

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Davis Oil Company's Conroy Federal No. 1 drilled in the NW1/4NWNW1/4 (661 feet S/N, 724 feet E/W) of sec 10, T 16 N, R 100 W, Sweetwater County, Wyoming

Surface elevation 8,071 feet

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	
SBR72-10765	40- 50	77852	4.2	2.9	91.0	1.9	11.0	7.0	0.916	None
SBR72-10766	50- 60	77853	1.8	.5	91.9	5.8	4.6a	1.3		None
SBR72-10767	60- 70	77854	5.9	2.1	90.3	1.7	15.4	5.0	.912	None
SBR72-10768	70- 80	77855	6.6	2.0	89.2	2.2	17.2	4.8	.916	None
SBR72-10769	80- 90	77856	3.9	1.8	93.1	1.2	10.2	4.3	.909	None
SBR72-10770	90-100	77857	2.2	2.6	94.6	.6	5.7	6.2	.908	None
SBR72-10771	100-110	77858	4.6	1.9	92.1	1.4	12.1	4.6	.918	None
SBR72-10772	110-120	77859	4.9	2.5	90.8	1.8	12.8	6.0	.918	None
SBR72-10773	120-130	77860	.6	2.4	96.1	.9	1.6a	5.8		None
SBR72-10774	130-140	77861	1.9	1.7	94.9	1.5	4.9a	4.1		None

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

Drill cutting samples received May 8, 1972; Assays made on air-dried samples
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