

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Washakie Basin Corehole No. 2 drilled in SW1/4SW1/4
(91 feet N/S 395 feet E/W) of sec 6, T 14 N, R 98 W, Sweetwater County, Wyoming

Surface elevation 7,000 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			
SBR71-4122-4222	0.0-1510.0					No Oil				
SBR71-4223	1510.0-1520.0					c				
SBR71-4224-64	1520.0-1950.0					No Oil				
SBR71-4265-66	1930.0-1950.0					Trace				
SBR71-4267-88	1950.0-2170.0					No Oil				
SBR71-4289-90	2170.0-2190.0					c				
SBR71-4291	2190.0-2200.0					Trace				
SBR71-4292-99	2200.0-2280.0					No Oil				
SBR71-4300	2280.0-2290.0	58086	2.1	1.8	95.3	0.8	5.5	4.2	0.925	None
SBR71-4301-03	2290.0-2320.0						No Oil			
SBR71-4305	2330.0-2340.0	58087	.9	1.8	96.8	.5	2.4a	4.2		None
SBR71-4306	2340.0-2350.0	58088	2.1	2.1	95.0	.8	5.4	5.0	.924	None
SBR71-4307	2350.0-2360.0	58089	4.5	1.8	91.8	1.9	11.8	4.3	.916	None
SBR71-4308	2360.0-2370.0	58090	.1	1.5	98.0	.4	.3a	3.6		None
SBR71-4309	2370.0-2380.0	58091	2.8	1.4	94.5	1.3	7.3a	3.4		None
SBR71-4310	2380.0-2390.0	58092	.3	1.5	97.1	1.1	.7a	3.6		None
SBR71-4311	2390.0-2395.0	58093	.6	2.1	96.4	.9	1.5a	5.1		None
SBR71-4312	2395.5-2400.0	58094	.0	1.9	98.0	.1	No Oil	4.6		None
SBR71-4313	2400.0-2404.0	58095	.0	.9	98.9	.2	No Oil	2.2		Start Core
SBR71-4314	2411.0-2415.0	58096	.0	1.2	98.4	.4	No Oil	3.0		None
SBR71-4315	2415.0-2417.4	58097	.0	1.0	97.9	1.1	No Oil	2.3		None
SBR71-4316	2418.0-2420.0	58098	.0	1.6	98.3	.1	No Oil	3.7		None
SBR71-4317	2420.0-2425.0	58099	.0	1.6	98.0	.4	No Oil	3.7		None
SBR71-4318	2425.0-2430.0	58100	.0	1.8	97.8	.4	No Oil	4.3		None
SBR71-4319	2430.0-2432.6	58101	.0	1.9	97.6	.5	No Oil	4.6		None
SBR71-4320	2432.7-2433.8	58103	.0	2.0	97.5	.5	Trace	4.8		None
SBR71-4321	2433.8-2435.1	58104	2.6	2.4	93.9	1.1	6.9a	5.8		None
SBR71-4322	2435.1-2436.5	58105	3.7	1.8	92.6	1.9	9.6a	4.3		None
SBR71-4323	2436.5-2437.8	58106	5.0	2.3	91.0	1.7	12.9	5.5	.936	None
SBR71-4324	2437.8-2438.3	58107	2.4	.7	96.5	.4	6.0	1.7	.946	None

See footnotes at end of table.

Core and drill cutting samples received October 28, 1970; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Washakie Basin Corehole No. 2 (con.)

Surface elevation 7,000 feet

Sample number	Laramie	Their	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	Gal per ton				
				Oil	Water			Oil				Water
SBR71-4325	2438.3-2439.4	58108	13.2	2.5	81.3	3.0	33.3	6.0	0.949	Slight		
SBR71-4326	2439.4-2440.6	58109	.3	3.0	95.4	1.3	Trace	.9		None		
SBR71-4327	2440.6-2445.6	58110	.0	1.4	98.3	.3	No Oil	3.3		None		
SBR71-4328	2445.6-2448.5	58111	.0	2.4	97.5	.1	No Oil	5.8		None		
SBR71-4329	2448.5-2450.0	58112	.4	2.0	97.5	.1	1.1a	4.8		None		
SBR71-4330	2450.0-2455.5	58113	.0	2.1	97.9	.0	No Oil	4.9		None		
SBR71-4331	2455.5-2458.8	58114	.0	1.9	98.0	.1	No Oil	4.7		None		
SBR71-4332	2458.8-2462.8	58115	.0	2.6	96.8	.6	Trace	6.1		None		
SBR71-4333	2462.8-2465.2	58116	.0	1.2	98.7	.1	No Oil	2.9		None		
SBR71-4334	2467.0-2470.2	58117	.0	1.0	98.8	.2	No Oil	2.5		None		
SBR71-4335	2470.2-2471.0	58118	.6	3.1	96.0	.3	1.6a	7.4		None		
SBR71-4336	2471.0-2472.0	58119	4.4	1.5	93.1	1.0	11.6a	3.6		None		
SBR71-4337	2472.0-2473.0	58120	4.7	1.2	92.3	1.8	12.7	2.9	.889	None		
SBR71-4338	2473.0-2474.0	58121	3.4	1.9	92.8	1.9	9.0	4.6	.905	None		
SBR71-4339	2474.0-2475.0	58122	5.5	1.0	91.9	1.6	14.4	2.4	.919	None		
SBR71-4340	2479.4-2480.5	58123	5.1	2.2	90.8	1.9	13.3a	5.3		None		
SBR71-4341	2480.5-2481.5	58124	1.0	1.7	96.0	1.3	2.6a	4.1		None		
SBR71-4342	2481.5-2482.3	58125	.2	4.4	94.4	1.0	.6a	10.5		None		
SBR71-4343	2482.3-2484.4	58126	.0	2.8	97.1	.1	No Oil	6.7		None		
SBR71-4344	2484.4-2485.5	58127	1.8	1.9	94.9	1.4	4.6a	4.6		None		
SBR71-4345	2485.5-2486.3	58128	.3	1.7	97.0	1.0	.8a	4.1		None		
SBR71-4346	2486.3-2487.2	58129	2.4	1.6	95.0	1.0	6.2a	3.8		None		
SBR71-4347	2487.2-2488.2	58130	4.5	1.5	92.2	1.8	11.8	3.6	.909	None		
SBR71-4348	2488.2-2488.9	58131	.7	3.4	94.8	1.1	1.9a	8.1		None		
SBR71-4349	2488.9-2490.3	58132	.0	2.2	97.3	.5	No Oil	5.2		None		
SBR71-4350	2490.3-2491.3	58133	1.1	1.3	95.3	2.3	2.8a	3.1		None		
SBR71-4351	2491.3-2492.3	58134	2.1	2.1	94.5	1.3	5.5	5.0	.909	None		
SBR71-4352	2492.3-2492.8	58135	.4	.7	98.5	.4	1.2a	1.7		None		
SBR71-4353	2492.8-2493.4	58136	2.5	1.9	94.2	1.4	6.6	4.6	.909	None		
SBR71-4354	2494.4-2495.8	58137	2.1	1.9	94.5	1.5	5.6	4.6	.909	None		

See footnote at end of table.

Core and drill cutting samples received October 28, 1970; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Washakie Basin Corehole No. 2 (con.)

Surface elevation 7,000 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				
		Oil	Water	Spent shale	Gas + loss	Oil ^{1/}	Water			
Laramie	Their									
SBR71-4355	2495.8-2498.7	58138	0.0	1.9	97.1	1.0	No Oil	4.6	None	
SBR71-4356	2498.7-2500.8	58139	.0	3.2	96.1	.7	No Oil	7.6	None	
SBR71-4357	2500.8-2504.0	58140	.0	2.9	96.5	.6	Trace	6.8	None	
SBR71-4358	2504.0-2507.0	58141	.0	1.9	96.2	1.9	No Oil	4.6	None	
SBR71-4359	2508.6-2510.0	58142	.0	2.1	96.4	1.5	No Oil	5.1	None	
SBR71-4360	2510.0-2511.4	58143	.0	2.6	95.7	1.7	Trace	6.3	None	
SBR71-4361	2511.4-2512.3	58144	1.2	.9	96.9	1.0	3.1a	2.2	None	
SBR71-4362	2512.3-2513.3	58145	1.3	2.4	94.6	1.7	3.3a	5.8	None	
SBR71-4363	2513.3-2514.5	58146	3.0	1.3	93.9	1.8	7.7a	3.2	None	
SBR71-4364	2514.5-2515.8	58147	.7	2.4	96.0	.9	1.9a	5.6	None	
SBR71-4365	2515.8-2516.8	58148	5.2	1.1	92.0	1.7	13.9	2.6	0.887	
SBR71-4366	2516.8-2517.8	58149	6.9	1.1	90.3	1.7	18.8	2.6	.880	
SBR71-4367	2517.8-2518.5	58150	5.2	1.4	91.4	2.0	13.5a	3.2	None	
SBR71-4368	2518.5-2519.1	58151	.0	2.8	96.4	.8	Trace	6.8	None	
SBR71-4369	2519.1-2520.4	58152	4.1	.9	93.8	1.2	10.9	2.0	.907	
SBR71-4370	2520.4-2521.5	58153	6.7	.8	90.6	1.9	18.2	1.8	.887	
SBR71-4371	2521.5-2522.8	58154	6.9	1.4	89.4	2.3	18.8	3.4	.880	
SBR71-4372	2522.8-2523.8	58155	8.6	1.3	88.0	2.1	22.4a	3.2	None	
SBR71-4373	2523.8-2524.8	58156	10.9	.8	85.5	2.8	28.4a	2.0	None	
SBR71-4374	2524.8-2525.8	58157	7.4	.6	88.6	3.4	19.7	1.4	.898	
SBR71-4375	2525.8-2526.8	58158	2.1	1.0	95.0	1.9	5.5	2.4	.933	
SBR71-4376	2526.8-2527.8	58159	2.3	1.8	95.3	.6	5.8	4.3	.935	
SBR71-4377	2527.8-2528.6	58160	1.6	2.0	95.9	.5	4.1a	4.8	None	
SBR71-4378	2529.5-2531.1	58161	1.5	1.6	95.7	1.2	4.0	3.7	.908	
SBR71-4379	2531.1-2533.6	58162	.0	1.6	97.8	.6	No Oil	3.7	None	
SBR71-4380	2533.6-2535.0	58163	1.3	1.4	96.7	.6	3.4a	3.4	None	
SBR71-4381	2535.0-2536.0	58164	.7	1.4	96.8	1.1	1.7a	3.4	None	
SBR71-4382	2536.0-2537.1	58165	.7	1.4	97.4	.5	1.9a	3.4	None	
SBR71-4383	2537.1-2539.1	58166	.5	.8	98.3	.4	1.2a	1.9	None	
SBR71-4384	2539.1-2540.3	58167	.7	1.4	97.1	.8	1.8a	3.4	None	

See footnote at end of table.

Core and drill cutting samples received October 28, 1970; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Washakie Basin Corehole No. 2 (con.)

Surface elevation 7,000 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					
		Oil	Water	Spent shale	Gas + loss	Oil ^{1/}	Water				
Laramie	Their										
SBR71-4385	58168	2540.3-2541.5	1.4	0.7	97.2	0.7	3.6a	1.7		None	
SBR71-4386	58169	2541.5-2542.5	2.0	.4	96.1	1.5	5.2a	1.0		None	
SBR71-4387	58170	2542.5-2544.0	.7	1.1	97.9	.3	1.7a	2.6		None	
SBR71-4388	58171	2544.0-2545.0	1.0	.9	97.5	.6	2.5a	2.2		None	
SBR71-4389	58172	2545.0-2546.0	1.0	.9	97.2	.9	2.5a	2.3		None	
SBR71-4390	58173	2546.0-2547.6	.4	1.2	98.0	.4	.9a	2.9		None	
SBR71-4391	58174	2547.6-2548.6	1.5	.8	96.9	.8	4.0a	1.8		None	
SBR71-4392	58175	2548.6-2549.6	2.4	1.0	95.2	1.4	6.2a	2.4		None	
SBR71-4393	58176	2549.6-2550.6	3.8	.9	94.4	.9	10.4	2.2	0.868	None	
SBR71-4394	58177	2550.6-2552.2	5.7	.5	92.6	1.2	15.6	1.1	.875	None	
SBR71-4395	58178	2552.2-2553.0	.2	.3	99.4	.1	.5a	.7		None	
SBR71-4396	58179	2553.0-2554.0	5.8	.8	92.0	1.4	15.7	1.9	.879	None	
SBR71-4397	58180	2554.0-2555.0	5.2	.6	93.0	1.2	14.2	1.4	.875	None	
SBR71-4398	58181	2555.0-2555.6	3.8	.5	94.3	1.4	10.5	1.2	.873	None	
SBR71-4399	58182	2555.6-2556.6	2.9	.1	95.8	1.2	7.6a	.2		None	
SBR71-4400	58183	2556.6-2557.6	.8	.8	98.0	.4	2.0a	2.0		None	
SBR71-4401	58184	2557.6-2560.0	.0	1.3	98.6	.1	No Oil	3.2		None	
SBR71-4402	58185	2570.4-2570.8	1.8	.8	96.7	.7	4.6a	1.9		None	
SBR71-4403	58186	2572.5-2573.7	1.9	.5	96.7	.9	5.0a	1.1		None	
SBR71-4404	58187	2573.7-2574.4	1.3	.4	97.6	.7	3.4a	1.0		None	
SBR71-4405	58188	2574.4-2575.3	.0	1.1	98.6	.3	Trace	2.7		None	
SBR71-4406	58189	2575.3-2575.9	.8	1.0	97.5	.7	2.0a	2.4		None	
SBR71-4407	58190	2575.9-2577.7	.0	1.1	98.4	.5	No Oil	2.7		None	
SBR71-4408	58191	2577.7-2579.0	.0	1.4	98.1	.5	No Oil	3.4		None	
SBR71-4409	58192	2644.4-2648.5	.0	1.8	96.9	1.3	Trace	4.4		None	
SBR71-4410	58193	2648.5-2650.2	.4	1.5	96.5	1.6	1.1a	3.6		None	
SBR71-4411	58194	2650.2-2651.2	3.2	1.3	93.6	1.9	8.4a	3.1		None	
SBR71-4412	58195	2651.2-2652.3	6.9	.8	90.1	2.2	18.0a	1.9		None	
SBR71-4413	58196	2652.3-2653.5	6.8	1.3	89.6	2.3	17.6a	3.2		None	
SBR71-4414	58197	2653.5-2654.9	4.6	1.4	92.2	1.8	12.1a	3.2		None	

See footnote at end of table.

Core and drill cutting samples received October 28, 1970; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Washakie Basin Corehole No. 2 (con.)

Surface elevation 7,000 feet

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
		Oil	Water				Oil ^{1/}	Water		
Laramie	Their									
SBR71-4415	2654.9-2656.0	58198	4.0	2.0	91.7	2.3	10.4	4.8	0.915	None
SBR71-4416	2656.0-2657.0	58199	3.7	1.6	92.2	2.5	9.5a	4.0		None
SBR71-4417	2657.0-2658.0	58200	4.8	1.7	91.1	2.4	12.5	4.2	.912	None
SBR71-4418	2658.0-2659.0	58201	3.3	2.3	92.3	2.1	8.5	5.5	.921	None
SBR71-4419	2659.0-2660.0	58202	3.2	2.5	92.6	1.7	8.5	6.0	.909	None
SBR71-4420	2660.0-2661.3	58203	3.1	2.6	92.4	1.9	8.1	6.4	.910	None
SBR71-4421	2661.3-2662.3	58204	2.6	3.2	92.5	1.7	6.7	7.7	.917	None
SBR71-4422	2662.3-2663.7	58205	3.0	1.3	92.9	2.8	7.9	3.1	.917	None
SBR71-4423	2663.7-2665.0	58206	3.8	2.7	91.7	1.8	10.0	6.5	.921	None
SBR71-4424	2665.0-2665.5	58207	6.2	2.4	88.0	3.4	15.8	5.8	.940	None
SBR71-4425	2665.5-2666.2	58208	.6	.5	98.2	.7	1.5a	1.2		None
SBR71-4426	2666.2-2667.7	58209	3.5	2.6	92.3	1.6	9.1	6.2	.910	None
SBR71-4427	2667.7-2668.7	58210	4.8	2.3	90.8	2.1	12.7	5.4	.917	None
SBR71-4428	2668.7-2669.7	58211	2.2	2.4	93.9	1.5	5.7	5.8	.939	None
SBR71-4429	2669.7-2671.0	58212	2.7	2.0	94.1	1.2	6.8	4.8	.935	None
SBR71-4430	2671.0-2672.0	58213	2.5	2.0	94.2	1.3	6.3	4.8	.934	None
SBR71-4431	2672.0-2673.0	58214	2.0	2.2	94.5	1.3	5.2	5.3	.938	None
SBR71-4432	2673.0-2674.0	58215	2.5	2.0	94.6	.9	6.5	4.8	.937	None
SBR71-4433	2674.0-2675.1	58216	2.8	2.4	93.3	1.5	7.1	5.8	.939	None
SBR71-4434	2676.0-2677.0	58217	2.6	2.2	93.6	1.6	6.6	5.3	.935	None
SBR71-4435	2677.0-2678.0	58218	2.8	1.9	94.0	1.3	7.3	4.6	.926	None
SBR71-4436	2678.0-2679.0	58219	2.9	2.6	93.1	1.4	7.4	6.2	.934	None
SBR71-4437	2679.0-2680.0	58220	3.8	2.6	91.8	1.8	9.9	6.2	.928	None
SBR71-4438	2680.0-2681.0	58221	4.2	2.3	92.0	1.5	11.0	5.5	.920	None
SBR71-4439	2681.0-2682.0	58222	4.4	2.0	91.4	2.2	11.6a	4.8		None
SBR71-4440	2682.0-2683.0	58223	3.6	2.1	92.0	2.3	9.3	5.0	.924	None
SBR71-4441	2683.0-2684.0	58224	3.9	2.0	92.4	1.7	10.2	4.8	.914	None
SBR71-4442	2684.0-2684.7	58225	5.5	1.6	91.0	1.9	14.7	3.8	.901	None
SBR71-4443	2684.7-2685.0	58226	1.8	3.4	93.5	1.3	4.6a	8.1		None
SBR71-4444	2685.0-2686.2	58227	9.6	2.0	85.6	2.8	25.3	4.8	.905	None

See footnote at end of table.

Core and drill cutting samples received October 28, 1970; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Washakie Basin Corehole No. 2 (con.)

Surface elevation 7,000 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							
		Oil	Water	Spent shale	Gas + loss				Oil ^{1/}	Water	
Laramie	Their										
SBR71-4445	2686.2-2687.0	58228	5.1	1.1	92.1	1.7	13.3	2.6	0.921	None	
SBR71-4446	2687.0-2688.0	58229	3.7	.6	92.7	3.0	9.5	1.6	.925	None	
SBR71-4447	2688.0-2689.0	58230	4.3	1.6	92.4	1.7	11.1	3.8	.923	None	
SBR71-4448	2689.0-2690.3	58231	6.1	2.4	89.4	2.1	16.3	5.8	.901	None	
SBR71-4449	2690.3-2691.8	58232	5.9	2.0	90.4	1.7	15.5	4.8	.910	None	
SBR71-4450	2691.8-2692.8	58233	4.5	1.5	91.6	2.4	11.8	3.6	.922	None	
SBR71-4451	2692.8-2694.0	58234	6.4	1.6	90.3	1.7	16.7	3.8	.917	None	
SBR71-4452	2694.0-2695.0	58235	5.4	1.4	91.6	1.6	14.0	3.4	.919	None	
SBR71-4453	2695.0-2696.0	58236	4.5	1.3	92.7	1.5	11.7	3.1	.928	None	
SBR71-4454	2696.0-2697.0	58237	4.0	1.5	93.6	.9	10.3	3.6	.927	None	
SBR71-4455	2697.0-2698.0	58238	3.4	2.0	93.4	1.2	8.8	4.8	.925	None	
SBR71-4456	2698.0-2699.0	58239	4.0	2.0	92.9	1.1	10.3	4.8	.925	None	
SBR71-4457	2699.0-2700.7	58240	3.5	2.3	92.6	1.6	9.1	5.5	.921	None	
SBR71-4458	2700.7-2701.7	58241	5.4	1.7	90.5	2.4	14.1	4.1	.909	None	
SBR71-4459	2701.7-2702.2	58242	5.9	1.3	90.7	2.1	15.3	3.1	.925	None	
SBR71-4460	2702.2-2703.2	58243	5.3	2.5	89.7	2.5	13.8	6.0	.925	None	
SBR71-4461	2703.2-2704.7	58244	5.1	2.4	90.8	1.7	13.2	5.8	.920	None	
SBR71-4462	2704.7-2705.7	58245	5.5	2.7	90.0	1.8	14.3	6.5	.921	None	
SBR71-4463	2705.7-2706.7	58246	4.9	2.5	90.2	2.4	12.7	6.0	.925	None	
SBR71-4464	2706.7-2707.0	58247	.0	5.2	92.3	2.5	No Oil	12.4		None	
SBR71-4465	2707.0-2708.0	58248	5.2	2.1	91.1	1.6	13.4	5.0	.925	None	
SBR71-4466	2708.0-2709.4	58249	5.6	2.0	90.4	2.0	14.7	4.8	.923	None	
SBR71-4467	2709.4-2710.4	58250	4.7	1.3	92.5	1.5	12.3	3.0	.918	None	
SBR71-4468	2710.4-2711.2	58251	7.4	1.9	88.9	1.8	19.3a	4.4		None	
SBR71-4469	2711.2-2712.2	58252	3.2	2.7	92.7	1.4	8.2	6.5	.945	None	
SBR71-4470	2712.2-2713.2	58253	2.4	1.3	94.0	2.3	6.4	3.1	.909	None	
SBR71-4471	2713.2-2714.2	58254	1.4	1.8	95.0	1.8	3.6a	4.3		None	
SBR71-4472	2714.2-2715.2	58255	2.4	2.6	93.3	1.7	6.3	6.2	.928	None	
SBR71-4473	2715.2-2716.7	58256	2.4	2.3	93.1	2.2	6.2	5.6	.927	None	
SBR71-4474	2716.7-2717.7	58257	2.2	2.4	94.2	1.2	5.8	5.8	.928	None	

See footnote at end of table.

Core and drill cutting samples received October 28, 1970; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Washakie Basin Corehole No. 2 (con.)

Surface elevation 7,000 feet

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
SBR71-4475	2717.7-2718.7	58258	2.8	1.8	93.1	2.3	7.2	4.3	0.926	None
SBR71-4476	2719.0-2720.0	58259	3.6	2.0	92.2	2.2	9.2	4.8	.934	None
SBR71-4477	2720.0-2721.5	58260	2.4	2.1	93.8	1.7	6.3	5.0	.930	None
SBR71-4478	2721.5-2722.7	58261	3.7	1.8	92.9	1.6	9.5	4.3	.926	None
SBR71-4479	2722.7-2723.7	58262	4.4	1.5	91.9	2.2	11.4	3.6	.934	None
SBR71-4480	2723.7-2724.7	58263	3.7	1.7	93.1	1.5	9.5	4.0	.937	None
SBR71-4481	2724.7-2725.7	58264	2.4	1.5	94.4	1.7	6.1	3.6	.943	None
SBR71-4482	2725.7-2726.7	58265	1.7	1.1	94.9	2.3	4.3a	2.8		None
SBR71-4483	2726.7-2727.7	58266	2.4	1.5	94.0	2.1	6.3	3.6	.935	None
SBR71-4484	2727.7-2728.7	58267	2.8	1.5	94.3	1.4	7.2	3.5	.931	None
SBR71-4485	2728.7-2729.7	58268	3.4	1.8	93.4	1.4	8.7	4.3	.923	None
SBR71-4486	2729.7-2730.7	58269	3.7	1.5	92.8	2.0	9.6	3.6	.925	None
SBR71-4487	2730.7-2731.7	58270	3.2	1.5	93.5	1.8	8.4	3.6	.928	None
SBR71-4488	2731.7-2732.7	58271	4.3	1.1	92.2	2.4	10.9	2.6	.943	None
SBR71-4489	2732.7-2733.7	58272	2.6	1.2	94.2	2.0	6.7	2.9	.932	None
SBR71-4490	2733.7-2735.5	58273	4.1	2.4	90.5	3.0	10.8	5.8	.918	None
SBR71-4491	2735.5-2736.5	58274	5.4	2.0	90.7	1.9	14.1	4.9	.914	None
SBR71-4492	2736.5-2737.5	58275	8.0	2.0	87.8	2.2	20.9	4.8	.922	None
SBR71-4493	2737.5-2738.8	58276	10.6	2.3	83.4	3.7	27.1	5.6	.935	None
SBR71-4494	2738.8-2739.4	58277	1.3	1.1	96.9	1.7	3.3a	.2		None
SBR71-4495	2739.4-2739.9	58278	12.3	2.4	81.4	3.9	31.5	5.6	.936	None
SBR71-4496	2739.9-2740.9	58279	8.6	2.7	85.9	2.8	22.2	6.4	.930	None
SBR71-4497	2740.9-2741.9	58280	7.9	2.4	87.0	2.7	20.3	5.9	.931	None
SBR71-4498	2741.9-2743.8	58282	2.8	3.0	91.8	2.4	7.4a	7.2		None
SBR71-4499	2743.8-2744.8	58283	3.9	2.1	91.4	2.6	10.1	5.0	.921	None
SBR71-4500	2744.8-2746.0	58284	3.5	1.6	92.8	2.1	9.1	3.8	.915	None
SBR71-4501	2746.0-2747.0	58285	3.8	2.0	92.1	2.1	9.8	4.8	.925	None
SBR71-4502	2747.0-2748.0	58286	4.2	1.8	91.5	2.5	10.8	4.3	.929	None
SBR71-4503	2748.0-2749.0	58287	3.8	1.5	92.7	2.0	9.8	3.6	.935	None
SBR71-4504	2749.0-2750.0	58288	4.0	1.9	91.8	2.3	10.2	4.6	.932	None

See footnote at end of table.

Core and drill cutting samples received October 28, 1970; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Washakie Basin Corehole No. 2 (con.)

Surface elevation 7,000 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 ^{1/}
SBR71-4505	2750.0-2751.0	58289	3.7	1.8	91.7	2.8	9.5	4.3	0.929	None
SBR71-4506	2751.0-2752.0	58290	3.5	1.3	92.5	2.7	8.9	3.1	.932	None
SBR71-4507	2752.0-2753.0	58291	3.4	1.7	92.3	2.6	8.7	4.1	.936	None
SBR71-4508	2753.0-2754.0	58292	3.4	1.7	91.4	3.5	8.6	4.1	.941	None
SBR71-4509	2754.0-2755.0	58293	3.8	2.0	91.9	2.3	9.8	4.8	.930	None
SBR71-4510	2755.0-2756.0	58294	3.7	2.3	92.0	2.0	9.5	5.5	.925	None
SBR71-4511	2756.0-2757.0	58295	3.8	2.3	92.1	1.8	9.9	5.4	.925	None
SBR71-4512	2757.0-2758.0	58296	3.7	2.2	92.3	1.8	9.9	5.3	.906	None
SBR71-4513	2758.0-2759.0	58297	4.1	2.5	92.3	1.1	10.8	6.0	.900	None
SBR71-4514	2759.0-2760.0	58298	4.5	2.1	91.4	2.0	12.0	5.0	.905	None
SBR71-4515	2760.0-2761.0	58299	4.1	1.8	92.2	1.9	10.8	4.3	.911	None
SBR71-4516	2761.0-2762.0	58300	4.1	1.9	91.3	2.7	10.7	4.6	.917	None
SBR71-4517	2762.0-2763.0	58301	3.1	1.0	93.5	2.4	8.2	2.4	.914	None
SBR71-4518	2763.0-2764.0	58302	3.3	2.1	93.3	1.3	8.7	5.0	.908	None
SBR71-4519	2764.0-2765.0	58303	3.1	2.4	93.0	1.5	8.0	5.8	.933	None
SBR71-4520	2765.0-2766.0	58304	2.8	2.4	93.3	1.5	7.3	5.6	.931	None
SBR71-4521	2766.0-2767.0	58305	3.5	1.5	93.4	1.6	9.2a	3.5		None
SBR71-4522	2767.0-2768.0	58306	4.2	1.8	91.8	2.2	10.8	4.3	.921	None
SBR71-4523	2768.0-2769.0	58307	3.4	2.1	92.2	2.3	8.8	5.0	.909	None
SBR71-4524	2769.0-2770.0	58308	2.9	1.7	91.9	3.5	7.6	4.1	.924	None
SBR71-4525	2770.0-2771.2	58309	3.5	3.0	91.9	1.6	9.0	7.2	.919	None
SBR71-4526	2771.2-2772.6	58310	2.5	1.7	93.6	2.2	6.5a	4.1		None
SBR71-4527	2772.6-2774.0	58311	3.0	1.7	93.2	2.1	7.7	4.1	.925	None
SBR71-4528	2774.0-2775.0	58312	3.2	2.2	92.2	2.4	8.2a	5.3		None
SBR71-4529	2775.0-2776.0	58313	2.4	1.3	94.9	1.4	6.2	3.1	.926	None
SBR71-4530	2776.0-2777.0	58314	3.0	1.8	93.3	1.9	7.8	4.3	.924	None
SBR71-4531	2777.0-2778.0	58315	3.0	2.0	92.9	2.1	7.8	4.8	.911	None
SBR71-4532	2778.0-2779.0	58316	3.0	1.8	92.9	2.3	7.8	4.3	.924	None
SBR71-4533	2779.0-2780.5	58317	3.2	2.0	92.6	2.2	8.2	4.8	.925	None
SBR71-4534	2780.5-2781.8	58318	2.9	1.8	93.7	1.6	7.2	4.3	.956	None

See footnote at end of table.

Core and drill cutting samples received October 28, 1970; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Washakie Basin Corehole No. 2 (con.)

Surface elevation 7,000 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			
		Oil	Water	Spent shale	Gas + loss		Oil ^{1/}	Water		coke
Laramie	Their									
SBR71-4535	58319	2.7	1.7	93.4	2.2	7.0	4.1	0.940	None	
SBR71-4536	58320	3.2	1.9	93.0	1.9	8.4	4.6	.926	None	
SBR71-4537	58321	3.5	1.9	93.2	1.4	9.1	4.7	.921	None	
SBR71-4538	58322	4.6	1.9	91.8	1.7	12.1	4.6	.916	None	
SBR71-4539	58323	7.6	1.5	89.1	1.8	20.3	3.6	.902	None	
SBR71-4540	58324	4.2	1.4	93.0	1.4	10.9	3.4	.925	None	
SBR71-4541	58325	4.9	1.3	92.0	1.8	12.7	3.1	.923	None	
SBR71-4542	58326	2.3	.8	95.7	1.2	6.0	1.8	.925	None	
SBR71-4543	58327	4.3	1.6	92.5	1.6	11.1	4.0	.923	None	
SBR71-4544	58328	4.9	2.4	90.9	1.8	12.8	5.9	.910	None	
SBR71-4545	58329	.0	6.8	92.7	.5	Trace	16.3		None	0.3 ft. missing
SBR71-4546	58330	6.4	1.6	89.4	2.6	16.7	3.8	.915	None	
SBR71-4547	58331	5.4	2.1	89.8	2.7	14.1	5.0	.914	None	
SBR71-4548	58332	2.4	1.8	93.7	2.1	6.3	4.3	.919	None	
SBR71-4549	58333	3.7	2.5	90.9	2.9	9.8	6.0	.905	None	
SBR71-4550	58334	2.8	2.4	92.6	2.2	7.1	5.8	.927	None	
SBR71-4551	58335	2.2	1.6	94.7	1.5	5.7	3.8	.916	None	
SBR71-4552	58336	2.0	1.8	94.6	1.6	5.1a	4.4		None	
SBR71-4553	58337	1.4	1.5	95.5	1.6	3.6a	3.7		None	
SBR71-4554	58338	1.4	1.7	95.1	1.8	3.6a	4.2		None	
SBR71-4555	58339	1.1	3.9	93.0	2.0	2.8a	9.3		None	
SBR71-4556	58340	3.8	2.4	92.0	1.8	10.0	5.8	.900	None	
SBR71-4557	58341	1.2	4.2	92.6	2.0	3.2a	10.1		None	
SBR71-4558	58342	5.8	2.2	89.1	2.9	15.2a	5.2		None	
SBR71-4559	58343	2.9	1.9	93.1	2.1	7.5	4.6	.919	None	
SBR71-4560	58344	1.7	1.2	94.8	2.3	4.4a	3.0		None	
SBR71-4561	58345	1.9	2.0	94.7	1.4	5.0a	4.8		None	
SBR71-4562	58346	1.9	2.1	94.6	1.4	5.0a	5.0		None	
SBR71-4563	58347	3.4	1.9	93.0	1.7	8.9	4.6	.918	None	
SBR71-4564	58348	7.6	1.9	89.0	1.5	20.1	4.6	.913	None	

See footnote at end of table.

Core and drill cutting samples received October 28, 1970; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Washakie Basin Corehole No. 2 (con.)

Surface elevation 7,000 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				
		Oil	Water	Spent shale	Gas + loss						
Laramie	Their										
SBR71-4565	2813.5-2814.5	58349	2.5	0.9	95.3	1.3	6.5	2.0	0.928	None	
SBR71-4566	2814.5-2816.0	58350	1.9	1.9	93.9	2.3	5.1a	4.6		None	
SBR71-4567	2816.0-2817.0	58351	3.7	1.9	92.7	1.7	9.8	4.4	.910	None	
SBR71-4568	2817.0-2818.0	58352	3.5	1.9	93.0	1.6	9.2	4.6	.901	None	
SBR71-4569	2818.0-2819.0	58353	4.0	1.9	92.0	2.1	10.6	4.4	.909	None	
SBR71-4570	2819.0-2820.0	58354	4.1	1.5	91.5	2.9	10.7	3.6	.923	None	
SBR71-4571	2820.0-2821.0	58355	4.6	1.9	90.9	2.6	11.9	4.6	.918	None	
SBR71-4572	2821.0-2822.0	58356	7.2	1.8	88.3	2.7	19.2	4.3	.903	None	
SBR71-4573	2822.0-2823.0	58357	8.0	1.8	89.1	1.1	21.0	4.3	.912	None	
SBR71-4574	2823.0-2824.3	58358	5.7	1.6	89.9	2.8	14.8	3.8	.914	None	
SBR71-4575	2824.3-2825.6	58359	8.0	2.0	87.8	2.2	21.1	4.8	.902	None	
SBR71-4576	2825.6-2827.1	58360	5.0	2.1	91.1	1.8	13.2	5.0	.906	None	
SBR71-4577	2827.1-2828.1	58361	6.0	2.0	89.5	2.5	15.8	4.8	.911	None	
SBR71-4578	2828.1-2829.8	58362	2.7	1.3	94.3	1.7	7.1	3.1	.919	None	
SBR71-4579	2829.8-2830.4	58363	2.6	1.1	94.7	1.6	6.6	2.6	.936	None	
SBR71-4580	2830.4-2831.0	58364	3.8	2.1	92.3	1.8	9.9	5.0	.917	None	
SBR71-4581	2831.0-2832.0	58365	3.0	1.7	94.2	1.1	7.7	4.1	.923	None	
SBR71-4582	2832.0-2833.0	58366	2.8	1.7	93.7	1.8	7.4	4.1	.926	None	
SBR71-4583	2833.0-2834.0	58367	2.7	2.0	93.6	1.7	7.1	4.8	.920	None	
SBR71-4584	2834.0-2835.0	58368	2.5	3.0	92.8	1.7	6.6	7.2	.921	None	
SBR71-4585	2835.0-2836.0	58369	2.8	1.6	94.0	1.6	7.4	3.8	.918	None	
SBR71-4586	2836.0-2837.4	58370	4.6	1.8	92.1	1.5	11.9	4.3	.922	None	
SBR71-4587	2837.4-2838.5	58371	5.3	2.0	90.6	2.1	13.8	4.8	.920	None	
SBR71-4588	2838.5-2839.5	58372	17.1	2.0	76.5	4.4	43.5	4.8	.940	None	
SBR71-4589	2839.5-2840.5	58373	15.6	1.0	78.2	5.2	39.6	2.4	.943	None	
SBR71-4590	2840.5-2841.5	58374	12.1	1.4	83.4	3.1	30.8	3.4	.941	None	
SBR71-4591	2841.5-2842.5	58375	14.6	2.5	79.6	3.3	37.4	6.0	.936	None	
SBR71-4592	2842.5-2843.7	58376	3.6	2.0	93.1	1.3	9.4	4.8	.917	None	
SBR71-4593	2843.7-2844.7	58377	2.4	1.0	94.8	1.8	6.2	2.4	.918	None	
SBR71-4594	2844.7-2846.0	58378	3.8	2.1	92.0	2.1	10.1	5.0	.915	None	

See footnote at end of table.

Core and drill cutting samples received October 28, 1970; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Washakie Basin Corehole No. 2 (con.)

Surface elevation 7,000 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		
Laramie	Their		Oil	Water	Spent shale	Gas + loss	Oil	Water	coke	
SBR71-4595	2846.0-2847.0	58379	3.5	2.3	92.3	1.9	9.2	5.4	None	
SBR71-4596	2847.0-2848.0	58380	2.2	1.6	94.0	2.2	5.6	3.8	None	
SBR71-4597	2848.0-2849.0	58381	3.0	1.6	93.1	2.3	7.8	3.8	None	
SBR71-4598	2849.0-2850.0	58382	3.3	2.3	92.8	1.6	8.7	5.4	None	
SBR71-4599	2850.0-2851.0	58383	4.5	1.8	92.9	.8	11.7	4.2	None	
SBR71-4600	2851.0-2852.0	58384	4.1	1.6	92.0	2.3	10.6	3.8	None	
SBR71-4601	2852.0-2853.0	58385	4.1	.8	92.4	2.7	10.6	2.0	None	
SBR71-4602	2853.0-2854.0	58386	5.5	1.7	90.1	2.7	14.4	4.0	None	
SBR71-4603	2854.0-2855.0	58387	5.5	1.7	90.6	2.2	14.5	4.1	None	
SBR71-4604	2855.0-2856.0	58388	6.1	1.6	90.2	2.1	15.9	3.8	None	
SBR71-4605	2856.0-2857.0	58389	7.0	1.7	89.1	2.2	18.4	4.0	None	
SBR71-4606	2857.0-2858.0	58390	5.7	1.6	90.2	2.5	15.1	3.7	None	
SBR71-4607	2858.0-2859.0	58391	5.0	1.6	90.6	2.8	13.3	3.8	None	
SBR71-4608	2859.0-2860.0	58392	6.3	1.6	89.6	2.5	16.7	3.8	None	
SBR71-4609	2860.0-2861.1	58393	5.8	1.3	90.5	2.4	15.3	3.2	None	
SBR71-4610	2861.1-2862.5	58394	6.3	1.6	89.6	2.5	16.4	3.8	None	
SBR71-4611	2862.5-2863.8	58395	5.6	1.7	90.5	2.2	14.4	4.2	None	
SBR71-4612	2863.8-2864.8	58396	6.1	1.5	90.0	2.4	15.9	3.6	None	
SBR71-4613	2864.8-2865.8	58397	5.6	.8	90.0	3.6	14.4	2.0	None	
SBR71-4614	2865.8-2866.8	58398	5.3	1.5	89.6	3.6	13.8	3.6	None	
SBR71-4615	2866.8-2867.8	58399	4.3	1.3	92.2	2.2	11.0	3.2	None	
SBR71-4616	2867.8-2868.8	58400	6.4	1.5	89.7	2.4	16.7	3.5	None	
SBR71-4617	2868.8-2870.3	58401	4.7	1.7	91.3	2.3	12.2	4.1	None	
SBR71-4618	2870.3-2871.3	58402	5.7	1.5	90.1	2.7	14.7	3.6	None	
SBR71-4619	2871.3-2872.3	58403	4.4	1.5	92.1	2.0	11.4	3.6	None	
SBR71-4620	2872.3-2873.3	58404	4.8	1.9	91.3	2.0	12.3	4.6	None	
SBR71-4621	2873.3-2874.3	58405	5.3	1.7	90.9	2.1	13.6	4.1	None	
SBR71-4622	2874.3-2875.2	58406	4.0	1.7	92.5	1.8	10.5	4.1	None	
SBR71-4623	2875.2-2876.1	58407	5.8	1.6	90.5	2.1	15.2	3.8	None	
SBR71-4624	2876.1-2877.4	58408	8.7	1.0	87.8	2.5	23.0	2.4	None	

Core and drill cutting samples received October 28, 1970; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Washakie Basin Corehole No. 2 (con.)

Surface elevation 7,000 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/}
SBR71-4625	2877.4-2878.8	58409	7.2	0.9	89.4	2.5	19.1	2.2	0.898	None	
SBR71-4626	2878.8-2880.0	58410	14.5	1.6	80.1	3.8	37.6	3.8	.924	None	
SBR71-4627	2880.0-2881.5	58411	14.4	1.8	80.4	3.4	37.2	4.3	.924	None	
SBR71-4628	2881.5-2882.9	58412	10.1	1.4	86.1	2.4	26.8	3.4	.898	None	
SBR71-4629	2882.9-2884.1	58413	11.2	1.5	84.9	2.4	29.6	3.6	.903	None	
SBR71-4630	2884.1-2885.6	58414	9.0	1.8	86.3	2.9	23.7	4.2	.914	None	
SBR71-4631	2885.6-2887.0	58415	8.6	2.0	86.6	2.8	22.5	4.8	.918	None	
SBR71-4632	2887.0-2888.4	58416	8.0	1.4	88.1	2.5	21.2	3.5	.902	None	
SBR71-4633	2888.4-2889.4	58417	9.3	1.9	86.2	2.6	24.3	4.6	.920	None	
SBR71-4634	2889.4-2890.4	58418	8.9	1.6	87.0	2.5	23.1	4.0	.918	None	
SBR71-4635	2890.4-2891.4	58419	7.1	1.2	90.0	1.7	18.8	2.9	.905	None	
SBR71-4636	2891.4-2892.4	58420	7.6	.9	89.6	1.9	19.8	2.3	.918	None	
SBR71-4637	2892.4-2893.4	58421	9.2	.5	89.0	1.3	24.2	1.3	.910	None	
SBR71-4638	2893.4-2894.4	58422	9.3	1.4	86.7	2.6	24.7	3.4	.904	None	
SBR71-4639	2894.4-2895.8	58423	8.8	1.6	87.1	2.5	23.0	3.8	.917	None	
SBR71-4640	2895.8-2896.8	58424	7.7	2.0	88.0	2.3	20.0	4.8	.917	None	
SBR71-4641	2896.8-2897.8	58425	7.3	1.9	88.5	2.3	19.2	4.4	.918	None	
SBR71-4642	2897.8-2899.0	58426	8.2	1.2	87.7	2.9	21.3	2.9	.926	None	
SBR71-4643	2899.0-2900.0	58427	9.4	1.6	85.8	3.2	24.2	3.8	.925	None	
SBR71-4644	2900.0-2901.2	58428	10.5	1.4	85.8	2.3	28.0	3.2	.898	None	
SBR71-4645	2901.2-2902.6	58429	9.6	1.0	86.7	2.7	25.3	2.4	.912	None	
SBR71-4646	2902.6-2903.6	58430	8.7	1.0	87.2	3.1	23.0	2.4	.905	None	
SBR71-4647	2903.6-2904.6	58431	11.0	1.1	84.9	3.0	29.2	2.6	.903	None	
SBR71-4648	2904.6-2906.1	58432	8.8	2.1	86.5	2.6	23.2	5.2	.906	None	
SBR71-4649	2906.1-2907.2	58433	5.4	2.0	89.5	3.1	14.2	4.8	.916	None	
SBR71-4650	2907.2-2908.2	58434	3.0	1.9	92.8	2.3	7.9	4.6	.919	None	
SBR71-4651	2908.2-2909.4	58435	.8	2.4	94.7	2.1	2.0a	5.8		None	
SBR71-4652	2909.4-2911.1	58436	9.2	1.8	86.5	2.5	24.2	4.2	.913	None	
SBR71-4653	2911.1-2912.1	58437	1.1	2.4	95.1	1.4	2.9a	5.8		None	
SBR71-4654	2912.1-2913.3	58438	.8	2.1	95.3	1.8	2.0a	5.0		None	

See footnote at end of table.

Core and drill cutting samples received October 28, 1970; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Washakie Basin Corehole No. 2 (con.)

Surface elevation 7,000 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		
Laramie	Their	Oil	Water	Spent shale	Gas + loss	Oil ^{1/}	Water	coke	
SBR71-4655	2913.3-2914.3	58439	0.7	2.6	93.7	3.0	1.7a	6.2	None
SBR71-4656	2914.3-2915.3	58440	1.3	2.7	93.8	2.2	3.3a	6.5	None
SBR71-4657	2915.3-2916.5	58441	.5	2.8	95.5	1.2	1.3a	6.6	None
SBR71-4658	2916.5-2917.5	58442	.4	2.5	95.8	1.3	1.2a	6.0	None
SBR71-4659	2917.5-2918.5	58443	1.5	2.1	95.0	1.4	3.8a	5.0	None
SBR71-4660	2918.5-2919.5	58444	7.2	.5	89.9	2.4	19.0	1.3	0.909
SBR71-4661	2919.5-2920.5	58445	6.6	1.0	89.0	3.4	17.3	2.4	.907
SBR71-4662	2920.5-2921.5	58446	8.9	1.1	87.2	2.8	23.7	2.6	.902
SBR71-4663	2921.5-2922.5	58447	9.8	1.2	86.4	2.6	26.2	2.9	.901
SBR71-4664	2922.5-2923.5	58448	7.2	1.8	88.4	2.6	19.2	4.3	.903
SBR71-4665	2923.5-2924.5	58449	7.3	1.7	88.0	3.0	19.3	4.0	.910
SBR71-4666	2924.5-2925.5	58450	6.9	1.7	88.0	3.4	17.4	4.1	.945
SBR71-4667	2925.5-2926.5	58451	6.7	2.2	88.7	2.4	17.0	5.3	.942
SBR71-4668	2926.5-2927.5	58452	5.0	1.2	91.4	2.4	13.0	2.9	.928
SBR71-4669	2927.5-2928.5	58453	7.8	1.7	88.6	1.9	20.2	4.1	.921
SBR71-4670	2928.5-2929.5	58454	6.8	1.5	89.2	2.5	18.2	3.6	.900
SBR71-4671	2929.5-2930.5	58455	8.3	1.3	88.1	2.3	21.9	3.1	.906
SBR71-4672	2930.5-2931.6	58456	6.5	1.3	90.1	2.1	17.1	3.1	.910
SBR71-4673	2931.6-2932.6	58457	4.9	.9	92.0	2.2	13.0	2.2	.897
SBR71-4674	2932.6-2933.0	58458	6.2	3.4	89.2	1.2	16.2a	8.1	None
SBR71-4675	2933.0-2934.3	58459	6.2	1.5	90.3	2.0	16.4	3.6	.904
SBR71-4676	2934.3-2935.3	58460	10.8	1.6	84.2	3.4	27.6	3.8	.933
SBR71-4677	2935.3-2936.3	58462	6.6	1.7	89.4	2.3	16.8	4.1	.936
SBR71-4678	2936.3-2937.3	58463	7.4	1.4	87.9	3.3	19.0	3.4	.935
SBR71-4679	2937.3-2938.3	58464	7.2	1.7	89.3	1.8	18.5	4.1	.927
SBR71-4680	2938.3-2939.3	58465	6.3	1.0	90.9	1.8	16.2	2.4	.929
SBR71-4681	2939.3-2940.3	58466	5.7	1.2	91.2	1.9	14.9	2.9	.919
SBR71-4682	2940.3-2941.8	58467	4.8	1.1	92.7	1.4	12.8	2.6	.904
SBR71-4683	2941.8-2942.9	58468	9.2	1.0	87.7	2.1	24.4	2.3	.906
SBR71-4684	2942.9-2944.5	58469	7.4	1.0	89.6	2.0	19.5	2.4	.910

See footnote at end of table.

Core and drill cutting samples received October 28, 1970; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Washakie Basin Corehole No. 2 (con.)

Surface elevation 7,000 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				
Laramie	Their	Oil	Water	Spent shale	Gas + loss	Oil ^{1/}	Water	coke			
SBR71-4685	2944.5-2945.5	58470	5.1	1.1	92.1	1.7	13.5	2.6	0.907	None	
SBR71-4686	2945.5-2946.8	58471	6.8	1.4	89.8	2.0	18.0	3.4	.899	None	
SBR71-4687	2946.8-2948.3	58472	10.0	.5	86.5	3.0	26.1	1.2	.918	None	
SBR71-4688	2948.3-2949.8	58473	10.9	.8	85.6	2.7	28.6	1.9	.911	None	
SBR71-4689	2949.8-2950.8	58474	8.5	.8	88.1	2.6	22.4	1.8	.910	None	
SBR71-4690	2950.8-2951.8	58475	13.9	.8	81.5	3.8	36.9	2.0	.902	None	
SBR71-4691	2951.8-2952.8	58476	12.7	1.0	83.2	3.1	34.1	2.4	.896	None	
SBR71-4692	2952.8-2953.8	58477	4.3	.7	93.3	1.7	11.2a	1.8		None	
SBR71-4693	2953.8-2954.8	58478	4.7	.5	93.2	1.6	12.2a	1.3		None	
SBR71-4694	2954.8-2955.8	58479	4.2	.8	93.9	1.1	11.0a	1.8		None	
SBR71-4695	2955.8-2956.3	58480	5.6	.7	91.7	2.0	14.9	1.7	.898	None	
SBR71-4696	2956.3-2957.6	58481	9.3	.7	87.1	2.9	24.8	1.8	.897	None	
SBR71-4697	2957.6-2958.2	58482	9.4	1.5	87.1	2.0	24.9	3.6	.901	None	
SBR71-4698	2958.2-2959.2	58483	1.9	1.5	95.4	1.2	4.8a	3.6		None	Top buff marker
SBR71-4699	2959.2-2962.0	58484	.3	2.1	97.2	.4	.7a	5.0		None	
SBR71-4700	2962.0-2967.0	58485	.7	1.6	96.9	.8	1.8a	3.8		None	
SBR71-4701	2967.0-2970.0	58486	1.0	.8	96.6	.6	2.6a	4.3		None	
SBR71-4702	2970.0-2975.0	58487	.0	1.8	97.7	.5	Trace	4.3		None	
SBR71-4703	2975.0-2980.0	58488	.0	1.6	97.9	.5	Trace	3.9		None	
SBR71-4704	2980.0-2990.0	58489	.2	2.0	96.4	1.4	.5a	4.8		None	
SBR71-4705	2990.0-3000.0	58490	.2	1.8	97.6	.4	.6a	4.3		None	
SBR71-4706	3000.0-3010.0	58491	.0	1.7	98.0	.3	Trace	4.1		None	
SBR71-4707	3010.0-3020.0	58492	.4	1.9	97.2	.5	1.0a	4.6		None	
SBR71-4708	3020.0-3025.0	58493	.3	1.3	96.2	2.2	.7a	3.1		None	
SBR71-4709	3025.0-3027.4	58494	.9	2.0	96.1	1.0	2.3a	4.8		None	
SBR71-4710	3027.4-3029.4	58495	1.7	1.3	96.1	.9	4.4a	3.1		None	
SBR71-4711	3029.6-3031.0	58496	2.7	1.1	95.3	.9	7.0a	2.6		None	
SBR71-4712	3031.0-3032.0	58497	2.7	.9	95.3	1.1	7.1	2.2	.917	None	
SBR71-4713	3032.0-3033.2	58498	4.5	1.0	93.5	1.0	11.7	2.3	.926	None	Bottom buff marker
SBR71-4714	3033.2-3034.6	58499	6.4	1.0	90.6	2.0	16.7a	2.4		None	

See footnote at end of table.

Core and drill cutting samples received October 28, 1970; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Washakie Basin Corehole No. 2 (con.)

Surface elevation 7,000 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		Spent shale	Gas + loss			
Laramie	Their		Oil	Water	Oil ^{1/}	Water					
SBR71-4715	3034.6-3035.6	58500	14.1	1.5	81.0	3.4	36.7	3.6	0.918	None	
SBR71-4716	3035.6-3036.6	58501	10.7	1.2	85.6	2.5	28.4	2.9	.907	None	
SBR71-4717	3036.6-3037.6	58502	8.4	1.1	88.3	2.2	22.5	2.6	.899	None	
SBR71-4718	3037.6-3038.8	58503	8.4	1.5	87.7	2.4	21.9	3.6	.914	None	
SBR71-4719	3038.8-3039.8	58504	10.2	1.6	85.4	2.8	26.2	3.8	.939	None	
SBR71-4720	3039.8-3040.8	58505	6.7	1.6	89.8	1.9	17.2	3.8	.938	None	
SBR71-4721	3040.8-3041.8	58506	7.5	1.2	89.7	1.6	19.5	2.9	.926	None	
SBR71-4722	3041.8-3042.8	58507	7.8	1.6	87.1	3.5	19.9	3.8	.933	None	
SBR71-4723	3042.8-3043.8	58508	11.3	1.4	84.4	2.9	28.9	3.4	.938	None	
SBR71-4724	3043.8-3044.8	58509	8.3	1.0	88.4	2.3	21.4	2.3	.929	None	
SBR71-4725	3045.0-3046.0	58510	9.1	.4	87.7	2.8	23.6	1.0	.927	None	
SBR71-4726	3046.0-3047.1	58511	8.3	.9	87.5	3.3	21.5	2.0	.929	None	
SBR71-4727	3047.1-3048.1	58512	11.0	.7	85.4	2.9	28.0	1.8	.939	None	
SBR71-4728	3048.1-3049.3	58513	.6	.3	96.7	2.4	1.6a	.7		None	
SBR71-4729	3049.3-3050.3	58514	.0	.0	99.9	.1	No Oil	.0		None	
SBR71-4730	3050.3-3051.3	58515	.8	.3	98.1	.8	2.1a	.7		None	
SBR71-4731	3051.3-3052.4	58516	1.9	.4	96.7	1.0	5.0a	1.0		None	
SBR71-4732	3052.4-3053.4	58517	2.6	.1	95.9	1.4	6.8a	.2		None	
SBR71-4733	3053.4-3054.3	58518	4.9	.5	92.3	2.3	12.6	1.3	.932	None	
SBR71-4734	3054.3-3055.2	58519	4.1	.9	94.2	.8	10.9	2.0	.906	None	
SBR71-4735	3055.2-3056.0	58520	5.1	.9	92.7	1.3	13.4	2.0	.914	None	
SBR71-4736	3056.0-3057.0	58521	5.8	.8	91.9	1.5	15.3	1.9	.908	None	
SBR71-4737	3057.0-3058.0	58522	7.2	1.0	90.1	1.7	18.6	2.4	.919	None	
SBR71-4738	3058.0-3059.0	58523	6.8	1.1	90.0	2.1	17.9	2.6	.909	None	
SBR71-4739	3059.0-3060.0	58524	9.0	1.0	87.0	3.0	23.4	2.4	.919	None	
SBR71-4740	3060.0-3061.0	58525	9.9	.9	86.4	2.8	25.7	2.0	.925	None	
SBR71-4741	3061.0-3062.0	58526	11.9	.9	84.0	3.2	30.6	2.3	.931	None	
SBR71-4742	3062.0-3063.0	58527	14.3	.8	81.1	3.8	36.5	1.9	.939	None	
SBR71-4743	3063.0-3064.0	58528	15.6	1.0	79.6	3.8	39.9	2.3	.939	None	
SBR71-4744	3064.0-3065.0	58529	14.1	1.2	80.7	4.0	35.8	2.9	.940	None	

See footnote at end of table.

Core and drill cutting samples received October 28, 1970; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Washakie Basin Corehole No. 2 (con.)

Surface elevation 7,000 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		
Laramie	Their		Oil	Water	Spent shale	Gas + loss	Oil ^{1/}	Water	coke	
SBR71-4745	3065.0-3066.0	58530	11.1	0.7	85.0	3.2	28.7	1.8	None	
SBR71-4746	3066.0-3067.0	58531	8.5	.7	87.8	3.0	22.2	1.7	None	
SBR71-4747	3067.0-3068.0	58532	7.4	.8	89.1	2.7	19.1	1.9	None	
SBR71-4748	3068.0-3069.0	58533	8.5	1.3	87.8	2.4	22.1	3.0	None	
SBR71-4749	3069.0-3070.0	58534	7.5	1.0	89.2	2.3	19.7	2.4	None	
SBR71-4750	3070.0-3071.0	58535	15.6	1.0	79.0	4.4	39.8	2.4	Slight	
SBR71-4751	3071.0-3072.0	58536	12.0	.7	84.2	3.1	31.0	1.7	None	
SBR71-4752	3072.0-3073.0	58537	7.2	.5	90.4	1.9	18.6	1.3	None	
SBR71-4753	3073.0-3074.0	58538	7.6	.8	89.9	1.7	19.9	1.9	None	
SBR71-4754	3074.0-3074.9	58539	9.1	.9	88.3	1.7	23.8	2.0	None	
SBR71-4755	3075.0-3076.2	58540	6.2	.9	90.4	2.5	16.2	2.3	None	
SBR71-4756	3076.2-3077.2	58541	5.9	.5	91.3	2.3	15.3	1.3	None	
SBR71-4757	3077.2-3078.4	58542	5.8	.8	91.6	1.8	15.2	2.0	None	
SBR71-4758	3078.4-3079.4	58543	5.0	.8	92.7	1.5	13.3	1.8	None	
SBR71-4759	3079.4-3080.4	58544	5.3	.8	92.5	1.4	13.9	1.8	None	
SBR71-4760	3080.4-3081.5	58545	6.6	1.0	90.5	1.9	17.3	2.4	None	
SBR71-4761	3081.5-3082.5	58546	5.9	1.0	91.3	1.8	15.5	2.3	None	
SBR71-4762	3082.5-3083.5	58547	7.2	.6	90.4	1.8	18.8	1.3	None	
SBR71-4763	3083.5-3084.5	58548	9.4	.6	87.6	2.4	24.4	1.3	None	
SBR71-4764	3084.5-3085.6	58549	6.1	.5	90.9	2.5	16.0	1.2	None	
SBR71-4765	3085.6-3086.6	58550	5.0	1.1	92.1	1.8	13.0	2.6	None	
SBR71-4766	3086.6-3088.1	58551	4.7	1.2	92.4	1.7	12.4	2.9	None	
SBR71-4767	3088.1-3089.1	58552	5.3	.9	92.0	1.8	14.0	2.2	None	
SBR71-4768	3089.1-3090.4	58553	1.4	.2	96.8	1.6	3.6a	.6	None	
SBR71-4769	3090.4-3091.5	58554	1.0	.3	97.9	.8	2.6a	.6	None	
SBR71-4770	3091.5-3092.9	58555	1.1	.3	98.3	.3	2.8a	.8	None	
SBR71-4771	3092.9-3094.4	58556	5.1	.7	92.8	1.4	13.6	1.8	None	
SBR71-4772	3094.4-3095.6	58557	4.4	.9	93.1	1.6	11.4	2.2	None	
SBR71-4773	3095.6-3096.6	58558	4.2	.7	94.0	1.1	10.9a	1.8	None	
SBR71-4774	3096.6-3097.9	58559	3.8	1.2	93.4	1.6	9.9	3.0	None	

See footnote at end of table.

Core and drill cutting samples received October 28, 1970; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Washakie Basin Corehole No. 2 (con.)

Surface elevation 7,000 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 Gas +		Gal per ton				
Laramie	Their		Oil	Water	shale	loss	Oil	Water			
SBR71-4775	3097.9-3098.9	58560	4.8	0.8	92.7	1.7	12.7	2.0	0.907	None	
SBR71-4776	3098.9-3099.8	58561	1.1	2.4	95.8	.7	2.9a	5.8		None	
SBR71-4777	3099.8-3100.8	58562	4.9	.8	93.0	1.3	12.5	2.0	.928	None	
SBR71-4778	3100.8-3102.0	58563	4.7	1.1	92.8	1.4	12.2	2.8	.918	None	
SBR71-4779	3102.0-3103.0	58564	5.2	1.0	91.4	2.4	13.4	2.3	.930	None	
SBR71-4780	3103.0-3104.2	58565	4.9	.9	92.7	1.5	12.7	2.3	.925	None	
SBR71-4781	3104.2-3105.2	58566	6.2	1.0	90.7	2.1	16.1	2.4	.917	None	
SBR71-4782	3105.2-3106.1	58567	2.5	.4	96.2	.9	6.5	1.1	.907	None	
SBR71-4783	3106.1-3107.2	58568	4.3	1.2	93.5	1.0	11.3	2.9	.912	None	
SBR71-4784	3107.2-3108.6	58569	4.2	1.0	93.4	1.4	11.0	2.4	.916	None	
SBR71-4785	3108.6-3109.6	58570	4.3	1.0	92.5	2.2	11.1	2.4	.920	None	
SBR71-4786	3109.6-3110.6	58571	5.3	1.5	90.6	2.6	13.7	3.6	.923	None	
SBR71-4787	3110.6-3112.0	58572	7.1	1.7	89.0	2.2	18.3	4.1	.934	None	
SBR71-4788	3112.0-3112.8	58573	4.1	.4	94.6	.9	10.9	.8	.907	None	
SBR71-4789	3112.8-3113.8	58574	3.6	.8	94.0	1.6	9.3	1.9	.925	None	
SBR71-4790	3113.8-3114.7	58575	4.7	1.3	92.0	2.0	12.3	3.1	.917	None	
SBR71-4791	3114.7-3115.4	58576	2.1	.7	96.4	.8	5.6a	1.7		None	
SBR71-4792	3115.4-3116.8	58577	4.9	1.2	91.7	2.2	12.8	2.9	.915	None	
SBR71-4793	3116.8-3118.0	58578	4.5	.7	92.9	1.9	11.9	1.6	.915	None	
SBR71-4794	3118.0-3119.0	58579	4.8	1.0	91.9	2.3	12.5	2.4	.923	None	
SBR71-4795	3119.0-3120.3	58580	8.7	.9	88.0	2.4	22.5	2.2	.926	None	
SBR71-4796	3120.3-3121.3	58581	4.8	1.0	92.7	1.5	12.4	2.4	.921	None	
SBR71-4797	3121.3-3122.3	58582	4.7	1.0	92.5	1.8	12.2	2.4	.921	None	
SBR71-4798	3122.3-3123.8	58583	5.0	1.0	91.8	2.2	13.1	2.4	.914	None	
SBR71-4799	3123.8-3124.8	58584	4.9	1.4	91.9	1.8	12.7	3.4	.916	None	
SBR71-4800	3124.8-3125.8	58585	5.5	1.4	91.0	2.1	14.4	3.4	.923	None	
SBR71-4801	3125.8-3126.8	58586	5.8	1.3	90.2	2.7	14.7	3.1	.935	None	
SBR71-4802	3126.8-3127.8	58587	9.3	1.6	86.5	2.6	24.1	3.8	.924	None	
SBR71-4803	3127.8-3128.7	58588	1.4	.8	97.1	.7	3.6a	1.9		None	
SBR71-4804	3128.7-3129.6	58589	2.9	.6	93.9	2.6	7.5	1.3	.920	None	

See footnote at end of table.

Core and drill cutting samples received October 28, 1970; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Washakie Basin Corehole No. 2 (con.)

Surface elevation 7,000 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 ^{1/}	Water	
SBR71-4805	3129.6-3131.0	58590	5.4	1.2	91.8	1.6	14.0	2.9	0.932	None	
SBR71-4806	3131.0-3132.4	58591	3.6	1.8	93.4	1.2	9.2	4.3	.925	None	
SBR71-4807	3132.4-3133.0	58592	9.5	.8	87.3	2.4	24.2	1.8	.941	None	
SBR71-4808	3133.0-3135.2	58593	.0	.6	98.6	.8	No Oil	1.4		None	
SBR71-4809	3135.2-3140.0	58594	.0	.3	99.6	.1	No Oil	.6		None	
SBR71-4810	3140.0-3142.3	58595	.0	.7	99.1	.2	No Oil	1.7		None	
SBR71-4811	3142.3-3143.7	58596	.0	1.0	98.1	.9	No Oil	2.4		None	
SBR71-4812	3143.7-3145.0	58597	.3	.4	98.9	.4	.6a	1.0		None	
SBR71-4813	3145.0-3146.0	58598	.0	.4	99.4	.2	No Oil	.8		None	
SBR71-4814	3146.0-3150.0	58599	.0	.8	98.9	.3	No Oil	2.0		None	
SBR71-4815	3150.0-3160.0	58600	.0	1.7	97.5	.8	No Oil	4.0		None	
SBR71-4816	3160.0-3164.1	58601	.0	1.3	98.6	.1	No Oil	3.2		None	
SBR71-4817	3164.1-3167.0	58602	.0	2.5	96.6	.9	No Oil	6.1		None	
SBR71-4818	3167.0-3170.1	58603	.0	1.6	98.2	.2	No Oil	3.8		None	
SBR71-4819	3170.1-3171.5	58604	.0	3.0	96.5	.5	No Oil	7.1		None	
SBR71-4820	3171.5-3181.4	58605	.0	.5	99.3	.2	No Oil	1.1		None	1.0 ft. missing
SBR71-4821	3181.4-3184.0	58606	.0	2.3	96.3	1.4	No Oil	5.5		None	
SBR71-4822	3184.0-3184.9	58607	.7	1.7	96.4	1.2	1.7a	4.1		None	
SBR71-4823	3184.9-3186.4	58608	.1	1.9	97.4	.6	.2a	4.6		None	
SBR71-4824	3186.4-3188.1	58609	3.6	1.8	93.2	1.4	9.5	4.2	.915	None	
SBR71-4825	3188.1-3188.9	58610	1.9	1.3	96.2	.6	4.8a	3.1		None	
SBR71-4826	3188.9-3189.9	58611	.2	1.8	97.1	.9	.5a	4.3		None	
SBR71-4827	3189.9-3190.9	58612	1.4	2.0	95.9	.7	3.6a	4.8		None	
SBR71-4828	3190.9-3191.9	58613	3.1	.9	93.8	2.2	8.1	2.3	.907	None	
SBR71-4829	3191.9-3192.9	58614	4.0	1.4	92.7	1.9	10.6	3.5	.898	None	
SBR71-4830	3193.0-3194.3	58615	2.9	1.9	93.5	1.7	7.8	4.6	.896	None	
SBR71-4831	3194.3-3195.3	58616	5.0	1.8	90.9	2.3	13.0	4.3	.916	None	
SBR71-4832	3195.3-3196.1	58617	1.4	.3	98.1	.2	3.7a	.6		None	
SBR71-4833	3196.1-3197.0	58618	3.7	2.1	92.3	1.9	9.6	5.0	.924	None	
SBR71-4834	3197.0-3198.0	58619	3.2	2.3	93.0	1.5	8.5	5.5	.917	None	

See footnote at end of table.

Core and drill cutting samples received October 28, 1970; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Washakie Basin Corehole No. 2 (con.)

Surface elevation 7,000 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			
SBR71-4835	3198.0-3199.0	58620	3.8	1.8	93.3	1.1	10.0	4.3	0.905	None	
SBR71-4836	3199.0-3200.0	58621	4.0	1.7	92.3	2.0	10.7	4.1	.896	None	
SBR71-4837	3200.0-3201.0	58622	4.4	2.5	91.6	1.5	11.8	6.0	.900	None	
SBR71-4838	3201.0-3202.0	58623	4.6	2.4	92.0	1.0	12.2	5.6	.912	None	
SBR71-4839	3202.0-3202.5	58624	6.3	2.7	89.5	1.5	16.5	6.4	.918	None	
SBR71-4840	3202.5-3204.1	58625	1.1	.2	97.8	.9	2.7a	.6		None	
SBR71-4841	3204.1-3205.1	58626	4.3	2.2	91.8	1.7	11.3	5.4	.906	None	
SBR71-4842	3205.1-3206.1	58627	5.0	2.5	91.1	1.4	13.4	6.0	.896	None	
SBR71-4843	3206.1-3207.3	58628	4.5	2.3	92.1	1.1	12.0	5.5		None	
SBR71-4844	3207.3-3209.0	58630	.0	1.2	96.7	2.1	No Oil	2.8		None	
SBR71-4845	3209.0-3210.6	58631	.0	3.7	94.5	1.8	No Oil	8.8		None	
SBR71-4846	3210.6-3213.9	58632	.0	1.4	97.2	1.4	No Oil	3.3		None	
SBR71-4847	3213.9-3220.0	58633	.0	2.3	96.5	1.2	No Oil	5.5		None	
SBR71-4848	3220.0-3230.0	58634	.0	2.6	96.7	.9	No Oil	6.2		None	
SBR71-4849	3230.0-3236.0	58635	.0	1.7	97.7	.6	No Oil	4.0		None	

^{1/} "a"--indicates specific gravity estimated at 0.92. Oil yields were estimated by a rapid test-tube method: "No oil", "Trace", "c"--1 to 3 gal oil/ton.

^{2/} Intervals consisted of apparently barren rock and were not assayed.

Core and drill cutting samples received October 28, 1970; Assays made on air-dried samples