

OIL-SHALE ASSAYS BY MODIFIED FISCHER REPORT METHOD

Samples from Federal Geological Survey's core hole No. 17, located in the SE 1/4 NE 1/4 of Sec. 4, T. 13 S., R. 12 E.,
U. S. Naval Oil-Shale Reserve No. 2 Uintah County, Utah

Starting elevation (approximate) 6,100 feet

Mahogany marker		5972.5'		Yield of product				Gal. per ton		Specific gravity of oil at 60°/60° F.	Properties of spent shale		Remarks
Sample number	Thick	Run No.	Oil	Water	Spent shale	Gas + loss	Oil	Water	Tendency to coke				
Laramie	Thick	No.	Oil	Water	Spent shale	Gas + loss	Oil	Water					
SBR55-671	30.0- 31.1	36294	2.6	2.3	94.3	0.8	6.8	5.5	0.914		None		
SBR55-672	31.1- 31.9	36295	5.7	1.0	92.4	.9	14.8	2.5	.920		None		
SBR55-673	31.9- 33.3	36296	6.5	1.2	91.0	1.3	16.9	3.0	.918		None		
SBR55-674	33.3- 35.3	36297	6.8	1.4	90.5	1.3	18.0	3.4	.907		None		
SBR55-675	35.3- 36.0	36298	11.3	1.4	85.3	2.0	29.9	3.4	.905		None		
SBR55-676	36.0- 37.5	36299	4.1	.8	94.2	.9	11.0	1.9	.901		None		
SBR55-677	37.5- 42.0	36300	1.0	1.1	97.4	.5	2.5a	2.6			None		
SBR55-678	42.0- 45.2	36301	1.2	.7	97.7	.4	2.9a	1.8			None		
SBR55-679	45.2- 49.4	36302	.3	1.0	98.6	.1	.9a	2.4			None		
SBR55-680	49.4- 50.9	36303	2.9	.7	95.7	.7	7.4	1.7	.927		None		
SBR55-681	50.9- 51.9	36304	.8	.1	98.6	.5	2.0a	.1			None		
SBR55-682	72.2- 74.0	36305	.0	1.0	98.6	.4	None	2.4			None		
SBR55-683	78.7- 81.1	36306	.0	.8	99.2	.0	None	1.8			None		
SBR55-684	85.1- 97.7	36307	.0	2.0	97.8	.2	None	4.7			None		
SBR55-685	103.7-114.0	36308	.5	2.1	97.2	.2	1.2a	5.0			None		
SBR55-686	114.0-116.4	36309	1.0	2.0	95.7	1.3	2.5a	4.8			None		
SBR55-687	116.4-117.3	36310	3.3	.6	94.9	1.2	8.6	1.4	.916		None		
SBR55-688	117.3-118.2	36311	6.4	.9	91.1	1.6	16.7	2.0	.921		None		
SBR55-689	118.2-119.7	36312	9.8	1.4	86.8	2.0	25.6	3.4	.919		None		
SBR55-690	119.7-121.4	36313	5.6	1.3	91.9	1.2	14.7	3.1	.908		None		
SBR55-691	121.4-123.8	36314	3.3	.8	94.8	1.1	8.7	1.9	.905		None		
SBR55-692	123.8-125.5	36315	12.2	1.2	84.3	2.3	31.9	2.9	.915		None		
SBR55-693	125.5-127.5	36316	14.9	1.0	80.8	3.3	39.2	2.4	.910		None		
SBR55-694	127.5-129.5	36317	21.9	1.4	72.1	4.6	57.8	3.4	.909		Slight		
SBR55-695	129.5-131.1	36318	16.8	1.0	79.7	2.5	44.2	2.4	.909		None		
SBR55-696	131.1-132.5	36319	6.4	.7	91.6	1.3	16.5	1.8	.920		None		
SBR55-697	132.5-134.1	36320	4.7	.5	93.7	1.1	12.2	1.3	.916		None		
SBR55-698	134.1-135.0	36321	13.4	1.1	83.4	2.1	34.9	2.6	.919		None		
SBR55-699	135.0-137.5	36322	4.9	.3	93.9	.9	12.7	.7	.919		None		
SBR55-700	137.5-139.4	36323	13.0	1.2	84.0	1.8	34.4	2.9	.906		None		

a-Estimated

Core samples received January 25, 1955; assays made on air-dried samples.

Petroleum and Oil-Shale Experiment Station, Laramie, Wyoming, Illustration No. S.B.R.-1499F February 24, 1955

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Federal Geological Survey's core hole No. 17, located in the SE 1/4 NE 1/4 of Sec. 4, T. 13 S., R. 18 E.,
U. S. Naval Oil-Shale Reserve No. 2 Uintah County, Utah

Starting elevation (approximate) 6,100 feet

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		
SBR55-701	139.4-140.0	36324	4.9	0.8	93.5	0.8	13.2	1.9	0.887		None	
SBR55-702	140.0-141.8	36325	4.4	.6	94.3	.7	11.8	1.6	.883		None	
SBR55-703	141.8-142.7	36326	10.2	1.3	86.8	1.7	27.0	3.1	.905		None	
SBR55-704	142.7-145.0	36327	2.5	.6	96.4	.5	6.5	1.4	.915		None	
SBR55-705	145.0-146.1	36328	7.8	1.3	89.4	1.5	20.1	3.1	.923		None	
SBR55-706	146.1-146.6	36329	3.9	1.0	94.2	.9	10.1	2.3	.921		None	
SBR55-707	146.6-149.1	36330	1.5	1.2	96.8	.5	3.7a	2.9			None	
SBR55-708	149.1-150.2	36331	2.7	.6	96.0	.7	7.1	1.6	.903		None	

a-Estimated

Core samples received January 25, 1955; assays made on air-dried samples.

Petroleum and Oil-Shale Experiment Station, Laramie, Wyoming, Illustration No. S.P.R.-1500P, February 24, 1955

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Federal Geological Survey's core hole No. 17, located in the ~~SW 1/4~~ of Sec. ~~13~~, T. 13 S., R. 18 E.,
U. S. Naval Oil-Shale Reserve No. 2 Uintah County, Utah

Starting elevation (approximate) 6,100 feet

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	Ther		Oil	Water							
SBR55-671	30.0- 31.1 ^{1.1}	36294	2.6	2.3	94.3	0.8	6.8 ⁷⁵	5.5	0.914	None	
SBR55-672	31.1- 31.9 ^{.8}	36295	5.7	1.0	92.4	.9	14.8 ^{11.6}	2.5	.920	None	
SBR55-673	31.9- 33.3 ^{1.3}	36296	6.5	1.2	91.0	1.3	16.9 ^{22.0}	3.0	.918	None	
SBR55-674	33.3- 35.3 ^{2.0}	36297	6.8	1.4	90.5	1.3	18.0 ^{36.0}	3.4	.907	None	
SBR55-675	35.3- 36.0 ^{.7}	36298	11.3	1.4	85.3	2.0	29.9 ^{20.4}	3.4	.905	None	
SBR55-676	36.0- 37.5 ^{1.5}	36299	4.1	.8	94.2	.9	11.0 ^{16.5}	1.9	.901	None	
SBR55-677	37.5- 42.0 ^{4.5}	36300	1.0	1.1	97.4	.5	2.5 ^{11.2}	2.6		None	
SBR55-678	42.0- 45.2 ^{3.2}	36301	1.2	.7	97.7	.4	2.9 ^{9.3}	1.8		None	
SBR55-679	45.2- 49.4	36302	.3	1.0	98.6	.1	.9 ^a	2.4		None	
SBR55-680	49.4- 50.9	36303	2.9	.7	95.7	.7	7.4	1.7	.927	None	
SBR55-681	50.9- 51.9	36304	.8	.1	98.6	.5	2.0 ^a	.1		None	
SBR55-682	72.2- 74.0	36305	.0	1.0	98.6	.4	None	2.4		None	
SBR55-683	78.7- 81.1	36306	.0	.8	99.2	.0	None	1.8		None	
SBR55-684	85.1- 97.7	36307	.0	2.0	97.8	.2	None	4.7		None	
SBR55-685	103.7-114.0 ^{10.3}	36308	.5	2.1	97.2	.2	1.2 ^a	5.0 ^{12.4}		None	
SBR55-686	114.0-116.4 ^{2.4}	36309	1.0	2.0	95.7	1.3	2.5 ^a	4.8 ^{6.0}		None	
SBR55-687	116.4-117.3 ^{.7}	36310	3.3	.6	94.9	1.2	8.6	1.4 ^{7.7}	.916	None	
SBR55-688	117.3-118.2 ^{.9}	36311	6.4	.9	91.1	1.6	16.7 ¹	2.0 ^{15.0}	.921	None	
SBR55-689	118.2-119.7 ^{1.5}	36312	9.8	1.4	86.8	2.0	25.6 ¹	3.4 ^{38.4}	.919	None	
SBR55-690	119.7-121.4 ^{1.7}	36313	5.6	1.3	91.9	1.2	14.7 ¹	3.1 ^{25.0}	.908	None	
SBR55-691	121.4-123.8 ^{2.4}	36314	3.3	.8	94.8	1.1	8.7 ¹	1.9 ^{26.9}	.905	None	
SBR55-692	123.8-125.5 ^{1.7}	36315	12.2	1.2	84.3	2.3	31.9 ¹	2.9 ^{54.2}	.915	None	
SBR55-693	125.5-127.5 ^{2.0}	36316	14.9	1.0	80.8	3.3	39.2 ¹	7.4 ^{76.4}	.910	None	
SBR55-694	127.5-129.5 ^{2.0}	36317	21.9	1.4	72.1	4.6	57.8 ¹	3.4 ^{115.4}	.909	Slight	
SBR55-695	129.5-131.1 ^{1.6}	36318	16.8	1.0	79.7	2.5	44.2 ¹	2.4 ^{76.7}	.909	None	
SBR55-696	131.1-132.5 ^{1.4}	36319	6.4	.7	91.6	1.3	16.5	1.8 ^{23.1}	.920	None	
SBR55-697	132.5-134.1 ^{1.6}	36320	4.7	.5	93.7	1.1	12.2	1.3 ^{14.5}	.916	None	
SBR55-698	134.1-135.0 ^{.9}	36321	13.4	1.1	83.4	2.1	34.9	2.6 ^{31.4}	.919	None	
SBR55-699	135.0-137.5 ^{2.5}	36322	4.9	.3	93.9	.9	12.7	.7 ^{31.7}	.919	None	
SBR55-700	137.5-139.4 ^{1.9}	36323	13.0	1.2	84.0	1.8	34.4	2.9 ^{82.6}	.906	None	

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SBR55-703	141.8-142.7	36326	10.2	1.3	86.8	1.7	27.0	3.1	.905	None		
SBR55-704	142.7-145.0	36327	2.5	.6	96.4	.5	6.5	1.4	.915	None		
SBR55-705	145.0-146.1	36328	7.8	1.3	89.4	1.5	20.1	3.1	.923	None		
SBR55-706	146.1-146.6	36329	3.9	1.0	94.2	.9	10.1	2.3	.921	None		
SBR55-707	146.6-149.1	36330	1.5	1.2	96.8	.5	3.7	2.9		None		
SBR55-708	149.1-150.2	36331	2.7	.6	96.0	.7	7.1	1.6	.903	None		

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