

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Garrett Research and Development Company's Wyoming No. 1 Corehole drilled 1361 feet
N 53° W of SE corner NW1/4SE1/4SE1/4 of sec 7, T 16 N, R 99 W, Sweetwater County, Wyoming

Elevation 7,607 feet unspecified reference

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			
	150.0-390.0							Barren rock not sampled	
SBR71-6296	390.0-400.0	59961	0.0	1.9	97.0	1.1	No oil	4.6	None
SBR71-6297	400.0-410.0	59962	.0	2.5	96.3	1.2	No oil	6.1	None
SBR71-6298	410.0-417.5	59963	.0	2.9	96.8	.3	No oil	6.9	None
SBR71-6299	417.5-418.7	59964	.0	2.2	96.4	1.4	No oil	5.2	None
SBR71-6300	418.7-419.7	59965	.5	2.5	95.1	1.9	1.3a	6.0	None
SBR71-6301	419.7-420.7	59966	1.7	2.9	93.2	2.2	4.4a	7.0	None
SBR71-6302	420.7-421.7	59967	.8	2.1	95.6	1.5	2.0a	5.0	None
SBR71-6303	421.7-422.7	59968	.1	2.8	95.6	1.5	.2a	6.7	None
SBR71-6304	422.7-424.5	59969	.4	2.4	95.9	1.3	1.0a	5.8	None
SBR71-6305	424.5-425.6	59970	.2	2.1	96.6	1.1	.5a	5.0	None
SBR71-6306	425.6-426.7	59971	.1	1.9	96.1	1.9	.2a	4.7	None
SBR71-6307	426.7-428.1	59972	.5	3.1	95.0	1.4	1.4a	7.4	None
SBR71-6308	428.1-432.3	59973	.0	6.1	93.2	.7	No oil	14.5	None
SBR71-6309	432.3-434.8	59974	.0	5.8	93.0	1.2	No oil	13.9	None
SBR71-6310	434.8-435.6	59975	1.0	2.6	95.7	.7	2.5a	6.2	None
SBR71-6311	436.0-437.0	59976	.7	2.5	96.6	.2	1.7a	6.0	None
SBR71-6312	437.0-438.0	59977	1.8	2.5	94.0	1.7	4.7a	6.0	0.952
SBR71-6313	438.0-438.8	59978	2.4	2.5	92.4	2.7	5.9	6.0	None
SBR71-6314	438.8-440.1	59979	.8	2.7	94.4	2.1	2.2a	6.5	None
SBR71-6315	440.1-440.5	59980	1.0	6.0	88.7	4.3	2.5a	14.4	None
SBR71-6316	440.5-441.5	59981	.0	.5	98.3	1.2	No oil	1.1	None
SBR71-6317	441.5-442.7	59982	.4	2.7	95.1	1.8	1.1a	6.5	None
SBR71-6318	442.7-444.5	59983	.0	8.2	90.8	1.0	No oil	19.6	None
	444.5-479.0								Barren rock not sampled
SBR71-6319	479.0-480.4	59984	.0	6.6	91.5	1.9	No oil	15.8	None
SBR71-6320	480.4-481.7	59985	.0	4.7	92.2	3.1	No oil	11.2	None
SBR71-6321	481.7-482.7	59986	.9	2.4	92.8	3.9	2.4a	5.8	None
SBR71-6322	482.7-484.0	59987	1.4	2.9	94.8	.9	3.6a	7.0	None
SBR71-6323	484.0-485.3	59988	1.9	2.8	93.9	1.4	4.8a	6.7	None

See footnote at end of table.

Core samples received June 26, 1970; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Garrett Research and Development Company's Wyoming No. 1 Corehole (con.)

Elevation 7,607 feet unspecified reference

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/	Water		
SBR71-6324	485.3-486.9	59989	1.0	2.6	94.5	1.9	2.5a	6.2	None
SBR71-6325	486.9-487.3	59990	.8	6.6	90.2	2.4	2.0a	15.8	None
SBR71-6326	487.3-488.6	59991	.7	2.8	94.5	2.0	1.8a	6.7	None
SBR71-6327	488.6-489.9	59992	.4	3.4	95.4	.8	1.0a	8.1	None
SBR71-6328	489.9-491.0	59993	.6	3.0	94.0	2.4	1.6a	7.2	None
SBR71-6329	491.0-492.0	59994	1.6	2.1	94.5	1.8	4.2a	4.9	None
SBR71-6330	492.0-493.0	59995	3.5	3.2	90.7	2.6	9.2	7.7	0.911
SBR71-6331	493.0-493.9	59996	7.4	2.7	85.9	4.0	19.3	6.5	.911
SBR71-6332	493.9-494.7	59997	4.7	2.4	88.7	4.2	12.2	5.8	.920
SBR71-6333	494.7-495.6	59998	6.6	3.2	86.8	3.4	17.5	7.7	.910
SBR71-6334	495.6-496.6	59999	4.0	2.7	89.5	3.8	10.6	6.5	.903
SBR71-6335	496.6-497.6	60000	2.9	3.4	90.7	3.0	7.7	8.1	.907
SBR71-6336	497.6-498.6	60001	6.4	3.6	87.8	2.2	16.6	8.6	.921
SBR71-6337	498.6-500.0	60002	2.6	2.4	93.0	2.0	6.8	5.8	.918
SBR71-6338	500.0-501.3	60003	1.9	2.3	94.4	1.4	4.8a	5.5	None
SBR71-6339	501.3-502.8	60004	2.9	2.3	92.9	1.9	7.5	5.5	.931
SBR71-6340	502.8-504.4	60005	2.5	2.0	94.1	1.4	6.5	4.9	.927
SBR71-6341	504.4-505.6	60006	2.7	2.4	93.3	1.6	6.9	5.8	.926
SBR71-6342	506.0-507.8	60007	3.0	2.8	92.6	1.6	7.7	6.7	.920
SBR71-6343	507.8-509.6	60008	2.2	3.0	92.0	2.8	5.6	7.2	.926
SBR71-6344	509.6-510.6	60009	4.5	3.2	90.3	2.0	11.6	7.7	.924
SBR71-6345	510.9-511.9	60010	13.9	3.0	76.3	6.8	34.8	7.2	.955
SBR71-6346	511.9-513.5	60011	13.7	3.8	79.1	3.4	34.7	9.1	.948
SBR71-6347	513.5-514.5	60012	12.7	3.5	79.4	4.4	32.4	8.4	.941
SBR71-6348	514.5-515.7	60013	3.1	3.0	87.4	6.5	8.0	7.2	.923
SBR71-6349	515.7-517.0	60014	3.1	2.2	93.1	1.6	8.1	5.3	.916
SBR71-6350	517.0-518.0	60015	3.1	3.0	92.1	1.8	8.1	7.2	.912
SBR71-6351	518.0-519.0	60016	1.9	3.3	93.3	1.5	5.0a	7.9	None
SBR71-6352	519.0-520.0	60017	1.9	3.1	93.6	1.4	5.1a	7.4	None
SBR71-6353	520.0-521.0	60018	1.9	3.2	93.1	1.8	5.0a	7.7	None

See footnote at end of table.

Core samples received June 26, 1970; Assays made on air-dried samples

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Elevation 7,607 feet unspecified reference

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 /	Water			
SBR71-6354	521.0-522.9	60019	3.0	3.3	91.9	1.8	7.9	7.9	0.918	None	
SBR71-6355	522.9-524.3	60020	4.1	2.4	91.6	1.9	10.7	5.8	.922	None	
SBR71-6356	524.3-525.6	60021	4.0	2.6	91.8	1.6	10.4	6.2	.922	None	
SBR71-6357	525.6-526.8	60022	3.8	3.2	90.2	2.8	9.9	7.7	.920	None	
SBR71-6358	526.8-528.1	60023	6.3	2.5	90.0	1.2	16.0	6.0	.936	None	
SBR71-6359	528.1-529.1	60024	6.0	2.1	89.1	2.8	15.6	5.0	.918	None	
SBR71-6360	529.1-530.1	60025	5.7	2.3	89.1	2.9	15.0	5.5	.907	None	
SBR71-6361	530.3-531.7	60026	12.1	3.6	80.7	3.6	31.1	8.6	.929	None	
SBR71-6362	531.7-533.1	60027	6.8	2.7	88.7	1.8	17.7	6.5	.919	None	
SBR71-6363	533.1-534.1	60028	6.5	2.3	88.3	2.9	17.3	5.5	.907	None	
SBR71-6364	534.1-535.2	60029	5.7	1.3	91.0	2.0	15.1	3.1	.914	None	
SBR71-6365	535.2-536.6	60030	7.6	2.4	86.1	3.9	20.0	5.8	.911	None	
SBR71-6366	537.0-538.0	60031	7.2	2.6	86.8	3.4	18.8	6.2	.915	None	
SBR71-6367	538.0-539.0	60032	5.3	2.3	87.8	4.6	13.8	5.5	.910	None	
SBR71-6368	539.0-540.4	60033	5.7	2.4	88.5	3.4	14.8	5.8	.925	None	
SBR71-6369	540.4-541.4	60034	5.4	2.5	89.8	2.3	14.0	6.1	.922	None	
SBR71-6370	541.5-542.5	60035	4.9	2.6	89.8	2.7	12.7	6.2	.923	None	
SBR71-6371	542.5-543.5	60036	4.4	1.9	91.4	2.3	11.5	4.6	.927	None	
SBR71-6372	543.5-544.5	60037	5.5	1.9	90.2	2.4	14.4	4.6	.925	None	
SBR71-6373	544.5-545.5	60038	8.2	2.3	86.3	3.2	21.4	5.5	.921	None	
SBR71-6374	545.8-546.8	60039	7.8	1.9	86.9	3.4	20.3	4.6	.920	None	
SBR71-6375	546.8-547.7	60040	8.0	2.7	85.0	4.3	21.0	6.5	.908	None	
SBR71-6376	547.7-548.7	60041	7.4	2.1	87.3	3.2	19.5	5.0	.913	None	
SBR71-6377	548.7-549.7	60042	6.8	2.2	88.4	2.6	17.6	5.3	.925	None	
SBR71-6378	549.7-551.3	60043	6.9	3.0	86.7	3.4	17.8	7.2	.927	None	
SBR71-6379	551.3-552.6	60044	6.1	3.2	88.5	2.2	15.9	7.5	.922	None	
SBR71-6380	552.6-553.6	60045	10.3	2.1	84.8	2.8	27.7	5.0	.892	None	
SBR71-6381	553.6-554.8	60046	6.6	2.6	87.7	3.1	17.4	6.2	.909	None	
SBR71-6382	554.8-555.8	60047	7.6	2.3	86.1	4.0	20.1	5.5	.909	None	
SBR71-6383	555.8-557.0	60048	7.9	2.5	85.6	4.0	20.4	6.0	.931	None	

See footnote at end of table.

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Samples from Garrett Research and Development Company's, Wyoming No. 1 Corehole (con.)

Elevation 7,607 feet unspecified reference

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					
SBR71-6384	557.0-557.9	60049	7.3	3.8	83.3	5.6	19.0	9.1	0.918	None	
SBR71-6385	557.9-559.0	60050	1.5	3.2	93.9	1.4	4.0a	7.7		None	
SBR71-6386	559.0-560.0	60051	.2	3.3	95.3	1.2	.6a	7.9		None	
SBR71-6387	560.0-561.0	60052	.2	2.9	96.2	.7	.6a	7.0		None	
SBR71-6388	561.0-562.0	60053	.1	1.0	94.6	4.3	.4a	2.4		None	
SBR71-6389	562.0-563.0	60054	6.6	2.6	87.9	2.9	16.9	6.2	.929	None	
SBR71-6390	563.0-564.0	60055	5.6	2.5	89.5	2.4	14.7	6.0	.918	None	
SBR71-6391	564.0-564.6	60056	8.0	2.0	87.7	2.3	20.7a	4.8		None	
SBR71-6392	564.6-565.7	60057	8.6	2.4	85.6	3.4	22.6	5.8	.919	None	
SBR71-6393	565.7-566.7	60058	7.3	1.9	88.1	2.7	19.1a	4.6		None	
SBR71-6394	566.7-567.9	60059	5.0	2.3	90.9	1.8	13.1	5.5	.916	None	
SBR71-6395	567.9-568.9	60060	6.9	3.5	87.4	2.2	17.7	8.4	.932	None	
SBR71-6396	568.9-569.9	60061	1.7	1.3	96.1	.9	4.5a	3.1		None	
SBR71-6397	569.9-570.9	60062	4.1	3.4	90.7	1.8	10.9	8.1	.909	None	
SBR71-6398	570.9-572.0	60063	6.9	2.4	88.0	2.7	17.9a	5.8		None	
SBR71-6399	572.0-573.0	61258	5.5	2.4	89.9	2.2	14.5	5.8	.911	None	
SBR71-6400	573.0-574.0	60065	4.8	1.6	90.3	3.3	12.6	3.8	.913	None	
SBR71-6401	574.0-575.0	60066	4.3	1.7	91.3	2.7	11.3	4.1	.907	None	
SBR71-6402	575.0-576.1	60067	2.9	4.2	91.7	1.2	7.7	10.1	.891	None	
SBR71-6403	576.5-578.2	60068	6.8	3.3	87.7	2.2	17.6	7.9	.928	None	
SBR71-6404	578.2-578.7	60069	.3	1.9	97.0	.8	.7a	4.6		None	
SBR71-6405	578.7-579.7	60070	3.4	2.4	92.9	1.3	8.7	5.8	.922	None	
SBR71-6406	579.7-581.0	60071	3.3	2.0	92.7	2.0	8.6	4.8	.920	None	
SBR71-6407	581.0-582.5	60072	3.0	1.5	93.7	1.8	7.9	3.6	.915	None	
SBR71-6408	582.5-583.5	60073	4.9	1.7	91.7	1.7	12.8	4.1	.910	None	
SBR71-6409	583.5-584.5	60074	8.4	2.0	87.1	2.5	21.8	4.8	.922	None	
SBR71-6410	584.5-585.6	60075	5.4	1.9	89.7	3.0	13.9	4.6	.923	None	
SBR71-6411	585.6-586.6	60076	6.8	1.7	89.7	1.8	17.6	4.1	.921	None	
SBR71-6412	586.6-588.2	61259	3.8	1.8	93.1	1.3	9.9	4.3	.921	None	
SBR71-6413	588.2-589.2	60078	4.6	1.4	91.8	2.2	12.3	3.4	.889	None	

See footnote at end of table.

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Elevation 7,607 feet unspecified reference

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	Oil ¹ /	Water				
Laramie	Their										
SBR71-6414	60079	12.0	1.5	83.2	3.3	31.9	3.6	0.901	None		
SBR71-6415	60080	17.1	1.6	77.9	3.4	44.5a	3.8		None		
SBR71-6416	60081	1.8	1.2	96.2	.8	4.6a	2.9		None		
SBR71-6417	60082	9.4	1.3	86.7	2.6	24.5a	3.1		None		
SBR71-6418	60083	9.3	1.9	86.1	2.7	24.1a	4.6		None		
SBR71-6419	60084	.8	1.8	96.9	.5	2.1a	4.3		None	Top buff marker	
SBR71-6420	60085	.0	2.4	97.1	.5	Trace	5.7		None		
SBR71-6421	60086	.0	2.2	97.7	.1	Trace	5.3		None	Footage adjustment	
SBR71-6422	60087	.1	2.0	97.5	.4	.2a	4.8		None		
SBR71-6423	60088	.1	2.1	96.8	1.0	.3a	5.0		None		
SBR71-6424	60089	.1	1.4	98.1	.4	.2a	3.5		None		
SBR71-6425	60090	.1	2.3	96.6	1.0	.3a	5.5		None		
SBR71-6426	60091	.1	1.8	97.3	.8	.3a	4.2		None	Bottom buff marker	
SBR71-6427	60092	5.9	1.5	90.6	2.0	15.3	3.6	.921	None		
SBR71-6428	60093	6.1	1.8	89.4	2.7	16.2	4.3	.901	None		
SBR71-6429	60094	8.6	1.4	86.8	3.2	22.4a	3.5		None		
SBR71-6430	60095	12.2	1.5	81.2	5.1	31.9	3.6	.915	None		
SBR71-6431	60096	8.2	1.6	87.6	2.6	22.2	3.7	.890	None		
SBR71-6432	60097	7.5	1.3	88.0	3.2	19.9	3.0	.904	None		
SBR71-6433	60098	9.9	1.5	85.6	3.0	25.6	3.6	.927	None		
SBR71-6434	60099	5.9	2.2	89.7	2.2	15.1	5.4	.935	None		
SBR71-6435	60100	4.6	1.5	92.7	1.2	11.9	3.6	.930	None		
SBR71-6436	60101	6.3	1.2	89.2	3.3	16.2	2.9	.938	None		
SBR71-6437	60102	7.0	1.4	88.3	3.3	17.9	3.4	.932	None		
SBR71-6438	60103	9.8	1.2	86.0	3.0	25.5	2.9	.925	None		
SBR71-6439	60104	10.2	1.0	85.6	3.2	26.7	2.3	.917	None		
SBR71-6440	60105	7.8	1.2	87.6	3.4	20.1	2.9	.926	None		
SBR71-6441	60118	8.9	1.8	86.0	3.3	22.6	4.3	.942	None		
SBR71-6442	60119	2.9	1.5	93.9	1.7	7.3	3.6	.944	None		
SBR71-6443	60120	.0	1.4	98.1	.5	Trace	3.4		None	Sample length 3.5 ft	

See footnote at end of table.

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			Weight percent		Spent shale	Gas + loss		Gal per ton		
Laramie	Their		Oil	Water					Oil ¹ / _{Water}	
SBR71-6444	667.0-669.4	60121	0.1	0.9	98.6	0.4	0.3a	2.0		None
SBR71-6445	669.4-670.8	60122	3.2	1.3	94.6	.9	8.2	3.1	0.933	None
SBR71-6446	670.8-671.8	60123	7.5	1.7	88.3	2.5	19.3	4.1	.925	None
SBR71-6447	671.8-672.8	60124	3.2	1.5	94.4	.9	8.3	3.6	.921	None
SBR71-6448	672.8-673.8	60125	3.5	.8	93.8	1.9	9.2	1.9	.912	None
SBR71-6449	673.8-674.8	60126	4.5	1.6	92.6	1.3	11.8	3.8	.923	None
SBR71-6450	674.8-675.8	60127	6.0	1.4	90.9	1.7	15.6	3.4	.924	None
SBR71-6451	675.8-676.8	60128	5.1	1.9	91.7	1.3	13.4	4.6	.908	None
SBR71-6452	676.8-677.8	60129	6.5	1.9	89.7	1.9	16.8	4.6	.927	None
SBR71-6453	677.8-679.0	60130	8.3	1.7	87.7	2.3	21.4	4.1	.926	None
SBR71-6454	679.0-680.0	60131	10.0	2.1	85.0	2.9	25.6	5.0	.936	None
SBR71-6455	680.0-681.0	60132	12.4	2.6	81.6	3.4	31.6	6.2	.938	None
SBR71-6456	681.0-682.0	60133	9.8	2.2	85.0	3.0	24.9	5.3	.943	None
SBR71-6457	682.0-683.0	60134	6.5	1.7	89.6	2.2	16.7	4.1	.936	None
SBR71-6458	683.0-684.4	60135	7.4	1.6	88.4	2.6	19.1	3.8	.925	None
SBR71-6459	684.4-685.8	60154	7.0	1.6	88.2	3.2	18.2	3.8	.922	None
SBR71-6460	685.8-686.8	60155	7.5	1.6	87.9	3.0	19.3	4.0	.925	None
SBR71-6461	686.8-687.8	60156	7.0	1.7	88.9	2.4	18.2	4.2	.920	None
SBR71-6462	687.8-688.8	60157	11.8	1.7	82.9	3.6	30.8	4.1	.922	None
SBR71-6463	688.8-690.1	60202	13.2	1.9	80.4	4.5	33.6	4.6	.941	None
SBR71-6464	690.1-691.2	60159	4.0	1.2	93.0	1.8	10.2	2.9	.938	None
SBR71-6465	691.2-692.0	60142	9.6	1.4	86.3	2.7	24.6	3.4	.933	None
SBR71-6466	692.0-692.9	60143	5.1	1.5	91.9	1.5	13.1	3.6	.925	None
SBR71-6467	692.9-693.9	60144	1.1	1.3	97.2	.4	2.9a	3.1		None
SBR71-6468	693.9-694.9	60145	4.5	1.3	92.7	1.5	11.6	3.2	.927	None
SBR71-6469	694.9-695.9	60146	4.8	1.4	92.7	1.1	12.3	3.4	.928	None
SBR71-6470	695.9-696.9	60147	5.5	1.2	91.2	2.1	14.3	2.9	.923	None
SBR71-6471	696.9-697.9	60148	7.1	1.4	89.8	1.7	18.5	3.4	.916	None
SBR71-6472	697.9-698.9	60149	7.0	1.4	89.5	2.1	18.5	3.4	.908	None
SBR71-6473	698.9-699.9	60150	9.9	1.4	86.3	2.4	26.0	3.4	.913	None

See footnote at end of table.

Core samples received June 26, 1970; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Garrett Research and Development Company's Wyoming No. 1 Corehole (con.)

Elevation 7,607 feet unspecified reference

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			
SBR71-6474	699.9-700.9	60151	11.5	1.3	84.1	3.1	29.8	3.1	0.927	None	
SBR71-6475	700.9-702.0	60152	7.1	1.3	89.8	1.8	18.5	3.2	.914	None	
SBR71-6476	702.0-703.8	60153	5.5	1.6	90.6	2.3	14.2	4.0	.922	None	
SBR71-6477	703.8-704.8	60160	4.8	1.3	91.1	2.8	12.8	3.0	.896	None	
SBR71-6478	704.8-706.5	60161	.6	.3	97.9	1.2	1.5a	.7		None	
SBR71-6479	706.5-707.5	60162	3.8	.8	93.5	1.9	10.2	2.0	.888	None	
SBR71-6480	707.5-708.5	60163	5.0	1.6	92.2	1.2	13.1	3.8	.920	None	
SBR71-6481	708.5-709.0	60164	.7	1.3	97.4	.6	1.7a	3.2		None	
SBR71-6482	709.0-710.1	60165	3.8	1.5	92.1	2.6	9.8	3.6	.929	None	
SBR71-6483	710.1-711.2	60166	4.0	1.5	92.8	1.7	10.5	3.6	.906	None	
SBR71-6484	711.2-712.2	60167	4.4	1.1	92.4	2.1	11.7	2.6	.913	None	
SBR71-6485	712.2-712.8	60168	1.0	1.0	97.1	.9	2.5a	2.4		None	
SBR71-6486	712.8-713.8	60169	5.2	1.3	90.8	2.7	13.4	3.1	.928	None	
SBR71-6487	713.8-714.8	60170	6.2	1.7	89.9	2.2	16.2	4.1	.920	None	
SBR71-6488	714.8-716.1	60171	6.0	1.6	89.6	2.8	15.6	3.8	.928	None	
SBR71-6489	716.1-717.2	60172	5.9	1.6	90.2	2.3	15.3	3.8	.917	None	Sample length 1.5 ft
SBR71-6490	717.2-717.7	60173	.2	.4	98.3	1.1	.5a	1.0		None	
SBR71-6491	717.7-718.6	60174	5.5	1.2	90.7	2.6	14.2	2.9	.923	None	
SBR71-6492	718.6-719.6	60175	5.2	1.5	91.4	1.9	13.7	3.6	.903	None	
SBR71-6493	719.6-720.6	60176	5.5	1.9	90.7	1.9	14.5	4.6	.903	None	
SBR71-6494	720.6-721.6	60177	6.1	1.9	89.2	2.8	16.0	4.6	.913	None	
SBR71-6495	721.6-722.5	60178	10.9	2.4	83.0	3.7	27.6	5.8	.947	None	
SBR71-6496	722.5-724.3	60179	1.2	.7	96.9	1.2	3.0a	1.8		None	
SBR71-6497	724.3-726.2	60180	.8	1.1	97.0	1.1	2.0a	2.6		None	
SBR71-6498	726.2-726.8	60181	4.8	1.5	91.0	2.7	12.4	3.6	.934	None	
SBR71-6499	726.8-727.8	60182	3.9	1.8	92.5	1.8	10.1	4.3	.928	None	
SBR71-6500	727.8-728.8	60183	5.2	1.5	90.5	2.8	13.6	3.6	.915	None	
SBR71-6501	728.8-729.3	60184	1.1	.9	96.8	1.2	3.0a	2.2		None	
SBR71-6502	729.3-730.3	60185	.4	1.2	97.4	1.0	1.2a	2.8		None	
SBR71-6503	730.3-732.0	60186	4.9	1.1	91.0	3.0	12.9	2.5	.913	None	

See footnote at end of table.

Core samples received June 26, 1970; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Garrett Research and Development Company's Wyoming No. 1 Corehole (con.)

Elevation 7,607 feet unspecified reference

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/}			
SBR71-6504	60187	732.0-733.0	8.6	1.6	86.8	3.0	22.2	4.0	0.927	None	
SBR71-6505	60188	733.0-734.0	10.2	1.3	85.6	2.9	26.3	3.2	.926	None	
SBR71-6506	60189	734.0-735.0	5.9	1.4	89.7	3.0	15.3	3.2	.925	None	
SBR71-6507	60190	735.0-736.0	6.1	1.4	90.6	1.9	15.9	3.4	.916	None	
SBR71-6508	60191	736.0-737.0	7.7	1.2	88.2	2.9	20.0	2.9	.920	None	
SBR71-6509	60192	737.0-738.0	8.2	1.5	87.8	2.5	21.4	3.6	.918	None	
SBR71-6510	60193	738.0-739.3	9.2	1.8	86.5	2.5	23.7	4.3	.926	None	
SBR71-6511	60194	739.3-740.3	11.1	1.9	83.7	3.3	28.7	4.6	.929	None	
SBR71-6512	60195	740.3-741.5	6.6	2.0	89.0	2.4	17.1	4.8	.927	None	
SBR71-6513	60196	741.5-742.6	3.3	2.5	91.5	2.7	8.6	6.0	.924	None	
SBR71-6514	60197	742.6-743.6	6.4	.9	89.3	3.4	16.4	2.3	.930	None	
SBR71-6515	60198	743.6-745.0	3.9	1.6	91.3	3.2	10.0	3.8	.935	None	
SBR71-6516	60199	745.0-745.4	10.1	2.3	83.6	4.0	26.3	5.5	.915	None	
SBR71-6517	60200	745.4-747.7	.1	1.4	98.2	.3	.2a	3.4		None	
SBR71-6518	60201	747.7-748.7	6.5	1.9	89.4	2.2	16.9	4.6	.925	None	
SBR71-6519	60203	748.7-751.0	.0	.6	98.6	.8	No oil	1.4		None	
SBR71-6520	60204	751.0-756.0	.0	1.7	96.8	1.5	Trace	4.2		None	
SBR71-6521	60205	756.0-761.3	.0	2.3	96.4	1.3	Trace	5.5		None	
SBR71-6522	60206	761.3-762.6	2.2	1.4	94.8	1.6	5.6	3.4	.924	None	
SBR71-6523	60207	762.6-763.6	.0	2.2	97.0	.8	Trace	5.2		None	
SBR71-6524	60208	763.6-764.7	.4	2.1	96.8	.7	1.0a	5.0		None	
SBR71-6525	60209	764.7-765.8	.5	1.0	97.2	1.3	1.2a	2.4		None	
SBR71-6526	60210	765.8-766.6	.0	1.4	97.1	1.5	No oil	3.4		None	
SBR71-6527	60211	766.6-767.6	1.1	2.2	95.4	1.3	2.9a	5.3		None	
SBR71-6528	60212	767.6-768.6	4.7	2.2	91.2	1.9	12.5	5.3	.902	None	
SBR71-6529	60213	768.6-769.7	3.8	1.5	92.5	2.2	10.0	3.6	.905	None	
SBR71-6530	60214	769.7-770.9	6.8	1.7	89.9	1.6	17.5	4.2	.927	None	
SBR71-6531	60215	770.9-771.5	.9	.2	98.7	.2	2.2a	.6		None	
SBR71-6532	60216	771.5-772.4	5.3	1.8	91.7	1.2	13.7	4.2	.930	None	
SBR71-6533	60217	772.4-773.4	3.5	1.9	93.2	1.4	8.9	4.6	.933	None	

See footnote at end of table.

Core samples received June 26, 1970; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Garrett Research and Development Company's Wyoming No. 1 Corehole (con.)

Elevation 7,607 feet unspecified reference

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale Tendency to coke	Remarks		
			Weight percent		Spent shale	Gas + loss				Gal per ton	
Laramie	Their		Oil	Water					Oil ^{1/}	Water	
SBR71-6534	773.4-775.0	60218	4.8	1.8	92.6	0.8	12.6	4.3	0.918	None	
SBR71-6535	775.0-776.0	60219	5.7	2.2	89.8	2.3	15.0	5.3	.912	None	
SBR71-6536	776.0-777.6	60220	5.8	2.8	90.1	1.3	15.1	6.7	.926	None	
SBR71-6537	777.6-778.3	60221	1.6	.8	96.9	.7	4.1	1.9	.934	None	
SBR71-6538	778.3-779.3	60222	4.1	2.7	91.2	2.0	10.8	6.5	.920	None	
SBR71-6539	779.3-780.4	60223	6.9	2.5	88.5	2.1	18.1	6.0	.915	None	
SBR71-6540	780.4-781.9	60224	3.4	3.3	91.2	2.1	8.8	7.9	.919	None	
SBR71-6541	781.9-783.0	60225	.0	2.9	96.7	.4	Trace	7.0		None	
SBR71-6542	783.0-785.8	60226	.0	3.2	96.0	.8	Trace	7.8		None	
SBR71-6543	786.0-790.3	60227	.0	2.5	96.5	1.0	No oil	6.0		None	
SBR71-6544	790.3-795.0	60228	.0	1.3	98.4	.3	No oil	3.2		None	
SBR71-6545	796.0-802.0	60229	.0	.4	98.8	.8	No oil	1.1		None	
SBR71-6546	802.0-804.5	60230	.0	1.2	98.2	.6	No oil	2.8		None	
SBR71-6547	804.5-806.4	60231	.7	1.2	97.1	1.0	1.7a	2.9		None	
SBR71-6548	806.4-807.4	60232	.0	4.9	94.3	.8	No oil	11.7		None	
SBR71-6549	807.4-810.0	60233	.0	2.4	94.3	3.3	No oil	5.7		None	
SBR71-6550	810.0-816.0	60234	.0	4.0	93.8	2.2	Trace	9.7		None	
SBR71-6551	816.0-822.7	60235	.0	3.0	96.0	1.0	No oil	7.2		None	

1/ "a"--indicates specific gravity estimated as 0.92.

Core samples received June 26, 1970; Assays made on air-dried samples

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July 28, 1971