

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USBM Rock Springs Well No. 2-2 drilled in SE1/4SE1/4NW1/4
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	Water	coke	
OSCR-RS-2-2	40.5-41.0	10938	5.3	3.1	89.6	2.0	13.8	7.5	0.913	None
	41.0-42.0	10939	5.9	2.7	89.3	2.1	15.4	6.5	.913	None
	42.0-42.6	10940	5.1	3.0	89.9	2.0	13.4	7.3	.912	None
	42.6-43.1	10941	6.6	3.3	88.4	1.7	17.3	7.9	.920	None
	43.1-43.5	10942	7.3	3.3	86.2	3.2	18.9	7.8	.930	None
	43.5-44.5	10943	8.2	4.0	85.2	2.6	21.1	9.6	.930	None
	44.5-45.0	10944	7.8	3.4	86.0	2.8	20.2	8.1	.930	None
	45.0-45.8	10945	6.5	3.1	88.5	1.9	16.8	7.4	.935	None
	45.8-46.8	10946	8.1	3.2	86.3	2.4	20.8	7.7	.934	None
	46.8-47.3	10947	4.5	2.7	90.2	2.6	11.5	6.5	.949	None
	47.3-47.4	10948	4.8	3.5	89.1	2.6	12.2	8.5	.949	None
	47.4-48.5	10949	5.6	3.0	89.8	1.6	14.1	7.2	.945	None
	48.5-49.0	10950	2.7	5.0	90.8	1.5	6.9	11.9	.939	None
	49.0-49.4	10951	6.7	2.4	88.7	2.2	17.3	5.8	.932	None
	49.4-50.4	10952	9.7	2.9	84.6	2.8	25.3	7.0	.922	None
	50.4-51.4	10953	7.9	2.3	86.4	3.4	20.2	5.5	.935	None
	51.4-51.7	10954	10.6	3.0	83.0	3.4	27.5	7.3	.925	None
	51.7-52.7	10955	9.5	2.9	84.9	2.7	24.4	7.1	.932	None
	52.7-53.7	10956	7.9	3.0	87.5	1.6	20.0	7.2	.944	None
	53.7-54.7	11000	7.2	2.1	88.3	2.4	18.3	5.0	.942	None
	54.7-55.7	10958	6.5	3.1	88.4	2.0	16.7	7.3	.936	None
	55.7-56.1	10959	11.0	3.1	82.3	3.6	28.5	7.5	.924	None
	56.1-56.2	10960	8.2	1.6	87.4	2.8	21.5	3.8	.915	None
	56.2-56.8	10961	13.8	2.9	80.0	3.3	36.2	7.1	.912	None
	56.8-57.1	10962	4.5	.6	93.8	1.1	11.7	1.3	.925	None
	57.1-58.1	10963	11.1	1.9	84.0	3.0	29.2	4.4	.913	None
	58.1-59.1	10964	10.1	1.6	85.5	2.8	26.6	3.8	.910	None
	59.1-59.6	10965	12.2	2.0	83.0	2.8	32.2	4.8	.910	None
	59.6-59.7	10966	7.0	1.0	90.1	1.9	18.3	2.4	.911	None
	59.7-60.0	10967	12.0	2.3	83.4	2.3	31.7	5.4	.909	None

Core samples received January 1966; assays made on as received basis

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USBM Rock Springs Well No. 2-2 (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 ¹ /	Water		coke		
OSCR-RS-2-2	60.0-60.1	10968	8.5	1.3	88.4	1.8	22.6	3.1	0.905	None		
	60.1-61.3	11001	11.4	1.9	84.0	2.7	29.8	4.7	.914	None		
	61.3-61.4	10970	6.7	4.3	88.0	1.0	17.8	10.3	.901	None		
	61.4-61.9	10971	7.4	3.2	88.0	1.4	19.3	7.7	.917	None		
	61.9-62.8	10972	9.8	3.2	84.3	2.7	25.8	7.7	.912	None		
	62.8-63.7	10973	5.4	3.1	90.4	1.1	14.1	7.3	.920	None		
	63.7-63.8	10974	7.1	3.8	87.9	1.2	18.6	9.2	.912	None		
	63.8-64.0	10975	4.2	1.9	92.1	1.8	10.9	4.6	.926	None		
	64.0-64.8	10976	7.6	2.0	88.7	1.7	19.7	4.9	.922	None		
	64.8-65.8	10977	11.0	1.9	84.9	2.2	28.6	4.7	.920	None		
	65.8-66.7	10978	12.8	3.8	80.8	2.6	33.3a	9.1		Slight		
	66.7-67.7	10979	5.1	3.1	90.5	1.3	13.6	7.3	.902	None		
	67.7-68.1	10980	6.0	2.6	89.7	1.7	15.6	6.2	.920	None		
	68.1-68.7	10981	6.2	1.6	90.5	1.7	16.2	3.8	.913	None		
	68.7-68.9	10982	3.8	.8	94.1	1.3	9.8	2.0	.925	None		
	68.9-69.9	10983	11.1	1.8	84.0	3.1	29.3	4.2	.909	None		
	69.9-70.5	10984	9.4	2.6	85.5	2.5	24.6	6.2	.921	None		
	70.5-70.8	10985	5.5	2.0	91.3	1.2	14.5	4.9	.903	None		
	70.8-71.3	10986	5.7	2.5	90.1	1.7	15.3	6.0	.901	None		
	71.3-71.5	10987	1.8	2.8	94.3	1.1	4.8a	6.7		None		
	71.5-72.0	10988	4.8	1.7	92.1	1.4	13.0	4.0	.891	None		
	72.0-72.1	10989	2.5	1.6	94.5	1.4	6.7	4.0	.881	None		
	72.1-73.1	10990	2.1	1.5	95.3	1.1	5.6	3.7	.890	None		
	73.1-74.1	10991	1.9	1.7	95.3	1.1	4.8a	4.1		None		
	74.1-75.1	10992	1.8	1.5	95.7	1.0	4.7a	3.6		None		
	75.1-76.1	10993	1.4	2.0	95.7	1.0	3.7a	4.8		None		
	76.1-77.1	10994	1.7	2.0	95.3	1.0	4.5a	4.8		None		
	77.1-77.5	10995	2.6	2.0	94.2	1.2	6.9	4.8	.916	None		
	77.5-78.2	10996	7.0	1.4	89.2	2.4	18.2	3.4	.926	None		
	78.2-78.4	10997	4.4	.7	93.6	1.3	11.4	1.7	.926	None		

See footnotes at end of table.

Core samples received January 1966; assays made on as received basis

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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	Water
OSCR-RS-2-2	78.4-79.4	10998	5.6	1.7	90.9	1.8	14.7	4.1	0.917	None
	79.4-80.0	10999	6.5	2.0	89.6	1.9	17.2	4.7	.909	None

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

Core samples received January 1966; assays made on as received basis

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