

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USBM Rock Springs Site No. 4 Well PBC No. 1 drilled in SW1/4SW1/4NE1/4
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		Gas + loss	Gal per ton		Tendency to coke				
Laramie	Their		Oil	Water		Spent shale			Oil ^{1/}	Water		
OSCR69-501	50	-51	44747	11.0	2.3	83.2	3.5	28.8	5.5	0.915	None	
	51	-52	44748	8.8	2.0	85.8	3.4	23.0	4.8	.917	None	
	52	-53	44749	6.9	2.4	88.1	2.6	18.0	5.8	.919	None	
	53	-54	44750	5.8	1.8	89.8	2.6	15.3	4.3	.913	None	
	54	-55	44751	6.5	2.2	89.0	2.3	17.0	5.3	.911	None	
	55	-56	44752	6.8	2.0	87.7	3.5	17.8	4.8	.911	None	
	56	-57	44753	5.1	2.7	89.3	2.9	13.5	6.5	.908	None	
	57	-58	44754	4.6	2.7	90.0	2.7	12.2	6.5	.909	None	
	58	-59	44755	7.1	3.4	87.0	2.5	18.5	8.1	.921	None	
	59	-60	44756	8.0	3.0	86.2	2.8	20.6	7.2	.923	None	
	60	-61	44757	7.1	3.2	85.3	4.4	18.4	7.7	.928	None	
	61	-62	44758	8.7	2.5	85.9	2.9	22.5	6.0	.926	None	
	62	-63	44759	5.8	2.6	89.8	1.8	14.8	6.2	.938	None	
	63	-64	44760	4.4	3.4	88.1	4.1	11.3	8.1	.939	None	
	64	-65	44860	9.4	2.1	85.5	3.0	24.3	5.0	.922	None	
	65	-66	44861	9.5	2.4	84.3	3.8	24.6	5.8	.927	None	
	66	-67	44862	9.0	2.0	86.3	2.7	23.0	4.8	.934	None	
	68	-69	44863	8.8	2.4	86.7	2.1	22.6	5.8	.935	None	
	69	-70	44864	3.5	2.0	93.0	1.5	8.8	4.8	.951	None	
	70	-72.6	44865	1.4	2.2	95.5	.9	3.6a	5.3		None	
	72.6-74.0		44866	5.0	1.4	92.0	1.6	13.1	3.4	.915	None	
	74	-75	44867	12.3	1.4	83.4	2.9	32.6	3.4	.908	None	
	75	-76	44870	12.6	2.0	82.6	2.8	33.2	4.8	.913	None	
	76	-77	44871	7.8	2.4	88.1	1.7	20.5	5.8	.911	None	
	77	-78	44872	8.6	2.3	86.4	2.7	22.7	5.5	.911	None	
	78	-79	44873	5.3	2.3	89.7	2.7	13.8	5.5	.921	None	
	79	-80	44874	7.6	2.2	88.5	1.7	19.7	5.3	.923	None	
	80	-81	44875	10.1	2.7	84.0	3.2	26.6	6.5	.913	None	
	81	-82	44876	7.2	2.6	88.2	2.0	18.9	6.2	.911	None	
	82	-83	44877	4.5	1.6	91.3	2.6	11.7	3.8	.917	None	

See footnote at end of table.

Core samples received October 1969; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USBM Rock Springs Site No. 4 Well PBC No. 1 (con.)

Sample number		Run No.	Yield of product						Specific gravity of oil at 60°/60° F	Properties of spent shale Tendency to coke	Remarks
			Weight percent		Spent shale	Gas + loss	Gal per ton				
Laramie	Their		Oil	Water					Oil ^{1/}	Water	
OSCR69-501	83-84	44878	7.1	1.9	89.0	2.0	18.6	4.6	0.917	None	
	84-85	44879	10.8	2.0	84.3	2.9	28.3	4.8	.915	None	
	85-86	44880	7.1	2.0	87.9	3.0	18.5	4.8	.916	None	
	86-87	44881	4.8	2.0	92.0	1.2	13.0	4.8	.891	None	
	87-88	44882	2.1	2.0	94.5	1.4	5.6	4.8	.884	None	
	88-89	44883	1.7	2.0	94.7	1.6	4.4a	4.8		None	
	89-90	44884	2.2	1.2	95.2	1.4	6.1	2.9	.890	None	

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

Core samples received October 1969; Assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-4379P Sheet No. 2 of 2 sheest

October 16, 1969