

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Husky Oil Company's Federal 7-5 Well drilled in the SW1/4NE1/4
(2,051 feet S/N, 1,980 feet W/E) of sec 5, T 22 N, R 105 W, Sweetwater County,
Wyoming

Kelly bushing elevation 7,233 feet

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks
			Weight percent		Gas + loss	Gal per ton		Tendency to coke		
Laramie	Their		Oil	Water		Spent shale			Oil	Water
SBR73-3629-30	0- 10						No oil			
SBR73-3631-37	50-120						No oil			
SBR73-3638	120-130	80126	0.0	1.5	97.6	0.9	No oil	3.6		None
SBR73-3639	130-140						Trace			
SBR73-3640-41	140-160						No oil			
SBR73-3642-46	160-210						b			
SBR73-3647	210-220	80127	1.2	2.6	95.3	.9	3.1a	6.2		None
SBR73-3648	220-230	80128	.6	1.7	97.1	.6	1.6a	4.1		None
SBR73-3649	230-240	80129	1.9	2.3	94.2	1.6	4.9	5.5	0.928	None
SBR73-3650	240-250	80130	.1	2.3	97.1	.5	.3a	5.5		None
SBR73-3651	250-260						Trace			
SBR73-3652-58	260-330						No oil			
SBR73-3659	330-340	80131	1.5	2.1	94.4	2.0	3.9a	5.0		None
SBR73-3660	340-350	80132	1.5	2.1	95.1	1.3	3.9a	5.0		None
SBR73-3661	350-380	80133	.0	2.1	97.4	.5	Trace	5.0		None
SBR73-3662	380-410	80134	.0	2.5	97.1	.4	Trace	6.0		None
SBR73-3663	410-440	80135	.0	2.4	97.0	.6	Trace	5.8		None
SBR73-3664	440-470	80136	4.1	2.1	92.0	1.8	10.7a	5.0		None
SBR73-3665	470-500	80137	2.8	1.6	93.6	2.0	7.3	3.8	.915	None
SBR73-3666	500-530	80138	6.2	1.7	90.1	2.0	16.3	4.1	.912	None
SBR73-3667	530-560	80139	1.9	2.0	95.0	1.1	4.9a	4.8		None
SBR73-3668	560-590	80140	.6	.4	96.8	2.2	1.6a	1.0		None
SBR73-3669	590-620	80141	1.6	1.9	95.6	.9	4.2a	4.6		None
SBR73-3670	620-650	80142	2.2	1.8	95.1	.9	5.8	4.3	.914	None
SBR73-3671	650-680	80143	1.1	2.1	95.9	.9	2.9a	5.0		None
SBR73-3672	680-710	80144	1.3	1.9	95.6	1.2	3.4a	4.6		None
SBR73-3673	710-740	80145	3.5	2.0	93.4	1.1	9.2	4.8	.907	None
SBR73-3674	740-770	80146	.8	2.4	96.0	.8	2.1a	5.8		None
SBR73-3675	770-800	80147	2.3	2.0	94.1	1.6	6.1	4.8	.906	None
SBR73-3676	800-830	80148	2.1	1.7	94.7	1.5	5.6	4.1	.904	None

See footnote at end of table.

Drill cutting samples received November 27, 1972; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Husky Oil Company's Federal 7-5 Well (Continued)

Kelly bushing elevation 7,233 feet

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks
			Weight percent		Gas + loss	Gal per ton		Tendency to coke		
Laramie	Their		Oil	Water		Spent shale			Oil	Water
SBR73-3677	830- 860	80149	0.2	1.6	97.4	0.8	0.5a	3.8	None	
SBR73-3678	860- 890	80150	.3	1.3	97.5	.9	.8a	3.1	None	
SBR73-3679	920- 950	80151	.7	1.9	96.8	.6	1.8a	4.6	None	
SBR73-3680	950- 980	80152	.2	1.7	97.4	.7	.5a	4.1	None	
SBR73-3681	980-1000	80153	.8	1.5	96.7	1.0	2.1a	3.6	None	
SBR73-3682	1000-1030	80154	1.1	3.4	94.4	1.1	2.9a	8.1	None	
SBR73-3683	1030-1060	80155	1.2	8.9	87.2	2.7	3.1a	21.3	None	
SBR73-3684-96	1210-1600						No oil			
SBR73-3697	1630-1660						No oil			

1/ "a"--indicates specific gravity estimated as 0.92. Oil yields were estimated by a rapid test-tube method; "No oil," "Trace," "b"--less than 1 gal oil/ton, "c"--1 to 3 gal oil/ton.

Drill cutting samples received November 27, 1972; Assays made on air-dried samples

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