OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Washakie Basin Corehole No. 1A drilled in SW1/4SW1/4SW1/4 (281 feet N/S 567 feet E/W) of sec 24, T 14 N, R 100 W, Sweetwater County, Wyoming

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil[1/]	Water	60°/60° F	coke	Remarks
SBR69-6434	0- 5	43008	0.0	4.8	94.5	0.7	No Oil	11.4		None	
SBR69-6435	5- 10	43009	.0	3.4	96.0	.6	No Oil	8.2		None	
SBR69-6436	10- 15	43010	.0	3.1	95.4	1.5	No Oil	7.5		None	
SBR69-6437	15- 20	43011	.0	5.4	94.2	.4	No Oil	12.9		None	
SBR69-6438	20- 25	43012	.0	4.1	95.6	.3	No Oil	9.9		None	
SBR69-6439	25- 30	43013	.0	5.2	94.7	.1	No Oil	12.4		None	
SBR69-6440	30- 35	43014	.0	6.7	93.0	.3	No Oil	16.0		None	
SBR69-6441	35- 40	43015	.0	6.3	93.5	.2	No Oil	15.1		None	
SBR69-6442	40- 45	43016	.0	5.6	94.3	.1	No Oil	13.3		None	
SBR69-6443	45- 50	43017	.0	5.6	94.1	.3	No Oil	13.3		None	
SBR69-6444	50- 55	43018	.0	3.6	95.9	.5	No Oil	8.6		None	
SBR69-6445	55- 60	43019	.0	3.7	94.4	1.9	No Oil	8.8		None	
SBR69-6446	60- 65	43020	.0	3.5	95.8	.7	No Oil	8.5		None	
SBR69-6447	65- 70	43021	.0	4.6	94.6	.8	No Oil	10.9		None	
SBR69-6448	70- 75	43022	.0	5.2	94.5	.3	No Oil	12.4		None	
SBR69-6449	75- 80	43023	.0	3.1	94.0	2.9	No Oil	7.5		None	
SBR69-6450	80- 85	43024	.0	3.3	94.8	1.9	No Oil	7.8		None	
SBR69-6451	85- 90	43025	.0	3.5	96.3	.2	No Oil	8.3		None	
SBR69-6452	90- 95	43026	.0	3.5	96.2	.3	No Oil	8.4		None	
SBR69-6453	95-100	43027	.0	3.4	95.9	.7	No Oil	8.2		None	
SBR69-6454	100-105	43028	.0	3.9	95.2	.9	No Oil	9.4		None	
SBR69-6455	105-110	43029	.0	3.5	96.3	.2	No Oil	8.3		None	
SBR69-6456	110-115	43030	.0	3.6	96.0	.4	Trace	8.7		None	
SBR69-6457	115-120	43031	.0	3.3	96.0	.7	Trace	7.8		None	
SBR69-6458	120-125	43032	.0	3.4	95.9	.7	No Oil	8.2		None	
SBR69-6459	125-130	43033	.0	2.1	96.7	1.2	No Oil	5.1		None	
SBR69-6460	130-135	43034	.0	2.8	95.9	1.3	No Oil	6.7		None	
SBR69-6461	135-140	43035	.0	2.9	96.6	.5	No Oil	6.9		None	
SBR69-6462	140-145	43036	.0	3.8	95.2	1.0	No Oil	9.0		None	
SBR69-6463	145-150	43037	.6	4.2	94.1	1.1	1.5a	10.1		None	

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; 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. 1A (con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton				
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil[1/]	Water	of oil at 60°/60° F	Tendency to coke	Remarks
SBR69-6464	150 -155	43038	0.0	4.2	93.7	2.1	No Oil	9.9		None	
SBR69-6465	155 -160	43039	.0	4.9	93.8	1.3	No Oil	11.8		None	
SBR69-6466	160 -165	43040	.0	4.3	94.7	1.0	No Oil	10.4		None	
SBR69-6467	165 -170	43041	.0	4.0	95.1	.9	No Oil	9.5		None	
SBR69-6468	170 -175	43042	.0	3.1	96.1	.8	No Oil	7.4		None	
SBR69-6469	175 -180	43043	.0	2.8	96.8	.4	No Oil	6.6		None	
SBR69-6470	180 -185	43044	.0	3.6	95.8	.6	No Oil	8.6		None	
SBR69-6471	185 -190	43045	.0	3.5	96.1	.4	No Oil	8.4		None	
SBR69-6472	190 -195	43046	.0	2.6	96.6	.8	No Oil	6.2		None	
SBR70-6207	209.8-211.1	51978	.0	1.6	97.9	.5	No Oil	3.9		None	Start core.
SBR70-6208	211.1-212.2	51979	.0	2.4	96.9	.7	No Oil	5.8		None	
SBR70-6209	212.2-214.2	51980	.0	1.2	98.0	.8	No Oil	2.9		None	
SBR70-6210	214.2-216.2	51981	.0	1.7	97.3	1.0	No Oil	4.1		None	
SBR70-6211	216.2-218.0	51982	.0	1.7	97.9	.4	No Oil	4.0		None	
SBR70-6212	218.0-218.7	51983	.1	3.1	95.2	1.6	0.3a	7.4		None	
SBR70-6213	218.7-219.9	51984	.0	2.6	96.8	.6	No Oil	6.1		None	
SBR70-6214	219.9-220.7	51985	.1	2.9	95.7	1.3	.2a	7.1		None	
SBR70-6215	220.7-221.7	51986	.0	2.7	96.4	.9	No Oil	6.5		None	
SBR70-6216	221.7-223.7	51987	.0	.5	99.2	.2	No Oil	1.3		None	
SBR70-6217	223.7-225.7	51988	.6	2.5	96.4	.5	1.5a	6.0		None	
SBR70-6218	225.7-226.7	51989	.3	2.3	95.7	1.7	.8a	5.5		None	
SBR70-6219	226.7-228.2	51990	1.7	2.7	94.0	1.6	4.5a	6.5		None	
SBR70-6220	228.2-228.8	51991	.1	.3	99.5	.1	.3a	.7		None	
SBR70-6221	228.8-229.6	51992	1.8	3.4	93.2	1.6	4.7a	8.1		None	
SBR70-6222	229.6-230.5	51993	.0	1.4	97.8	.8	No Oil	3.4		None	
SBR70-6223	230.5-231.4	51994	.0	2.4	97.5	.1	No Oil	5.8		None	
SBR70-6224	231.4-232.4	51995	.0	2.4	96.9	.7	No Oil	5.6		None	
SBR70-6225	232.4-234.0	51996	.0	1.9	97.6	.5	No Oil	4.6		None	
SBR70-6226	234.0-237.0	51997	.0	.2	99.3	.5	No Oil	.5		None	
SBR70-6227	237.0-239.8	51998	.0	.3	99.5	.2	No Oil	.6		None	

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; 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. 1A (Con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton				
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil[1/]	Water	of oil at 60°/60° F	Tendency to coke	Remarks
SBR70-6228	239.8-241.4	51999	0.0	3.4	96.0	0.6	No Oil	8.1		None	
SBR70-6229	241.4-242.2	52000	.0	1.4	98.4	.2	No Oil	3.3		None	
SBR70-6230	243.0-244.6	52001	.0	2.4	97.1	.5	No Oil	5.8		None	
SBR70-6231	244.6-245.9	52002	.0	.4	99.3	.3	No Oil	1.0		None	
SBR70-6232	245.9-247.9	52003	.0	2.4	97.2	.4	No Oil	5.9		None	
SBR70-6233	247.9-249.8	52004	.1	2.9	96.4	.6	.3a	7.0		None	
SBR70-6234	249.8-250.8	52005	.0	2.0	96.8	1.2	No Oil	4.8		None	
SBR70-6235	250.8-251.8	52006	.4	2.7	96.3	.6	1.1a	6.5		None	
SBR70-6236	251.8-253.5	52007	3.4	3.5	91.8	1.3	8.8	8.4	0.919	None	
SBR70-6237	253.5-254.5	52008	4.6	2.6	91.6	1.2	12.0	6.2	.924	None	
SBR70-6238	254.5-257.0	52009	.0	.7	99.1	.2	No Oil	1.7		None	
SBR70-6239	257.0-259.2	52010	.0	3.1	95.3	1.6	No Oil	7.3		None	
SBR70-6240	259.2-261.7	52011	.0	.7	98.3	1.0	No Oil	1.6		None	
SBR70-6241	261.7-262.7	52012	.0	1.1	98.1	.8	No Oil	2.7		None	
SBR70-6242	263.0-265.9	52013	.0	1.9	96.5	1.6	No Oil	4.5		None	
SBR70-6243	265.9-270.0	52014	.0	1.2	97.9	.9	No Oil	3.0		None	
SBR70-6244	270.0-272.0	52015	.0	3.1	94.8	2.1	No Oil	7.4		None	
SBR70-6245	272.0-274.7	52016	.0	.9	98.2	.9	No Oil	2.1		None	
SBR70-6246	274.7-276.2	52017	.0	2.5	95.3	2.2	No Oil	6.1		None	
SBR70-6247	276.2-277.6	52018	.0	1.4	97.9	.7	No Oil	3.2		None	
SBR70-6248	277.6-278.8	52019	.0	.7	98.5	.8	No Oil	1.7		None	
SBR70-6249	278.8-280.6	52020	.0	2.1	96.7	1.2	No Oil	5.1		None	
SBR70-6250	280.6-281.6	52021	.1	2.9	95.8	1.2	.2a	7.1		None	
SBR70-6251	281.6-282.6	52022	.0	1.8	97.0	1.2	No Oil	4.4		None	
SBR70-6252	283.0-285.5	52023	.0	2.6	95.5	1.9	No Oil	6.3		None	
SBR70-6253	285.5-286.5	52024	1.3	3.6	93.5	1.6	3.4a	8.6		None	
SBR70-6254	286.5-289.7	52025	.0	2.2	96.1	1.7	Trace	5.3		None	
SBR70-6255	289.7-293.0	52026	.0	2.2	96.1	1.7	Trace	5.2		None	
SBR70-6256	293.0-297.3	52027	.0	2.9	96.6	.5	No Oil	6.9		None	
SBR70-6257	297.3-299.9	52028	.0	1.5	98.2	.3	No Oil	3.6		None	

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; 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. 1A (con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton				
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil[1/]	Water	of oil at 60°/60° F	Tendency to coke	Remarks
SBR70-6258	299.9-302.1	52029	0.0	1.9	97.2	0.9	No Oil	4.5		None	
SBR70-6259	302.1-303.3	52030	.0	2.4	97.3	.3	No Oil	5.7		None	
SBR70-6260	303.3-308.0	52031	.0	2.3	96.7	1.0	No Oil	5.5		None	
SBR70-6261	308.0-313.0	52032	.0	2.7	96.5	.8	No Oil	6.5		None	
SBR70-6262	313.0-318.0	52033	.0	1.5	97.8	.7	No Oil	3.7		None	
SBR70-6263	318.0-320.6	52034	.0	1.7	97.5	.8	No Oil	4.1		None	
SBR70-6264	320.6-322.7	52035	.0	2.8	96.8	.4	No Oil	6.6		None	
SBR70-6265	323.0-324.4	52036	.0	.5	99.4	.1	No Oil	1.2		None	
SBR70-6266	324.4-327.6	52037	.0	2.6	96.3	1.1	No Oil	6.3		None	
SBR70-6267	327.6-328.6	52038	.1	3.0	95.4	1.5	0.3a	7.2		None	
SBR70-6268	328.6-329.9	52039	.7	4.0	94.1	1.2	1.9a	9.6		None	
SBR70-6269	329.9-331.0	52040	2.8	4.0	91.5	1.7	7.2	9.6	0.914	None	
SBR70-6270	331.0-333.7	52041	.1	1.9	95.8	2.2	.3a	4.6		None	
SBR70-6271	333.7-338.0	52042	.0	1.8	98.0	.2	No Oil	4.4		None	
SBR70-6272	338.0-341.0	52043	.0	2.4	97.2	.4	No Oil	5.8		None	
SBR70-6273	341.0-345.0	52044	.0	2.2	97.3	.5	No Oil	5.4		None	
SBR70-6274	345.0-350.0	52045	.0	3.5	96.4	.1	No Oil	8.5		None	
SBR70-6275	350.0-355.0	52046	.0	2.3	96.9	.8	No Oil	5.5		None	
SBR70-6276	355.0-360.0	52047	.0	2.8	95.5	1.7	Trace	6.6		None	
SBR70-6277	360.0-362.9	52048	.0	1.8	97.9	.3	Trace	4.3		None	
SBR70-6278	363.0-364.6	52049	.0	1.7	97.8	.5	Trace	4.0		None	
SBR70-6279	364.6-365.6	52050	.3	1.8	97.6	.3	.8a	4.4		None	
SBR70-6280	365.6-366.6	52051	.8	2.1	96.4	.7	2.1a	5.0		None	
SBR70-6281	366.6-368.3	52052	5.8	2.9	88.7	2.6	15.2	7.0	.909	None	
SBR70-6282	368.3-369.3	52053	9.8	2.5	85.2	2.5	25.4	6.0	.926	None	
SBR70-6283	369.3-370.4	52054	9.8	2.4	85.8	2.0	25.3	5.8	.926	None	
SBR70-6284	370.4-371.4	52055	10.0	2.1	84.6	3.3	25.8	5.0	.931	None	
SBR70-6285	371.4-372.7	52056	9.8	2.0	85.4	2.8	25.6	4.8	.913	None	
SBR70-6286	372.7-373.3	52057	5.4	2.2	89.8	2.6	14.1	5.3	.912	None	
SBR70-6287	373.3-374.0	52058	2.1	1.3	94.3	2.3	5.6	3.1	.919	None	

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; 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. 1A (con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil[1/]	Water	60°/60° F	coke	Remarks
SBR70-6288	374.0-375.0	52059	3.5	1.0	92.1	3.4	9.1	2.4	0.927	None	
SBR70-6289	375.0-376.1	52060	3.3	2.2	92.3	2.2	8.6	5.3	.921	None	
SBR70-6290	376.1-377.6	52061	4.0	1.5	91.6	2.9	10.5	3.6	.923	None	
SBR70-6291	377.6-378.9	52062	.8	1.2	96.2	1.8	2.2a	2.9		None	
SBR70-6292	378.9-380.5	52063	3.0	1.8	93.2	2.0	7.8	4.3	.920	None	
SBR70-6293	380.5-381.5	52064	3.8	2.2	91.3	2.7	9.9	5.3	.915	None	
SBR70-6294	381.5-382.6	52065	2.1	1.1	94.2	2.6	5.5	2.6	.922	None	
SBR70-6295	382.6-383.6	52066	2.0	2.0	95.1	.9	5.1a	4.8		None	
SBR70-6296	383.6-384.6	52067	4.6	1.6	90.6	3.2	12.2	3.8	.915	None	
SBR70-6297	384.6-386.4	52068	2.1	1.6	94.1	2.2	5.5	3.8	.913	None	
SBR70-6298	386.4-387.6	52069	3.2	1.6	92.6	2.6	8.3	3.8	.911	None	
SBR70-6299	387.6-389.0	52070	5.2	1.6	90.5	2.7	13.5	3.8	.914	None	
SBR70-6300	389.0-390.1	52071	3.5	2.1	92.9	1.5	9.3	5.0	.901	None	
SBR70-6301	390.1-391.2	52072	4.4	2.5	90.7	2.4	11.9	6.0	.888	None	
SBR70-6302	391.2-392.6	52073	4.3	4.2	89.9	1.6	11.3	10.1	.901	None	
SBR70-6303	392.6-394.0	52074	3.0	3.5	91.7	1.8	7.8	8.4	.913	None	
SBR70-6304	394.0-395.0	52075	3.9	4.0	90.8	1.3	10.1	9.6	.917	None	
SBR70-6305	395.0-395.6	52076	4.9	4.0	89.0	2.1	12.9	9.6	.916	None	
SBR70-6306	395.6-396.1	52077	1.1	2.2	94.6	2.1	2.9a	5.3		None	
SBR70-6307	396.1-396.7	52078	4.7	3.6	89.8	1.9	12.3	8.6	.918	None	
SBR70-6308	396.7-397.7	52079	3.3	4.0	90.9	1.8	8.7	9.6	.915	None	
SBR70-6309	397.7-398.7	52080	6.7	3.2	88.3	1.8	17.4	7.7	.917	None	
SBR70-6310	398.7-400.0	52081	6.4	3.2	88.5	1.9	16.9	7.7	.915	None	
SBR70-6311	400.0-401.4	52082	5.3	3.4	89.2	2.1	13.8	8.1	.918	None	
SBR70-6312	401.4-402.4	52083	4.7	3.0	89.8	2.5	12.3	7.2	.916	None	
SBR70-6313	403.0-403.8	52084	3.7	3.0	91.9	1.4	9.6	7.2	.920	None	
SBR70-6314	403.8-404.4	52085	.2	.3	99.4	.1	.6a	.6		None	
SBR70-6315	404.4-405.1	50286	4.6	1.7	92.1	1.6	11.9	4.1	.920	None	
SBR70-6316	405.1-406.3	52087	5.2	1.3	91.9	1.6	13.6	3.1	.919	None	
SBR70-6317	406.3-407.5	52088	4.2	1.9	91.3	2.6	11.1	4.6	.918	None	

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; 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. 1A (con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil[1/]	Water	60°/60° F	coke	Remarks
SBR70-6318	407.5-408.5	52089	4.0	1.5	91.2	3.3	10.4	3.6	0.921	None	
SBR70-6319	408.5-409.5	52090	4.8	2.0	91.2	2.0	12.7	4.8	.915	None	
SBR70-6320	409.5-410.5	52091	5.2	2.4	90.1	2.3	13.6	5.8	.917	None	
SBR70-6321	410.5-411.8	52092	4.4	2.0	91.6	2.0	11.4	4.8	.917	None	
SBR70-6322	411.8-412.8	52093	3.2	1.6	93.4	1.8	8.3	3.8	.917	None	
SBR70-6323	412.8-413.8	52094	1.1	1.1	95.7	2.1	2.8a	2.6		None	
SBR70-6324	413.8-414.8	52095	1.2	1.5	95.6	1.7	3.2a	3.6		None	
SBR70-6325	414.8-415.8	52096	2.5	1.9	93.6	2.0	6.5	4.7	.912	None	
SBR70-6326	415.8-416.8	52097	2.1	2.2	92.9	2.8	5.4	5.4	.909	None	
SBR70-6327	416.8-417.8	52098	2.1	2.7	93.5	1.7	5.5	6.5	.909	None	
SBR70-6328	417.8-419.1	52099	4.2	3.0	90.7	2.1	11.1	7.2	.907	None	
SBR70-6329	419.1-420.1	52100	3.0	4.3	90.4	2.3	7.9	10.4	.900	None	
SBR70-6330	420.1-421.2	52101	3.3	3.2	91.1	2.4	8.7	7.8	.905	None	
SBR70-6331	421.2-422.2	52102	2.0	2.9	94.2	.9	5.4	7.0	.887	None	
SBR70-6332	422.2-423.2	52103	4.3	3.8	89.0	2.9	11.5	9.1	.904	None	
SBR70-6333	423.2-424.2	52104	5.8	4.2	88.1	1.9	15.5	10.1	.900	None	
SBR70-6334	424.2-425.2	52105	5.6	4.2	87.3	2.9	14.8	10.1	.902	None	
SBR70-6335	425.2-426.2	52106	7.3	4.0	86.8	1.9	19.8	9.6	.885	None	
SBR70-6336	426.2-427.2	52107	2.9	4.0	91.6	1.5	7.7	9.6	.904	None	
SBR70-6337	427.2-428.2	52108	3.4	3.9	91.1	1.6	9.1	9.2	.910	None	
SBR70-6338	428.2-429.6	52109	2.3	3.8	92.9	1.0	6.2	9.1	.901	None	
SBR70-6339	429.6-430.6	52110	2.4	2.3	94.2	1.1	6.2	5.6	.911	None	
SBR70-6340	430.6-431.6	52111	2.4	3.8	92.9	.9	6.3	9.1	.899	None	
SBR70-6341	431.6-433.0	52112	3.1	4.0	91.4	1.5	8.4	9.6	.898	None	
SBR70-6342	433.0-434.3	52113	1.4	2.7	92.7	3.2	3.7a	6.5		None	
SBR70-6343	434.3-435.3	52114	4.7	3.0	91.0	1.3	12.4	7.2	.901	None	
SBR70-6344	435.3-436.3	52115	8.1	4.7	84.5	2.7	21.6	11.3	.901	None	
SBR70-6345	436.3-437.3	52116	3.0	2.5	93.0	1.5	8.0	6.0	.903	None	
SBR70-6346	437.3-438.3	52117	2.4	2.2	94.6	.8	6.2	5.3	.910	None	
SBR70-6347	438.3-439.5	52118	2.7	1.9	93.7	1.7	7.0	4.7	.917	None	

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; 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. 1A (con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil[1/]	Water	60°/60° F	coke	Remarks
SBR70-6348	439.5-440.5	52119	2.9	1.9	93.4	1.8	7.6	4.6	0.918	None	
SBR70-6349	440.5-441.6	52120	3.2	2.0	93.0	1.8	8.3	4.8	.917	None	
SBR70-6350	441.6-442.6	52121	5.1	3.0	89.3	2.6	13.3	7.2	.916	None	
SBR70-6351	443.0-443.6	52122	6.8	3.4	87.6	2.2	17.8	8.1	.913	None	
SBR70-6352	443.6-444.6	52123	6.2	3.6	88.1	2.1	16.5	8.6	.910	None	
SBR70-6353	444.6-445.6	52124	4.8	4.2	89.4	1.6	13.0	10.1	.894	None	
SBR70-6354	445.6-447.0	52125	4.9	4.8	88.3	2.0	13.4	11.5	.882	None	
SBR70-6355	447.0-448.0	52126	.9	3.3	95.1	.7	2.2a	7.9		None	
SBR70-6356	448.0-449.0	52127	.2	3.7	95.1	1.0	.5a	8.9		None	
SBR70-6357	449.0-450.0	52128	.1	3.9	95.3	.7	.2a	9.5		None	
SBR70-6358	450.0-451.3	52129	.3	3.4	95.5	.8	.8a	8.1		None	
SBR70-6359	451.3-452.3	52130	.2	2.9	95.4	1.5	.5a	7.0		None	
SBR70-6360	452.3-453.9	52131	1.0	3.4	93.6	2.0	2.6a	8.1		None	
SBR70-6361	453.9-454.9	52132	1.1	3.4	94.5	1.0	2.8a	8.1		None	
SBR70-6362	454.9-455.9	52133	1.2	2.7	93.1	3.0	3.0a	6.5		None	
SBR70-6363	455.9-456.9	52134	4.8	3.9	89.7	1.6	12.5	9.2	.921	None	
SBR70-6364	456.9-457.9	52135	8.8	4.0	84.8	2.4	22.6	9.7	.932	None	
SBR70-6365	457.9-459.0	52136	7.6	3.1	87.2	2.1	19.7	7.4	.922	None	
SBR70-6366	459.7-461.1	52137	4.5	3.4	90.1	2.0	11.9	8.0	.906	None	
SBR70-6367	461.1-462.1	52138	2.6	2.7	93.2	1.5	7.0	6.5	.893	None	
SBR70-6368	462.1-463.0	52139	3.0	4.4	90.6	2.0	7.9	10.4	.905	None	
SBR70-6369	463.0-464.0	52140	2.6	4.0	91.1	2.3	6.9	9.7	.889	None	
SBR70-6370	464.0-465.0	52141	3.6	2.0	92.3	2.1	9.6	4.8	.893	None	
SBR70-6371	465.0-466.0	52142	4.2	3.0	91.3	1.5	11.2	7.2	.894	None	
SBR70-6372	466.0-467.1	52143	4.3	3.2	90.9	1.6	11.5	7.7	.892	None	
SBR70-6373	467.1-468.1	52144	2.1	1.6	94.7	1.6	5.6	3.8	.902	None	
SBR70-6374	468.1-468.8	52145	5.2	2.9	89.9	2.0	14.0	7.0	.895	None	
SBR70-6375	468.8-469.8	52146	4.8	2.8	90.5	1.9	12.9	6.7	.899	None	
SBR70-6376	469.8-470.7	52147	5.3	2.7	90.0	2.0	14.4	6.5	.890	None	
SBR70-6377	470.7-471.3	52148	6.2	3.1	88.6	2.1	16.6	7.4	.887	None	

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; 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. 1A (con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil 1/	Water	60°/60° F	coke	Remarks
SBR70-6378	471.3-472.2	52149	2.1	3.4	92.3	2.2	5.6	8.1	0.888	None	
SBR70-6379	472.2-742.7	52150	3.9	3.0	91.9	1.2	10.6	7.2	.883	None	
SBR70-6380	472.7-474.0	52151	1.7	3.9	92.7	1.7	4.4a	9.3		None	
SBR70-6381	474.0-475.0	52152	2.0	4.6	92.3	1.1	5.5	11.0	.879	None	
SBR70-6382	475.0-476.0	52153	1.7	2.6	94.9	.8	4.3a	6.2		None	
SBR70-6383	476.0-477.0	52154	1.9	4.2	92.4	1.5	5.0a	10.1		None	
SBR70-6384	477.0-478.0	52155	5.6	2.5	89.8	2.1	14.9	6.0	.893	None	
SBR70-6385	478.0-479.0	52156	6.2	3.4	87.9	2.5	16.6	8.1	.891	None	
SBR70-6386	479.0-480.0	52157	4.5	3.4	89.8	2.3	12.1	8.1	.888	None	
SBR70-6387	480.0-481.0	52158	1.8	4.2	92.8	1.2	4.7a	10.1		None	
SBR70-6388	481.0-482.0	52159	1.0	3.8	94.4	.8	2.5a	9.1		None	
SBR70-6389	482.0-483.0	52160	.0	1.4	97.9	.7	No Oil	3.4		None	
SBR70-6390	483.0-484.0	52161	.0	2.1	96.5	1.4	No Oil	5.1		None	
SBR70-6391	484.0-485.0	52162	.0	3.0	96.4	.6	Trace	7.1		None	
SBR70-6392	485.0-486.0	52163	.0	3.2	96.1	.7	No Oil	7.6		None	
SBR70-6393	486.0-486.9	52164	.0	3.5	95.9	.6	Trace	8.3		None	
SBR70-6394	486.9-488.0	52165	.6	3.9	94.3	1.2	1.6a	9.3		None	
SBR70-6395	488.0-489.0	52166	.7	3.0	94.9	1.4	1.9a	7.2		None	
SBR70-6396	489.0-490.0	52167	.6	3.7	94.6	1.1	1.7a	8.7		None	
SBR70-6397	490.0-491.0	52168	.1	3.6	95.4	.9	.3a	8.5		None	
SBR70-6398	491.0-492.0	52169	.2	3.7	94.3	1.8	.6a	8.7		None	
SBR70-6399	492.0-492.6	52170	1.1	2.2	95.2	1.5	2.9a	5.3		None	
SBR70-6400	492.6-493.2	52171	4.2	3.9	89.9	2.0	11.1	9.3	.895	None	
SBR70-6401	493.2-494.0	52172	4.6	2.2	91.4	1.8	12.3	5.2	.900	None	
SBR70-6402	494.0-495.4	52173	2.4	1.5	94.1	2.0	6.4	3.6	.900	None	
SBR70-6403	495.4-496.4	52174	2.8	2.8	92.8	1.6	7.5	6.6	.895	None	
SBR70-6404	496.4-497.6	52175	2.0	1.7	93.9	2.4	5.2	4.1	.898	None	
SBR70-6405	497.6-498.6	52176	3.0	2.0	93.1	1.9	8.1	4.8	.891	None	
SBR70-6406	498.6-500.0	52177	3.4	1.9	92.2	2.5	9.1	4.7	.888	None	
SBR70-6407	500.0-501.2	52178	2.4	2.3	94.1	1.2	6.5	5.5	.897	None	

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; 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. 1A (Con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil[1/]	Water	60°/60° F	coke	Remarks
SBR70-6408	501.2-502.0	52180	4.0	3.2	90.7	2.1	10.4	7.8	0.923	None	
SBR70-6409	502.0-502.9	52181	2.9	3.4	92.0	1.7	7.6	8.1	.905	None	
SBR70-6410	503.0-504.0	52182	1.8	1.7	95.1	1.4	4.8a	4.1		None	
SBR70-6411	504.0-505.0	52183	2.2	2.1	94.7	1.0	5.9	5.0	.898	None	
SBR70-6412	505.0-506.0	52184	2.7	2.4	93.8	1.1	7.4	5.8	.887	None	
SBR70-6413	506.0-507.0	52185	2.2	1.8	92.9	3.1	5.9	4.3	.892	None	
SBR70-6414	507.0-508.0	52186	1.9	3.1	93.8	1.2	5.0a	7.3		None	
SBR70-6415	508.0-509.1	52187	2.4	2.7	93.6	1.3	6.4	6.5	.888	None	
SBR70-6416	509.1-510.1	52188	3.2	3.0	92.0	1.8	8.5	7.2	.888	None	
SBR70-6417	510.1-511.2	52189	4.8	3.6	89.3	2.3	13.1	8.6	.879	None	
SBR70-6418	511.2-512.2	52190	3.0	3.0	92.1	1.9	8.2	7.2	.889	None	
SBR70-6419	512.2-513.5	52191	5.6	3.2	89.2	2.0	14.6	7.7	.922	None	
SBR70-6420	513.5-514.8	52192	5.0	3.2	89.7	2.1	13.2	7.7	.914	None	
SBR70-6421	514.8-516.6	52193	3.6	2.3	92.3	1.8	9.5	5.5	.911	None	
SBR70-6422	516.6-517.4	52194	4.7	4.2	89.3	1.8	12.5	10.1	.895	None	
SBR70-6423	517.4-518.2	52195	1.2	2.8	95.4	.6	3.3a	6.7		None	
SBR70-6424	518.2-520.0	52196	3.0	3.7	91.7	1.6	8.1	8.9	.896	None	
SBR70-6425	520.0-521.0	52197	4.0	3.6	90.3	2.1	10.6	8.6	.910	None	
SBR70-6426	521.0-522.0	52198	3.7	3.1	91.6	1.6	9.8	7.4	.911	None	
SBR70-6427	522.0-523.0	52199	3.1	2.2	93.1	1.6	8.2	5.3	.913	None	
SBR70-6428	523.0-524.0	52200	1.8	2.6	94.2	1.4	4.8a	6.2		None	
SBR70-6429	524.0-525.2	52201	1.6	1.7	95.5	1.2	4.1a	4.1		None	
SBR70-6430	525.2-526.2	52202	1.4	1.6	95.2	1.8	3.6a	3.8		None	
SBR70-6431	526.2-527.2	52203	2.8	2.8	92.4	2.0	7.5	6.6	.910	None	
SBR70-6432	527.2-528.2	52204	2.0	2.2	93.8	2.0	5.3	5.3	.920	None	
SBR70-6433	528.2-529.2	52205	2.0	2.0	93.7	2.3	5.3	4.8	.912	None	
SBR70-6434	529.2-530.0	52206	4.3	3.5	90.5	1.7	11.2	8.4	.919	None	
SBR70-6435	530.0-531.5	52207	3.3	4.3	90.6	1.8	8.5	10.4	.917	None	
SBR70-6436	531.5-532.8	52208	3.2	1.4	92.6	2.8	8.3	3.4	.925	None	
SBR70-6437	532.8-533.8	52209	4.3	2.4	91.5	1.8	11.0	5.8	.923	None	

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; 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. 1A (con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton 1/		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil	Water	60°/60° F	coke	Remarks
SBR70-6438	533.8-535.6	52210	4.3	1.8	91.1	2.8	11.1	4.3	0.923	None	
SBR70-6439	535.6-536.6	52211	5.1	2.4	90.4	2.1	13.4	5.8	.919	None	
SBR70-6440	536.6-537.3	52212	6.0	1.6	89.2	3.2	15.6	3.7	.922	None	
SBR70-6441	537.3-538.3	52213	6.7	2.2	89.2	1.9	17.5	5.3	.914	None	
SBR70-6442	538.3-539.3	52214	7.0	2.2	87.8	3.0	18.5	5.3	.909	None	
SBR70-6443	539.3-540.3	52215	5.4	2.4	90.0	2.2	14.0	5.9	.918	None	
SBR70-6444	540.3-541.8	52216	6.0	3.5	86.8	3.7	15.6	8.4	.926	None	
SBR70-6445	541.8-542.9	52217	4.1	1.9	92.2	1.8	10.6	4.6	.929	None	
SBR70-6446	543.0-544.2	52218	5.4	2.8	90.2	1.6	14.1	6.6	.923	None	
SBR70-6447	544.2-545.2	52219	4.5	2.2	91.8	1.5	11.8	5.3	.919	None	
SBR70-6448	545.2-546.2	52220	3.4	1.4	92.9	2.3	8.8	3.4	.924	None	
SBR70-6449	546.2-547.2	52221	3.1	1.8	93.9	1.2	8.2	4.3	.913	None	
SBR70-6450	547.2-548.2	52222	4.7	2.2	91.1	2.0	12.5	5.3	.908	None	
SBR70-6451	548.2-549.2	52223	6.4	1.7	89.7	2.2	16.9	4.1	.906	None	
SBR70-6452	549.2-550.2	52224	5.3	2.4	90.4	1.9	14.1	5.8	.908	None	
SBR70-6453	550.2-551.4	52225	8.0	3.0	86.1	2.9	21.2	7.2	.905	None	
SBR70-6454	551.4-552.4	52226	8.6	3.0	85.8	2.6	22.6	7.2	.906	None	
SBR70-6455	552.4-553.4	52227	6.7	3.2	87.9	2.2	17.9	7.7	.898	None	
SBR70-6456	553.4-554.4	52228	6.1	2.7	88.3	2.9	16.5	6.5	.893	None	
SBR70-6457	554.4-555.1	52229	6.8	2.9	87.7	2.6	18.0	7.0	.903	None	
SBR70-6458	555.1-556.1	52230	3.5	2.0	93.0	1.5	9.2	4.8	.910	None	
SBR70-6459	556.1-557.5	52231	6.1	3.8	87.4	2.7	16.3	9.1	.891	None	
SBR70-6460	557.5-559.0	52232	4.3	3.2	89.8	2.7	11.4	7.7	.894	None	
SBR70-6461	559.0-560.0	52233	2.8	2.9	92.7	1.6	7.4	7.0	.902	None	
SBR70-6462	560.0-561.0	52234	3.3	3.9	90.7	2.1	8.8	9.3	.910	None	
SBR70-6463	561.0-562.6	52235	2.5	3.1	92.9	1.5	6.6	7.4	.900	None	
SBR70-6464	562.6-563.6	52236	1.7	2.0	95.2	1.1	4.4a	4.8		None	
SBR70-6465	563.6-564.6	52237	6.9	2.8	88.4	1.9	18.5	6.7	.898	None	
SBR70-6466	564.6-566.0	52238	5.2	3.4	89.9	1.5	14.0	8.1	.887	None	
SBR70-6467	566.0-567.2	52239	9.0	2.7	86.0	2.3	23.9	6.5	.899	None	

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; 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. 1A (con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil[1/]	Water	60°/60° F	coke	Remarks
SBR70-6468	567.2-568.2	52240	8.4	3.1	86.2	2.3	22.9	7.3	0.882	None	
SBR70-6469	568.2-569.9	52241	4.8	2.4	91.0	1.8	12.4	5.8	.924	None	
SBR70-6470	569.9-570.9	52242	7.4	2.9	87.5	2.2	19.2	7.0	.926	None	
SBR70-6471	570.9-572.0	52243	7.1	2.8	87.4	2.7	18.6	6.6	.915	None	
SBR70-6472	572.0-573.9	52244	3.6	2.4	92.3	1.7	9.7	5.8	.892	None	
SBR70-6473	573.9-574.6	52245	6.8	2.5	88.5	2.2	18.3	5.9	.893	None	
SBR70-6474	574.6-575.9	52246	3.2	1.8	92.0	3.0	8.5	4.3	.889	None	
SBR70-6475	575.9-576.9	52247	5.8	3.4	88.3	2.5	15.7	8.1	.890	None	
SBR70-6476	576.9-578.6	52248	4.6	2.6	90.9	1.9	12.2	6.2	.899	None	
SBR70-6477	578.6-579.8	52249	3.9	3.6	90.3	2.2	10.4	8.6	.903	None	
SBR70-6478	580.0-581.0	52250	4.2	3.7	89.9	2.2	11.0	8.9	.902	None	
SBR70-6479	581.0-582.2	52251	4.1	3.6	90.0	2.3	10.9	8.6	.902	None	
SBR70-6480	582.2-583.3	52252	4.4	3.4	89.9	2.3	11.8	8.1	.894	None	
SBR70-6481	583.3-584.2	52253	5.1	3.6	88.7	2.6	13.4	8.6	.910	None	
SBR70-6482	584.2-585.7	52254	4.6	4.1	89.2	2.1	12.4	9.8	.895	None	
SBR70-6483	585.7-587.0	52255	2.8	3.6	92.0	1.6	7.2	8.6	.920	None	
SBR70-6484	587.0-588.0	52256	1.7	2.2	95.5	.6	4.4a	5.3		None	
SBR70-6485	588.0-589.0	52257	1.8	4.1	92.8	1.3	4.7a	9.8		None	
SBR70-6486	589.0-590.0	52258	2.5	4.2	91.8	1.5	6.6	10.1	.898	None	
SBR70-6487	590.0-591.0	52259	6.9	3.9	87.0	2.2	18.8	9.3	.880	None	
SBR70-6488	591.0-592.0	52260	7.0	2.6	88.8	1.6	19.0	6.2	.883	None	
SBR70-6489	592.0-593.1	52261	2.5	1.6	95.2	.7	6.6	4.0	.895	None	
SBR70-6490	593.1-594.3	52262	6.9	3.0	86.9	3.2	18.4	7.3	.899	None	
SBR70-6491	594.3-595.3	52263	3.9	3.5	90.7	1.9	10.3	8.4	.910	None	
SBR70-6492	595.3-596.5	52264	1.9	3.2	93.0	1.9	5.0a	7.7		None	
SBR70-6493	596.5-597.8	52265	1.0	3.7	94.2	1.1	2.6a	9.0		None	
SBR70-6494	597.8-599.0	52266	1.2	3.6	94.3	.9	3.2a	8.6		None	
SBR70-6495	599.0-600.0	52267	1.1	3.7	94.2	1.0	2.8a	8.9		None	
SBR70-6496	600.0-601.0	52268	3.1	3.4	92.2	1.3	8.4	8.1	.898	None	
SBR70-6497	601.0-602.0	52269	3.8	3.8	90.8	1.6	10.3	9.1	.894	None	

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; 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. 1A (con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil[1/]	Water	60°/60° F	coke	Remarks
SBR70-6498	602.0-603.0	52270	2.5	4.4	91.5	1.6	6.7	10.5	0.892	None	
SBR70-6499	603.0-604.0	52271	2.2	3.6	93.0	1.2	6.0	8.5	.899	None	
SBR70-6500	604.0-605.0	52272	1.8	3.4	93.9	.9	4.6a	8.1		None	
SBR70-6501	605.0-606.0	52273	1.7	3.8	93.0	1.5	4.5a	9.0		None	
SBR70-6502	606.0-607.0	52274	2.2	2.6	93.4	1.8	6.0	6.2	.899	None	
SBR70-6503	607.0-608.0	52275	1.4	2.9	94.0	1.7	3.6a	7.0		None	
SBR70-6504	608.0-609.0	52276	.8	2.5	94.5	2.2	2.2a	5.9		None	
SBR70-6505	609.0-610.0	52277	.8	2.9	95.2	1.1	2.0a	7.0		None	
SBR70-6506	610.0-611.0	52278	.6	3.8	94.2	1.4	1.6a	9.1		None	
SBR70-6507	611.0-612.0	52279	.6	4.2	93.4	1.8	1.5a	10.1		None	
SBR70-6508	612.0-613.0	52280	1.0	3.3	93.9	1.8	2.7a	7.9		None	
SBR70-6509	613.0-614.0	52281	4.4	3.2	90.8	1.6	12.0	7.7	.880	None	
SBR70-6510	614.0-615.0	52282	2.6	3.6	91.3	2.5	6.9	8.6	.889	None	
SBR70-6511	615.0-616.0	52283	1.7	3.7	92.7	1.9	4.4a	8.9		None	
SBR70-6512	616.0-617.0	52284	.9	3.7	93.5	1.9	2.3a	8.9		None	
SBR70-6513	617.0-618.5	52285	1.5	3.8	93.3	1.4	3.9a	9.1		None	
SBR70-6514	618.5-620.5	52286	1.6	3.2	93.8	1.4	4.2a	7.7		None	
SBR70-6515	620.5-621.5	52287	.7	2.2	95.5	1.6	1.8a	5.3		None	
SBR70-6516	621.5-622.9	52288	1.4	3.6	93.1	1.9	3.7a	8.6		None	
SBR70-6517	623.0-624.0	52289	1.6	3.3	93.4	1.7	4.1a	7.9		None	
SBR70-6518	624.0-625.0	52290	2.0	3.6	93.0	1.4	5.2a	8.6		None	Some coal.
SBR70-6519	625.0-626.0	52291	.6	3.4	94.8	1.2	1.5a	8.1		None	
SBR70-6520	626.0-627.0	52292	.7	1.9	94.9	2.5	1.7a	4.6		None	
SBR70-6521	627.0-628.0	52293	1.9	3.0	93.3	1.8	4.8a	7.2		None	
SBR70-6522	628.0-629.0	52294	.8	3.5	93.5	2.2	2.0a	8.4		None	
SBR70-6523	629.0-630.0	52295	.9	3.2	94.0	1.9	2.3a	7.7		None	
SBR70-6524	630.0-631.0	52296	1.0	3.4	93.8	1.8	2.5a	8.1		None	
SBR70-6525	631.0-632.0	52297	.8	2.9	93.8	2.5	2.1a	7.0		None	
SBR70-6526	632.0-633.0	52298	.7	2.7	94.8	1.8	1.9a	6.5		None	
SBR70-6527	633.0-634.0	52299	.7	2.7	94.6	2.0	1.7a	6.5		None	

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; 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. 1A (con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil[1/]	Water	60°/60° F	coke	Remarks
SBR70-6528	634.0-635.0	52300	1.1	1.8	95.2	1.9	2.9a	4.3		None	
SBR70-6529	635.0-636.0	52301	1.2	2.1	95.4	1.3	3.0a	5.0		None	
SBR70-6530	636.0-637.0	52302	1.4	2.7	93.7	2.2	3.8a	6.5		None	
SBR70-6531	637.0-638.0	52303	1.1	2.5	94.2	2.2	2.8a	6.0		None	
SBR70-6532	638.0-639.0	52304	1.1	2.0	94.3	2.6	2.8a	4.8		None	
SBR70-6533	639.0-640.4	52305	1.0	3.3	94.1	1.6	2.7a	7.9		None	
SBR70-6534	640.4-641.2	52306	.4	2.0	95.2	2.4	1.1a	4.8		None	
SBR70-6535	641.2-642.0	52307	.9	3.0	93.3	2.8	2.3a	7.2		None	
SBR70-6536	642.0-643.0	52308	.4	1.9	96.0	1.7	.9a	4.6		None	
SBR70-6537	643.0-644.0	52309	.5	3.0	94.3	2.2	1.4a	7.2		None	
SBR70-6538	644.0-645.0	52310	.6	3.3	93.4	2.7	1.6a	7.9		None	
SBR70-6539	645.0-646.0	52311	.5	2.8	95.5	1.2	1.4a	6.7		None	
SBR70-6540	646.0-647.0	52312	1.0	2.8	93.5	2.7	2.7a	6.7		None	
SBR70-6541	647.0-648.0	52313	.8	2.7	93.2	3.3	2.0a	6.5		None	
SBR70-6542	648.0-649.0	52314	1.6	2.3	94.9	1.2	4.1a	5.6		None	
SBR70-6543	649.0-650.0	52315	.9	3.4	93.9	1.8	2.4a	8.1		None	
SBR70-6544	650.0-651.0	52316	.6	2.0	95.2	2.2	1.7a	4.8		None	
SBR70-6545	651.0-652.0	52317	.5	2.8	95.5	1.2	1.3a	6.7		None	
SBR70-6546	652.0-653.0	52318	.9	2.1	94.4	2.6	2.4a	5.0		None	
SBR70-6547	653.0-654.0	52319	1.2	2.5	94.1	2.2	3.0a	6.0		None	
SBR70-6548	654.0-655.4	52320	.9	2.0	93.3	3.8	2.4a	4.8		None	
SBR70-6549	655.4-656.4	52321	.6	2.2	95.1	2.1	1.6a	5.3		None	
SBR70-6550	656.4-657.4	52322	1.4	3.2	92.7	2.7	3.6a	7.7		None	
SBR70-6551	657.4-658.5	52323	1.3	3.3	92.3	3.1	3.4a	7.9		None	
SBR70-6552	658.5-660.0	52324	1.1	4.2	90.9	3.8	2.8a	10.1		None	
SBR70-6553	660.0-661.0	52325	1.1	3.3	94.3	1.3	2.8a	7.9		None	
SBR70-6554	661.0-662.0	52326	1.2	3.6	94.1	1.1	3.0a	8.6		None	
SBR70-6555	662.0-663.0	52327	.9	3.6	94.6	.9	2.3a	8.6		None	
SBR70-6556	663.0-664.0	52328	1.1	1.6	95.0	2.3	2.8a	4.0		None	
SBR70-6557	664.0-666.0	52329	1.0	3.0	95.2	.8	2.6a	7.2		None	

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; 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. 1A (con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil[1/]	Water	60°/60° F	coke	Remarks
SBR70-6558	666.0-668.0	52330	1.0	3.2	94.4	1.4	2.7a	7.7		None	
SBR70-6559	668.0-670.0	52331	1.2	2.8	94.6	1.4	3.0a	6.7		None	
SBR70-6560	670.0-672.0	52332	1.6	2.9	94.5	1.0	4.1a	7.0		None	
SBR70-6561	672.0-674.0	52333	1.1	2.9	93.8	2.2	2.9a	7.0		None	
SBR70-6562	674.0-675.3	52334	.7	2.5	95.2	1.6	1.9a	6.0		None	
SBR70-6563	675.3-676.8	52335	.3	2.3	95.9	1.5	.8a	5.5		None	
SBR70-6564	676.8-677.6	52336	5.6	4.8	85.4	4.2	13.5	11.5	0.998	None	Coal
SBR70-6565	677.6-679.0	52337	.8	2.6	95.2	1.4	2.2a	6.2		None	
SBR70-6566	679.0-680.4	52338	.1	5.2	93.6	1.1	.2a	12.5		None	
SBR70-6567	680.4-681.8	52339	.1	4.5	93.7	1.7	.2a	10.9		None	
SBR70-6568	681.8-682.6	52340	3.6	4.2	89.3	2.9	8.8	10.1	.986	None	Coal
SBR70-6569	682.6-683.5	52341	1.9	3.8	92.3	2.0	5.1a	9.1		None	
SBR70-6570	683.5-685.0	52342	5.1	7.5	83.0	4.4	12.3	18.1	.989	None	Coal
SBR70-6571	685.0-686.2	52343	4.1	6.2	84.9	4.8	9.7	15.0	1.000	None	Coal
SBR70-6572	686.2-687.0	52344	.3	3.0	95.1	1.6	.6a	7.2		None	
SBR70-6573	687.0-689.0	52345	.3	2.9	95.7	1.1	.8a	7.0		None	
SBR70-6574	689.0-691.0	52346	.5	2.7	95.3	1.5	1.3a	6.5		None	
SBR70-6575	691.0-693.0	52347	.6	2.1	95.1	2.2	1.4a	5.0		None	
SBR70-6576	693.0-694.0	52348	.8	1.5	95.8	1.9	2.1a	3.6		None	
SBR70-6577	694.0-695.0	52349	.1	.7	97.7	1.5	.2a	1.8		None	
SBR70-6578	695.0-696.0	52350	.7	2.2	95.4	1.7	1.8a	5.3		None	
SBR70-6579	696.0-696.7	52351	1.2	3.0	93.0	2.8	3.2a	7.2		None	
SBR70-6580	696.7-699.7	52352	.0	.3	98.6	1.1	No Oil	.8		None	
SBR70-6581	699.7-701.3	52353	1.7	6.9	88.3	3.1	4.4a	16.5		None	Coaly shale
SBR70-6582	701.3-702.7	52354	.0	2.0	97.0	1.0	Trace	4.8		None	
SBR70-6583	703.0-703.8	52355	.0	1.7	97.4	.9	No Oil	4.1		None	
SBR70-6584	703.8-704.2	52356	.3	2.5	95.0	2.2	.6a	6.0		None	
SBR70-6585	704.2-706.5	52357	.0	1.6	98.1	.3	Trace	3.8		None	
SBR70-6586	706.5-707.6	52358	.0	1.3	97.7	1.0	No Oil	3.2		None	
SBR70-6587	707.6-708.9	52359	.1	1.6	97.1	1.2	.3a	3.8		None	

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; 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. 1A (con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil[1/]	Water	60°/60° F	coke	Remarks
SBR70-6588	708.9-709.5	52360	0.8	4.2	93.3	1.7	2.0a	10.1		None	
SBR70-6589	709.5-710.8	52361	.0	3.0	96.3	.7	Trace	7.1		None	
SBR70-6590	710.8-713.0	52362	.4	3.4	95.4	.8	.9a	8.1		None	
SBR70-6591	713.0-714.3	52363	1.5	8.5	86.3	3.7	4.0a	20.4		None	Some coal
SBR70-6592	714.3-715.5	52364	1.3	2.0	94.7	2.0	3.3a	4.8		None	
SBR70-6593	715.5-716.4	52365	3.2	4.0	91.4	1.4	8.7	9.6	0.892	None	
SBR70-6594	716.4-717.4	52366	4.3	9.5	80.2	6.0	10.5	22.8	.974	None	Coaly shale & coal
SBR70-6595	717.4-719.0	52367	9.1	8.8	75.3	6.8	22.0	21.1	.991	None	Coal
SBR70-6596	719.0-720.6	52368	2.5	7.1	86.8	3.6	6.2	17.0	.982	None	Coal & coaly shale
SBR70-6597	720.6-722.8	52369	.9	2.0	95.8	1.3	2.3a	4.8		None	
SBR70-6598	722.8-725.0	52370	8.8	14.4	65.5	11.3	22.8a	34.5		None	Coal
SBR70-6599	725.0-726.4	52371	1.9	13.7	76.8	7.6	5.0a	32.8		None	Coaly shale & coal
SBR70-6600	726.4-727.1	52372	.1	2.1	96.5	1.3	.2a	5.0		None	
SBR70-6601	727.1-728.5	52373	.1	3.2	95.7	1.0	.3a	7.7		None	
SBR70-6602	728.5-730.2	52374	1.4	2.5	94.3	1.8	3.6a	6.0		None	Some coaly shale
SBR70-6603	730.2-730.9	52375	.0	1.5	97.9	.6	No Oil	3.6		None	
SBR70-6604	730.9-733.0	52376	.0	.9	98.0	1.1	No Oil	2.3		None	
SBR70-6605	733.0-735.8	52377	.1	1.4	98.4	.1	.2a	3.4		None	
SBR70-6606	735.8-739.9	52378	.0	.4	97.5	2.1	No Oil	1.1		None	
SBR70-6607	739.9-740.7	52379	.4	2.4	96.0	1.2	1.2a	5.8		None	
SBR70-6608	740.7-742.2	52380	.0	1.7	97.9	.4	No Oil	4.0		None	
SBR70-6609	743.0-744.1	52381	.3	3.2	95.1	1.4	.8a	7.7		None	
SBR70-6610	744.1-745.3	52382	.9	3.1	93.8	2.2	2.3a	7.4		None	Some coaly shale
SBR70-6611	745.3-748.5	52383	.0	.3	99.1	.6	No Oil	.8		None	
SBR70-6612	748.5-750.6	52384	.0	.2	99.0	.8	No Oil	.6		None	
SBR70-6613	750.6-753.7	52385	.0	.8	98.3	.9	Trace	1.9		None	
SBR70-6614	753.7-756.7	52386	.2	2.8	95.4	1.6	.6a	6.7		None	
SBR70-6615	756.7-757.6	52387	.0	1.0	98.7	.3	No Oil	2.4		None	
SBR70-6616	762.0-767.2	52388	.0	.2	99.2	.6	No Oil	.6		None	
SBR70-6617	767.2-771.3	52389	.0	.2	98.9	.9	No Oil	.6		None	

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; 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. 1A (con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil[1/]	Water	60°/60° F	coke	Remarks
SBR70-6618	771.3-772.5	52390	0.5	2.3	96.0	1.2	1.4a	5.4		None	
SBR70-6619	773.0-774.9	52391	.4	3.5	94.9	1.2	.9a	8.4		None	
SBR70-6620	774.9-775.9	52392	.2	2.6	95.3	1.9	.5a	6.2		None	
SBR70-6621	775.9-778.0	52393	9.5	12.0	67.6	10.9	24.8a	28.8		None	Coal
SBR70-6622	778.0-779.7	52394	8.7	12.8	68.6	9.9	22.8a	30.6		None	Coal
SBR70-6623	779.7-786.2	52395	.0	.3	99.1	.6	No Oil	.6		None	
SBR70-6624	786.2-790.4	52396	.0	.8	97.5	1.7	No Oil	1.9		None	
SBR70-6625	790.4-791.3	52397	1.9	6.6	87.9	3.6	4.9a	15.8		None	Coal & coaly shale
SBR70-6626	791.3-793.0	52398	.1	2.1	97.2	.6	.2a	5.0		None	
SBR70-6627	793.0-794.0	52399	.4	1.9	96.8	.9	1.2a	4.6		None	
SBR70-6628	794.0-795.0	52400	.4	.9	97.5	1.2	.9a	2.2		None	
SBR70-6629	795.0-796.0	52401	.5	1.7	97.0	.8	1.4a	4.1		None	
SBR70-6630	796.0-797.3	52402	.7	2.8	95.3	1.2	1.8a	6.7		None	
SBR70-6631	797.3-798.3	52403	.6	3.5	94.8	1.1	1.5a	8.4		None	
SBR70-6632	798.3-799.6	52404	8.3	8.9	76.8	6.0	21.6a	21.4		None	Coal
SBR70-6633	799.6-801.3	52405	.1	.6	98.5	.8	.3a	1.4		None	
SBR70-6634	801.3-802.7	52406	.6	1.6	96.7	1.1	1.6a	3.8		None	
SBR70-6635	802.7-803.7	52407	3.1	2.7	91.7	2.5	8.1a	6.5		None	Some coaly shale
SBR70-6636	803.7-804.2	52408	6.8	4.6	84.8	3.8	16.8	10.9	0.975	None	Coaly shale
SBR70-6637	804.2-806.1	52409	6.2	10.6	74.9	8.3	14.9	25.4	1.000	None	Coal & coaly shale
SBR70-6638	806.1-807.4	52410	.2	1.6	97.6	.6	.5a	3.8		None	
SBR70-6639	807.4-808.4	52411	.0	4.6	94.3	1.1	No Oil	10.9		None	
SBR70-6640	808.4-810.4	52412	.2	2.1	97.1	.6	.4a	5.0		None	
SBR70-6641	810.4-812.1	52413	.7	3.9	93.8	1.6	1.8a	9.3		None	
SBR70-6642	812.1-813.6	52414	.1	1.2	96.5	2.2	.3a	2.9		None	
SBR70-6643	813.6-814.9	52415	.3	2.3	96.5	.9	.8a	5.5		None	
SBR70-6644	814.9-816.7	52416	.0	1.1	98.1	.8	No Oil	2.5		None	
SBR70-6645	816.7-818.1	52417	.5	3.0	93.9	2.6	1.4a	7.2		None	
SBR70-6646	818.1-819.9	52418	.9	2.2	94.8	2.1	2.4a	5.3		None	
SBR70-6647	819.9-821.0	52419	1.1	2.4	95.5	1.0	2.9a	5.8		None	

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; Assays made on air-dried samples

Laramie Energy Research Center, Laramie, Wyoming, Illustration No. SBR-4253P Sheet No. 16 of 26 sheets August 11, 1970

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Washakie Basin Corehole No. 1A (con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton 1/		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil	Water	60°/60° F	coke	Remarks
SBR70-6648	821.0-822.4	52420	2.3	2.8	93.1	1.8	5.8	6.7	0.923	None	Some coaly streaks
SBR70-6649	822.4-823.3	52421	.6	1.5	96.7	1.2	1.5a	3.6		None	
SBR70-6650	823.3-824.0	52422	.4	.7	97.9	1.0	1.0a	1.8		None	
SBR70-6651	824.0-825.4	52423	1.1	2.7	95.4	.8	2.9a	6.5		None	
SBR70-6652	825.4-826.8	52424	.5	1.2	97.0	1.3	1.3a	2.9		None	
SBR70-6653	826.8-827.4	52425	1.0	2.5	95.9	.6	2.6a	6.0		None	
SBR70-6654	827.4-828.7	52426	.0	.9	98.1	1.0	Trace	2.1		None	
SBR70-6655	828.7-830.7	52427	.4	2.0	96.6	1.0	1.1a	4.8		None	
SBR70-6656	830.7-832.7	52428	.2	1.9	95.9	2.0	.6a	4.6		None	
SBR70-6657	833.0-835.0	52429	.8	2.5	95.9	.8	2.2a	6.0		None	
SBR70-6658	835.0-837.0	52430	.9	2.5	94.6	2.0	2.3a	6.0		None	
SBR70-6659	837.0-839.0	52431	.5	2.9	95.8	.8	1.2a	7.0		None	
SBR70-6660	839.0-841.0	52432	.9	3.0	94.9	1.2	2.4a	7.2		None	
SBR70-6661	841.0-843.0	52433	1.2	2.7	95.0	1.1	3.1a	6.5		None	
SBR70-6662	843.0-845.0	52434	1.3	2.8	94.7	1.2	3.4a	6.7		None	
SBR70-6663	845.0-847.0	52435	1.2	3.0	94.7	1.1	3.2a	7.2		None	
SBR70-6664	847.0-849.0	52436	1.2	1.7	95.5	1.6	3.2a	4.1		None	
SBR70-6665	849.0-850.7	52437	1.3	2.6	95.4	.7	3.3a	6.2		None	
SBR70-6666	850.7-852.7	52438	.8	1.8	96.2	1.2	2.1a	4.3		None	
SBR70-6667	852.7-854.7	52439	.8	2.3	95.6	1.3	2.2a	5.5		None	
SBR70-6668	854.7-855.7	52440	1.0	3.4	94.0	1.6	2.7a	8.1		None	
SBR70-6669	855.7-857.3	52441	1.4	3.8	92.1	2.7	3.6a	9.1		None	
SBR70-6670	857.3-859.0	52442	.0	1.6	97.0	1.4	Trace	3.7		None	
SBR70-6671	859.0-860.2	52443	.0	2.9	94.8	2.3	Trace	7.0		None	
SBR70-6672	860.2-861.2	52444	2.1	2.5	91.5	3.9	5.5	6.0	.925	None	
SBR70-6673	861.2-861.7	52445	.6	2.6	94.1	2.7	1.5a	6.2		None	
SBR70-6674	861.7-864.2	52446	.0	.4	99.1	.5	No Oil	1.0		None	
SBR70-6675	864.2-866.2	52447	.0	.4	98.9	.7	No Oil	1.0		None	
SBR70-6676	866.2-867.6	52448	.0	.5	98.7	.8	No Oil	1.1		None	
SBR70-6677	867.6-869.0	52449	.0	2.1	97.0	.9	Trace	5.0		None	

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; 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. 1A (con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale
			Weight percent				Gal per ton		of oil at	Tendency to
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil[1/]	Water	60°/60° F	coke
SBR70-6678	869.0-870.7	52450	0.0	1.1	95.1	3.8	No Oil	2.5		None
SBR70-6679	871.0-872.5	52451	.0	1.0	97.7	1.3	Trace	2.5		None
SBR70-6680	872.5-873.6	52452	.0	.5	98.9	.6	No Oil	1.1		None
SBR70-6681	873.6-876.0	52453	.0	1.2	97.8	1.0	No Oil	2.8		None
SBR70-6682	876.0-877.0	52454	.4	2.2	94.8	2.6	1.0a	5.3		None
SBR70-6683	877.0-879.1	52455	.3	2.7	94.9	2.1	.7a	6.5		None
SBR70-6684	879.1-880.1	52456	.6	2.9	93.9	2.6	1.6a	7.0		None
SBR70-6685	880.1-882.0	52457	.7	2.7	94.2	2.4	1.7a	6.5		None
SBR70-6686	882.0-884.0	52458	.9	3.2	93.9	2.0	2.4a	7.7		None
SBR70-6687	884.0-887.0	52459	1.0	3.7	94.4	.9	2.6a	8.9		None
SBR70-6688	887.0-889.0	52460	1.0	3.6	94.2	1.2	2.7a	8.6		None
SBR70-6689	889.6-891.0	52461	1.6	3.4	94.0	1.0	4.2a	8.1		None
SBR70-6690	893.0-895.0	52462	2.8	2.8	91.9	2.5	7.3	6.7	0.920	None
SBR70-6691	895.0-897.0	52463	4.9	4.0	89.2	1.9	13.0	9.6	.900	None
SBR70-6692	897.0-898.0	52464	4.8	3.2	88.6	3.4	12.6	7.7	.913	None
SBR70-6693	898.0-899.0	52465	4.0	4.2	89.5	2.3	10.4	10.1	.918	None
SBR70-6694	899.0-900.0	52466	4.9	4.3	88.3	2.5	12.9	10.3	.916	None
SBR70-6695	900.0-901.0	52467	4.3	4.0	89.3	2.4	11.2	9.6	.920	None
SBR70-6696	901.0-902.0	52468	5.9	3.5	87.9	2.7	15.4	8.4	.924	None
SBR70-6697	902.0-903.0	52469	5.9	3.5	87.8	2.8	15.4	8.4	.924	None
SBR70-6698	903.0-904.0	52470	3.6	3.4	91.0	2.0	9.3	8.1	.921	None
SBR70-6699	904.0-905.0	52471	3.6	3.5	90.7	2.2	9.9	8.4	.889	None
SBR70-6700	905.0-906.0	52472	.7	1.9	94.6	2.8	1.9a	4.6		None
SBR70-6701	906.0-907.0	52473	.5	3.1	95.0	1.4	1.2a	7.4		None
SBR70-6702	907.0-908.0	52474	1.1	3.8	93.3	1.8	2.9a	9.1		None
SBR70-6703	908.0-909.0	52475	1.5	3.2	93.5	1.8	3.8a	7.7		None
SBR70-6704	909.0-910.0	52476	1.4	3.5	93.1	2.0	3.5a	8.4		None
SBR70-6705	910.0-911.0	52477	2.5	2.7	92.5	2.3	6.6	6.5	.924	None
SBR70-6706	911.0-912.5	52478	3.3	3.9	90.4	2.4	8.5	9.3	.931	None
SBR70-6707	913.0-914.0	52479	1.2	4.4	92.7	1.7	3.2a	10.5		None

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; 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. 1A (con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil[1/]	Water	60°/60° F	coke	Remarks
SBR70-6708	914.0-915.5	52480	1.7	4.2	92.1	2.0	4.5a	10.1		None	
SBR70-6709	915.5-916.5	52481	3.3	4.6	90.0	2.1	8.5	11.0	0.924	None	
SBR70-6710	916.5-918.0	52482	4.8	3.6	89.0	2.6	12.4	8.6	.927	None	
SBR70-6711	918.0-919.0	52483	4.3	3.6	98.6	2.5	11.2	8.6	.924	None	
SBR70-6712	919.0-920.0	52484	3.1	3.6	91.0	2.3	8.0	8.6	.922	None	
SBR70-6713	920.0-921.0	52485	3.8	3.6	90.5	2.1	10.0	8.6	.921	None	
SBR70-6714	921.0-922.0	52486	3.9	3.8	89.7	2.6	10.2	9.1	.924	None	
SBR70-6715	922.0-923.0	52487	3.4	3.6	90.8	2.2	8.9	8.6	.922	None	
SBR70-6716	923.0-924.0	52488	3.3	3.8	90.8	2.1	8.5	9.1	.921	None	
SBR70-6717	924.0-925.0	52489	4.5	3.1	90.0	2.4	11.8	7.4	.920	None	
SBR70-6718	925.0-926.0	52490	2.3	3.8	91.5	2.4	6.0	9.1	.919	None	
SBR70-6719	926.0-927.7	52491	2.2	4.0	91.9	1.9	5.6	9.6	.919	None	
SBR70-6720	927.7-928.7	52492	1.6	2.3	93.3	2.8	4.1a	5.5		None	
SBR70-6721	928.7-929.7	52493	1.6	2.4	94.1	1.9	4.3a	5.8		None	
SBR70-6722	929.7-930.7	52494	2.6	3.4	92.4	1.6	6.8	8.1	.919	None	
SBR70-6723	930.7-931.9	52495	2.0	4.0	92.7	1.3	5.3	9.6	.911	None	
SBR70-6724	931.9-932.9	52496	1.7	2.6	93.7	2.0	4.5a	6.2		None	
SBR70-6725	933.0-934.0	52497	2.1	3.2	93.5	1.2	5.6	7.7	.914	None	
SBR70-6726	934.0-935.0	52498	2.5	3.0	92.1	2.4	6.5	7.2	.925	None	
SBR70-6727	935.0-936.0	52499	3.3	3.6	90.7	2.4	8.7	8.6	.918	None	
SBR70-6728	936.0-937.2	52500	3.0	3.8	90.8	2.4	7.9	9.1	.919	None	
SBR70-6729	937.2-938.2	52501	3.2	4.8	90.5	1.5	8.4	11.5	.922	None	
SBR70-6730	938.2-939.4	52502	3.4	4.4	89.8	2.4	8.7	10.5	.922	None	
SBR70-6731	939.4-940.6	52503	2.6	4.2	90.4	2.8	6.9	10.1	.920	None	
SBR70-6732	940.6-941.8	52504	2.7	4.6	90.5	2.2	7.1	11.0	.912	None	
SBR70-6733	941.8-942.8	52505	2.8	3.8	90.4	3.0	7.3	9.1	.909	None	
SBR70-6734	942.8-943.8	52506	3.9	3.7	90.7	1.7	10.3	8.9	.909	None	
SBR70-6735	943.8-944.9	52507	1.1	1.3	97.4	.2	2.9a	3.1		None	
SBR70-6736	944.9-946.1	52508	1.9	2.4	93.6	2.1	5.1a	5.8		None	
SBR70-6737	946.1-947.4	52509	2.0	3.0	94.0	1.0	5.3	7.2	.899	None	

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; 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. 1A (con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton		of oil at		
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil[1/]	Water	60°/60° F	Tendency to coke	Remarks
SBR70-6738	947.4-948.6	52510	0.9	2.1	95.9	1.1	2.3a	5.0		None	
SBR70-6739	948.6-849.9	52511	2.9	3.0	92.2	1.9	7.7	7.2	0.902	None	
SBR70-6740	950.0-951.0	52512	2.7	3.3	92.7	1.3	7.1	7.9	.900	None	
SBR70-6741	951.0-952.0	52513	2.6	3.0	91.7	2.7	6.7	7.2	.914	None	
SBR70-6742	952.0-953.0	52514	2.2	3.3	91.9	2.6	5.7	7.9	.921	None	
SBR70-6743	953.0-954.0	52515	1.2	3.9	92.4	2.5	3.0a	9.3		None	
SBR70-6744	954.0-955.0	52516	2.0	4.2	91.0	2.8	5.2	10.1	.922	None	
SBR70-6745	955.0-956.0	52517	1.6	4.2	91.6	2.6	4.2a	10.1		None	
SBR70-6746	956.0-957.0	52518	1.6	3.8	91.7	2.9	4.0a	9.1		None	
SBR70-6747	957.0-958.3	52519	1.6	4.4	91.2	2.8	4.2a	10.5		None	
SBR70-6748	958.3-959.8	52520	2.0	3.0	91.8	3.2	5.1a	7.2		None	
SBR70-6749	959.8-960.8	52521	2.8	4.4	90.6	2.2	7.2	10.5	.923	None	
SBR70-6750	960.8-962.0	52522	2.2	3.2	92.4	2.2	5.8	7.7	.922	None	
SBR70-6751	962.0-963.0	52523	2.4	3.0	92.9	1.7	6.2	7.2	.917	None	
SBR70-6752	963.0-964.0	52524	1.8	2.5	94.4	1.3	4.6a	6.0		None	
SBR70-6753	964.0-965.0	52525	2.5	3.4	92.2	1.9	6.6	8.1	.923	None	
SBR70-6754	965.0-966.0	52526	2.6	4.0	91.6	1.8	6.8	9.6	.925	None	
SBR70-6755	966.0-967.3	52527	3.5	3.8	90.7	2.0	9.1	9.1	.927	None	
SBR70-6756	967.3-968.7	52528	1.7	2.7	94.1	1.5	4.4a	6.5		None	
SBR70-6757	968.7-969.7	52529	2.2	2.6	93.2	2.0	5.8	6.2	.920	None	
SBR70-6758	969.7-970.9	52530	2.1	3.2	93.3	1.4	5.4	7.7	.927	None	
SBR70-6759	970.9-972.2	52531	2.2	3.8	92.5	1.5	5.8	9.1	.914	None	
SBR70-6760	972.2-974.2	52532	.7	2.5	95.4	1.4	1.7a	6.0		None	
SBR70-6761	974.2-975.2	52533	.9	2.3	96.2	.6	2.3a	5.4		None	
SBR70-6762	975.2-976.4	52534	2.0	2.0	94.2	1.8	5.1a	4.8		None	
SBR70-6763	976.4-977.4	52535	1.8	2.5	94.5	1.2	4.8a	6.0		None	
SBR70-6764	977.4-978.5	52536	1.3	2.4	95.0	1.3	3.4a	5.8		None	
SBR70-6765	978.5-979.5	52537	2.4	4.0	91.2	2.4	6.3	9.6	.917	None	
SBR70-6766	979.5-980.8	52538	2.8	4.0	90.6	2.6	7.3	9.6	.924	None	
SBR70-6767	980.8-982.0	52539	2.6	3.6	91.7	2.1	6.7	8.6	.925	None	

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; 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. 1A (con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton		of oil at	Tendency to	
Laramie	Their	Their	Oil	Water	Spent shale	Gas + loss	Oil 1/	Water	60°/60° F	coke	Remarks
SBR70-6768	982.0- 983.7	52540	2.5	3.6	92.6	1.3	6.5	8.6	0.920	None	
SBR70-6769	983.7- 984.7	52541	1.2	2.4	95.2	1.2	3.1a	5.8		None	
SBR70-6770	984.7- 986.1	52542	3.3	4.0	91.0	1.7	8.5	9.6	.925	None	
SBR70-6771	986.1- 987.1	52543	3.5	4.8	89.9	1.8	9.1	11.5	.922	None	
SBR70-6772	987.1- 988.1	52544	1.8	2.2	93.1	2.9	4.8a	5.3		None	
SBR70-6773	988.1- 989.3	52545	2.7	3.8	92.2	1.3	7.0	9.1	.920	None	
SBR70-6774	989.3- 990.5	52546	2.6	3.8	92.4	1.2	6.7	9.1	.916	None	
SBR70-6775	990.5- 992.0	52547	2.6	3.6	92.0	1.8	6.8	8.6	.921	None	
SBR70-6776	992.0- 993.0	52548	2.7	3.8	91.8	1.7	7.1	9.1	.919	None	
SBR70-6777	993.0- 994.0	52587	2.5	3.4	92.6	1.5	6.5	8.1	.920	None	
SBR70-6778	994.0- 995.0	52588	2.6	3.0	92.8	1.6	6.8	7.2	.916	None	
SBR70-6779	995.0- 996.0	52589	2.6	3.8	92.3	1.3	6.7	9.1	.915	None	
SBR70-6780	996.0- 997.0	52590	2.7	4.2	91.6	1.5	7.2	10.1	.914	None	
SBR70-6781	997.0- 998.0	52591	2.2	4.2	92.1	1.5	5.8	10.1	.912	None	
SBR70-6782	998.0- 999.0	52592	2.1	2.8	92.2	2.9	5.4	6.7	.925	None	
SBR70-6783	999.0-1000.0	52593	3.3	4.4	91.0	1.3	8.5	10.5	.923	None	
SBR70-6784	1000.0-1001.2	52594	3.1	4.6	89.9	2.4	7.9	11.0	.927	None	
SBR70-6785	1001.2-1002.2	52595	3.3	4.3	90.8	1.6	8.6	10.3	.927	None	
SBR70-6786	1002.2-1003.2	52596	2.4	4.1	91.5	2.0	6.1	9.8	.927	None	
SBR70-6787	1003.2-1004.2	52597	3.0	4.1	91.3	1.6	7.9	9.7	.922	None	
SBR70-6788	1004.2-1005.2	52598	2.6	4.5	91.4	1.5	6.9	10.7	.920	None	
SBR70-6789	1005.2-1006.2	52599	2.7	3.8	91.6	1.9	7.0a	9.2		None	
SBR70-6790	1006.2-1007.2	52600	3.2	3.4	91.2	2.2	8.2	8.1	.919	None	
SBR70-6791	1007.2-1008.2	52601	2.6	3.5	91.9	2.0	6.8	8.4	.923	None	
SBR70-6792	1008.2-1009.2	52602	2.4	4.2	91.5	1.9	6.4	9.9	.924	None	
SBR70-6793	1009.2-1010.2	52603	2.9	4.6	90.5	2.0	7.5	11.1	.926	None	
SBR70-6794	1010.2-1011.6	52604	3.2	4.0	90.9	1.9	8.4	9.5	.925	None	
SBR70-6795	1011.6-1013.0	52605	3.5	3.9	91.2	1.4	8.9	9.3	.926	None	
SBR70-6796	1013.0-1014.0	52606	3.2	4.0	90.3	2.5	8.1	9.6	.926	None	
SBR70-6797	1014.0-1015.0	52607	3.9	3.9	90.3	1.9	10.2	9.2	.925	None	

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; 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. 1A (con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil[1/]	Water	60°/60° F	coke	Remarks
SBR70-6798	1015.0-1016.3	52611	2.2	3.6	91.7	2.5	5.8	8.5	0.925	None	
SBR70-6799	1016.3-1017.3	52612	3.4	4.0	90.6	2.0	8.8	9.6	.927	None	
SBR70-6800	1017.3-1018.3	52613	4.2	3.2	90.1	2.5	10.8	7.7	.929	None	
SBR70-6801	1018.3-1019.3	52614	2.0	3.3	93.3	1.4	5.3	7.9	.925	None	
SBR70-6802	1019.3-1020.3	52615	1.5	4.0	93.3	1.2	4.0a	9.6		None	
SBR70-6803	1020.3-1021.5	52616	1.9	2.0	93.2	2.9	5.0a	4.8		None	
SBR70-6804	1021.5-1023.1	52617	1.3	3.2	94.3	1.2	3.5a	7.7		None	
SBR70-6805	1023.1-1024.9	52618	1.8	2.6	93.9	1.7	4.8a	6.2		None	
SBR70-6806	1024.9-1025.9	52619	1.6	2.2	94.8	1.4	4.2a	5.3		None	
SBR70-6807	1025.9-1027.0	52620	3.0	2.6	92.2	2.2	7.9	6.2	.922	None	
SBR70-6808	1027.0-1028.0	52621	1.7	2.2	94.6	1.5	4.4a	5.3		None	
SBR70-6809	1028.0-1029.0	52622	1.7	2.7	94.0	1.6	4.5a	6.4		None	
SBR70-6810	1029.0-1030.0	52623	1.7	3.1	93.4	1.8	4.4a	7.4		None	
SBR70-6811	1030.0-1031.0	52624	2.0	3.3	92.9	1.8	5.1a	7.9		None	
SBR70-6812	1031.0-1032.0	52625	1.4	3.0	94.5	1.1	3.5a	7.2		None	
SBR70-6813	1032.0-1033.0	52626	1.4	2.2	95.4	1.0	3.5a	5.3		None	
SBR70-6814	1033.0-1033.8	52627	2.9	3.6	91.3	2.2	7.5	8.5	.925	None	
SBR70-6815	1033.8-1034.3	52641	.4	.5	98.5	.6	.9a	1.3		None	
SBR70-6816	1034.3-1034.9	52645	2.0	2.3	94.2	1.5	5.0	5.5	.953	None	
SBR70-6817	1034.9-1036.4	52646	2.4	3.0	92.5	2.1	6.1	7.2	.956	None	Some coal
SBR70-6818	1036.4-1038.0	52647	1.6	2.9	93.1	2.4	4.1a	7.1		None	
SBR70-6819	1038.0-1039.0	52648	1.4	3.4	93.5	1.7	3.5a	8.1		None	
SBR70-6820	1039.0-1040.0	52649	1.5	2.8	93.5	2.2	3.9a	6.6		None	
SBR70-6821	1040.0-1041.0	52650	1.9	2.7	92.3	3.1	4.9a	6.5		None	
SBR70-6822	1041.0-1042.0	52651	1.6	3.8	93.6	1.0	4.2a	9.1		None	
SBR70-6823	1042.0-1043.0	52652	.5	2.7	94.3	2.5	1.2a	6.5		None	
SBR70-6824	1043.0-1044.0	52653	.8	3.0	95.3	.9	2.1a	7.2		None	
SBR70-6825	1044.0-1044.6	52654	.5	3.3	94.9	1.3	1.2a	7.9		None	
SBR70-6826	1044.6-1046.6	52655	.1	.8	98.3	.8	.2a	1.9		None	
SBR70-6827	1046.6-1048.6	52656	.1	1.5	97.9	.5	.2a	3.6		None	

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; 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. 1A (con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil[1/]	Water	60°/60° F	coke	Remarks
SBR70-6828	1048.6-1049.8	52657	0.2	1.6	97.0	1.2	0.5a	3.8		None	
SBR70-6829	1049.8-1051.4	52658	1.3	3.6	93.4	1.7	3.5a	8.6		None	
SBR70-6830	1051.4-1052.7	52659	.8	1.6	96.9	.7	2.0a	3.8		None	
SBR70-6831	1052.7-1053.7	52660	.7	1.8	95.9	1.6	1.9a	4.3		None	
SBR70-6832	1053.7-1054.9	52661	.4	1.8	97.1	.7	1.2a	4.2		None	
SBR70-6833	1054.9-1056.1	52662	.4	1.7	97.2	.7	1.1a	4.1		None	
SBR70-6834	1056.1-1056.6	52663	3.0	2.4	92.9	1.7	7.8a	5.8		None	Some coal
SBR70-6835	1056.6-1057.6	52664	1.3	1.3	96.1	1.3	3.3a	3.1		None	
SBR70-6836	1057.6-1059.0	52665	.7	2.0	96.6	.7	1.8a	4.8		None	
SBR70-6837	1059.0-1060.0	52666	.5	2.3	96.2	1.0	1.4a	5.5		None	
SBR70-6838	1060.0-1061.0	52667	.7	2.9	95.2	1.2	1.7a	7.0		None	
SBR70-6839	1061.0-1062.0	52668	.6	2.3	95.8	1.3	1.7a	5.5		None	
SBR70-6840	1062.0-1063.0	52669	.8	2.7	95.8	.7	2.0a	6.5		None	
SBR70-6841	1063.0-1063.5	52670	1.1	2.6	94.8	1.5	2.8a	6.2		None	
SBR70-6842	1063.5-1067.3	52671	.0	.4	99.0	.6	No Oil	1.0		None	
SBR70-6843	1067.3-1070.1	52672	.0	.6	98.9	.5	No Oil	1.4		None	
SBR70-6844	1070.1-1071.1	52673	.0	1.1	97.1	1.8	No Oil	2.7		None	
SBR70-6845	1071.1-1072.0	52674	.3	2.7	96.1	.9	.8a	6.5		None	
SBR70-6846	1072.0-1073.0	52675	.9	3.0	95.1	1.0	2.2a	7.2		None	
SBR70-6847	1073.0-1074.0	52676	1.3	1.6	95.4	1.7	3.3a	3.8		None	
SBR70-6848	1074.0-1075.0	52677	1.0	1.8	96.4	.8	2.7a	4.3		None	
SBR70-6849	1075.0-1076.0	52678	.5	2.8	95.5	1.2	1.2a	6.7		None	
SBR70-6850	1076.0-1077.2	52679	.6	2.7	96.3	.4	1.6a	6.5		None	
SBR70-6851	1077.2-1078.2	52680	3.3	2.0	93.0	1.7	8.2	4.8	.956	None	Coaly shale
SBR70-6852	1078.2-1079.3	52681	.5	1.9	97.0	.6	1.2a	4.6		None	
SBR70-6853	1079.3-1080.7	52682	.8	2.3	95.6	1.3	2.2a	5.5		None	
SBR70-6854	1080.7-1081.7	52683	.5	.9	97.8	.8	1.3a	2.0		None	
SBR70-6855	1081.7-1083.5	52684	2.4	3.1	92.8	1.7	6.0	7.4	.961	None	
SBR70-6856	1083.5-1084.5	52685	3.4	2.8	91.4	2.4	8.5	6.7	.964	None	Coaly shale
SBR70-6857	1084.5-1085.6	52686	3.8	4.1	90.8	1.3	9.6	9.8	.947	None	Coaly shale

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; 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. 1A (con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil[1/]	Water	60°/60° F	coke	Remarks
SBR70-6858	1085.6-1087.0	52687	0.5	3.3	94.8	1.4	1.4a	7.9		None	
SBR70-6859	1087.0-1088.0	52688	3.0	1.8	93.2	2.0	7.4	4.3	0.962	None	Coaly shale
SBR70-6860	1088.0-1088.8	52689	11.1	10.0	71.8	7.1	29.0a	24.0		None	Coal
SBR70-6861	1088.8-1089.3	52690	3.3	2.8	91.7	2.2	8.1	6.7	.984	None	Coaly shale
SBR70-6862	1089.3-1089.8	52691	13.1	9.0	70.2	7.7	34.1a	21.6		None	Coal
SBR70-6863	1089.8-1091.5	52692	2.8	3.6	91.5	2.1	6.8	8.6	.973	None	Some coal
SBR70-6864	1091.5-1092.6	52693	.8	1.6	96.6	1.0	2.2a	3.8		None	
SBR70-6865	1092.6-1093.8	52694	1.3	2.5	94.8	1.4	3.5a	6.0		None	
SBR70-6866	1093.8-1095.0	52695	2.8	3.0	92.3	1.9	7.4	7.3	.895	None	
SBR70-6867	1095.0-1096.0	52696	2.4	3.6	92.3	1.7	6.6	8.6	.889	None	
SBR70-6868	1096.0-1097.0	52697	1.8	3.5	93.1	1.6	4.8a	8.4		None	
SBR70-6869	1097.0-1098.0	52698	1.6	3.7	92.9	1.8	4.2a	8.9		None	
SBR70-6870	1098.0-1099.0	52699	1.2	3.7	93.7	1.4	3.0a	8.9		None	
SBR70-6871	1099.0-1100.0	52700	1.2	3.5	93.8	1.5	3.1a	8.4		None	
SBR70-6872	1100.0-1101.0	52701	1.1	3.0	94.6	1.3	2.9a	7.2		None	
SBR70-6873	1101.0-1102.0	52702	.9	3.5	94.4	1.2	2.4a	8.4		None	
SBR70-6874	1102.0-1103.0	52703	.8	3.6	94.4	1.2	2.1a	8.6		None	
SBR70-6875	1103.0-1104.0	52704	1.0	3.0	94.5	1.5	2.5a	7.2		None	
SBR70-6876	1104.0-1105.0	52705	1.4	3.1	93.9	1.6	3.6a	7.4		None	
SBR70-6877	1105.0-1106.0	52706	.8	1.7	96.4	1.1	2.1a	4.1		None	
SBR70-6878	1106.0-1107.0	52707	1.5	3.0	93.9	1.6	3.9a	7.2		None	
SBR70-6879	1107.0-1108.0	52708	1.8	2.5	93.4	2.3	4.8a	6.0		None	
SBR70-6880	1108.0-1109.7	52709	2.0	2.0	94.3	1.7	5.1a	4.8		None	
SBR70-6881	1109.7-1110.7	52710	2.0	2.7	93.8	1.5	5.2a	6.5		None	
SBR70-6882	1110.7-1111.7	52711	1.6	3.4	93.8	1.2	4.1a	8.1		None	
SBR70-6883	1111.7-1112.7	52712	1.5	2.4	92.5	3.6	3.8a	5.8		None	
SBR70-6884	1112.7-1113.7	52713	1.0	3.3	94.4	1.3	2.6a	7.9		None	
SBR70-6885	1113.7-1114.7	52714	1.1	3.0	94.6	1.3	2.8a	7.2		None	
SBR70-6886	1114.7-1115.6	52715	1.8	3.0	93.2	2.0	4.6a	7.2		None	
SBR70-6887	1115.6-1119.9	52716	.0	.6	99.0	.4	No Oil	1.4		None	

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; 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. 1A (con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil[1/]	Water	60°/60° F	coke	Remarks
SBR70-6888	1119.9-1123.8	52717	0.0	0.7	99.0	0.3	No Oil	1.7		None	
SBR70-6889	1123.8-1126.6	52718	.0	.5	99.2	.3	No Oil	1.2		None	
SBR70-6890	1126.6-1130.5	52719	.0	.9	98.8	.3	No Oil	2.2		None	
SBR70-6891	1130.5-1133.0	52720	.0	1.7	98.0	.3	Trace	4.0		None	
SBR70-6892	1133.0-1134.2	52721	1.3	2.2	95.2	1.3	3.5a	5.3		None	
SBR70-6893	1134.2-1135.5	52722	1.3	1.4	96.3	1.0	3.4a	3.4		None	
SBR70-6894	1135.5-1136.9	52723	1.8	2.1	94.8	1.3	4.7a	5.0		None	
SBR70-6895	1136.9-1137.9	52724	.1	1.4	97.6	.9	.4a	3.4		None	
SBR70-6896	1137.9-1143.0	52725	.0	.4	99.4	.2	No Oil	.9		None	
SBR70-6897	1143.0-1146.2	52726	.1	1.0	98.7	.2	.2a	2.4		None	
SBR70-6898	1146.2-1147.2	52727	.2	1.3	98.0	.5	.4a	3.1		None	
SBR70-6899	1147.2-1149.0	52728	.0	1.0	98.8	.2	No Oil	2.3		None	
SBR70-6900	1149.0-1150.9	52729	.0	1.3	98.0	.7	No Oil	3.1		None	
SBR70-6901	1150.9-1152.2	52730	.4	3.0	95.5	1.1	1.0a	7.2		None	
SBR70-6902	1152.2-1153.2	52731	.6	2.8	95.3	1.3	1.6a	6.7		None	
SBR70-6903	1153.2-1154.3	52732	.1	1.5	97.3	1.1	.3a	3.6		None	
SBR70-6904	1154.3-1157.4	52733	.1	.7	99.0	.2	.2a	1.8		None	
SBR70-6905	1157.4-1159.6	52734	.0	1.0	98.9	.1	No Oil	2.5		None	
SBR70-6906	1159.6-1160.6	52735	.0	1.2	98.7	.1	Trace	2.9		None	
SBR70-6907	1160.6-1161.6	52736	.2	1.5	97.0	1.3	.5a	3.6		None	
SBR70-6908	1161.6-1163.0	52737	10.2	2.0	83.2	4.6	24.4	4.8	1.000	Heavy	Coaly shale and coal
SBR70-6909	1163.0-1165.4	52738	15.4	11.0	64.8	8.8	40.0a	26.4		Heavy	Coal
SBR70-6910	1165.4-1166.0	52739	4.6	1.8	90.9	2.7	10.9	4.4	1.000	None	Some coal
SBR70-6911	1166.0-1167.7	52740	14.3	8.0	65.3	12.4	37.4a	19.2		Heavy	Coal
SBR70-6912	1167.7-1169.0	52741	.0	1.9	97.9	.2	No Oil	4.6		None	
	1169.0-1221.0									Barren rock not sampled	
SBR70-6913	1221.0-1222.0	52742	.0	2.3	97.2	.5	No Oil	5.4		None	
SBR70-6914	1222.0-1224.1	52743	5.2	5.2	85.6	4.0	12.6	12.5	1.000	None	Coaly shale and coal
SBR70-6915	1224.1-1225.3	52744	9.2	4.5	81.0	5.3	23.9a	10.8		Heavy	Coal & coaly shale
SBR70-6916	1225.3-1226.9	52745	15.3	8.0	64.9	11.8	39.9a	19.2		Heavy	Coal

See footnote at end of table.

Core and drill cutting samples received July 31, 1969 thru September 8, 1969; 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. 1A (con.)

Surface elevation 7,078 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil 1/	Water	60°/60° F	coke	Remarks
SBR70-6917	1226.9-1227.9	52746	3.5	1.4	93.1	2.0	9.2a	3.2		None	Some coaly streaks
SBR70-6918	1227.9-1232.5	52747	.0	1.1	98.8	.1	No Oil	2.7		None	
SBR70-6919	1232.5-1233.7	52748	.0	1.6	97.2	1.2	No Oil	3.8		None	
SBR70-6920	1233.7-1234.7	52749	5.3	4.3	87.0	3.4	12.8	10.3	1.000	None	Some coal
SBR70-6921	1234.7-1236.1	52750	.0	3.5	95.7	.8	No Oil	8.3		None	
SBR70-6922	1236.1-1237.1	52751	.0	3.5	95.9	.6	No Oil	8.5		None	
SBR70-6923	1237.1-1242.0	52752	.0	1.6	97.4	1.0	No Oil	4.0		None	
	1242.0-1256.6									Barren rock not sampled	
SBR70-6924	1256.6-1263.2	52753	.0	3.7	95.6	.7	No Oil	8.8		None	
	1263.2-1268.0									Barren rock not sampled	
SBR70-6925	1268.0-1270.2	52754	.0	4.7	95.1	.2	No Oil	11.4		None	
	1270.2-1278.5									Barren rock not sampled	
SBR70-6926	1278.5-1283.0	52755	.0	3.9	95.5	.6	No Oil	9.3		None	
SBR70-6927	1283.0-1285.0	52756	.0	5.2	92.1	2.7	Trace	12.4		None	Some coaly streaks
SBR70-6928	1285.0-1289.0	52757	.0	3.3	96.0	.7	No Oil	8.0		None	
	1289.0-1416.6									Barren rock not sampled	
SBR70-6929	1416.6-1417.0	52758	2.9	5.9	88.4	2.8	7.4	14.0	0.941	None	Coaly shale
	1417.0-1484.5									Barren rock not sampled	
SBR70-6930	1484.5-1485.0	52759	7.6	8.3	78.4	5.7	18.3	19.9	.998	None	Coal
	1485.0-1493.0									Barren rock not sampled	

1/ "a"--Oil specific gravity estimated as 0.92 because of insufficient oil or because heavy oil could not be separated from water.

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