

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

AUG 18 1972

Samples from Gulf Mineral Resources Company's Bonanza No. 7 drilled 1,575 feet N/S and 2,050 feet W/E of sec 20, T 10 S, R 25 E, S.L.M., Uintah County, Utah

CN40661

Surface elevation 5,720 feet

USDM0343

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						
Laramie	U/Their		Oil	Water					Oil	Water		Tendency to coke
SBR72-7070	299.3-300.0	74086	3.2	1.4	94.2	1.2	8.4	3.4	0.919	None		
SBR72-7071	300 -301	74087	1.9	2.0	95.5	.6	5.0a	4.8		None		
SBR72-7072	301 -302	74088	2.7	1.8	94.1	1.4	7.0	4.3	.927	None		
SBR72-7073	302 -303	74089	3.4	1.8	93.9	.9	8.9	4.3	.921	None		
SBR72-7074	303 -304	74090	2.6	1.8	94.9	.7	6.8	4.2	.925	None		
SBR72-7075	304 -305	74091	2.4	1.2	95.7	.7	6.3	2.9	.925	None		
SBR72-7076	305 -306	74092	7.9	1.3	89.2	1.6	20.7	3.1	.921	None		
SBR72-7077	306 -307	74093	4.6	1.3	91.3	2.8	11.8	3.1	.925	None		
SBR72-7078	307 -308	74094	3.1	1.7	94.3	.9	8.0	4.1	.924	None		
SBR72-7079	308 -309	74095	3.5	1.5	94.2	.8	9.3	3.6	.917	None		
SBR72-7080	309 -310	74144	3.6	1.3	94.0	1.1	9.5	3.1	.920	None		
SBR72-7081	310 -311	74097	3.0	1.3	95.0	.7	7.9	3.1	.921	None		
SBR72-7082	311 -312	74038	2.5	1.5	94.7	1.3	6.5	3.6	.925	None		
SBR72-7083	312 -313	74039	7.4	1.6	88.8	2.2	19.4	3.8	.918	None		
SBR72-7084	313 -314	74040	5.0	1.5	91.9	1.6	12.9	3.6	.924	None		
SBR72-7085	314 -315	74041	3.5	1.5	93.8	1.2	8.9	3.6	.931	None		
SBR72-7086	315 -316	74042	2.6	2.0	94.5	.9	6.7	4.8	.927	None		
SBR72-7087	316 -317	74043	2.5	1.5	95.1	.9	6.5	3.5	.927	None		
SBR72-7088	317 -318	74044	2.6	1.1	95.3	1.0	6.8	2.6	.927	None		
SBR72-7089	318 -319	74045	7.9	1.3	88.7	2.1	20.6	3.1	.920	None		
SBR72-7090	319 -320	74046	8.2	1.5	88.2	2.1	21.1	3.6	.927	None		
SBR72-7091	320 -321	74047	4.0	1.2	93.9	.9	10.3	2.9	.925	None		
SBR72-7092	321 -322	74048	3.5	1.3	94.1	1.1	9.1	3.1	.922	None		
SBR72-7093	322 -323	74049	3.5	1.5	94.0	1.0	9.2	3.6	.921	None		
SBR72-7094	323 -324	74050	4.4	1.8	92.2	1.6	11.7	4.3	.913	None		
SBR72-7095	324 -325	74051	8.9	2.0	86.7	2.4	23.3	4.8	.918	None		
SBR72-7096	325 -326	74052	10.4	1.6	85.6	2.4	27.3	3.8	.912	None		
SBR72-7097	326 -327	74053	3.0	1.3	94.4	1.3	7.7	3.2	.925	None		
SBR72-7098	327 -328	74054	2.9	1.5	94.4	1.2	7.6	3.6	.926	None		
SBR72-7099	328 -329	74055	2.7	1.3	95.1	.9	7.0	3.1	.921	None		

See footnote at end of table.

Core samples received April 28, 1972; Assays made on air-dried samples

## OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's Bonanza No. 7 (con.)

Surface elevation 5,720 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		
				Laramie	Thier			Oil	Water			coke	
SBR72-7100	329 -330	74056	2.8	.9	95.5	.8	7.3	2.2	0.927	None			
SBR72-7101	330 -331	74057	3.5	.8	94.2	1.5	9.2	1.8	.927	None			
SBR72-7102	331 -332	74058	5.1	1.0	92.6	1.3	13.3	2.4	.925	None			
SBR72-7103	332 -333	74059	4.4	.7	93.0	1.9	11.5	1.6	.925	None			
SBR72-7104	333 -334	74060	5.1	.9	92.2	1.8	13.2	2.3	.920	None			
SBR72-7105	334 -335	74061	4.3	1.2	93.3	1.2	11.3	2.9	.920	None			
SBR72-7106	335 -336	74108	4.0	.6	93.9	1.5	10.4	1.3	.924	None			
SBR72-7107	336 -337	74063	4.7	1.0	93.1	1.2	12.2	2.4	.917	None			
SBR72-7108	337 -338	74064	12.6	1.7	82.8	2.9	32.9	4.0	.919	Slight			
SBR72-7109	338 -339	74065	4.5	.8	92.9	1.8	11.6	2.0	.920	None			
SBR72-7110	339 -340	74066	3.7	1.0	94.0	1.3	9.5	2.4	.921	None			
SBR72-7111	340 -341	74067	1.6	.6	96.9	.9	4.2a	1.4		None			
SBR72-7112	341 -342	74068	1.1	.9	97.3	.7	2.8a	2.2		None			
SBR72-7113	342 -343	74069	3.4	.8	94.6	1.2	8.8	2.0	.927	None			
SBR72-7114	343 -344	74070	8.0	1.0	88.8	2.2	20.9	2.4	.919	Slight			
SBR72-7115	344 -345	74071	4.8	.7	93.5	1.0	12.5	1.7	.921	None			
SBR72-7116	345 -346	74072	4.1	.8	93.2	1.9	10.7	1.8	.925	None			
SBR72-7117	346 -347	74073	4.2	1.1	93.9	.8	11.1	2.6	.918	None			
SBR72-7118	347 -348	74074	4.2	.7	94.2	.9	10.8	1.7	.927	None			
SBR72-7119	348.0-348.9	74075	5.3	.9	93.2	.6	13.8	2.0	.925	None			
SBR72-7120	348.9-349.5	74076	7.7	3.0	88.4	.9	20.3	7.2	.911	None			
SBR72-7121	349.5-351.0	74077	5.1	.3	93.3	1.3	13.1	.8	.928	None			
SBR72-7122	351 -352	74078	4.0	.4	94.5	1.1	10.2	1.1	.934	None			
SBR72-7123	352 -353	74079	3.8	.5	94.8	.9	9.8	1.3	.931	None			
SBR72-7124	353 -354	74080	3.3	.2	95.2	1.3	8.5	.5	.933	None			
SBR72-7125	354 -355	74081	3.2	.1	95.2	1.5	8.3	.2	.931	None			
SBR72-7126	355 -356	74082	3.1	.5	95.0	1.4	7.9	1.3	.933	None			
SBR72-7127	356 -357	74083	4.2	.5	94.1	1.2	10.9	1.2	.932	None			
SBR72-7128	357 -358	74084	4.9	.5	93.0	1.6	12.5	1.3	.932	None			
SBR72-7129	358.0-358.7	74085	7.9	2.1	88.9	1.1	20.6	5.0	.915	Slight			

See footnote at end of table.

Core samples received April 28, 1972; Assays made on air-dried samples

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Samples from Gulf Mineral Resources Company's Bonanza No. 7 (con.)

Surface elevation 5,720 feet

Sample number			Run No.	Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale			
				Weight percent		Gal per ton			Tendency to	Remarks		
				Oil	Water	Spent shale	Gas + loss				Oil	Water
Laramie	Their											
SBR72-7130	359 -360		74098	5.4	.8	92.7	1.1	14.0	2.0	.923	None	
SBR72-7131	360 -361		74099	4.3	.8	93.9	1.0	11.1	1.9	.929	None	
SBR72-7132	361 -362		74100	4.7	.5	93.7	1.1	12.2	1.2	.933	None	
SBR72-7133	362 -363		74101	4.4	.7	93.9	1.0	11.3	1.6	.932	None	
SBR72-7134	363 -364		74102	4.7	.6	93.6	1.1	12.2	1.4	.929	None	
SBR72-7135	364 -365		74103	4.8	.6	93.5	1.1	12.5	1.3	.930	None	
SBR72-7136	365 -366		74104	4.7	.5	93.9	.9	12.1	1.3	.926	None	
SBR72-7137	366 -367		74105	4.6	.3	93.9	1.2	12.0	.7	.923	None	
SBR72-7138	367.0-368.3		74106	4.8	1.2	93.0	1.0	12.5	2.9	.923	None	
SBR72-7139	368.3-369.5		74107	3.9	.3	94.4	1.4	10.0	.8	.932	None	
SBR72-7140	369.5-370.8		74110	5.0	.6	93.4	1.0	13.0	1.3	.929	None	
SBR72-7141	370.8-372.0		74111	4.8	1.0	93.1	1.1	12.5	2.3	.925	None	
SBR72-7142	372 -373		74112	3.2	.8	95.1	.9	8.3	1.9	.929	None	
SBR72-7143	373 -374		74113	5.0	.6	91.7	2.7	13.1	1.4	.924	None	
SBR72-7144	374 -375		74114	6.0	.7	92.0	1.3	15.6	1.7	.921	None	
SBR72-7145	375 -376		74115	4.0	.5	94.4	1.1	10.3	1.2	.932	None	
SBR72-7146	376 -377		74116	3.6	.6	94.9	.9	9.3	1.4	.926	None	
SBR72-7147	377 -378		74117	2.3	.4	96.5	.8	5.9	1.0	.925	None	
SBR72-7148	378 -379		74118	2.9	.5	95.6	1.0	7.6	1.1	.924	None	
SBR72-7149	379 -380		74119	6.0	.6	92.2	1.2	15.7	1.3	.921	None	
SBR72-7150	380 -381		74120	5.3	.6	92.5	1.6	13.8	1.4	.920	None	
SBR72-7151	381 -382		74121	4.3	.7	94.1	.9	11.0	1.8	.923	None	
SBR72-7152	382 -383		74122	3.8	.3	94.6	1.3	9.9	.7	.931	None	
SBR72-7153	383 -384		74123	4.1	.6	94.2	1.1	10.4	1.4	.933	None	
SBR72-7154	384.0-385.5		74124	5.8	.9	92.1	1.2	14.9	2.2	.926	None	
SBR72-7155	385.5-386.5		74125	3.6	2.7	93.2	.5	9.3	6.5	.925	None	Wavy bedded tuff
SBR72-7156	386.5-387.5		74126	2.0	3.2	94.2	.6	5.2	7.7	.922	None	Wavy bedded tuff
SBR72-7157	387.5-389.0		74127	4.8	.4	93.7	1.1	12.5	1.0	.923	None	
SBR72-7158	389 -390		74128	5.0	.1	94.0	.9	12.9	.2	.921	None	
SBR72-7159	390 -391		74129	5.6	.2	92.6	1.6	14.5	.5	.924	None	

Core samples received April 28, 1972; Assays made on air-dried samples

## OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's Bonanza No. 7 (con.)

Surface elevation 5,720 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	
SBR72-7160	391	-392	74130	6.0	.2	92.2	1.6	15.6	.5	0.920	None	
SBR72-7161	392	-393	74131	7.0	.4	91.0	1.6	18.3	1.1	.917	None	
SBR72-7162	393	-394	74132	6.0	.3	92.3	1.4	15.5	.7	.925	None	
SBR72-7163	394	-395	74133	4.4	.5	93.3	1.8	11.5	1.2	.924	None	
SBR72-7164	395	-396	74134	3.3	.5	95.2	1.0	8.6	1.2	.933	None	
SBR72-7165	396	-397	74135	2.9	.7	95.6	.8	7.4	1.7	.926	None	
SBR72-7166	397	-398	74136	4.5	.6	94.0	.9	11.6	1.6	.927	None	
SBR72-7167	398	-399	74137	5.4	.7	92.7	1.2	14.0	1.6	.924	None	
SBR72-7168	399	-400	74138	3.7	.7	94.3	1.3	9.6	1.7	.928	None	
SBR72-7169	400	-401	74139	2.8	.5	95.9	.8	7.1	1.3	.928	None	
SBR72-7170	401	-402	74140	3.3	.6	94.9	1.2	8.5	1.4	.927	None	
SBR72-7171	402	-403	74141	3.0	.5	95.3	1.2	7.8	1.2	.929	None	
SBR72-7172	403	-404	74142	2.1	.6	96.2	1.1	5.5	1.3	.925	None	
SBR72-7173	404	-405	74143	6.3	.4	92.0	1.3	16.3	1.1	.920	None	
SBR72-7174	405	-406	74145	5.5	.5	92.9	1.1	14.4	1.2	.920	None	
SBR72-7175	406	-407	74146	3.6	.5	94.8	1.1	9.4	1.2	.930	None	
SBR72-7176	407	-408	74147	3.8	.5	94.2	1.5	9.9	1.2	.925	None	
SBR72-7177	408	-409	74148	5.3	.5	93.1	1.1	13.9	1.2	.920	None	
SBR72-7178	409	-410	74149	14.2	.9	82.4	2.5	36.7	2.2	.925	None	
SBR72-7179	410	-411	74150	5.3	.6	93.0	1.1	13.8	1.4	.928	None	
SBR72-7180	411	-412	74151	4.8	.7	93.3	1.2	12.5	1.7	.925	None	
SBR72-7181	412	-413	74152	5.0	.8	93.3	.9	13.1	1.9	.920	None	
SBR72-7182	413	-414	74153	5.3	.4	92.8	1.5	13.6	1.1	.925	None	
SBR72-7183	414	-415	74154	5.3	.6	93.1	1.0	13.8	1.4	.919	None	
SBR72-7184	415	-416	74155	10.8	.5	85.8	2.9	28.1	1.3	.917	None	
SBR72-7185	416	-417	74156	6.9	.3	91.2	1.6	18.0	.8	.917	None	
SBR72-7186	417	-418	74158	5.7	.4	92.9	1.0	14.9	1.0	.913	None	
SBR72-7187	418	-419	74159	9.3	.8	87.9	2.0	24.6	1.8	.909	Slight	
SBR72-7188	419	-420	74160	9.1	.6	88.6	1.7	23.9	1.4	.915	Slight	
SBR72-7189	420	-421	74161	2.5	.2	96.8	.5	6.6	.4	.923	None	Thin bedded

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Surface elevation 5,720 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		
Laramie	Their		Oil	Water					Oil	Water		coke	
SBR72-7190	421 -422	74162	2.1	0.5	96.7	0.7	5.4	1.2	0.929	None			
SBR72-7191	422 -423	74163	2.1	.3	96.5	1.1	5.3	.7	.930	Slight			
SBR72-7192	423 -424	74164	1.3	.0	97.7	1.0	3.3a	.1		None			
SBR72-7193	424 -425	74165	3.0	.2	95.2	1.6	7.7	.6	.934	None			
SBR72-7194	425 -426	74166	1.8	.1	96.8	1.3	4.6a	.4		None			
SBR72-7195	426 -427	74167	2.1	.2	96.7	1.0	5.4	.5	.927	None			
SBR72-7196	427 -428	74168	1.6	.2	97.1	1.1	4.1	.5	.925	None			
SBR72-7197	428 -429	74169	1.1	.2	97.6	1.1	3.0a	.5		None			
SBR72-7198	429 -430	74170	.9	.0	98.4	.7	2.3a	.0		None			
SBR72-7199	430 -431	74171	1.2	.2	98.0	.6	3.0a	.6		None	Bottom of A-Groove		
SBR72-7200	431 -432	74172	4.1	.6	94.2	1.1	10.9	1.4	.909	None			
SBR72-7201	432.0-433.5	74173	5.8	.3	92.3	1.6	15.2	.6	.912	None			
SBR72-7202	433.5-434.6	74174	15.9	1.6	79.1	3.4	42.0	3.7	.909	Moderate			
SBR72-7203	434.6-435.6	74175	7.3	.9	90.0	1.8	19.2	2.2	.916	None			
SBR72-7204	435.6-436.6	74176	5.6	.9	91.5	2.0	14.8	2.2	.914	None			
SBR72-7205	436.6-437.6	74177	4.5	.5	93.5	1.5	11.9	1.1	.912	None			
SBR72-7206	437.6-438.6	74178	5.4	1.5	91.6	1.5	14.2	3.5	.917	None			
SBR72-7207	439.1-440.1	74179	10.0	1.1	87.3	1.6	26.0	2.6	.920	None			
SBR72-7208	440.1-441.1	74180	12.4	1.1	84.1	2.4	32.2	2.6	.921	None			
SBR72-7209	441.1-442.1	74181	8.6	.7	89.3	1.4	22.6	1.7	.914	None			
SBR72-7210	442.1-443.0	74182	11.5	1.0	85.5	2.0	30.1	2.4	.912	Slight			
SBR72-7211	443.0-444.3	74183	16.4	1.7	78.9	3.0	43.4	4.1	.907	Moderate			
SBR72-7212	444.3-445.6	74184	9.1	1.2	88.2	1.5	24.0	2.9	.907	Slight			
SBR72-7213	445.6-447.0	74185	6.8	1.2	90.7	1.3	17.9	2.8	.915	None			
SBR72-7214	447 -448	74186	4.1	1.2	93.7	1.0	10.6	2.9	.922	None			
SBR72-7215	448 -449	74187	6.2	1.3	91.1	1.4	16.2	3.1	.919	None			
SBR72-7216	449 -450	74188	7.4	1.0	90.0	1.6	19.5	2.4	.914	None			
SBR72-7217	450 -451	74189	4.2	.6	94.0	1.2	10.9	1.6	.915	None			
SBR72-7218	451 -452	74190	5.2	.6	93.1	1.1	13.8	1.3	.914	None	Halogeny marker		
SBR72-7219	452 -453	74256	5.0	.2	93.5	1.3	13.1	.6	.906	None	452.5-453.3		

See footnote at end of table.

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Surface elevation 5,720 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					
Laramie	Their		Oil	Water					Oil	Water	
SBR72-7220	453 -454	74257	4.3	0.2	94.5	1.0	11.5	0.5	0.893	None	
SBR72-7221	454 -455	74258	3.2	.4	95.1	1.3	8.6	1.0	.908	None	
SBR72-7222	455.0-456.3	74194	5.3	.7	93.1	.9	14.2	1.6	.901	None	
SBR72-7223	456.3-457.6	74195	6.5	.7	91.6	1.2	17.2	1.8	.905	None	
SBR72-7224	457.6-458.8	74196	18.5	1.6	76.5	3.4	48.2	3.8	.920	Slight	
SBR72-7225	458.8-460.0	74197	9.3	1.4	87.8	1.5	24.5	3.4	.909	None	
SBR72-7226	460 -461	74198	9.4	1.7	86.9	2.0	24.8	4.1	.911	None	
SBR72-7227	461 -462	74199	7.5	1.4	90.1	1.0	19.9	3.4	.900	None	
SBR72-7228	462 -463	74200	8.0	.9	89.1	2.0	21.1	2.2	.907	None	
SBR72-7229	463 -464	74201	8.6	.7	88.8	1.9	22.7	1.7	.910	None	
SBR72-7230	464 -465	74202	13.3	.9	83.5	2.3	35.2	2.2	.907	None	
SBR72-7231	465 -466	74203	12.6	.7	84.5	2.2	33.4	1.6	.905	None	
SBR72-7232	466 -467	74204	17.3	1.1	78.5	3.1	45.8	2.6	.904	None	
SBR72-7233	467.0-467.8	74205	30.4	2.1	62.1	5.4	80.6	5.1	.904	Heavy	Highogany be
SBR72-7234	468 -469	74206	26.7	2.6	64.4	6.3	70.7	6.1	.906	Heavy	Highogany be
SBR72-7235	469.0-470.2	74207	21.3	1.8	72.4	4.5	56.6	4.3	.904	Medium	
SBR72-7236	470.2-471.2	74208	15.8	1.1	80.5	2.6	42.5	2.6	.894	Medium	
SBR72-7237	471.2-472.2	74209	18.2	.7	75.9	5.2	47.6	1.8	.916	Medium	
SBR72-7238	472.2-473.2	74210	9.6	1.2	87.3	1.9	25.2	2.8	.915	Slight	
SBR72-7239	473.2-474.2	74211	7.4	.8	90.4	1.4	19.4	1.8	.921	None	
SBR72-7240	474.2-475.2	74212	8.4	.8	88.5	2.3	22.2	2.0	.907	None	
SBR72-7241	475.2-476.6	74213	15.8	.9	80.5	2.8	41.6	2.1	.913	None	
SBR72-7242	476.6-478.0	74214	6.3	.7	91.5	1.5	16.5	1.6	.914	None	
SBR72-7243	478 -479	74215	6.9	.6	91.3	1.2	18.2	1.4	.916	None	
SBR72-7244	479 -480	74216	9.8	.6	86.8	2.8	26.0	1.5	.901	Slight	
SBR72-7245	480 -481	74217	20.9	1.2	74.5	3.4	55.3	3.0	.905	Slight	
SBR72-7246	481 -482	74218	14.4	.6	82.2	7.8	38.4	1.4	.897	None	
SBR72-7247	482 -483	74219	15.3	.6	79.6	4.5	40.5	1.6	.903	None	
SBR72-7248	483 -484	74220	7.8	.2	89.9	2.1	21.3	.4	.881	None	
SBR72-7249	484 -485	74221	11.1	.5	86.9	1.5	30.2	1.2	.880	None	

Core samples received April 28, 1972; Assays made on air-dried samples

## OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's Bonanza No. 7 (con.)

Surface elevation 5,720 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	
				Oil	Water			Oil	Water				
Laramie	Their												
SBR72-7250	485	-486	74222	14.5	1.1	81.6	2.8	38.3	2.6	0.908	None		
SBR72-7251	486	-487	74223	6.6	.5	91.4	1.5	17.5	1.2	.909	None		
SBR72-7252	487	-488	74224	6.0	.6	90.8	2.6	15.7	1.6	.915	None		
SBR72-7253	488	-489	74225	5.6	.5	92.2	1.7	14.8	1.2	.913	None		
SBR72-7254	489	-490	74226	7.0	.6	90.3	2.1	18.5	1.4	.909	None		
SBR72-7255	490	-491	74227	12.0	.7	85.3	2.0	31.6	1.7	.909	None		
SBR72-7256	491	-492	74228	6.5	.6	91.6	1.3	17.1	1.6	.910	None		
SBR72-7257	492	-493	74229	4.0	1.8	93.9	.3	10.6	4.3	.915	None		
SBR72-7258	493	-494	74230	5.0	.7	92.7	1.6	12.7	1.7	.932	None		
SBR72-7259	494	-495	74231	4.8	.7	93.2	1.3	12.6	1.7	.915	None		
SBR72-7260	495	-496	74232	13.1	1.0	83.5	2.4	34.7	2.3	.906	None		
SBR72-7261	496	-497	74233	14.7	.9	82.4	2.0	38.9	2.2	.903	None		
SBR72-7262	497	-498	74234	11.9	.9	85.5	1.7	32.3	2.2	.881	None		
SBR72-7263	498	-499	74235	9.0	.8	88.6	1.6	23.9	1.9	.905	None		
SBR72-7264	499.0-500.6		74236	10.3	1.1	86.1	2.5	27.1	2.6	.907	None		
SBR72-7265	501	-502	74237	10.6	.8	84.8	3.8	28.3	2.0	.894	None		
SBR72-7266	502	-503	74238	8.3	.9	89.0	1.8	22.2	2.2	.899	None		
SBR72-7267	503	-504	74239	7.6	.9	89.9	1.6	20.0	2.2	.909	None		
SBR72-7268	504	-505	74240	5.1	.7	92.9	1.3	13.2	1.7	.919	None		
SBR72-7269	505	-506	74241	4.4	.8	93.7	1.1	11.5	1.9	.922	None		
SBR72-7270	506	-507	74242	6.2	.7	91.1	2.0	16.2	1.6	.920	None		
SBR72-7271	507	-508	74243	9.4	1.0	87.4	2.2	24.2	2.3	.927	None		
SBR72-7272	508	-509	74244	4.2	.4	93.9	1.5	10.7	1.1	.930	None		
SBR72-7273	509	-510	74245	4.4	.5	93.9	1.2	11.3	1.2	.925	None		
SBR72-7274	510	-511	74246	3.4	.8	94.5	1.3	8.9	1.9	.922	None		
SBR72-7275	511	-512	74247	2.3	.5	96.4	.8	6.0	1.2	.921	None		
SBR72-7276	512	-513	74277	2.2	.5	96.6	.7	5.8	1.2	.920	None		
SBR72-7277	513	-514	74297	6.9	.5	90.9	1.7	18.3	1.3	.903	None		
SBR72-7278	514.0-515.4		74298	4.3	1.8	92.7	1.2	11.2	4.3	.914	None		
SBR72-7279	515.4-516.6		74299	3.5	.3	94.9	1.3	9.1	.8	.912	None		

Core samples received April 28, 1972; Assays made on air-dried samples

## OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's Bonanza No. 7 (con.)

Surface elevation 5,720 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				
Laramie	Their		Oil	Water					Oil	Water	
SBR72-7280	516.6-517.7	74300	12.7	0.6	84.1	2.6	33.1	1.4	0.919	Medium	
SBR72-7281	517.7-518.7	74301	4.9	.5	93.3	1.3	12.8	1.2	.915	None	
SBR72-7282	518.7-519.7	74254	12.7	.7	84.1	2.5	33.4	1.8	.908	None	

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

Core samples received April 28, 1972; Assays made on air-dried samples