

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USBM Rock Springs Site No. 6, Well PBC-408 drilled in SW1/4NW1/4NE1/4,
sec 15, T 18 N, R 106 W, Sweetwater County, Wyoming

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks
			Weight percent		Gal per ton			Tendency to		
Laramie	Their		Oil	Water	Spent shale	Gas + loss	Oil	Water	coke	
SBR71-8855	116.5-117.0	62249	6.4	1.7	87.7	4.2	16.6	4.1	0.925	None
SBR71-8856	117.0-118.0	62250	7.3	1.9	88.2	2.6	18.7	4.6	.937	None
SBR71-8857	118.0-119.0	62251	7.3	2.2	87.7	2.8	18.6	5.3	.933	None
SBR71-8858	119.0-120.0	62252	5.7	2.1	90.0	2.2	14.7	5.0	.937	None
SBR71-8859	120.0-121.0	62253	8.0	2.1	87.0	2.9	20.7	5.0	.928	None
SBR71-8860	121.0-122.0	62254	5.3	1.8	90.1	2.8	13.7	4.4	.922	None
SBR71-8861	122.0-123.0	62255	4.2	3.0	89.8	3.0	10.7	7.2	.943	None
SBR71-8862	123.0-124.0	62256	8.4	2.0	86.7	2.9	21.6	4.8	.934	None
SBR71-8863	124.0-125.0	62257	9.2	2.1	86.0	2.7	23.5	5.0	.934	None
SBR71-8864	125.0-126.0	62258	9.9	2.1	84.7	3.3	25.5	5.1	.934	None
SBR71-8865	126.0-127.0	62259	9.5	2.0	85.9	2.6	24.6	4.7	.931	None
SBR71-8866	127.0-128.0	62260	7.0	2.4	88.9	1.7	17.8	5.8	.943	None
SBR71-8867	128.0-129.0	62261	7.1	2.5	88.2	2.2	18.2	6.0	.941	None
SBR71-8868	129.0-130.0	62262	10.1	2.1	83.2	4.6	26.0	5.0	.929	None
SBR71-8869	130.0-131.0	62263	13.7	1.4	81.8	3.1	35.8	3.4	.919	None
SBR71-8870	131.0-132.0	62264	9.2	1.5	87.0	2.3	24.1	3.5	.917	None
SBR71-8871	132.0-133.0	62265	11.4	1.2	84.0	3.4	29.9	2.9	.913	None
SBR71-8872	133.0-134.0	62266	11.2	1.6	83.6	3.6	29.2	3.8	.919	None
SBR71-8873	134.0-135.0	62267	13.4	2.0	81.6	3.0	35.1	4.8	.918	None
SBR71-8874	135.0-136.0	62278	7.5	2.5	88.2	1.8	19.5	6.0	.917	None
SBR71-8875	136.0-137.0	62279	9.8	3.4	84.0	2.8	25.6	8.1	.912	None
SBR71-8876	137.0-138.0	62280	6.2	2.2	89.6	2.0	16.1	5.3	.927	None
SBR71-8877	138.0-139.0	62281	7.6	3.0	87.5	1.9	19.9	7.2	.922	None
SBR71-8878	139.0-140.0	62282	9.0	2.6	86.6	1.8	23.2	6.2	.929	None
SBR71-8879	140.0-141.0	62283	9.9	3.2	84.5	2.4	25.8	7.7	.916	None
SBR71-8880	141.0-142.0	62284	6.2	2.0	89.9	1.9	16.2	4.7	.921	None
SBR71-8881	142.0-143.0	62285	9.0	1.3	86.3	3.4	23.4	3.1	.920	None
SBR71-8882	143.0-144.0	62290	10.4	1.6	85.3	2.7	26.9	3.8	.925	None
SBR71-8883	144.0-145.0	62291	6.8	2.9	87.5	2.8	17.8	7.0	.914	None
SBR71-8884	145.0-146.0	62292	3.6	2.4	92.7	1.3	9.4	5.8	.906	None

Core samples received October 1971; Assays made on air-dried samples

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Samples from USBM Rock Springs Site No. 6, Well PBC-408 (con.)

Sample number	Run No.	Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks		
		Weight percent		Gal per ton	Tendency to						
Laramie	Their	Oil	Water			Spent shale	Gas + loss	Oil ^{1/}	Water	coke	
SBR71-8885	146.0-147.0	62293	2.3	2.5	94.2	1.0	6.1	6.0	0.903	None	
SBR71-8886	147.0-148.0	62294	2.3	2.1	94.8	0.8	6.0	5.0	.911	None	
SBR71-8887	148.0-149.0	62295	1.9	1.0	96.1	1.0	5.0a	2.4		None	
SBR71-8888	149.0-150.0	62296	1.5	1.8	96.0	0.7	3.8a	4.3		None	
SBR71-8889	150.0-150.6	62297	1.3	2.5	95.4	0.8	3.4a	6.0		None	

^{1/} "a"--indicates specific gravity estimated as 0.92.

Core samples received October 1971; Assays made on air-dried samples