

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USBM Rock Springs Site No. 6, Well PBC-308 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 coke			
Laramie	Their		Oil	Water	Spent shale	Gas + loss	Oil	Water			
SBR71-8890	106.5-107.0	62298	9.3	2.8	85.3	2.6	24.3	6.7	0.916	None	
SBR71-8891	107.0-108.0	62299	10.6	2.8	84.8	1.8	27.7	6.7	.916	None	
SBR71-9165	108.0-109.0	62578	8.8	2.2	86.8	2.1	22.9	5.4	.921	None	
SBR71-9166	109.0-110.0	62579	7.7	2.0	87.7	2.6	19.9	4.8	.925	None	
SBR71-9167	110.0-111.0	62580	6.8	1.5	89.3	2.4	17.7	3.7	.916	None	
SBR71-9168	111.0-112.0	62581	4.5	1.8	91.8	1.9	11.9	4.3	.912	None	
SBR71-8892	114.0-115.0	62300	7.5	2.4	88.5	1.6	19.6	5.8	.916	None	
SBR71-8893	115.0-116.0	62301	6.3	2.4	88.3	3.0	16.6	5.8	.920	None	
SBR71-8894	116.0-116.6	62302	4.9	2.5	89.6	3.0	12.9	6.0	.916	None	
SBR71-8895	116.6-117.0	62303	4.8	2.5	90.0	2.7	12.4	6.0	.917	None	
SBR71-8896	117.0-118.0	62304	6.8	2.2	87.3	3.7	17.6	5.3	.921	None	
SBR71-8897	118.0-119.0	62305	7.7	2.4	87.4	2.5	19.9	5.8	.930	None	
SBR71-8898	119.0-120.0	62306	9.2	2.4	85.9	2.5	23.6	5.8	.933	None	
SBR71-8899	120.0-121.0	62307	5.0	2.5	91.1	1.4	12.8	6.0	.944	None	
SBR71-8900	121.0-122.0	62308	5.0	2.7	90.9	1.4	12.7	6.5	.943	None	
SBR71-8901	122.0-122.4	62309	5.3	2.9	90.3	1.5	13.4	7.0	.945	None	
SBR71-8902	122.4-123.0	62310	9.1	2.7	85.2	3.0	23.5	6.5	.931	None	
SBR71-8903	123.0-124.0	62311	10.0	2.2	85.5	2.3	26.0	5.3	.923	None	
SBR71-8904	124.0-125.0	62312	10.2	2.7	84.4	2.7	26.3	6.5	.925	None	
SBR71-8905	125.0-126.2	62313	9.6	3.0	84.4	3.0	24.7	7.2	.927	None	
SBR71-8906	126.2-127.0	62314	10.4	2.3	83.4	3.9	26.8	8.5	.931	None	
SBR71-8907	127.0-128.0	62315	6.5	2.6	88.7	2.2	16.4	6.2	.952	None	
SBR71-8908	128.0-129.0	62316	7.6	3.0	86.0	3.4	19.4	7.3	.936	None	
SBR71-8909	129.0-130.0	62317	12.8	2.3	80.2	4.7	33.3	5.5	.922	None	
SBR71-8910	130.0-131.0	62318	10.4	1.5	85.5	2.6	27.1	3.7	.917	None	
SBR71-8911	131.0-132.0	62319	10.4	1.5	85.3	2.8	27.4	3.5	.912	None	
SBR71-8912	132.0-133.0	62320	12.0	1.9	83.0	3.1	31.3	4.7	.916	None	
SBR71-8913	133.0-134.0	62321	12.1	2.0	81.8	4.1	31.4	4.8	.923	None	
SBR71-8914	134.0-135.0	62322	7.6	2.4	87.7	2.3	19.9	5.6	.916	None	
SBR71-8915	135.0-136.0	62323	9.6	3.0	84.9	2.5	25.2	7.2	.912	None	

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

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USBM Rock Springs Site No. 6, Well PBC-308 (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	
SBR71-8916	136.0-137.0	62324	5.9	2.1	89.5	2.5	15.4	5.0	0.921	None
SBR71-8917	137.0-138.0	62325	7.7	2.3	88.0	2.0	19.9	5.6	.926	None
SBR71-8918	138.0-139.0	62326	11.1	2.4	83.9	2.6	29.0	5.8	.916	None
SBR71-8919	139.0-140.0	62327	8.6	2.6	85.3	3.5	22.5	6.2	.917	None
SBR71-8920	140.0-141.0	62328	6.4	1.9	90.9	0.8	16.8	4.6	.915	None
SBR71-8921	141.0-141.9	62329	8.4	1.6	88.2	1.8	22.2	3.8	.911	None
SBR71-8922	141.9-143.0	62330	10.1	1.9	85.9	2.1	26.5	4.6	.915	None
SBR71-8923	143.0-144.0	62331	7.9	2.1	88.1	1.9	20.8	5.2	.907	None
SBR71-8924	144.0-145.0	62332	3.5	2.2	93.2	1.1	9.5	5.3	.890	None
SBR71-8925	145.0-146.0	62333	2.5	1.9	94.2	1.4	6.7	4.6	.890	None
SBR71-8926	146.0-147.0	62334	1.9	0.9	95.2	2.0	4.9a	2.2	None	None
SBR71-8927	147.0-147.5	62335	2.7	0.8	95.4	1.1	7.2	2.0	.891	None

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

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

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