

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USBM Rock Springs Site No. 6, Well PBC-0 drilled in SW1/4NW1/4NE1/4,
sec 15, T 18 N, R 106 N, 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 ¹ / Water		coke	
SBR71-9169	108.4-109.0	62582	13.5	2.1	81.3	3.1	34.9	5.2	.925	None
SBR71-9170	109.0-110.0	62583	12.3	2.2	83.4	2.1	31.9	5.3	.925	None
SBR71-9171	110.0-111.0	62612	11.6	2.2	83.6	2.6	30.2	5.3	.916	None
SBR71-9172	111.0-112.0	62585	10.0	2.6	85.0	2.4	26.2	6.2	.919	None
SBR71-9173	112.0-113.0	62586	6.6	1.4	89.3	2.7	17.2	3.2	.925	None
SBR71-9174	113.0-114.0	62613	6.4	1.1	89.1	3.4	16.5	2.6	.924	None
SBR71-9175	114.0-115.0	62588	4.2	1.2	93.6	1.0	11.2	2.9	.902	None
SBR71-9176	115.0-116.0	62589	5.7	1.6	90.1	2.6	15.1	3.8	.912	None
SBR71-9177	116.0-117.0	62590	1.3	2.3	95.1	1.3	3.4a	5.5		None
SBR71-9178	117.0-118.0	62591	0.1	2.2	96.4	1.3	0.3a	5.3		None
SBR71-9179	118.0-119.0	62592	0.0	1.5	97.3	1.2	Trace	3.6		None
SBR71-9180	119.0-120.0	62593	0.0	2.0	97.5	0.5	Trace	4.7		None
SBR71-9181	120.0-121.0	62594	0.1	2.4	96.4	1.1	0.2a	5.9		None
SBR71-9182	121.0-122.0	62595	1.4	2.6	95.0	1.0	3.5a	6.2		None
SBR71-9183	122.0-123.0	62596	0.0	2.4	96.9	0.7	Trace	5.7		None
SBR71-9184	123.0-124.0	62597	0.0	2.7	96.2	1.1	Trace	6.6		None
SBR71-9185	124.0-125.0	62598	0.0	1.9	97.3	0.8	Trace	4.5		None
SBR71-9186	125.0-126.0	62599	0.1	2.0	96.7	1.2	0.2a	4.8		None
SBR71-9187	126.0-127.0	62600	2.3	1.9	93.7	2.1	6.0	4.6	.925	None
SBR71-9188	127.0-128.0	62601	8.0	2.4	87.6	2.0	20.5	5.8	.935	None
SBR71-9189	128.0-129.0	62602	6.5	2.0	88.9	2.6	16.4	4.8	.950	None
SBR71-9190	129.0-130.0	62603	6.9	1.3	89.1	2.7	17.4	3.1	.952	None
SBR71-9191	130.0-131.0	62604	10.0	2.4	84.2	3.4	25.8	5.8	.930	None
SBR71-9192	131.0-132.0	62605	13.1	1.1	82.5	3.3	34.0	2.8	.922	None
SBR71-9193	132.0-133.0	62606	11.6	1.0	83.0	4.4	30.2	2.4	.919	None
SBR71-9194	133.0-134.0	62607	12.0	2.1	82.8	3.1	31.3	5.2	.916	None
SBR71-9195	134.0-135.0	62608	11.2	2.0	83.7	3.1	29.3	4.8	.919	None
SBR71-9196	135.0-136.0	62609	6.8	2.4	89.0	1.8	17.6	5.8	.917	None
SBR71-9197	136.0-137.0	62610	8.6	2.0	87.0	2.4	22.5	4.8	.913	None
SBR71-9198	137.0-138.0	62611	8.9	2.0	86.8	2.3	23.1	4.8	.923	None

See footnote at end of table.

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-0 (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	
SBR71-9199	138.0-139.0	62614	10.1	3.0	84.0	2.9	26.5	7.2	None	
SBR71-9200	139.0-140.0	62615	7.3	2.5	87.7	2.5	19.1	6.0	None	
SBR71-9201	140.0-141.0	62616	4.9	2.0	91.5	1.6	12.8	4.8	None	
SBR71-9202	141.0-142.0	62617	5.5	1.2	92.2	1.1	14.2	2.9	None	
SBR71-9203	142.0-143.0	62618	8.4	0.6	89.2	1.8	22.0	1.4	None	
SBR71-9204	143.0-144.0	62619	4.6	2.4	91.3	1.7	12.1	5.8	None	
SBR71-9205	144.0-145.0	62620	0.7	3.2	95.3	0.8	1.7a	7.7	None	
SBR71-9206	145.0-146.0	62621	0.0	2.6	96.6	0.8		6.2	None	
SBR71-9207	146.0-146.8	62622	0.0	0.8	97.5	1.7		2.0	None	

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

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