

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USBM Rock Springs Site No. 4 Well PBC-3 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			
OSCR69-498	60-61	44701	7.8	2.7	86.0	3.5	20.3	6.5	0.927	None	
	61-62	44702	5.4	2.1	89.6	2.9	13.7	5.0	.937	None	
	62-63	44703	5.7	2.4	88.7	3.2	14.6	5.8	.939	None	
	63-64	44704	6.7	2.8	87.0	3.5	17.3	6.7	.933	None	
	64-65	44705	9.7	2.5	84.3	3.5	25.1	6.0	.924	None	
	65-66	44706	8.6	2.7	85.7	3.0	22.3	6.5	.926	None	
	66-67	44707	8.4	2.3	86.1	3.2	21.5	5.5	.932	None	
	67-68	44708	8.5	2.6	86.4	2.5	21.7	6.2	.940	None	
	68-69	44709	7.2	2.6	87.9	2.3	18.1	6.2	.946	None	
	69-70	44868	5.9	2.6	89.6	1.9	15.1	6.2	.940	None	
	70-71	44811	10.2	2.0	84.8	3.0	26.7	4.8	.918	None	
	71-72	44812	8.1	.9	89.0	2.0	21.3	2.2	.917	None	
	72-73	44813	9.6	.6	87.3	2.5	25.0	1.4	.917	None	
	73-74	44814	13.9	1.3	81.6	3.2	36.7	3.1	.909	None	
	74-75	44815	11.3	1.7	83.5	3.5	29.8	4.1	.909	None	
	75-76	44869	10.8	2.1	83.8	3.3	28.5	5.0	.909	None	
	76-77	44817	8.4	2.2	87.4	2.0	21.7	5.3	.926	None	
	77-78	44818	7.2	2.6	88.3	1.9	18.8	6.2	.911	None	
	78-79	44819	6.6	2.4	88.0	3.0	17.3	5.8	.919	None	
	79-80	44820	8.0	1.6	88.0	2.4	20.7	3.8	.926	None	
	80-81	44821	10.0	2.8	84.7	2.5	26.1	6.7	.914	None	
	81-82	44822	7.0	2.5	88.4	2.1	18.3	6.0	.911	None	
	82-83	44823	4.7	1.7	89.6	4.0	12.2	4.1	.928	None	
	83-84	44824	8.3	1.7	86.9	3.1	21.8	4.1	.914	None	
	84-85	44825	9.7	1.4	84.1	4.8	25.4	3.4	.917	None	
	85-86	44826	6.4	2.4	87.8	3.4	16.9	5.8	.908	None	
	86-87	44827	4.3	2.0	91.3	2.4	11.6	4.8	.893	None	
	87-88	44828	2.0	2.5	93.6	1.9	5.4	6.0	.892	None	
	88-89	44829	2.0	1.8	94.2	2.0	5.3	4.3	.890	None	
	80-90	44830	1.3	1.2	95.1	2.4	3.3a	2.9		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-3 (con.)

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks
			Weight percent		Spent shale	Gas + loss		Gal per ton		
Laramie	Their		Oil	Water					Oil ^{1/}	Water
OSCR69-498	90-91	44831	1.4	2.1	94.2	2.3	3.7a	5.0		None
	91-92	44832	4.3	1.2	93.1	1.4	11.0	2.9	0.927	None
	92-93	44833	6.4	2.0	88.7	2.9	16.6	4.8	.927	None
	93-94	44834	4.8	1.9	91.1	2.2	12.6	4.6	.909	None
	94-95	44835	7.0	1.9	88.7	2.4	18.3	4.6	.916	None
	95-96	44836	8.8	1.6	86.9	2.7	23.2	3.8	.905	None
	96-97	44837	5.1	1.7	91.2	2.0	13.7	4.1	.899	None
	97-98	44838	2.6	3.4	90.9	3.1	7.0	8.1	.896	None
	98-99	44839	3.6	2.7	91.0	2.7	9.5	6.5	.896	None
	99-100	44840	3.4	2.8	91.2	2.6	9.1	6.7	.899	None
	100-101	44841	3.5	1.8	92.3	2.4	9.2	4.3	.901	None
	101-102	44842	4.4	3.2	89.1	3.3	11.8	7.7	.896	None
	102-103	44843	5.8	2.0	90.3	1.9	15.6	4.8	.895	None
	103-104	44844	7.3	2.7	87.1	2.9	19.4	6.5	.895	None
	104-105	44845	.8	6.1	92.2	.9	2.1a	14.6		None
	105-106	44846	4.0	3.8	88.2	4.0	10.9	9.1	.891	None
	106-107	44847	3.8	3.5	89.8	2.9	10.2	8.4	.889	None
	107-108	44848	2.4	4.6	92.3	.7	6.4	11.0	.879	None
	108-109	44849	7.2	2.5	87.5	2.8	19.3	6.0	.896	None
	109-110	44850	2.8	3.6	91.8	1.8	7.6	8.6	.884	None
	110-111	44851	.2	3.6	93.5	2.7	.6a	8.6		None
	111-112	44852	.1	2.2	96.4	1.3	.4a	5.3		None
	112-113	44853	.4	2.6	95.8	1.2	.9a	6.2		None
	113-114	44854	.2	2.9	95.7	1.2	.6a	7.0		None
	114-114.5	44855	1.1	3.6	92.8	2.5	2.8a	8.6		None

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

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