

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Cameron Engineers, Inc. well 401-2 located in the SE1/4SE1/4 (300 feet N/S, 700 feet W/E) of sec. 32, T 24 N, R 106 W, Sweetwater County Wyoming.

Surface elevation 6575 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	1/ Oil	Water			
SBR73-11474	370-375	87879	0.0	2.2	97.4	0.4	No oil	5.4		None	
SBR73-11475	375-380	87880	0	2.4	97.5	.1	trace	5.6		None	
SBR73-11476	380-385	87881	.4	2.0	96.8	.8	1.1a	4.8		None	
SBR73-11477	385-390	87882	1.4	2.8	95.1	.7	7.2a	6.7		None	
SBR73-11478	390-395	87883	1.6	2.3	94.2	1.9	4.3a	5.5		None	
SBR73-11479	395-400	87884	1.3	2.4	95.4	.9	3.3	5.8		None	
SBR73-11480	400-405	87885	2.2	3.0	93.2	1.6	5.8	7.2	0.900	None	
SBR73-11481	405-410	87886	2.8	2.7	93.4	1.1	7.4	6.5	.910	None	
SBR73-11482	410-415	87887	2.3	2.5	94.0	1.2	6.2	6.0	.908	None	
SBR73-11483	415-420	87888	2.4	2.5	93.8	1.3	6.4a	6.0		None	
SBR73-11484	420-425	87889	5.3	1.0	91.2	2.5	13.6	2.4	.926	None	
SBR73-11485	425-430	87890	7.0	1.5	89.5	2.0	18.3	3.6	.913	None	
SBR73-11486	430-435	87891	8.3	1.7	87.6	2.4	21.9	4.1	.914	None	
SBR73-11487	435-440	87892	6.5	2.2	89.5	1.8	17.1	5.3	.916	None	
SBR73-11488	440-445	87893	4.1	1.5	93.2	1.2	10.8	3.4	.912	None	
SBR73-11489	445-450	87894	3.8	1.7	93.1	1.4	10.0	4.1	.917	None	
SBR73-11490	450-455	87895	5.5	1.8	90.9	1.8	14.5	4.3	.913	None	
SBR73-11491	455-460	87896	8.0	1.9	87.7	2.4	20.8	4.6	.918	None	
SBR73-11492	460-465	87897	4.2	1.3	92.9	1.6	11.0	3.1	.919	None	
SBR73-11493	465-470	87898	7.0	1.3	89.6	2.1	18.3	3.1	.912	None	
SBR73-11494	530-535	87899	6.1	1.2	90.8	1.9	15.9	2.9	.920	None	
SBR73-11495	535-540	87900	3.4	1.0	93.9	1.7	8.9	2.4	.918	None	
SBR73-11496	540-545	87901	3.6	1.0	93.8	1.6	9.2	2.4	.921	None	
SBR73-11497	545-550	87902	3.2	1.0	94.5	1.3	8.3	2.4	.917	None	
SBR73-11498	550-555	87903	5.6	1.2	91.2	2.0	14.7	2.9	.907	None	
SBR73-11499	555-560	87904	3.5	1.2	93.7	1.6	9.1	2.9	.912	None	
SBR73-11500	560-565	87905	3.6	1.6	93.2	1.6	9.5	3.8	.912	None	
SBR73-11501	565-570	87906	2.8	1.4	94.2	1.6	7.4	3.4	.917	None	
SBR73-11502	570-575	87907	5.8	1.0	90.4	2.2	15.2	3.8	.919	None	
SBR73-11503	575-580	87908	5.0	1.6	91.2	2.2	13.1	3.8	.924	None	

See footnote at end of table

Drill cutting samples received August 10, 1972; assays made on air-dried samples.

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Samples from Cameron Engineers, Inc. well 401-2 (con)

Surface elevation 6575 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	1/ Oil	Water		coke		
SBR73-11503	575-580	87908	5.0	1.6	91.2	2.2	13.1	3.8	0.924	None		
SBR73-11504	580-585	87909	3.8	1.5	92.9	1.8	10.0	3.6	.924	None		
SBR73-11505	585-590	87910	7.5	1.7	88.3	2.5	19.7	4.1	.920	None		
SBR73-11506	590-595	87911	9.1	2.3	86.0	2.6	23.6	5.5	.919	None		
SBR73-11507	595-600	87912	4.1	1.7	92.3	1.9	10.7	4.1	.914	None		

1/ "a" indicates specific gravity estimated as 0.92

Core samples received August 10, 1972; assays made on air-dried samples.

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November 8, 1973