

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Chorney Oil Company's Prairie Hen Unit well 1-C drilled in CSE1/4SE1/4
(660 feet N/S 660 feet W/E) of sec 27, T 25 N, R 109 W, Sweetwater County, Wyoming

Surface elevation 6,803 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 ^{1/}	Water		
SBR70-3660-69	0- 150					No Oil			
SBR70-3670	180- 240					No Oil			
SBR70-3671	240- 280					Trace			
SBR70-3672-73	280- 330					c			
SBR70-3674	330- 340					b			
SBR70-3675	360- 380	50273	0.0	4.7	94.5	0.8	Trace	11.1	None
SBR70-3676	380- 390	50274	.0	4.6	94.6	.8	Trace	11.1	None
SBR70-3677	390- 420	50275	1.9	3.4	93.8	.9	4.9a	8.1	None
SBR70-3678	420- 450	50276	5.4	1.2	91.8	1.6	14.0	2.9	0.920
SBR70-3679	480- 490	50277	3.3	1.3	90.7	4.7	8.5a	3.2	None
SBR70-3680	490- 500	50278	2.6	1.6	92.0	3.8	6.7a	3.8	None
SBR70-3681	500- 510	50279	3.8	2.1	92.4	1.7	9.9	5.0	.916
SBR70-3682	510- 540	50280	3.5	2.0	92.2	2.3	9.2	4.7	.918
SBR70-3683	540- 570	50281	3.4	1.4	94.0	1.2	9.0a	3.3	None
SBR70-3684	570- 600	50282	.6	1.5	97.6	.3	1.5a	3.6	None
SBR70-3685	600- 630	50283	1.0	.8	97.0	1.2	2.6a	2.0	None
SBR70-3686	630- 660	50284	1.7	1.5	96.0	.8	4.3a	3.6	None
SBR70-3687	660- 690	50285	1.5	1.1	96.0	1.4	3.9a	2.5	None
SBR70-3688	690- 720	50286	.3	4.4	94.8	.5	.8a	10.5	None
SBR70-3689	720- 750	50287	.1	4.7	94.4	.8	.4a	11.3	None
SBR70-3690-92	750- 840						c		
SBR70-3693	870- 900						c		
SBR70-3694-96	910-1000						c		

^{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 October 7, 1969; Assays made on air-dried samples