

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USBM Rock Springs Site No. 4 Well PBC No. 9 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 <sup>1/</sup>	Water	coke		
OSCR69-505	60 -61	44975	6.1	3.0	87.7	3.2	15.8	7.2	0.931	None	
	61 -62	44976	8.3	3.6	84.9	3.2	21.4	8.6	.930	None	
	62 -63	44977	6.0	2.5	88.9	2.6	15.3	6.0	.935	None	
	63 -64	44978	5.1	2.8	90.1	2.0	13.0	6.7	.944	None	
	64 -65	44979	5.6	3.6	88.7	2.1	14.1	8.6	.943	None	
	65 -66	44980	10.5	2.5	83.5	3.5	27.4	6.0	.919	None	
	66 -67	44981	9.1	2.2	84.8	3.9	23.6	5.3	.926	None	
	67 -68	44982	8.9	2.4	85.1	3.6	22.7	5.8	.940	None	
	68 -69	44983	7.1	2.3	88.0	2.6	18.0	5.5	.944	None	
	69 -70	44984	5.2	2.2	91.6	1.0	13.2	5.3	.943	None	
	70 -71.5	44985	.0	2.9	95.9	1.2	Trace	7.0		None	
	71.5-73.1	44986	.4	1.0	98.3	.3	1.0a	2.4		None	
	73.9-75.0	44987	12.8	2.1	82.2	2.9	33.5	5.0	.915	None	
	75 -76	44988	3.6	2.4	91.9	2.1	9.5	5.8	.907	None	
	76 -77	44989	7.6	2.5	88.5	1.4	19.8	6.0	.915	None	
	77 -78	44990	8.8	2.0	86.6	2.6	23.3	4.8	.906	None	
	78 -79	44991	6.2	1.8	90.1	1.9	16.2	4.3	.916	None	
	79 -80	44992	7.1	2.4	88.9	1.6	18.5	5.8	.921	None	
	80 -81	44993	10.7	1.9	85.0	2.4	27.7	4.6	.922	None	
	81 -82	44994	8.8	2.7	86.1	2.4	23.2	6.5	.908	None	
	82 -83	44995	4.7	1.8	91.7	1.8	12.3	4.3	.912	None	
	83 -84	44996	7.0	1.5	89.9	1.6	18.2	3.6	.917	None	
	84 -85	44997	9.8	1.5	86.0	2.7	25.6	3.6	.916	None	
	85 -86	44998	6.8	3.0	88.3	1.9	17.9	7.2	.910	None	
	86 -87	44999	4.4	1.8	92.3	1.5	11.7	4.3	.894	None	
	87 -88	45000	1.9	1.6	95.6	.9	5.2	3.8	.887	None	
	88 -89	45001	2.0	1.1	95.1	1.8	5.5	2.6	.887	None	
	89 -90	45002	2.0	1.0	96.0	1.0	5.4	2.4	.889	None	
	90 -91	45003	1.4	2.0	95.2	1.4	3.6a	4.8		None	
	91 -92	45004	1.4	2.1	95.2	1.3	3.6a	5.0		None	

See footnote at end of table.

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

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Samples from USBM Rock Springs Site No. 4 Well PBC No. 9 (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			Gal per ton						
Laramie	Their	Oil	Water	Spent shale	Gas + loss	Oil	Water				
OSCR69-505	92-93	45005	3.2	1.6	93.9	1.3	8.4	3.8	0.911	None	
	93-94	45006	3.8	.9	91.9	3.4	9.7	2.3	.930	None	
	94-94.4	45007	5.2	1.6	91.1	2.1	13.5	3.8	.913	None	

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

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