SBR55-561	119.2-122.2	36183	5.6	1.0	91.9	1.5	14.7	2.4	.920	None
SBR55-562	122.2-123.6	36184	8.2	1.1	88.9	1.8	21.4	2.6	.922	None
SBR55-563	123.6-125.5	36185	4.9	.8	93.1	1.2	12.7	1.9	.921	None
SBR55-564	125.5-126.3	36186	6.5	.5	91.6	1.4	17.0	1.2	.913	None
SBR55-565	126.3-128.1	36187	12.9	1.1	83.2	2.8	34.1	2.8	.906	None
SBR55-566	128.1-130.8	36188	5.6	.9	92.0	1.5	15.2	2.2	.887	None
SBR55-567	130.8-131.5	36189	11.4	1.6	84.6	2.4	30.3	3.7	.903	None
SBR55-568	131.5-132.5	36190	4.3	1.0	93.8	.9	11.3	2.4	.915	None
SBR55-569	132.5-134.5	36191	1.7	.8	96.6	.9	4.3	1.9		None
SBR55-570	134.5-136.4	36192	7.6	1.0	89.6	1.8	19.9	2.4	.922	None
SBR55-571	136.4-138.5	36193	2.2	1.2	95.7	.9	5.7	2.9	.913	None
SBR55-572	138.5-142.0	36194	1.2	.6	97.3	.9	3.0	1.4		None

a-Estimated

Core samples received January 13, 1955; assays made on air-dried samples.

Petroleum and Oil-Shale Experiment Station, Laramie, Wyoming, Illustration No. S.B.R.-1493P February 14, 1955

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Starting elevation (approximate) 5,440 feet.

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	Oil	Water			
Laramie	Their		Oil	Water							
SER55-573	142.0-144.4	36195 ^{2.4}	2.7	1.8	94.4	1.1	7.1 ^{17.0}	4.3	0.910	None	
SER55-574	144.4-147.4	36196 ^{3.0}	8.5	1.2	88.4	1.9	22.7 ^{68.1}	2.9	.900	None	
SER55-575	147.4-150.2	36197 ^{1.1}	8.0	1.1	88.9	2.0	21.1 ^{59.1}	2.6	.903	None	
SER55-576	150.2-155.2	36198 ^{5.0}	3.3	1.0	94.6	1.1	8.8 ^{44.0}	2.4	.912	None	
SER55-577	155.2-157.0	36199 ^{1.5}	4.5	1.1	93.4	1.0	11.8 ^{21.2}	2.5	.924	None	
SER55-578	157.0-158.1	36200 ^{1.3}	1.7	.4	97.5	.4	4.3 ^{4.7}	.8	.915 - 1.7	None	2.6.3
SER55-579	159.8-161.5	36201 ^{1.7}	3.9	.7	94.7	.7	10.4 ^{17.7}	1.6	.904	None	
SER55-580	161.5-164.9	36202 ^{3.4}	1.0	1.2	97.3	.5	2.6 ^{8.8}	2.9		None	
SER55-581	164.9-165.8	36203 ^{.9}	8.9	.8	88.7	1.6	23.0 ^{20.7}	2.0	.921	None	
SER55-582	165.8-169.6	36204 ^{3.8}	2.6	.8	95.9	.7	6.8 ^{35.6}	2.0	.914	None	
SER55-583	169.6-171.0	36206 ^{1.4}	7.9	.8	88.3	3.0	20.4 ^{28.6}	2.0	0.9 missing .922	None	
SER55-584	171.9-173.2	36207	2.6	.7	96.1	.6	6.7	1.8	.923	None	

a - Estimated

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