

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USBM Rock Springs Site No. 4 Well PBC No. 6 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 Tendency to coke	Remarks
			Weight percent		Spent shale	Gas + loss	Gal per ton				
Laramie	Their		Oil	Water					Oil <sub>1</sub> /	Water	
OSCR69-504	60-61	44941	6.8	2.9	87.4	2.9	17.4	7.0	0.930	None	
	61-62	44942	7.7	2.5	86.5	3.3	19.8	6.0	.934	None	
	62-63	44943	5.2	2.6	89.5	2.7	13.3	6.2	.941	None	
	63-64	44944	5.4	2.9	88.8	2.9	13.7	7.0	.942	None	
	64-65	44945	7.2	2.3	86.7	3.8	18.6	5.5	.934	None	
	65-66	44946	8.8	2.5	86.0	2.7	22.7	6.0	.927	None	
	66-67	44947	7.9	2.6	85.4	4.1	20.4	6.2	.932	None	
	67-68	44948	7.6	2.1	87.5	2.8	19.5	5.0	.939	None	
	68-69	44949	11.6	.8	84.8	2.8	30.3	1.9	.912	None	
	69-70	44950	11.1	1.0	85.0	2.9	29.3	2.4	.910	None	
	70-71	44951	8.7	1.0	87.9	2.4	22.6	2.4	.915	None	
	71-72	44953	12.8	1.4	83.0	2.8	33.7	3.4	.911	None	
	72-73	44954	7.9	1.9	86.5	3.7	20.3	4.6	.929	None	
	73-74	44955	6.2	2.5	88.2	3.1	15.5	6.0	.953	None	
	74-75	44956	7.7	3.0	87.0	2.3	19.7	7.2	.938	None	
	75-76	44957	12.6	1.4	83.7	2.3	32.9	3.4	.915	None	
	76-77	44958	8.3	1.8	88.3	1.6	21.7	4.3	.916	None	
	77-78	44959	7.0	1.7	89.5	1.8	18.2	4.1	.918	None	
	78-81	44960	8.5	2.2	87.8	1.5	21.9	5.3	.925	None	
	81-82	44961	11.6	1.9	84.6	1.9	30.6	4.6	.909	None	
	82-83	44962	7.2	2.4	88.9	1.5	18.7	5.8	.916	None	
	83-84	44963	7.1	1.6	89.9	1.4	18.4	3.8	.920	None	
	84-85	44964	10.6	2.2	81.8	5.4	27.5	5.3	.920	None	
	85-86	44965	7.8	2.8	87.3	2.1	20.3	6.7	.919	None	
	86-87	44966	5.4	2.8	89.9	1.9	14.3	6.7	.901	None	
	87-88	44967	2.4	1.6	93.2	2.8	6.4	3.8	.899	None	
	88-89	44968	2.0	2.8	93.1	2.1	5.4	6.7	.897	None	
	89-90	44969	2.2	1.1	95.3	1.4	6.0	2.6	.890	None	
	90-91	44970	1.1	2.0	97.0	.9	2.8a	4.8		None	
	91-92.3	44971	3.3	1.8	93.1	1.8	8.7	4.3	.918	None	

See footnote at end of table.

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

## OIL-SHALE ASSAYS BY MODIFIED RETORT METHOD

Samples from USBM Rock Springs Site No. 4 Well PBC No. 6 (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	Water	coke		
OSCR69-504	92.3-93.0	44972	6.3	1.0	89.9	2.8	16.2	2.4	0.928	None	
	93 -94	44973	5.4	1.3	91.2	2.1	14.1	3.1	.924	None	
	94 -95	44974	5.6	1.8	90.6	2.0	15.0	4.3	.901	None	

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

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