

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USBM Rock Springs Site No. 4 Well PBC No. 5 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		Spent shale	Gas + loss		Gal per ton		
Laramie	Their		Oil	Water					Oil ^{1/}	Water
OSCR69-503	60 -61	44911	6.9	2.7	87.1	3.3	17.8	6.5	0.928	None
	61 -62	44912	8.2	2.9	86.0	2.9	21.1	7.0	.928	None
	62 -63	44913	6.6	2.2	88.0	3.2	17.1	5.3	.934	None
	63 -64	44914	4.8	3.0	89.3	2.9	12.2	7.2	.943	None
	64 -65	44915	5.7	3.0	88.0	3.3	14.5	7.2	.940	None
	65 -66	44916	8.6	2.2	85.9	3.3	22.2	5.3	.927	None
	66 -67	44917	9.2	2.5	86.6	1.7	23.8	6.0	.923	None
	67 -68	44918	7.7	2.0	87.5	2.8	19.8	4.8	.931	None
	68 -69	44919	7.1	2.2	88.8	1.9	18.2	5.3	.941	None
	69 -69.5	44920	11.8	2.2	82.8	3.2	30.7	5.3	.922	None
	72.3-72.5	44921	7.0	2.4	89.2	1.4	18.2	5.8	.917	None
	72.6-73.6	44922	11.2	1.0	85.8	2.0	29.1	2.4	.919	None
	73.6-74.6	44923	10.5	1.4	85.6	2.5	27.5	3.4	.916	None
	74.6-76.0	44924	12.5	2.4	83.2	1.9	32.7	5.8	.913	None
	76 -77A	44925	10.3	2.4	85.9	1.4	26.9	5.8	.912	None
	76 -77B	44926	1.3	2.7	95.8	.2	3.5a	6.5		None
	77 -78	44927	.1	2.3	97.5	.1	.2a	5.5		None
	78 -79	44929	4.3	1.5	92.8	1.4	11.2	3.6	.916	None
	79 -80	44930	8.7	2.0	84.2	5.1	22.9	4.8	.908	None
	80 -81	44931	5.0	2.6	90.2	2.2	13.1	6.2	.912	None
	81 -82	44932	4.8	2.1	91.5	1.6	12.5	5.0	.918	None
	82 -83	44933	9.4	1.4	86.9	2.3	24.7	3.4	.914	None
	83 -84	44934	11.0	1.3	84.2	3.5	28.8	3.1	.918	None
	84 -86	44935	7.3	1.9	88.8	2.0	19.1	4.6	.916	None
	86 -87	44936	5.1	2.4	90.7	1.8	13.4	5.8	.906	None
	87 -88	44937	3.5	1.6	93.3	1.6	9.5	3.8	.889	None
	88 -89	44938	2.2	1.4	94.8	1.6	5.8	3.4	.890	None
	89 -90	44939	2.1	1.6	95.1	1.2	5.7	3.8	.888	None

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

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