

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Chorney Oil Company's Broken Hand Unit well No. 1-10-24-110 drilled in CSE1/4SE1/4 (660 feet N/S 660 feet W/E) of sec 10, T 24 N, R 110 W, Sweetwater County, Wyoming

Surface elevation 6550 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 coke				
Laramie	Their		Oil	Water			Spent shale	Gas + loss	Oil <sup>1/</sup>	Water
SBR70-3599-3603	140-190						No Oil			
SBR70-3604	190-200						Trace			
SBR70-3605-10	200-260						c			
SBR70-3611	270-280	50249	0.2	0.8	97.5	1.5	0.6a	1.9		None
SBR70-3612	280-290	50250	.4	1.1	98.0	.5	.9a	2.7		None
SBR70-3613	290-300	50251	.3	1.1	97.9	.7	.9a	2.7		None
SBR70-3614	300-310	50252	.0	.6	98.7	.7	No Oil	1.4		None
SBR70-3615	310-320	50253	.2	.8	97.7	1.3	.6a	1.8		None
SBR70-3616	320-330	50254	1.5	3.8	93.5	1.2	3.8a	9.1		None
SBR70-3617	330-340	50255	5.7	1.0	90.9	2.4	14.8	2.4	0.921	None
SBR70-3618	340-350	50256	5.6	1.2	91.2	2.0	14.5	3.0	.925	None
SBR70-3619	360-370	50257	4.2	.8	92.6	2.4	10.9	1.8	.921	None
SBR70-3620	370-380	50258	3.2	.8	94.1	1.9	8.3a	1.8		None
SBR70-3621	380-390	50259	3.5	1.0	93.2	2.3	9.1	2.5	.915	None
SBR70-3622	390-400	50260	3.5	1.0	93.8	1.7	9.1	2.5	.916	None
SBR70-3623	400-410	50261	3.4	1.2	94.0	1.4	8.7	2.8	.921	None
SBR70-3624	410-420	50262	4.8	1.2	92.1	1.9	12.6	2.9	.918	None
SBR70-3625	420-430	50263	6.5	1.2	90.2	2.1	17.0	2.9	.915	None
SBR70-3626	430-440	50264	4.4	1.1	92.4	2.1	11.6	2.6	.915	None
SBR70-3627	440-450	50265	2.8	1.0	94.5	1.7	7.2	2.4	.925	None
SBR70-3628	450-460	50266	2.2	1.6	94.6	1.6	5.8	3.8	.921	None
SBR70-3629	460-470	50267	2.7	1.4	94.0	1.9	7.1	3.3	.919	None
SBR70-3630	470-480	50268	2.1	.9	94.8	2.2	5.6a	2.2		None
SBR70-3631	480-490	50269	1.9	1.3	95.1	1.7	4.9a	3.1		None
SBR70-3632	490-500	50270	.9	1.5	96.1	1.5	2.4a	3.6		None
SBR70-3633-34	500-520						Trace			
SBR70-3635	520-530						b			
SBR70-3636-37	530-550						c			
SBR70-3638	550-560						No Oil			
SBR70-3639	570-580	50271	.7	1.0	97.7	.6	1.8a	2.4		None

See footnote at end of table.

Drill cutting samples received September 8, 1969; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Chorney Oil Company's Broken Hand Unit well No. 1-10-24-110 (con.)

Surface elevation 6550 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		Spent shale	Gas + loss			
Laramie	Their		Oil	Water					
SBR70-3640	580- 590	50272	1.0	0.9	96.2	1.9	2.5a	2.1	None
SBR70-3641	590- 600						b		
SBR70-3642	600- 610						No Oil		
SBR70-3643	760- 770						c		
SBR70-3644-45	770- 790						No Oil		
SBR70-3646-47	800- 820						c		
SBR70-3648-49	830- 850						b		
SBR70-3650	850- 860						No Oil		
SBR70-3651-53	870- 900						No Oil		
SBR70-3654	920- 930						b		
SBR70-3655-56	960- 980						No Oil		
SBR70-3657	980- 990						b		
SBR70-3658-59	990-1010						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 September 8, 1969; Assays made on air-dried samples