

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines, Green River Site 2, Well Q-12 drilled
in SWNWSE, Sec 24, T 18 N, R 107 W, Sweetwater County, Wyoming

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks
			Weight percent		Spent shale	Gas + loss		Gal per ton		
Laramie	Their		Oil	Water					Oil ^{1/}	Water
SBR71-3039	375-376	56978	0.1	2.7	96.7	0.5	0.1a	6.5	None	
SBR71-3040	376-377	56979	.2	2.1	96.6	1.1	.4a	5.2	None	
SBR71-3041	377-378	56980	.1	2.5	96.2	1.2	.3a	6.0	None	
SBR71-3042	378-379	56981	.0	1.5	96.0	2.5	No Oil	3.6	None	
SBR71-3043	379-380	56982	.1	2.9	95.3	1.7	.3a	7.0	None	
SBR71-3044	380-381	56983	.1	2.3	96.0	1.6	.2a	5.5	None	
SBR71-3045	381-382	56984	.2	2.0	97.0	.8	.5a	4.8	None	
SBR71-3046	382-383	56985	3.2	2.2	92.4	2.2	8.4	5.3	0.912	None
SBR71-3047	383-384	56986	6.9	2.5	87.7	2.9	18.0	6.0	.919	None
SBR71-3048	384-385	56987	9.1	1.8	85.7	3.4	23.7	4.3	.922	None
SBR71-3049	385-386	56988	9.2	2.9	84.9	3.0	24.0	7.0	.919	None
SBR71-3050	386-387	56989	10.4	2.5	84.0	3.1	27.4	6.0	.914	None
SBR71-3051	387-388	56990	5.2	2.0	90.6	2.2	13.6	4.8	.923	None
SBR71-3052	388-389	56991	1.2	1.6	96.2	1.0	3.1a	3.8	None	None
SBR71-3053	389-390	56992	.1	2.5	97.0	.4	.2a	6.0	None	None
SBR71-3054	390-391	56993	.3	.7	98.1	.9	.8a	1.7	None	None
SBR71-3055	391-392	56994	2.6	1.6	94.1	1.7	6.9	3.7	.915	None
SBR71-3056	392-393	56995	3.4	1.9	93.3	1.4	8.9	4.6	.913	None
SBR71-3057	393-394	56996	10.4	2.2	84.8	2.6	27.3	5.3	.916	None
SBR71-3058	394-395	56997	9.4	1.9	86.3	2.4	24.8	4.6	.906	None
SBR71-3059	395-396	56998	9.1	1.5	86.4	3.0	23.9	3.6	.907	None
SBR71-3060	396-397	56999	10.7	2.2	82.1	5.0	28.1	5.2	.915	None
SBR71-3061	397-398	57000	7.6	2.5	86.8	3.1	20.0	5.9	.913	None
SBR71-3062	398-399	57001	6.4	1.4	89.9	2.3	16.8	3.4	.905	None
SBR71-3063	399-400	57002	5.3	.8	92.3	1.6	14.0	1.9	.899	None
SBR71-3064	400-401	57003	7.0	1.5	89.6	1.9	18.5	3.6	.904	None
SBR71-3065	401-402	57004	4.8	1.6	90.8	2.8	12.7	3.7	.908	None
SBR71-3066	402-403	57005	4.7	.6	90.6	4.1	12.4	1.4	.913	None
SBR71-3067	403-404	57006	8.9	2.4	84.7	4.0	23.2	5.6	.923	None
SBR71-3068	404-405	57007	9.1	2.9	84.0	4.0	23.6	7.0	.922	None

See footnotes at end of table.

Core samples received March 2, 1971; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples of U.S. Bureau of Mines, Green River Site 2, Well Q-12 (con.)

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks	
			Weight percent		Spent shale	Gas + loss		Gal per ton			Tendency to coke
Laramie	Their		Oil	Water					Oil	Water	
SBR71-3069	405-406	57008	6.8	2.6	87.4	3.2	17.4	6.4	0.929	None	
SBR71-3070	406-407	57009	6.8	2.2	87.2	3.8	17.7	5.3	.927	None	
SBR71-3071	407-408	57010	6.9	1.8	86.8	4.5	17.6	4.3	.936	None	
SBR71-3072	408-409	57011	4.9	2.2	90.0	2.9	12.3	5.3	.946	None	
SBR71-3073	409-410	57012	4.6	2.5	90.0	2.9	11.6	6.0	.945	None	
SBR71-3074	410-411	57013	8.4	3.0	86.0	2.6	21.6	7.2	.928	None	
SBR71-3075	411-412	57014	10.7	2.8	82.9	3.6	27.9	6.7	.922	None	
SBR71-3076	412-413	57015	9.4	2.5	84.9	3.2	24.3	6.0	.928	None	
SBR71-3077	413-414	57016	8.5	2.3	84.2	5.0	21.6	5.5	.938	None	
SBR71-3078	414-415	57017	7.2	1.1	86.9	4.8	18.1	2.6	.951	None	
SBR71-3079	415-416	57018	8.2	2.5	86.1	3.2	20.7	6.0	.946	None	
SBR71-3080	416-417	57019	6.6	2.8	88.2	2.4	16.5	6.7	.952	None	
SBR71-3081	417-418	57020	6.9	1.9	86.1	5.1	17.5	4.6	.943	None	
SBR71-3082	418-419	57021	12.9	2.9	80.4	3.8	33.7	7.0	.918	None	
SBR71-3083	419-420	57022	12.1	2.0	83.2	2.7	31.7	4.8	.913	None	
SBR71-3084	420-421	57023	12.7	2.5	79.7	5.1	33.1	6.0	.917	None	
SBR71-3085	421-422	57024	11.9	2.8	82.9	2.4	31.3	6.7	.912	None	
SBR71-3086	422-423	57025	10.2	3.0	83.8	3.0	26.8	7.2	.912	None	
SBR71-3087	423-424	57026	6.9	2.4	89.1	1.6	17.9	5.8	.916	None	
SBR71-3088	424-425	57027	7.2	2.8	88.2	1.8	18.7	6.7	.923	None	
SBR71-3089	425-426	57028	10.8	2.7	83.8	2.7	28.2	6.5	.920	None	
SBR71-3090	426-427	57029	7.8	2.5	86.9	2.8	20.4	6.0	.917	None	
SBR71-3091	427-428	57030	4.3	2.0	92.1	1.6	11.2	4.8	.918	None	
SBR71-3092	428-429	57031	9.5	1.5	86.8	2.2	25.0	3.6	.911	None	
SBR71-3093	429-430	57032	6.1	2.1	90.1	1.7	16.1	5.0	.909	None	
SBR71-3094	430-431	57033	6.6	1.6	90.5	1.3	17.4	3.8	.907	None	
SBR71-3095	431-432	57034	3.1	1.2	94.2	1.5	8.3	2.8	.905	None	
SBR71-3096	432-433	57035	2.6	1.6	93.7	2.1	6.9	3.8	.909	None	

1/ "a"--indicates specific gravity estimated as 0.92. Oil yields were estimated by a rapid test-tube method: "No Oil".

Core samples received March 2, 1971; Assays made on air-dried samples