

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Rock Springs Site 4 Well PBC-11 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		Gal per ton			Tendency to				
Laramie	Their	Oil	Water	Spent shale	Gas + loss	Oil ¹ /	Water	coke			
OSCR69-567	60-61	46156	7.0	1.9	87.6	3.5	18.0	4.6	0.933	None	
	61-62	46157	5.4	2.4	89.7	2.5	13.7	5.8	.944	None	
	62-63	46158	7.5	1.4	87.2	3.9	19.1	3.4	.936	None	
	63-64	46159	10.2	2.3	83.9	3.6	26.5	5.5	.925	None	
	64-65	46160	8.1	1.5	86.1	4.3	20.6	3.6	.940	None	
	65-66	46161	9.0	2.0	85.4	3.6	23.2	4.8	.935	None	
	66-67	46162	8.5	2.6	86.1	2.8	21.6	6.2	.944	None	
	67-68	46163	6.5	2.7	88.2	2.6	16.4	6.5	.951	None	
	68-69	46164	6.0	2.8	88.3	2.9	15.2	6.7	.946	None	
	69-70	46165	9.6	3.0	83.8	3.6	24.9	7.2	.925	None	
	70-71	46166	13.3	2.5	80.8	3.4	34.5	6.0	.921	None	
	71-72	46167	9.6	1.5	85.9	3.0	25.2	3.6	.917	None	
	72-73	46168	11.0	1.4	84.7	2.9	28.8	3.4	.914	None	
	73-74	46169	10.1	1.4	84.8	3.7	26.5	3.4	.912	None	
	74-75	46170	11.1	2.8	83.3	2.8	29.2	6.7	.912	None	
	75-76	46171	7.7	2.5	88.1	1.7	20.1	6.0	.918	None	
	76-77	46172	8.9	1.3	87.7	2.1	23.2	3.1	.920	None	
	77-78	46173	5.7	2.6	90.3	1.4	14.9	6.2	.918	None	
	78-79	46174	6.2	2.5	89.7	1.6	16.1	6.0	.927	None	
	79-80	46175	8.4	2.4	87.0	2.2	21.7	5.8	.930	None	
	80-81	46176	11.5	2.7	82.6	3.2	30.3	6.5	.913	None	
	81-82	46177	7.4	2.3	88.7	1.6	19.6	5.5	.912	None	
	82-83	46178	4.7	2.0	92.2	1.1	12.4	4.8	.918	None	
	83-84	46179	6.8	1.2	89.7	2.3	17.7	2.9	.919	None	
	84-85	46180	10.0	1.8	85.0	3.2	26.2	4.3	.917	None	
	85-86	46181	7.4	2.0	88.1	2.5	19.4	4.8	.914	None	
	86-87	46182	3.0	1.0	94.4	1.6	8.0	2.4	.889	None	
	87-88	46183	2.0	.8	94.9	2.3	5.4	1.9	.892	None	
	88-89	46184	1.9	1.1	95.9	1.1	5.1a	2.6		None	
	89-90	46185	1.7	1.4	95.8	1.1	4.5a	3.4		None	

See footnote at end of table.

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

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Samples from U.S. Bureau of Mines Rock Springs Site 4 Well PBC-11 (con.)

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		shale		Oil ^{1/}	Water	
OSCR69-567	90.0-90.7	46186	1.4	2.6	94.9	1.1	3.5a	6.2		None

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

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

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-4399P Sheet No. 2 of 2 sheets

December 2, 1969