

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

U48

Samples from Gulf Mineral Resources Company's Gulf Evacuation Corehole No. 2 drilled in SW1/4SE1/4 (950 feet N/S 2011 feet W/E) of sec 18, T 10 S, R 25 E, Uintah County, Utah

Surface elevation 5,435 feet

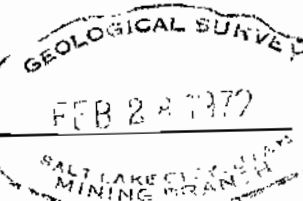
Surface elevation 3,433 feet

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
Laramie	Their		Oil	Water					Oil	Water	
SBR72-1209	350.0-351.0	68049	2.2	2.1	94.1	1.6	5.8	5.0	0.929	None	
SBR72-1210	351.0-351.8	68050	2.6	1.8	94.6	1.0	6.8	4.3	.926	None	
SBR72-1211	351.8-352.6	68051	10.2	2.3	85.2	2.3	26.4	5.5	.923	None	
SBR72-1212	352.6-354.0	68052	3.6	2.2	93.0	1.2	9.3	5.3	.926	None	
SBR72-1213	354.0-355.0	68053	3.1	2.6	93.3	1.0	8.0	6.2	.926	None	
SBR72-1214	355.0-356.0	68054	3.5	1.7	93.6	1.2	8.9	4.1	.940	None	
SBR72-1215	356.0-357.0	68055	3.3	1.7	93.7	1.3	8.4	4.1	.932	None	
SBR72-1216	357.0-358.0	68056	2.3	2.5	94.3	.9	5.8	6.0	.942	None	
SBR72-1217	358.0-359.0	68057	3.3	1.5	94.0	1.2	8.3	3.6	.936	None	
SBR72-1218	359.0-359.8	68058	10.9	2.0	84.3	2.8	28.2	4.8	.924	None	
SBR72-1219	359.8-361.0	68059	3.9	1.8	93.0	1.3	10.0	4.3	.941	None	
SBR72-1220	361.0-362.0	68060	2.9	2.0	85.9	9.2	7.5	4.8	.941	None	
SBR72-1221	362.0-363.0	68061	2.2	2.5	92.7	2.6	5.6	6.0	.940	None	
SBR72-1222	363.0-364.0	68062	2.6	1.8	94.6	1.0	6.5	4.3	.939	None	
SBR72-1223	364.0-365.0	68063	3.4	1.8	93.4	1.4	8.8	4.3	.933	None	
SBR72-1224	365.0-365.8	68064	10.9	2.0	84.2	2.9	28.2	4.8	.927	None	
SBR72-1225	365.8-367.0	68065	5.3	1.5	91.8	1.4	13.5	3.6	.941	None	
SBR72-1226	367.0-368.0	68066	3.2	1.5	94.7	.6	8.1	3.6	.942	None	
SBR72-1227	368.0-369.0	68067	3.1	2.0	93.6	1.3	8.0	4.8	.941	None	
SBR72-1228	369.0-370.0	68068	3.6	1.8	92.9	1.7	9.3	4.3	.937	None	
SBR72-1229	370.0-371.4	68069	5.3	2.0	91.4	1.3	13.5	4.8	.936	None	
SBR72-1230	371.4-372.4	68070	15.0	1.7	80.6	2.7	38.0	4.1	.943	None	
SBR72-1231	372.4-374.0	68071	3.2	1.6	94.5	.7	8.3	3.8	.942	None	
SBR72-1232	374.0-375.0	68072	2.3	1.5	94.8	.9	7.0	3.6	.950	None	
SBR72-1233	375.0-376.0	68073	2.5	1.3	94.7	1.4	6.5	3.1	.949	None	
SBR72-1234	376.0-377.0	68074	2.5	1.4	95.4	.7	6.2	3.4	.949	None	
SBR72-1235	377.0-378.0	68075	3.2	1.2	94.6	1.0	8.2	2.9	.948	None	
SBR72-1236	378.0-379.0	68076	4.5	1.5	92.9	1.1	11.6	3.6	.933	None	
SBR72-1237	379.0-380.0	68077	4.7	1.3	93.2	.8	12.0	3.1	.936	None	
SBR72-1238	380.0-381.0	68078	4.7	1.0	93.0	1.3	12.0	2.4	.933	None	

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Core samples received January 18, 1972; Assays made on air-dried samples

Laramie Energy Research Center, Laramie, Wyoming, Illustration No. SBR-4442P Sheet No. 1 of 14 sheets

January 21, 1972

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's Gulf Evacuation Corehole No. 2 (con.)

Surface elevation 5,435 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 shale	Gas + loss	Gal per ton				
			Oil	Water			Oil ¹ /	Water			
Laramie	Their										
SBR72-1239	381.0-382.0	68079	3.4	1.3	93.8	1.5	8.6	3.1	0.936	None	
SDR72-1240	382.0-383.0	68080	4.1	1.3	93.4	1.2	10.5	3.1	.938	None	
SBR72-1241	383.0-384.2	68081	5.5	1.3	91.7	1.5	14.0	3.1	.932	None	
SDR72-1242	384.2-385.1	68082	13.3	1.9	81.8	3.0	34.3	4.6	.931	None	
SBR72-1243	385.1-386.0	68083	3.6	.8	94.2	1.4	9.3	1.8	.931	None	
SBR72-1244	386.0-387.0	68084	3.7	1.0	93.4	1.9	9.5	2.4	.932	None	
SBR72-1245	387.0-388.0	68085	1.8	1.7	94.8	1.7	4.7	4.1	.938	None	
SBR72-1246	388.0-389.0	68086	1.1	2.0	96.2	.7	2.8a	4.8		None	
SBR72-1247	389.0-390.0	68087	3.0	1.2	94.7	1.1	7.6	2.9	.942	None	
SBR72-1248	390.0-391.0	68088	8.7	1.3	88.1	1.9	22.3	3.1	.932	None	
SBR72-1249	391.0-392.0	68089	5.0	1.2	92.7	1.1	12.7	2.9	.937	None	
SBR72-1250	392.0-393.0	68090	3.9	.8	94.3	1.0	10.0	1.9	.935	None	
SBR72-1251	393.0-394.0	68091	4.0	1.3	93.8	.9	10.4	3.1	.932	None	
SBR72-1252	394.0-395.0	68092	4.0	1.5	93.6	.9	10.4	3.6	.936	None	
SBR72-1253	395.0-395.8	68093	4.8	1.2	92.9	1.1	12.3	2.9	.941	None	
SBR72-1254	395.8-396.6	68094	6.4	3.0	89.4	1.2	16.5	7.2	.930	None	
SDR72-1255	396.6-398.0	68095	5.1	1.0	92.7	1.2	13.0	2.4	.939	None	
SBR72-1256	398.0-399.0	68096	3.9	.8	93.7	1.6	9.9	1.9	.949	None	
SBR72-1257	399.0-400.0	68097	3.8	.9	94.4	.9	9.6	2.2	.937	None	
SBR72-1258	400.0-401.0	68098	3.5	.7	94.6	1.2	9.0	1.7	.946	None	
SBR72-1259	401.0-402.0	68099	3.4	.8	94.7	1.1	8.8	1.9	.942	None	
SBR72-1260	402.0-403.0	68100	3.6	1.0	94.4	1.0	9.1	2.4	.946	None	
SBR72-1261	403.0-404.0	68101	4.5	1.0	93.3	1.2	11.5	2.4	.943	None	
SBR72-1262	404.0-405.0	68102	5.7	1.4	91.6	1.3	14.5	3.4	.947	None	
SBR72-1263	405.0-406.0	68103	4.8	1.1	93.2	.9	12.2	2.6	.936	None	
SBR72-1264	406.0-407.0	68104	2.0	.7	93.9	3.4	5.2	1.7	.942	None	
SDR72-1265	407.0-408.0	68105	4.5	.8	93.4	1.3	11.5	1.8	.944	None	
SBR72-1266	408.0-409.0	68106	4.2	.8	93.8	1.2	10.8	1.9	.945	None	
SBR72-1267	409.0-410.0	68107	4.4	.7	93.5	1.4	11.1	1.7	.946	None	
SBR72-1268	410.0-411.0	68108	4.5	.5	92.9	2.1	11.5	1.3	.938	None	

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See footnote at end of table.

Core samples received January 18, 1972; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's Gulf Evacuation Corehole No. 2 (con.)

Surface elevation 5,435 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	Water		
Laramie	Their										
SBR72-1269	411.0-412.0	68109	4.6	0.6	93.4	1.4	11.7	1.6	0.938	None	
SBR72-1270	412.0-413.0	68110	4.4	.7	93.9	1.0	11.2	1.7	.937	None	
SBR72-1271	413.0-414.0	68111	4.0	.6	94.1	1.3	10.4	1.3	.936	None	
SBR72-1272	414.0-414.4	68112	6.2	2.3	90.4	1.1	16.1	5.5	.925	None	
SBR72-1273	414.4-415.0	68113	4.1	1.0	93.8	1.1	10.6	2.4	.936	None	
SBR72-1274	415.0-416.0	68114	4.1	.4	93.7	1.8	10.3	1.1	.948	None	
SBR72-1275	416.0-417.0	68115	4.7	.5	92.5	2.3	12.1	1.2	.937	None	
SBR72-1276	417.0-418.0	68116	4.6	1.0	92.4	2.0	11.9	2.3	.937	None	
SBR72-1277	418.0-419.0	68117	3.7	.9	93.8	1.6	9.3	2.3	.943	None	
SBR72-1278	419.0-420.0	68118	4.3	.9	93.2	1.6	10.9	2.2	.936	None	
SBR72-1279	420.0-421.0	68119	6.7	.9	90.4	2.0	17.1	2.2	.931	None	
SBR72-1280	421.0-422.0	68120	4.3	.6	93.0	2.1	11.0	1.4	.937	None	
SBR72-1281	422.0-423.0	68121	3.6	1.3	93.1	2.0	9.2	3.1	.938	None	
SBR72-1282	423.0-424.0	68122	2.7	1.2	94.9	1.2	6.8	2.9	.938	None	
SBR72-1283	424.0-425.0	68123	2.1	1.3	95.2	1.4	5.4	3.1	.937	None	
SBR72-1284	425.0-426.0	68124	4.2	.9	93.2	1.7	10.6	2.2	.936	None	
SBR72-1285	426.0-427.0	68125	7.1	1.0	90.0	1.9	18.3	2.4	.927	None	
SBR72-1286	427.0-428.0	68126	4.7	.6	93.1	1.6	12.0	1.6	.934	None	
SBR72-1287	428.0-429.0	68127	3.9	.9	93.8	1.4	9.9	2.0	.939	None	
SBR72-1288	429.0-429.8	68128	4.0	.7	92.7	2.6	10.3	1.7	.940	None	
SBR72-1289	430.5-431.0	68129	4.0	1.0	93.4	1.6	10.2	2.4	.946	None	
SBR72-1290	431.0-432.0	68130	3.7	.7	94.2	1.4	9.3	1.6	.948	None	
SBR72-1291	432.0-432.8	68131	7.2	1.4	89.4	2.0	18.6	3.4	.934	None	
SBR72-1292	432.8-434.0	68132	3.4	3.2	91.9	1.5	8.7	7.7	.935	None	
SBR72-1293	434.0-435.1	68133	2.2	4.6	91.6	1.6	5.5	11.0	.933	None	
SBR72-1294	435.1-436.0	68134	4.0	1.1	93.5	1.4	10.2	2.6	.936	None	
SBR72-1295	436.0-437.0	68135	5.2	.7	92.9	1.2	13.4	1.6	.932	None	
SBR72-1296	437.0-438.0	68136	4.7	.6	93.0	1.7	12.0	1.6	.935	None	
SBR72-1297	438.0-439.0	68137	6.3	.8	91.4	1.5	16.3	1.9	.927	None	
SBR72-1298	439.0-440.0	68138	6.3	.5	91.8	1.4	16.2	1.2	.930	None	

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Core samples received January 18, 1972; Assays made on air-dried samples

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OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's Gulf Evacuation Corehole No. 2 (con.)

Surface elevation 5,435 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	Oil	Water				
Laramie	Their											
SBR72-1299	440.0-441.0	68139	7.9	0.8	89.5	1.8	20.5	1.9	0.926	None		
SBR72-1300	441.0-442.0	68173	4.9	1.0	93.1	1.0	12.6	2.4	.933	None		
SBR72-1301	442.0-443.0	68141	4.3	.9	94.0	.8	11.0	2.2	.939	None		
SBR72-1302	443.0-444.0	68142	3.4	1.0	94.7	.9	8.7	2.4	.943	None		
SBR72-1303	444.0-445.0	68143	2.9	1.5	94.6	1.0	7.4	3.6	.941	None		
SBR72-1304	445.0-446.0	68144	3.8	1.0	93.8	1.4	9.8	2.4	.937	None		
SBR72-1305	446.0-447.0	68145	5.3	.8	91.1	2.8	13.5	1.9	.934	None		
SBR72-1306	447.0-448.0	68146	4.0	.9	94.1	1.0	10.2	2.2	.941	None		
SBR72-1307	448.0-449.0	68147	2.2	1.1	95.8	.9	5.5	2.6	.941	None		
SBR72-1308	449.0-450.0	68148	3.1	1.0	94.7	1.2	8.0	2.6	.939	None		
SBR72-1309	450.0-451.0	68149	3.1	1.4	94.5	1.0	8.0	3.4	.936	None		
SBR72-1310	451.0-452.0	68150	2.4	1.2	95.2	1.2	6.2	2.9	.943	None		
SBR72-1311	452.0-453.0	68151	3.2	.9	94.6	1.3	8.2	2.2	.937	None		
SBR72-1312	453.0-454.0	68152	3.1	.9	95.3	.7	8.1	2.2	.925	None		
SBR72-1313	454.0-455.4	68153	4.1	.5	93.3	2.1	10.5	1.2	.941	None		
SBR72-1314	455.0-456.0	68154	3.2	1.3	94.6	.9	8.2	3.1	.939	None		
SBR72-1315	456.0-457.0	68155	3.5	1.2	94.4	.9	9.0	2.9	.925	None		
SBR72-1316	457.0-458.0	68156	5.0	1.0	92.5	1.5	12.7	2.4	.936	None		
SBR72-1317	458.0-459.0	68157	14.3	.8	79.9	5.0	36.6	1.9	.938	Slight		
SBR72-1318	459.0-460.0	68158	6.0	1.0	91.8	1.2	15.5	2.4	.934	None		
SBR72-1319	460.0-461.0	68159	4.7	1.5	93.0	.8	12.0	3.6	.932	Slight		
SBR72-1320	461.0-462.0	68160	4.4	1.5	92.8	1.3	11.1	3.6	.935	None		
SBR72-1321	462.0-463.0	68161	5.0	1.4	92.6	1.0	12.9	3.4	.926	None		
SBR72-1322	463.0-464.0	68162	5.1	1.2	92.2	1.5	13.2	2.9	.927	None		
SBR72-1323	464.0-465.0	68163	6.0	1.0	91.6	1.4	15.6	2.4	.919	None		
SBR72-1324	465.0-466.0	68164	14.0	.9	82.1	3.0	36.4	2.2	.922	Slight		
SBR72-1325	466.0-467.0	68165	6.1	.8	91.7	1.4	15.7	2.0	.922	None		
SBR72-1326	467.0-467.7	68166	5.8	2.6	92.2	1.4	15.1	1.4	.917	None		
SBR72-1327	467.7-468.2	68167	11.1	1.2	85.1	2.6	29.1	2.9	.914	Medium		
SBR72-1328	468.2-468.8	68168	5.5	.9	91.3	2.3	14.3	2.3	.916	None		

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OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's Gulf Evacuation Corehole No. 2 (con.)

Surface elevation 5,435 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		
Laramie	Their		Oil	Water					Oil ¹ /		Water	
SBR72-1329	468.8-469.4	68169	16.7	1.2	78.7	3.4	43.5	2.9	0.920	Heavy		
SBR72-1330	469.4-470.0	68170	6.4	1.1	90.9	1.6	16.7	2.6	.924	None		
SBR72-1331	470.0-471.0	68171	2.9	1.0	95.1	1.0	7.5	2.4	.929	None	Top A-groove	
SBR72-1332	471.0-472.0	68172	2.1	1.3	95.6	1.0	5.4	3.1	.943	None		
SBR72-1333	472.0-473.0	68174	2.2	.7	96.2	.9	5.6	1.7	.941	None		
SBR72-1334	473.0-474.0	68175	1.5	.7	96.9	.9	3.8a	1.7		None		
SBR72-1335	474.0-475.0	68176	1.9	.8	95.8	1.5	4.9	1.8	.947	None		
SBR72-1336	475.0-476.0	68177	2.6	.7	95.8	.9	6.7	1.6	.944	None		
SBR72-1337	476.0-477.0	68178	2.1	.3	97.0	.6	5.4	.6	.940	None		
SBR72-1338	477.0-478.0	68179	1.8	.6	96.9	.7	4.5	1.4	.938	None		
SBR72-1339	478.0-479.0	68180	.8	.5	97.4	1.3	2.0a	1.2		None		
SBR72-1340	479.0-480.0	68181	.8	.5	97.2	1.5	2.1a	1.2		None		
SBR72-1341	480.0-481.0	68182	.9	1.2	96.0	1.9	2.3a	2.9		None		
SBR72-1342	481.0-482.0	68183	2.1	1.0	95.7	1.2	5.4	2.4	.925	None	Bottom A-groove	
SBR72-1343	482.0-483.0	68184	6.1	1.3	91.0	1.6	15.9	3.1	.916	None		
SBR72-1344	483.0-484.2	68185	4.6	.8	93.2	1.4	11.9	2.0	.923	None		
SBR72-1345	484.2-485.0	68186	12.5	1.6	82.2	3.7	33.0	4.0	.908	Slight		
SBR72-1346	485.0-486.0	68187	9.0	1.0	86.5	3.5	23.6	2.4	.909	Slight		
SBR72-1347	486.0-487.0	68188	6.2	1.6	90.1	2.1	16.2	3.8	.919	None		
SBR72-1348	487.0-488.0	68189	5.1	1.4	91.6	1.9	13.3	3.2	.920	None		
SBR72-1349	488.0-489.0	68190	4.4	1.8	92.2	1.6	11.4	4.3	.920	None		
SBR72-1350	489.0-490.0	68191	6.8	2.3	89.0	1.9	17.6	5.5	.922	None		
SBR72-1351	490.0-491.0	68192	10.3	1.8	84.5	3.4	26.8	4.3	.924	Slight		
SBR72-1352	491.0-492.0	68193	11.3	1.4	84.0	3.3	29.6	3.4	.917	None		
SBR72-1353	492.0-493.0	68194	8.6	1.3	87.8	2.3	22.4	3.1	.917	None		
SBR72-1354	493.0-494.0	68195	15.3	1.1	80.2	3.4	40.5	2.8	.903	Slight		
SBR72-1355	494.0-495.0	68196	15.1	2.2	78.9	3.8	39.4	5.3	.916	Slight		
SBR72-1356	495.0-496.0	68197	10.2	1.3	86.3	2.2	27.2	3.0	.899	None		
SBR72-1357	496.0-497.0	68198	7.3	1.4	89.3	2.0	19.1	3.2	.915	None		
SBR72-1358	497.0-498.0	68199	6.7	1.5	89.9	1.9	17.5	3.6	.921	None		

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See footnote at end of table.

Core samples received January 18, 1972; Assays made on air-dried samples

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OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's Gulf Evacuation Corehole No. 2 (con.)

Surface elevation 5,435 feet

			Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks	
Sample number		Run No.	Weight percent		Spent shale	Gas + loss		Gal per ton			Tendency to coke
			Oil	Water				Oil	Water		
Laramie	Their										
SBR72-1359	498.0-499.0	68200	4.4	1.5	92.6	1.5	11.4	3.6	0.926	None	
SBR72-1360	499.0-500.0	68201	7.2	1.6	89.0	2.2	18.9	3.8	.921	None	
SBR72-1361	500.0-501.0	68202	6.8	1.2	90.2	1.8	17.1	2.9	.920	None	
SBR72-1362	501.0-502.0	68203	4.2	1.4	93.1	1.3	11.0	3.4	.924	None	
SBR72-1363	502.0-503.0	68204	5.0	.9	92.2	1.9	12.9	2.2	.922	None	
SBR72-1364	503.0-503.5	68205	4.4	1.1	92.6	1.9	11.4	2.6	.922	None	
SBR72-1365	503.5-504.0	68206	4.1	4.5	90.6	.8	10.7	10.8	.916	None	Mahogany marked
SBR72-1366	504.0-505.0	68207	4.2	.7	93.8	1.3	10.9	1.7	.916	None	
SBR72-1367	505.0-506.0	68208	4.3	.6	93.9	1.2	11.5	1.4	.905	None	
SBR72-1368	506.0-507.0	68209	4.4	.9	93.6	1.1	11.6	2.0	.912	None	
SBR72-1369	507.0-508.0	68210	5.5	.9	92.4	1.2	14.5	2.0	.911	None	
SBR72-1370	508.0-508.5	68211	6.9	1.0	90.5	1.6	18.2	2.4	.909	None	
SBR72-1371	508.5-509.0	68212	13.5	1.1	82.2	3.2	35.1	2.6	.925	Medium	
SBR72-1372	509.0-510.0	68213	17.7	1.5	76.6	4.2	45.9	3.6	.924	Heavy	
SBR72-1373	510.0-511.0	68214	9.1	1.4	87.3	2.2	23.8	3.4	.915	Slight	
SBR72-1374	511.0-512.0	68215	7.9	1.3	89.0	1.8	20.8	3.1	.906	None	
SBR72-1375	512.0-513.0	68216	6.7	1.5	89.3	2.5	17.5	3.6	.914	None	
SBR72-1376	513.0-513.8	68217	11.0	.9	84.0	4.1	29.0	2.2	.913	Slight	
SBR72-1377	513.8-515.0	68218	13.0	1.1	83.1	2.8	34.1	2.6	.916	None	
SBR72-1378	515.0-516.0	68219	13.6	.9	84.7	2.8	30.4	2.2	.919	None	
SBR72-1379	516.0-517.0	68220	14.5	1.0	81.3	3.2	38.4	2.4	.906	Heavy	
SBR72-1380	517.0-518.0	68221	19.0	1.9	75.0	4.1	50.2	4.6	.904	Heavy	Mahogany bed
SBR72-1381	518.0-519.0	68222	28.8	2.5	62.1	6.6	75.5	6.0	.913	Heavy	Mahogany bed
SBR72-1382	519.0-520.0	68223	26.0	3.0	62.7	8.3	68.2	7.2	.914	Heavy	Mahogany bed
SBR72-1383	520.0-521.0	68224	21.8	2.6	70.8	4.8	57.1	6.2	.916	Heavy	Mahogany bed
SBR72-1384	521.0-522.0	68225	17.6	1.7	76.9	3.8	46.4	4.1	.908	Heavy	
SBR72-1385	522.0-523.0	68226	20.8	1.7	72.9	4.6	54.5	4.1	.916	Heavy	
SBR72-1386	523.0-524.0	68227	13.5	.9	83.6	2.0	34.9	2.2	.926	Slight	
SBR72-1387	524.0-525.0	68228	7.3	.4	90.3	2.0	18.8	1.1	.927	None	
SBR72-1388	525.0-526.0	68229	10.2	.9	86.8	2.1	26.6	2.2	.918	None	

Core samples received January 18, 1972; Assays made on air-dried samples

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OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's Gulf Evacuation Corehole No. 2 (con.)

Surface elevation 5,435 feet

Surface elevation 5,435 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	Water		
Lamie	Their										
R72-1389	526.0-526.8	68230	19.4	1.2	75.6	3.8	50.5	2.9	0.921	Medium	
R72-1390	526.8-527.8	68231	19.0	1.0	75.7	4.3	49.1	2.4	.927	Medium	rubble
R72-1391	527.8-528.8	68232	7.8	1.0	89.1	2.1	20.3	2.4	.925	None	rubble
R72-1392	528.8-529.6	68233	6.6	1.0	91.0	1.4	17.0	2.4	.923	None	rubble
R72-1393	529.6-531.0	68234	8.5	.9	88.8	1.8	22.2	2.2	.915	None	
R72-1394	531.0-532.0	68235	2.8	1.2	73.9	4.1	54.4	2.9	.916	Medium	
R72-1395	532.0-533.0	68236	14.7	1.0	80.9	3.4	38.6	2.4	.913	None	
R72-1396	533.0-534.0	68237	15.8	.7	80.1	3.4	41.4	1.8	.914	None	
R72-1397	534.0-535.0	68238	7.6	.8	89.9	1.7	20.4	1.9	.896	None	
R72-1398	535.0-536.0	68239	10.5	.7	86.7	2.1	28.2	1.7	.895	None	
R72-1399	536.0-537.0	68240	12.6	.7	80.6	6.1	33.1	1.7	.913	None	
R72-1400	537.0-538.0	68241	6.6	1.5	89.6	2.3	17.3	3.6	.914	None	
R72-1401	538.0-539.0	68242	6.7	1.6	90.1	1.6	17.5	3.8	.915	None	
R72-1402	539.0-540.0	68243	7.9	1.5	88.5	2.1	20.4	3.6	.925	None	
R72-1403	540.0-541.0	68244	10.0	1.1	86.2	2.7	26.2	2.6	.917	None	
R72-1404	541.0-542.0	68245	12.8	1.1	83.3	2.8	33.4	2.6	.923	Slight	
R72-1405	542.0-543.0	68246	5.5	1.3	91.3	1.9	14.0	3.1	.941	None	
R72-1406	543.0-544.0	68247	4.1	1.5	92.4	2.0	10.5	3.6	.940	None	
R72-1407	544.0-545.0	68248	4.5	1.5	91.8	2.2	11.5	3.6	.939	None	
R72-1408	545.0-546.0	68249	5.0	1.3	92.0	1.7	12.9	3.1	.927	None	
R72-1409	546.0-547.0	68250	10.8	.6	86.2	2.4	28.1	1.4	.920	None	
R72-1410	547.0-548.0	68251	14.0	1.0	82.3	2.7	36.4	2.4	.919	None	
R72-1411	548.0-549.0	68252	11.8	.6	85.2	2.4	30.9	1.4	.912	None	
R72-1412	549.0-550.0	68253	9.1	.6	87.9	2.4	23.8	1.4	.915	None	
R72-1413	550.0-551.0	68254	9.2	1.4	87.3	2.1	23.9	3.4	.920	None	
R72-1414	551.0-552.0	68255	10.7	1.1	85.5	2.7	28.1	2.6	.914	None	
R72-1415	552.0-553.0	68256	8.6	1.1	88.3	2.0	22.5	2.6	.917	None	
R72-1416	553.0-554.0	68257	7.9	1.6	88.4	2.1	20.5	3.8	.922	None	
R72-1417	554.0-555.0	68258	6.1	2.0	90.0	1.9	15.8	4.8	.925	None	
R72-1418	555.0-556.0	68259	3.8	1.9	92.2	2.1	9.7	4.6	.940	None	

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Core samples received January 18, 1972; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's Gulf Evacuation Corehole No. 2 (con.)

Surface elevation 5,435 feet

Surface elevation 3,455 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	Oil ¹ /	Water				
Laramie	Their											
SBR72-1419	556.0-557.0	68260	5.3	2.2	91.0	1.5	13.5	5.3	0.942	None		
SBR72-1420	557.0-558.0	68261	7.0	2.0	89.2	1.8	17.9	4.8	.934	None		
SBR72-1421	558.0-559.0	68262	9.1	1.2	88.0	1.7	23.1	2.9	.943	None		
SBR72-1422	559.0-560.0	68263	4.7	1.1	94.1	.1	11.9	2.6	.937	None		
SBR72-1423	560.0-561.0	68264	3.0	1.7	93.7	1.6	7.8	4.1	.942	None		
SBR72-1424	561.0-562.0	68265	2.5	1.6	93.9	2.0	6.4	3.8	.950	None		
SBR72-1425	562.0-563.0	68266	1.9	1.7	95.7	.7	4.8	4.1	.947	None		
SBR72-1426	563.0-564.0	68267	4.1	1.5	93.6	.8	10.6	3.6	.926	None		
SBR72-1427	564.0-565.0	68268	7.2	1.0	90.6	1.2	18.8	2.4	.918	None		
SBR72-1428	565.0-566.0	68269	2.6	3.8	93.2	.4	6.7	9.1	.938	None		
SBR72-1429	566.0-567.0	68270	3.9	1.0	94.5	.6	10.2	2.4	.924	None		
SBR72-1430	567.0-568.0	68271	11.5	2.5	83.8	2.2	29.5	6.0	.934	None		
SBR72-1431	568.0-569.0	68272	7.1	1.0	90.4	1.5	18.1	2.4	.937	None		
SBR72-1432	569.0-570.0	68273	3.7	1.1	94.3	.9	9.7	2.6	.926	None		
SBR72-1433	570.0-571.0	68274	5.2	1.0	92.7	1.1	13.5	2.4	.920	None		
SBR72-1434	571.0-572.0	68275	4.7	.9	93.4	1.0	12.1	2.3	.921	None		
SBR72-1435	572.0-573.0	68276	9.4	.9	87.5	2.2	24.5	2.2	.923	None		
SBR72-1436	573.0-574.0	68277	11.4	1.3	84.4	2.9	29.5	3.1	.929	None		
SBR72-1437	574.0-575.0	68278	3.4	1.3	94.5	.8	8.8	3.1	.930	None		
SBR72-1438	575.0-576.0	68279	2.9	1.4	94.7	1.0	7.4	3.4	.937	None		
SBR72-1439	576.0-577.0	68280	1.6	1.5	96.4	.5	4.1	3.6	.949	None		
SBR72-1440	577.0-578.0	68282	2.2	1.2	95.4	1.2	5.7a	2.9		None		
SBR72-1441	578.0-579.1	68283	6.1	1.4	90.1	2.4	15.5	3.4	.943	None		
SBR72-1442	579.1-580.0	68284	8.1	2.5	88.0	1.4	20.8	5.9	.936	None		
SBR72-1443	580.0-581.0	68285	6.2	2.7	90.2	.9	15.9	6.5	.931	None		
SBR72-1444	581.0-582.0	68286	7.0	3.4	88.7	.9	18.1	8.1	.927	None		
SBR72-1445	582.0-583.0	68287	7.9	4.2	86.8	1.1	20.5	10.1	.921	None		
SBR72-1446	583.0-584.0	68288	7.2	4.4	86.8	1.6	18.9	10.5	.915	None		
SBR72-1447	584.0-584.6	68289	6.6	3.5	88.0	1.9	17.3	8.4	.921	None		
SBR72-1448	584.6-586.0	68290	3.6	1.6	93.6	1.2	9.3	3.8	.928	None		

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See footnote at end of table.

Core samples received January 18, 1972; Assays made on air-dried samples

CONFIDENTIAL PROPRIETARY

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's Gulf Evacuation Corehole No. 2 (con.)

Surface elevation 5,435 feet

Surface elevation 5,455 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		
Laramie	Their		Oil	Water					Oil/		Water	
SBR72-1449	586.0-587.0	68291	2.4	1.5	94.5	1.6	6.3	3.6	0.937	None		
SBR72-1450	587.0-588.0	68292	1.7	1.1	95.5	1.7	4.4	2.6	.941	None		
SBR72-1451	588.0-589.0	68293	2.5	1.4	95.2	.9	6.4	3.4	.942	None		
SBR72-1452	589.0-590.0	68294	2.2	1.4	95.4	1.0	5.7	3.4	.943	None		
SBR72-1453	590.0-591.0	68330	3.2	1.2	94.4	1.2	8.1	2.9	.944	None		
SBR72-1454	591.0-592.0	68332	6.5	1.1	88.3	4.1	16.8	2.6	.927	None		
SBR72-1455	592.0-593.0	68297	1.8	1.5	96.1	.6	4.5	3.6	.943	None		
SBR72-1456	593.0-594.0	68298	4.1	1.5	92.9	1.5	10.6	3.6	.933	None		
SBR72-1457	594.0-595.0	68299	3.0	1.8	94.2	1.0	7.7	4.3	.933	None		
SBR72-1458	595.0-596.0	68300	1.5	1.8	95.9	.8	3.9a	4.3		None		
SBR72-1459	596.0-597.0	68301	1.1	1.6	96.5	.8	2.8a	3.8		None		
SBR72-1460	597.0-598.0	68302	2.7	2.0	94.9	.4	7.0	4.8	.922	None		
SBR72-1461	598.0-599.0	68303	3.9	2.2	92.9	1.0	10.3	5.3	.910	None		
SBR72-1462	599.0-600.0	68304	4.0	2.3	93.1	.6	10.4	5.5	.908	None		
SBR72-1463	600.0-601.0	68305	4.2	2.3	93.1	.4	11.3	5.5	.902	None		
SBR72-1464	601.0-602.0	68306	2.2	2.3	94.8	.7	5.8a	5.5		None		
SBR72-1465	602.0-603.0	68307	3.9	1.4	93.9	.8	10.2	3.4	.908	None		
SBR72-1466	603.0-604.0	68308	2.4	2.0	95.0	.6	6.3	4.8	.920	None		
SBR72-1467	604.0-605.0	68309	1.6	1.6	96.4	.4	4.1a	3.8		None		
SBR72-1468	605.0-606.0	68310	1.4	2.1	95.7	.8	3.6a	5.0		None		
SBR72-1469	606.0-607.0	68311	3.0	1.1	95.2	.7	7.8	2.6	.922	None		
SBR72-1470	607.0-608.0	68312	2.3	1.0	95.6	1.1	6.1a	2.3		None		
SBR72-1471	608.0-609.0	68313	1.4	1.0	96.6	1.0	3.7a	2.4		None		
SBR72-1472	609.0-610.0	68314	.5	.8	98.2	.5	1.3a	1.8		None		
SBR72-1473	610.0-611.0	68315	.7	1.3	97.4	.6	1.9a	3.1		None		
SBR72-1474	611.0-612.0	68316	.6	1.5	97.6	.3	1.5a	3.6		None		
SBR72-1475	612.0-613.0	68317	1.9	1.9	95.6	.6	5.0	4.6	.903	None		
SBR72-1476	613.0-614.0	68318	.8	1.6	97.1	.5	2.1a	3.8		None		
SBR72-1477	614.0-615.0	68319	.9	1.7	96.7	.7	2.4a	4.1		None		
SBR72-1478	615.0-616.0	68320	.5	1.5	97.1	.9	1.4a	3.6		None		

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See footnote at end of table.

Core samples received January 18, 1972; Assays made on air-dried samples

CONFIDENTIAL PROPRIETARY

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's Gulf Evacuation Corehole No. 2 (con.)

Surface elevation 5,435 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										
SBR72-1479	616.0-617.0	68321	0.6	2.5	96.5	0.4	1.7a	6.0		None	
SBR72-1480	617.0-618.0	68322	1.5	2.2	95.9	.4	3.9a	5.3		None	
SBR72-1481	618.0-619.0	68323	2.2	2.2	95.1	.5	5.8a	5.3		None	
SBR72-1482	619.0-620.0	68324	.8	1.2	97.2	.8	2.1a	2.9		None	
SBR72-1483	620.0-621.0	68325	.5	.8	97.8	.9	1.2a	2.0		None	
SBR72-1484	621.0-622.0	68326	2.9	1.1	94.8	1.2	7.4	2.6	0.927	None	
SBR72-1485	622.0-623.0	68327	1.5	1.1	96.2	1.2	3.9	2.6	.931	None	
SBR72-1486	623.0-624.0	68328	1.1	.9	97.4	.6	2.8a	2.2		None	
SBR72-1487	624.0-625.0	68329	6.3	.9	91.2	1.6	16.3	2.3	.923	None	
SBR72-1488	625.0-626.0	68331	1.5	.6	97.6	.3	3.9	1.4	.937	None	
SBR72-1489	626.0-627.0	68333	5.7	.8	92.0	1.5	14.7	2.0	.923	None	
SBR72-1490	627.0-628.0	68334	3.6	.9	94.2	1.3	9.4	2.2	.918	None	
SBR72-1491	628.0-629.0	68663	3.6	.4	94.9	1.1	9.5	1.0	.919	None	
SBR72-1492	629.0-630.0	68664	4.1	.7	94.1	1.1	10.7	1.7	.922	None	
SBR72-1493	630.0-631.0	68523	16.0	1.4	78.9	3.7	42.1	3.4	.913	Medium	
SBR72-1494	631.0-632.0	68665	12.3	1.1	84.1	2.5	32.5	2.6	.908	None	
SBR72-1495	632.0-633.0	68339	3.4	1.2	94.4	1.0	8.9	2.9	.924	None	
SBR72-1496	633.0-634.0	68340	4.0	1.3	93.5	1.2	10.5	3.1	.913	None	
SBR72-1497	634.0-635.0	68341	3.8	1.5	93.4	1.3	9.7	3.6	.925	None	
SBR72-1498	635.0-636.0	68342	5.8	.6	91.8	1.8	15.0	1.4	.925	None	
SBR72-1499	636.0-637.0	68343	4.3	.8	93.3	1.6	11.1	1.9	.927	None	
SBR72-1500	637.0-637.6	68344	2.3	1.5	95.0	1.2	6.0	3.6	.930	None	
SBR72-1501	637.6-639.0	68345	.9	2.3	95.9	.9	2.3a	5.5		None	
SBR72-1502	639.0-640.0	68346	1.2	.8	97.4	.6	3.2a	1.9		None	
SBR72-1503	640.0-641.0	68347	1.5	.9	96.9	.7	3.9a	2.2		None	
SBR72-1504	641.0-642.0	68348	3.6	.8	93.9	1.7	9.4	1.9	.930	None	
SBR72-1505	642.0-643.0	68349	3.7	1.5	93.3	1.5	9.5	3.6	.929	None	
SBR72-1506	643.0-644.0	68350	4.5	1.3	92.7	1.5	11.6	3.1	.928	None	
SBR72-1507	644.0-645.0	68351	3.1	1.1	94.5	1.3	8.0	2.6	.925	None	
SBR72-1508	645.0-646.0	68352	2.5	1.4	94.8	1.3	6.4	3.4	.934	None	

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See footnote at end of table.

Core samples received January 18, 1972; Assays made on air-dried samples

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OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's Gulf Evacuation Corehole No. 2 (con.)

Surface elevation 5,435 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	
SBR72-1509	646.0-647.0	68353	5.0	1.4	92.0	1.6	13.0	3.4	0.931	None	
SBR72-1510	647.0-648.0	68354	5.2	1.2	92.4	1.2	13.3	2.9	.932	None	
SBR72-1511	648.0-649.0	68355	8.4	2.0	87.1	2.5	21.7	4.8	.930	None	
SBR72-1512	649.0-650.3	68356	3.9	.5	94.3	1.3	10.1	1.2	.927	None	
SBR72-1513	650.7-652.0	68357	3.5	.9	94.8	.8	9.2	2.2	.918	None	
SBR72-1514	652.0-653.0	68358	6.5	.8	91.8	.9	16.8	1.9	.919	None	
SBR72-1515	653.0-654.0	68359	3.7	.7	94.6	1.0	9.8	1.7	.910	None	
SBR72-1516	654.0-655.0	68360	2.9	.8	95.2	1.1	7.5	2.0	.922	None	
SBR72-1517	655.0-656.0	68361	3.5	1.0	94.0	1.5	9.1	2.4	.928	None	
SBR72-1518	656.0-657.2	68362	4.3	1.4	93.4	.9	11.3	3.4	.918	None	
SBR72-1519	657.2-657.9	68363	3.5	1.1	93.9	1.5	9.2	2.6	.919	None	
SBR72-1520	657.9-658.6	68364	5.2	1.0	91.8	2.0	13.5	2.4	.916	None	
SBR72-1521	658.6-659.3	68365	.7	4.2	94.4	.7	1.7a	10.1		None	
SBR72-1522	659.3-660.0	68366	11.5	2.0	83.5	3.0	30.1	4.8	.917	None	
SBR72-1523	660.0-661.0	68367	3.0	1.2	94.2	1.6	7.7	2.9	.932	None	
SBR72-1524	661.0-662.0	68368	2.6	1.7	95.0	.7	6.7	4.1	.939	None	
SBR72-1525	662.0-663.0	68369	4.0	1.9	92.8	1.3	10.2	4.6	.932	None	
SBR72-1526	663.0-663.7	68370	7.2	1.7	89.5	1.6	18.8	4.1	.918	None	
SBR72-1527	663.7-665.0	68371	16.7	2.5	77.6	3.2	43.6	6.0	.916	Slight	
SBR72-1528	665.0-666.0	68372	8.4	1.5	87.8	2.3	21.9	3.6	.920	None	
SBR72-1529	666.0-667.0	68373	4.4	2.1	91.8	1.7	11.5	5.0	.927	None	
SBR72-1530	667.0-668.0	68374	8.0	1.9	88.2	1.9	20.9	4.6	.918	None	
SBR72-1531	668.0-669.0	68375	10.2	1.6	86.1	2.1	26.4	3.8	.928	None	
SBR72-1532	669.0-670.0	68376	5.3	2.2	90.7	1.8	13.5	5.3	.936	None	
SBR72-1533	670.0-671.0	68377	1.8	1.7	95.8	.7	4.5	4.1	.938	None	
SBR72-1534	671.0-672.0	68378	1.8	1.5	95.7	1.0	4.7a	3.6		None	
SBR72-1535	672.0-673.0	68379	3.5	1.9	93.3	1.3	8.9	4.6	.937	None	
SBR72-1536	673.0-674.0	68380	5.4	1.7	91.2	1.7	13.8	4.1	.938	None	
SBR72-1537	674.0-674.6	68381	4.7	1.9	91.8	1.6	12.0	4.6	.934	None	
SBR72-1538	674.6-676.0	68382	8.1	2.5	87.3	2.1	20.9	6.0	.930	None	

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See footnote at end of table.

Core samples received January 18, 1972; Assays made on air-dried samples

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OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's Gulf Evacuation Corehole No. 2 (con.)

Surface elevation 5,435 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	Oil ¹ / Water	Water				
Laramie	Their											
SBR72-1539	676.0-677.0	68383	5.5	2.4	90.3	1.8	14.4	5.8	0.917	None		
SBR72-1540	677.0-678.0	68384	12.1	1.7	83.3	2.9	31.4	4.1	.927	None		
SBR72-1541	678.0-679.0	68385	4.0	2.9	91.5	1.6	10.4	7.0	.917	None		
SBR72-1542	679.0-680.0	68386	4.2	2.4	92.0	1.4	10.8	5.8	.921	None		
SBR72-1543	680.0-681.0	68387	2.9	2.0	93.9	1.2	7.4	4.8	.931	None		
SBR72-1544	681.0-682.0	68388	4.9	2.1	91.3	1.7	12.6	5.0	.932	None		
SBR72-1545	682.0-683.0	68389	7.6	1.7	88.7	2.0	19.5	4.1	.930	None		
SBR72-1546	683.0-684.0	68390	8.5	1.5	88.0	2.0	21.8	3.6	.929	None		
SBR72-1547	684.0-685.0	68391	1.5	2.0	95.6	.9	4.0a	4.8		None		
SBR72-1548	685.0-686.0	68392	2.9	1.7	93.7	1.7	7.4	4.1	.931	None		
SBR72-1549	686.0-687.0	68393	3.5	2.0	93.5	1.0	9.0	4.8	.931	None		
SBR72-1550	687.0-688.0	68394	2.0	2.0	95.2	.8	5.2a	4.4		None		
SBR72-1551	688.0-689.0	68395	11.3	1.9	84.0	2.8	28.9	4.6	.936	None		
SBR72-1552	689.0-690.0	68396	11.6	2.0	83.6	2.8	30.2	4.8	.925	Slight		
SBR72-1553	690.0-691.0	68397	5.9	2.5	89.6	2.0	15.3	6.0	.926	None		
SBR72-1554	691.0-692.0	68398	7.0	2.8	88.3	1.9	18.1	6.7	.925	None		
SBR72-1555	692.0-693.0	68399	10.4	1.8	85.1	2.7	27.1	4.3	.922	None		
SBR72-1556	693.0-694.0	68400	3.0	2.2	93.6	1.2	7.8	5.3	.920	None		
SBR72-1557	694.0-695.0	68401	2.5	2.0	94.0	1.5	6.5	4.8	.927	None		
SBR72-1558	695.0-696.0	68402	1.0	1.0	96.1	1.9	2.7a	2.4		None		
SBR72-1559	696.0-697.0	68403	.6	2.7	95.9	.8	1.4a	6.5		None		
SBR72-1560	697.0-698.0	68404	.6	3.5	95.2	.7	1.6a	8.4		None		
SBR72-1561	698.0-699.0	68405	1.4	3.8	93.1	1.7	3.7a	9.1		None		
SBR72-1562	699.0-700.0	68406	.6	2.8	95.6	1.0	1.6a	6.7		None		
SBR72-1563	700.0-701.0	68407	.6	3.2	94.5	1.7	1.5a	7.7		None		
SBR72-1564	701.0-702.0	68408	.3	3.0	95.6	1.1	.7a	7.2		None		
SBR72-1565	702.0-703.0	78409	.4	3.0	95.2	1.4	1.0a	7.2		None		
SBR72-1566	703.0-704.0	68410	.8	3.1	94.8	1.3	2.2a	7.4		None		
SBR72-1567	704.0-705.0	68411	1.0	1.9	96.5	.6	2.6a	4.6		None		
SBR72-1568	705.0-706.0	68412	1.6	2.1	95.6	.7	4.0a	5.0		None		

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See footnote at end of table.

Core samples received January 18, 1972; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's Gulf Evacuation Corehole No. 2 (con.)

Surface elevation 5,435 feet

			Yield of product						Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks
Sample number		Run No.	Weight percent		Spent shale	Gas + loss	Gal per ton			Tendency to coke		
Laramie	Their		Oil	Water			Oil 1/	Water				
SBR72-1569	706.0-707.0	68413	1.0	1.7	96.7	0.6	2.6a	4.1		None		
SBR72-1570	707.0-708.0	68414	2.5	2.0	94.5	1.0	6.4	4.7	0.933	None		
SBR72-1571	708.0-709.0	68415	2.2	2.5	94.1	1.2	5.7	6.0	.939	None		
SBR72-1572	709.0-710.0	68416	6.1	2.6	89.7	1.6	15.6	6.2	.932	None		
SBR72-1573	710.0-711.0	68417	7.2	2.6	88.2	2.0	18.7	6.2	.931	None		
SBR72-1574	711.0-712.0	68418	4.6	2.4	91.6	1.4	11.8	5.8	.928	None		
SBR72-1575	712.0-713.4	68419	3.6	2.5	92.5	1.4	9.3	6.0	.927	None		
SBR72-1576	713.4-714.0	68420	3.6	2.0	92.5	1.9	9.4	4.8	.933	None		
SBR72-1577	714.0-714.7	68421	3.3	2.0	92.3	2.4	8.5	4.8	.929	None		
SBR72-1578	714.7-716.0	68422	8.0	3.0	86.9	2.1	20.7	7.2	.926	None		
SBR72-1579	716.0-717.0	68423	6.5	2.8	88.6	2.1	16.7	6.7	.931	None		
SBR72-1580	717.0-717.6	68424	4.9	2.0	89.7	3.4	12.5	4.8	.934	None		
SBR72-1581	717.6-718.0	68425	3.5	1.5	93.4	1.6	9.0	3.6	.934	None		
SBR72-1582	718.0-719.0	68426	1.6	1.3	96.5	.6	4.2a	3.1		None		
SBR72-1583	719.0-720.0	68427	.6	1.5	97.3	.6	1.6a	3.6		None		
SBR72-1584	720.0-721.0	68428	.4	.9	97.8	.9	1.1a	2.2		None		
SBR72-1585	721.0-722.0	68429	1.9	1.9	95.4	.8	4.9a	4.6		None		
SBR72-1586	722.0-723.0	68430	5.6	3.2	89.6	1.6	14.6	7.7	.924	None		
SBR72-1587	723.0-724.0	68431	9.9	3.5	84.3	2.3	25.7	8.4	.925	None		
SBR72-1588	724.0-725.0	68432	11.4	3.2	82.6	2.8	30.0	7.7	.910	None		
SBR72-1589	725.0-725.7	68433	8.7	3.0	85.9	2.4	22.5	7.2	.922	None		
SBR72-1590	725.7-726.3	68434	4.6	2.7	91.4	1.3	11.9	6.5	.922	None		
SBR72-1591	726.3-727.0	68435	.8	1.3	96.7	1.2	2.1a	2.7		None		
SBR72-1592	727.0-728.0	68436	.6	1.5	96.5	1.4	1.5a	3.6		None		
SBR72-1593	728.0-729.0	68437	2.3	2.0	94.4	1.3	6.0	4.8	.922	None		
SBR72-1594	729.0-730.0	68438	1.2	1.0	96.0	1.8	3.0a	2.4		None		
SBR72-1595	730.0-731.0	68439	1.4	1.7	95.8	1.1	3.6a	4.1		None		
SBR72-1596	731.0-732.0	68440	4.2	2.2	92.0	1.6	10.9	5.3	.920	None		
SBR72-1597	732.0-733.0	68441	3.7	3.0	91.3	2.0	9.8	7.2	.903	None		
SBR72-1598	733.0-734.0	68442	2.5	3.0	92.6	1.9	6.6	7.2	.908	None		

See footnote at end of table.

Core samples received January 18, 1972; Assays made on air-dried samples

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OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's Gulf Evacuation Corehole No. 2 (con.)

Surface elevation 5,435 feet

Sample number		Run No.	Yield of product				Gal per ton		Specific gravity of oil at 60°/60° F	Properties of spent shale	Remarks
			Weight percent		Spent shale	Gas + loss				Tendency to coke	
Laramie	Their		Oil	Water					Oil ^{1/}	Water	
SBR72-1599	734.0-735.0	68443	2.0	2.6	93.6	1.8	5.2a	6.2		None	
SBR72-1600	735.0-736.0	68444	2.3	2.5	92.8	2.4	6.2	6.0	0.902	None	
SBR72-1601	736.0-737.0	68445	2.9	3.0	91.7	2.4	7.6	7.2	.901	None	
SBR72-1602	737.0-738.0	68446	2.0	3.2	93.4	1.4	5.1a	7.7		None	
SBR72-1603	738.0-739.0	68447	2.1	3.1	93.4	1.4	5.4a	7.4		None	
SBR72-1604	739.0-740.0	68448	1.4	3.0	94.6	1.0	3.7a	7.2		None	
SBR72-1605	740.0-740.7	68449	1.7	3.8	93.5	1.0	4.4a	9.1		None	
SBR72-1606	740.7-742.0	68450	.9	.6	96.5	1.0	2.3a	3.8		None	
SBR72-1607	742.0-743.0	68451	.2	1.5	97.5	.8	.6a	3.6		None	
SBR72-1608	743.0-744.0	68452	.7	2.2	96.1	1.0	1.8a	5.3		None	
SBR72-1609	744.0-745.0	68453	.8	2.2	96.4	.6	2.2a	5.3		None	
SBR72-1610	745.0-746.0	68454	1.1	2.6	95.1	1.2	2.9a	6.2		None	
SBR72-1611	746.0-747.0	68455	1.2	2.6	94.6	1.6	3.3a	6.2		None	
SBR72-1612	747.0-748.0	68456	2.2	2.4	93.5	1.9	5.8	5.8	.896	None	
SBR72-1613	748.0-749.2	68457	2.3	2.2	94.3	1.2	6.0	5.3	.908	None	

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

Core samples received January 18, 1972; Assays made on air-dried samples

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