

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Davis Oil Company's Unit Federal No. 1 well drilled in SE1/4NW1/4 (1850 feet S/N 1980 feet E/W) of sec 22, T 17 N, R 99 W, Sweetwater County, Wyoming

Surface elevation 7,040 feet

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 <sup>1/</sup>	Water			
SBR70-7636	0- 5	53290	0.1	3.5	94.8	1.6	0.4a	8.4	None	
SBR70-7637	5- 10	53291	.0	4.0	94.5	1.5	Trace	9.5	None	
SBR70-7638	10- 15	53292	.0	3.6	94.8	1.6	Trace	8.7	None	
SBR70-7639	15- 20	53293	.1	4.0	95.7	.2	.2a	9.6	None	
SBR70-7640	20- 25	53294	.1	4.2	95.2	.5	.2a	10.1	None	
SBR70-7641	25- 30	53295	.0	3.6	95.3	1.1	No Oil	8.7	None	
SBR70-7642	30- 35	53296	.0	4.4	94.8	.8	Trace	10.5	None	
SBR70-7643	35- 40	53297	.1	3.3	96.0	.6	.2a	7.9	None	
SBR70-7644	40- 45	53298	.0	1.4	98.5	.1	No Oil	3.3	None	
SBR70-7645	45- 50	53299	.0	1.5	98.4	.1	No Oil	3.6	None	
SBR70-7646	50- 55	53300	.0	.8	98.2	1.0	No Oil	1.9	None	
SBR70-7647	55- 60	53301	.0	1.7	98.1	.2	No Oil	4.1	None	
SBR70-7648	60- 65	53302	.0	1.8	98.2	.0	No Oil	4.2	None	
SBR70-7649	65- 70	53303	.1	2.7	96.9	.3	.2a	6.5	None	
SBR70-7650	70- 75	53304	.2	2.3	97.1	.4	.6a	5.5	None	
SBR70-7651	75- 80	53305	.0	2.4	96.9	.7	Trace	5.6	None	
SBR70-7652	80- 85	53306	.2	2.5	96.0	1.3	.6a	6.0	None	
SBR70-7653	85- 90	53307	.0	2.9	96.0	1.1	Trace	7.0	None	
SBR70-7654	90- 95	53308	.0	2.8	96.1	1.1	Trace	6.7	None	
SBR70-7655	95-100	53309	.1	2.9	96.2	.8	.3a	7.0	None	
SBR70-7656	100-105	53310	1.0	2.9	95.2	.9	2.7a	7.0	None	
SBR70-7657	105-110	53311	2.0	2.5	93.8	1.7	5.1a	6.1	None	
SBR70-7658	110-115	53312	3.6	2.5	92.1	1.8	9.5	6.0	0.910	
SBR70-7659	115-120	53314	3.8	3.0	91.7	1.5	9.9	7.3	.910	
SBR70-7660	120-125	53315	4.0	3.4	90.8	1.8	10.5	8.0	.909	
SBR70-7661	125-130	53316	3.6	2.9	92.0	1.5	9.5	7.0	.910	
SBR70-7662	130-135	53317	2.4	2.9	93.0	1.7	6.3	7.1	.910	
SBR70-7663	135-140	53318	3.9	2.7	91.7	1.7	10.4	6.4	.909	
SBR70-7664	140-145	53319	3.0	3.0	92.2	1.8	8.0	7.2	.910	
SBR70-7665	145-150	53320	2.9	2.8	92.7	1.6	7.6	6.8	.912	

See footnote at end of table.

Drill cutting samples received August 3, 1970; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Davis Oil Company's Unit Federal No. 1 well (con.)

Surface elevation 7,040 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 <sup>1/</sup>	Water	coke	
SBR70-7666	150-160	53321	2.0	3.2	93.4	1.4	5.4	7.7	0.900	None
SBR70-7667	160-170	53322	2.3	3.0	92.8	1.9	6.2	7.1	.900	None
SBR70-7668	170-180	53323	2.9	3.0	92.4	1.7	7.7	7.2	.901	None
SBR70-7669	180-190	53324	2.9	2.7	93.4	1.0	7.6	6.5	.909	None
SBR70-7670	190-200	53325	3.4	2.6	92.1	1.9	9.0	6.2	.907	None
SBR70-7671	200-210	53326	4.9	3.0	90.2	1.9	12.9	7.2	.902	None
SBR70-7672	210-220	53372	4.5	3.5	90.6	1.4	12.1	8.4	.897	None
SBR70-7673	220-230	53328	2.4	3.2	92.8	1.6	6.3	7.7	.897	None
SBR70-7674	230-240	53329	1.3	2.8	94.4	1.5	3.5a	6.7		None
SBR70-7675	240-250	53330	2.0	3.0	93.8	1.2	5.3	7.2	.896	None
SBR70-7676	250-260	53331	1.1	2.5	95.2	1.2	2.9a	6.0		None

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

Drill cutting samples received August 3, 1970; Assays made on air-dried samples

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