

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's Gulf Evacuation Corehole No. 1 drilled in NW1/4SW1/4 (2104 feet N/S 372 feet E/W) of sec 13, T 10 S, R 24 E, Uintah County, Utah

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 ¹ / ₁	Water				
Laramie	Their											
SBR72- 93	465.0-466.0	66912	3.6	0.5	94.9	1.0	9.3	1.2	0.930	None		
SBR72- 94	466.0-467.0	66913	3.2	.6	95.4	.8	8.2	1.6	.923	None		
SBR72- 95	467.0-468.0	66914	3.6	.5	94.7	1.2	9.4	1.2	.926	None	1.6 foot	
SBR72- 96	468.0-469.0	66915	3.9	.6	94.5	1.0	10.1	1.4	.925	None		
SBR72- 97	469.0-470.0	66916	3.4	.6	95.0	1.0	8.8	1.4	.937	None		
SBR72- 98	470.0-471.0	66917	3.7	.7	94.6	1.0	9.5	1.6	.934	None		
SBR72- 99	471.0-472.0	66918	7.4	.7	90.3	1.6	18.9	1.7	.933	None		
SBR72-100	472.0-473.3	66919	5.1	.7	92.9	1.3	13.1	1.7	.928	None		
SBR72-101	473.3-474.5	66920	2.6	.8	95.4	1.2	6.9	1.9	.926	None		
SBR72-102	474.5-475.5	66921	1.6	1.0	96.7	.7	4.1a	2.5		None		
SBR72-103	475.5-476.7	66922	3.2	.7	95.0	1.1	8.4	1.7	.930	None		
SBR72-104	476.7-478.0	66923	3.9	.4	94.4	1.3	10.0	1.1	.936	None		
SBR72-105	478.0-479.0	66924	4.0	.5	94.3	1.2	10.2	1.3	.934	None		
SBR72-106	479.0-480.0	66925	4.0	.6	94.2	1.2	10.3	1.4	.932	None		
SBR72-107	480.0-481.0	66926	3.2	.6	95.6	.6	8.2	1.6	.936	None		
SBR72-108	481.0-482.0	66927	2.4	.9	95.9	.8	6.6	2.2	.876	None		
SBR72-109	482.0-483.0	66928	2.6	.6	95.9	.9	6.7	1.4	.932	None		
SBR72-110	483.0-484.0	66929	2.8	.8	95.8	.6	7.0	1.9	.972	None		
SBR72-111	484.0-485.0	66930	2.8	.8	95.9	.5	7.2	1.8	.936	None		
SBR72-112	485.0-486.0	66931	2.3	.6	96.1	1.0	6.0	1.4	.926	None		
SBR72-113	486.0-487.0	66932	3.6	.6	94.7	1.1	9.1	1.4	.936	None		
SBR72-114	487.0-488.0	66933	8.4	.7	89.1	1.8	21.7	1.8	.925	None		
SBR72-115	488.0-489.0	66934	3.1	.7	95.4	.8	8.0	1.7	.928	None		
SBR72-116	489.0-490.0	66935	2.9	.6	95.4	1.1	7.4	1.4	.940	None		
SBR72-117	490.0-491.0	66936	2.6	.7	96.1	.6	6.6	1.8	.934	None		
SBR72-118	491.0-492.0	66937	2.4	.7	96.6	.3	6.3	1.6	.934	None		
SBR72-119	492.0-493.0	66938	2.9	.4	95.5	1.2	7.7	.8	.918	None		
SBR72-120	493.0-494.0	66939	1.9	.5	96.1	1.5	4.9	1.1	.929	None		
SBR72-121	494.0-495.0	66940	2.3	.9	95.7	1.1	5.9	2.2	.934	None		
SBR72-122	495.0-496.0	66941	2.5	.8	95.4	1.3	6.4	1.9	.933	None		

See footnote at end of table.

Core samples received December 27, 1971; 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. 1 (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											
BR72-123	496.0-497.0	66942	2.2	0.8	95.7	1.3	5.7	1.9	0.934	None		
BR72-124	497.0-498.0	66943	2.4	.9	95.4	1.3	6.3	2.0	.934	None		
BR72-125	498.0-499.0	66944	2.4	.5	95.6	1.5	6.1	1.3	.937	None		
BR72-126	499.0-500.0	66945	2.4	.8	95.5	1.3	6.3	1.9	.939	None		
BR72-127	500.0-501.0	66946	2.9	.8	94.0	2.3	7.5	1.8	.935	None		
BR72-128	501.0-502.0	66947	2.8	.4	95.4	1.4	7.1	1.1	.929	None		
BR72-129	502.0-503.0	66948	1.9	.8	95.9	1.4	5.0	1.8	.926	None		
BR72-130	503.0-504.0	66949	1.6	1.3	96.0	1.1	4.2	3.1	.923	None		
BR72-131	504.0-505.0	66950	2.8	.4	95.7	1.1	7.2	1.1	.938	None		
BR72-132	505.0-506.0	66951	3.7	.7	94.8	.8	9.4	1.8	.936	None		
BR72-133	506.0-507.0	66952	10.2	1.1	86.5	2.2	26.2	2.6	.935	None		
BR72-134	507.0-508.0	66953	3.1	.8	95.3	.8	8.0	1.8	.933	None		
BR72-135	508.0-509.0	66954	2.5	.8	96.0	.7	6.4	1.9	.933	None		
BR72-136	509.0-510.6	66955	2.2	1.0	96.2	.6	5.8	2.3	.929	None		
BR72-137	511.0-512.0	66956	2.3	.7	96.2	.8	5.8	1.7	.931	None		
BR72-138	512.0-513.0	66957	2.3	1.1	95.6	1.0	5.8	2.6	.935	None		
BR72-139	513.0-514.0	66958	9.8	1.0	86.9	2.3	25.2	2.4	.926	None		
BR72-140	514.0-515.0	66959	3.8	.3	94.8	1.1	9.6	.7	.940	None		
BR72-141	515.0-516.0	66960	3.3	.7	94.8	1.2	8.4	1.7	.941	None		
BR72-142	516.0-517.0	66963	3.1	.6	95.6	.7	7.9	1.4	.935	None		
BR72-143	517.0-518.0	66964	2.8	.6	95.8	.8	7.0	1.6	.942	None		
BR72-144	518.0-519.0	66965	2.8	.7	96.3	.2	7.2	1.8	.934	None		
BR72-145	519.0-520.0	66966	3.4	.7	95.6	.3	8.8	1.6	.933	None		
BR72-146	520.0-521.0	66967	4.5	.8	94.2	.5	11.4	1.8	.950	None		
BR72-147	521.0-522.0	66968	4.0	.5	94.5	1.0	10.1	1.2	.940	None		
BR72-148	522.0-523.0	66969	3.1	.9	95.3	.7	7.8	2.0	.961	None		
BR72-149	523.0-524.0	66970	2.3	1.0	94.4	2.3	6.0	2.4	.941	None		
BR72-150	524.0-525.0	66971	2.1	1.0	96.8	.1	5.5	2.3	.925	None		
BR72-151	525.0-526.0	66972	2.2	1.1	96.7	.0	5.7	2.6	.928	None		
BR72-152	526.0-527.0	66973	2.5	1.0	96.4	.1	6.3	2.4	.939	None		

Core samples received December 27, 1971; 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. 1 (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					
			Laramie	Their			Oil	Water			
BR72-153	527.0-528.0	66974	3.2	0.7	95.2	0.9	8.0	1.7	0.938	None	
BR72-154	528.0-529.0	66975	3.0	.4	94.3	2.3	7.7	1.0	.937	None	
BR72-155	529.0-530.0	66976	4.4	.9	93.2	1.5	11.1	2.2	.944	None	
BR72-156	530.0-531.0	66977	7.6	.8	89.8	1.8	19.3	2.0	.939	None	
BR72-157	531.0-532.0	66978	3.2	.7	95.0	1.1	8.1	1.8	.939	None	
BR72-158	532.0-533.0	66979	2.9	.7	94.9	1.5	7.5	1.7	.941	None	
BR72-159	533.0-534.0	66980	1.9	.7	96.0	1.4	4.9	1.7	.933	None	
BR72-160	534.0-535.0	66981	3.4	.6	94.6	1.4	8.6	1.4	.935	None	
BR72-161	535.0-536.0	66982	4.2	.7	91.7	3.4	10.7	1.8	.935	None	
BR72-162	536.0-537.0	66983	3.3	.6	94.9	1.2	8.4	1.3	.939	None	
BR72-163	537.0-538.0	66984	3.5	.6	94.0	1.9	9.1	1.6	.922	None	
BR72-164	538.0-539.0	66985	5.3	1.4	91.7	1.6	13.8	3.4	.927	None	
BR72-165	539.0-540.0	66986	4.7	.9	92.1	2.3	12.2	2.2	.925	None	
BR72-166	540.0-541.0	66987	3.6	.9	94.0	1.5	9.3	2.2	.928	None	
BR72-167	541.0-542.0	66988	2.9	1.1	94.7	1.3	7.5	2.8	.925	None	
BR72-168	542.0-543.0	66989	2.0	1.3	95.6	1.1	5.2	3.1	.922	None	
BR72-169	543.0-544.0	66990	5.2	1.2	91.9	1.7	13.5	2.9	.919	None	
BR72-170	544.0-545.0	66991	10.7	1.3	85.6	2.4	27.7	3.1	.925	None	
BR72-171	545.0-546.0	66992	3.9	.8	94.1	1.2	9.9	1.9	.933	None	
BR72-172	546.0-547.0	66993	2.4	1.1	94.9	1.6	6.2	2.6	.933	None	
BR72-173	547.0-548.0	66994	2.6	1.0	95.4	1.0	6.8	2.3	.929	None	
BR72-174	548.0-549.0	66995	2.7	.5	94.9	1.9	7.1	1.2	.928	None	
BR72-175	549.0-550.0	66996	3.1	1.1	94.7	1.1	8.0	2.6	.923	None	
BR72-176	550.0-551.0	66997	4.9	.6	92.4	1.8	12.7	2.2	.923	None	
BR72-177	551.0-552.0	66998	7.7	.8	89.7	1.8	19.9	1.9	.928	None	
BR72-178	552.0-553.0	66999	4.0	.8	93.9	1.3	10.2	1.9	.926	None	
BR72-179	553.0-554.0	67000	3.1	.9	94.4	1.6	8.1	2.2	.926	None	
BR72-180	554.0-555.0	67001	3.3	1.1	94.3	1.3	8.6	2.6	.928	None	
BR72-181	555.0-556.0	67002	3.5	1.1	94.2	1.2	9.2	2.5	.925	None	
BR72-182	556.0-557.0	67003	8.3	1.2	88.0	2.5	21.6	2.9	.921	None	

Core samples received December 27, 1971; 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. 1 (con.)

Surface elevation 5,435 feet

Sample number	Run No.	Yield of product		Spent shale	Gas + loss	Gal per ton		Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks
		Oil	Water			Oil	Water		Tendency to	coke	
Laramie	Thcir										
BR72-183	557.0-558.0	67004	6.8	1.0	90.0	2.2	17.5	2.4	0.931	None	
BR72-184	558.0-559.0	67005	3.7	.7	94.2	1.4	9.4	1.8	.932	None	
BR72-185	559.0-560.0	67006	3.5	.9	94.3	1.3	8.9	2.2	.932	None	
BR72-186	560.0-561.0	67007	3.7	.7	94.2	1.4	9.5	1.6	.942	None	
BR72-187	561.0-562.0	67008	4.4	.8	92.5	2.3	11.2	1.9	.940	None	
BR72-188	562.0-563.0	67009	4.8	.6	93.2	1.4	12.3	1.6	.937	None	
BR72-189	563.0-564.0	67010	5.2	.5	93.4	.9	13.3	1.3	.932	None	
BR72-190	564.0-565.0	67011	4.9	.8	92.6	1.7	12.7	1.8	.925	None	
BR72-191	565.0-566.0	67012	6.8	1.3	90.1	1.8	17.5	3.2	.927	None	
BR72-192	566.0-567.0	67013	4.9	.9	93.2	2.0	12.6	2.2	.934	None	
BR72-193	567.0-568.0	67014	4.9	.8	93.2	1.1	12.6	1.8	.939	None	
BR72-194	568.0-569.4	67015	5.4	.6	93.0	1.0	13.8	1.4	.935	None	
BR72-195	569.4-570.8	67016	4.9	.5	93.5	1.1	12.6	1.1	.935	None	
BR72-196	576.5-577.5	67017	5.7	.9	92.5	.9	14.7	2.0	.933	None	570.8-576.5 missing
BR72-197	577.5-578.7	67018	5.2	.6	93.5	.7	13.3	1.4	.929	None	
BR72-198	578.7-580.0	67019	5.0	.4	93.7	.9	13.0	.8	.928	None	
BR72-199	580.0-581.0	67020	4.5	.9	93.2	1.4	11.9	2.0	.915	None	
BR72-200	581.0-582.0	67021	4.7	1.1	93.3	.9	12.3	2.6	.910	None	
BR72-201	582.0-583.0	67022	5.3	1.1	92.2	1.4	13.8	2.6	.916	None	
BR72-202	583.0-584.0	67023	5.3	1.1	92.2	1.4	13.9	2.6	.914	None	
BR72-203	584.0-585.0	67024	4.9	1.0	92.8	1.3	12.9	2.4	.916	None	
BR72-204	585.0-586.0	67025	5.1	1.0	93.0	.9	13.3	2.4	.916	None	
BR72-205	586.0-587.0	67026	4.9	.9	93.3	.9	12.8	2.2	.921	None	
BR72-206	587.0-588.0	67027	4.6	.6	93.2	1.6	12.0	1.4	.926	None	
BR72-207	588.0-589.0	67028	5.6	1.2	91.5	1.7	14.6	2.9	.922	None	
BR72-208	589.0-590.0	67029	6.4	1.1	90.9	1.6	16.8	2.6	.916	None	
BR72-209	590.0-591.2	67030	6.0	1.2	91.3	1.5	15.7	2.9	.917	None	
BR72-210	591.2-592.3	67031	5.6	.7	92.2	1.5	14.5	1.7	.921	None	
BR72-211	592.3-593.3	67032	11.1	1.5	85.0	2.4	29.1	3.6	.918	None	
BR72-212	593.3-594.6	67033	7.8	1.0	89.5	1.7	20.3	2.4	.919	None	

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Samples from Gulf Mineral Resources Company's Gulf Evacuation Corehole No. 1 (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											
BR72-213	594.6-596.0	67034	9.3	1.4	86.7	2.6	24.4	3.4	0.916	None		
BR72-214	596.0-597.0	67035	7.6	1.2	89.2	2.0	20.1	2.9	.913	None		
BR72-215	597.0-598.0	67036	5.9	.9	91.4	1.8	15.5	2.2	.911	None		
BR72-216	598.0-599.0	67037	4.8	1.2	92.6	1.4	12.5	2.9	.917	None		
BR72-217	599.0-600.0	67038	3.8	1.5	93.5	1.2	9.9	3.6	.925	None		
BR72-218	600.0-601.0	67039	4.3	.8	93.8	1.1	11.2	1.9	.923	None		
BR72-219	601.0-602.0	67040	5.1	1.0	92.2	1.7	13.5	2.4	.914	None		
BR72-220	602.0-603.0	67041	4.7	1.2	92.8	1.3	12.3	2.9	.922	None		
BR72-221	603.0-604.0	67042	3.3	1.5	94.1	1.1	8.5	3.6	.925	None		
BR72-222	604.0-605.3	67043	3.1	1.2	94.6	1.1	8.0	2.9	.929	None		
BR72-223	605.3-606.6	67044	4.2	1.0	93.7	1.1	10.8	2.4	.920	None		
BR72-224	606.6-607.6	67045	12.1	1.5	83.9	2.5	31.6	3.6	.921	None		
BR72-225	607.6-608.8	67046	5.4	.9	91.9	1.8	14.1	2.2	.913	None		
BR72-226	608.8-610.0	67047	3.2	1.3	93.6	1.9	8.5	3.1	.915	None		
BR72-227	610.0-611.0	67048	3.2	1.3	94.0	1.5	8.2	3.1	.925	None		
BR72-228	611.0-612.0	67049	3.0	1.2	94.7	1.1	7.7	2.9	.926	None		
BR72-229	612.0-613.0	67050	4.1	1.7	92.6	1.6	10.7	4.1	.926	None		
BR72-230	613.0-614.0	67051	4.6	.8	92.5	2.1	11.8	1.9	.925	None		
BR72-231	614.0-615.0	67052	3.3	1.3	93.7	1.7	8.7	3.1	.915	None	rubble	
BR72-232	615.0-617.0	67053	2.5	1.9	93.9	1.7	6.6	4.6	.918	None	rubble	
BR72-233	617.0-618.0	67054	2.2	2.2	94.4	1.2	5.7	5.3	.925	None		
BR72-234	618.0-619.0	67055	3.8	1.6	92.7	1.9	9.9	3.8	.918	None		
BR72-235	619.0-620.0	67056	2.9	1.5	94.2	1.4	7.5	3.6	.915	None		
BR72-236	620.0-621.0	67057	2.7	1.6	94.7	1.0	7.0	3.7	.922	None		
BR72-237	621.0-622.0	67058	2.6	.9	95.1	1.4	6.8	2.2	.928	None		
BR72-238	622.0-622.9	67059	10.2	1.7	85.5	2.6	26.4	4.1	.923	None		
BR72-239	622.9-624.0	67060	3.4	1.5	93.2	1.9	8.8	3.6	.927	None		
BR72-240	624.0-625.0	67061	2.6	2.0	94.2	1.2	6.8	4.8	.925	None		
BR72-241	625.0-626.0	67062	3.5	1.5	93.4	1.6	9.2	3.6	.925	None		
BR72-242	626.0-627.0	67063	3.2	1.6	93.2	2.0	8.3	3.8	.929	None		

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Surface elevation 5,435 feet

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			Weight percent		Spent shale		Gas + loss			Gal per ton			Tendency to coke
			Oil	Water						Oil ^{1/}	Water		
Laramie	Their												
BR72-243	627.0-628.0	67064	3.3	1.2	93.8	1.7	8.5	2.9	0.925	None			
BR72-244	628.0-629.0	67065	2.2	1.6	94.4	1.8	5.6	3.8	.930	None			
BR72-245	629.0-630.0	67066	4.3	1.7	91.9	2.1	11.2	4.1	.924	None			
BR72-246	630.0-631.0	67067	9.0	1.8	86.7	2.5	23.4	4.3	.924	None			
BR72-247	631.0-632.0	67068	3.6	1.5	93.5	1.4	9.3	3.6	.936	None			
BR72-248	632.0-633.0	67069	3.1	1.9	93.7	1.3	7.9	4.6	.935	None			
BR72-249	633.0-634.0	67070	2.5	1.9	95.1	.5	6.5	4.6	.938	None			
BR72-250	634.0-636.0	67071	2.2	1.3	95.0	1.5	5.6	3.1	.940	None			
BR72-251	636.0-637.3	67072	7.4	1.1	87.5	4.0	18.9	2.6	.938	None			
BR72-252	637.3-638.3	67073	6.1	1.2	91.2	1.5	15.6	2.9	.934	None			
BR72-253	638.3-639.3	67074	3.0	1.4	94.5	1.1	7.7	3.4	.935	None			
BR72-254	639.3-640.3	67075	3.3	1.5	94.0	1.2	8.5	3.6	.935	None			
BR72-255	640.3-641.3	67076	3.9	1.2	93.3	1.6	10.1	2.9	.923	None			
BR72-256	641.3-642.3	67077	4.8	2.0	92.3	.9	12.5	4.8	.923	None			
BR72-257	642.3-643.3	67078	4.7	1.6	92.7	1.0	12.2	3.8	.928	None			
BR72-258	643.3-644.3	67079	15.9	1.8	78.7	3.6	41.2	4.3	.925	None			
BR72-259	644.3-645.5	67080	3.7	1.4	93.3	1.6	9.6	3.4	.927	None			
BR72-260	645.5-646.6	67081	3.1	1.4	94.8	.7	8.0	3.4	.930	None			
BR72-261	646.6-647.7	67082	2.8	.8	95.4	1.0	7.0	1.9	.942	None			
BR72-262	647.7-648.8	67-83	2.6	1.1	95.6	.7	6.6	2.6	.933	None			
BR72-263	648.8-650.0	67084	3.8	1.3	94.0	.9	9.9	3.1	.933	None			
BR72-264	650.0-651.4	67085	4.3	1.2	93.6	.9	11.2	2.9	.926	None			
BR72-265	651.4-652.8	67086	5.4	1.1	92.0	1.5	14.3	2.6	.915	None			
BR72-266	652.8-654.4	67087	2.6	.8	93.7	2.9	6.8	1.9	.930	None			
BR72-267	654.4-655.8	67088	4.5	1.5	92.8	1.2	11.6	3.6	.930	None			
BR72-268	655.8-657.2	67089	5.7	.9	91.1	2.3	14.8	2.2	.919	None			
BR72-269	657.2-658.2	67090	15.1	1.1	80.8	3.0	39.1	2.6	.925	None			
BR72-270	658.2-659.4	67091	4.1	1.0	93.8	1.1	10.8	2.4	.915	None			
BR72-271	659.4-660.6	67092	3.8	1.3	93.8	1.1	9.8	3.1	.919	None			
BR72-272	660.6-661.6	67093	1.2	1.8	96.2	.8	3.2a	4.3		None			

See footnote at end of table.

Core samples received December 27, 1971; 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. 1 (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			
Laramie	Their	Oil	Water	Spent shale	Gas + loss	Oil 1/ Water
R72-273	661.6-662.6	67094	1.0	1.8	95.8	1.4 2.7a 4.3
R72-274	662.6-663.8	67095	3.5	1.2	93.9	1.4 9.0 2.9
R72-275	663.8-665.0	67096	8.9	.9	87.6	2.6 23.0 2.2
R72-276	665.0-666.0	67097	4.7	1.0	93.1	1.2 12.2 2.4
R72-277	666.0-667.0	67098	4.0	1.0	93.8	1.2 10.2 2.4
R72-278	667.0-668.0	67099	4.4	.9	93.6	1.1 11.5 2.0
R72-279	668.0-669.3	67100	4.3	1.0	93.2	1.5 11.0 2.4
R72-280	669.3-670.3	67101	6.4	1.2	90.3	2.1 16.6 2.9
R72-281	670.3-671.3	67102	5.1	.9	92.5	1.5 13.2 2.2
R72-282	671.3-672.7	67103	4.5	.6	93.6	1.3 11.5 1.3
R72-283	672.7-674.0	67104	4.4	.8	93.6	1.2 11.4 1.9
R72-284	674.0-675.0	67105	3.7	.7	94.2	1.4 9.4 1.8
R72-285	675.0-676.4	67106	3.6	.6	94.9	.9 9.2 1.6
R72-286	676.4-678.0	67107	4.7	.5	93.5	1.3 12.0 1.2
R72-287	678.0-679.0	67108	6.7	1.2	91.1	1.0 17.4 3.0
R72-288	679.0-680.0	67109	4.8	.8	93.6	.8 12.5 1.8
R72-289	680.0-681.0	67110	4.4	.6	94.3	.7 11.2 1.4
R72-290	681.0-682.0	67111	4.2	.5	92.2	3.1 10.7 1.2
R72-291	682.0-683.0	67112	3.7	.4	94.7	1.2 9.4 1.1
R72-292	683.0-684.1	67113	5.0	.2	92.7	2.1 12.7 .6
R72-293	684.1-685.3	67114	4.6	.5	93.8	1.1 11.9 1.2
R72-294	685.3-686.5	67115	4.4	.5	94.1	1.0 11.4 1.2
R72-295	686.5-687.5	67116	4.3	.4	94.3	1.0 11.0 1.0
R72-296	687.5-688.5	67117	6.3	1.3	91.7	.7 16.3 3.1
R72-297	688.5-689.8	67118	4.4	.4	94.4	.8 11.1 1.0
R72-298	689.8-691.3	67119	5.2	.6	93.8	.4 13.4 1.4
R72-299	691.3-692.9	67120	4.4	.6	93.3	1.7 11.5 1.4
R72-300	692.9-694.3	67121	5.7	.8	92.8	.7 14.8 1.9
R72-301	694.3-695.4	67309	5.9	.5	92.9	.7 15.3 1.2
R72-302	695.4-696.5	67123	5.9	.5	93.5	.1 15.2 1.2

See footnote at end of table.

Core samples received December 27, 1971; 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. 1 (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		
			Oil	Water			Oil	Water			
Laramie	Their										
SBR72-303	696.5-697.6	67124	3.6	0.7	95.3	0.4	9.2	1.8	0.929	None	
SBR72-304	697.6-698.8	67125	1.8	1.0	97.1	.1	4.6	2.4	.928	None	
SBR72-305	698.8-700.0	67126	4.2	.4	94.9	.5	11.0	1.0	.925	None	
SBR72-306	700.0-701.0	67127	6.8	.6	91.7	.9	17.8	1.4	.923	None	
SBR72-307	701.0-702.0	67128	5.1	.4	94.1	.4	13.2	1.1	.923	None	
SBR72-308	702.0-703.0	67129	4.2	.6	95.0	.2	10.8	1.6	.923	None	
SBR72-309	703.0-704.2	67130	4.2	.5	95.3	.0	10.8	1.2	.928	None	
SBR72-310	704.2-705.5	67131	2.9	1.5	95.4	.2	7.4	3.6	.939	None	
SBR72-311	705.5-706.6	67132	7.3	1.1	90.5	1.1	18.9	2.6	.924	None	
SBR72-312	706.6-707.6	67133	3.1	3.6	93.2	.1	8.0	8.6	.928	None	Upper wavy tuff
SBR72-313	707.6-708.7	67134	2.2	4.4	93.2	.2	5.7	10.5	.930	None	Upper wavy tuff
SBR72-314	708.7-709.7	67135	4.5	.8	93.8	.9	11.4	1.9	.943	None	
SBR72-315	709.7-711.0	67136	4.3	.9	94.3	.5	11.0	2.2	.935	None	
SBR72-316	711.0-712.0	67137	5.1	.7	93.4	.8	13.2	1.7	.925	None	
SBR72-317	712.0-713.0	67138	6.6	.8	91.8	.8	17.1	1.9	.924	None	
SBR72-318	713.0-714.0	67139	6.1	.6	92.5	.8	15.9	1.4	.924	None	
SBR72-319	714.0-715.0	67140	7.6	.7	90.8	.9	19.7	1.7	.921	None	
SBR72-320	715.0-716.0	67142	6.4	.5	91.6	1.5	16.7	1.2	.923	None	
SBR72-321	716.0-717.0	67143	4.1	.3	94.2	1.4	10.6	.7	.926	None	
SBR72-322	717.0-718.0	67144	3.8	.3	94.5	1.4	9.6	.8	.938	None	
SBR72-323	718.0-719.0	67145	3.0	1.1	95.0	.9	7.8	2.6	.936	None	
SBR72-324	719.0-720.0	67146	3.6	1.1	94.3	1.0	9.3	2.6	.934	None	
SBR72-325	720.0-721.0	67147	5.2	.5	93.0	1.3	13.3	1.3	.925	None	
SBR72-326	721.0-722.0	67148	5.1	.6	93.1	1.2	13.2	1.4	.925	None	
SBR72-327	722.0-723.0	67149	2.8	1.4	95.0	.8	7.2	3.4	.936	None	
SBR72-328	723.0-724.0	67150	3.1	1.0	95.1	.8	7.9	2.4	.936	None	
SBR72-329	724.0-725.0	67151	3.6	1.1	94.4	.9	9.2	2.6	.934	None	
SBR72-330	725.0-726.0	67152	2.5	1.9	94.6	1.0	6.4	4.6	.928	None	
SBR72-331	726.0-727.0	67153	3.6	1.5	94.1	.8	9.4	3.6	.921	None	
SBR72-332	727.0-728.0	67154	6.4	.6	91.8	1.2	16.6	1.3	.923	None	

Core samples received December 27, 1971; 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. 1 (con.)

Surface elevation 5,435 feet

		Yield of product							Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks
		Weight percent			Gal per ton		Tendency to					
Sample number	Run No.	Oil	Water	Spent shale	Gas + loss	Oil 1/	Water	coke				
Laramie	Their											
BR72-333	728.0-729.0	67155	5.7	1.0	92.1	1.2	14.7	2.4	0.924	None		
BR72-334	729.0-730.0	67156	3.8	1.2	93.9	1.1	9.7	2.9	.928	None		
BR72-335	730.0-731.2	67157	4.0	1.1	93.8	1.1	10.5	2.6	.926	None		
BR72-336	731.2-732.2	67158	4.4	1.2	93.3	1.1	11.6	2.9	.921	None		
BR72-337	732.2-733.6	67159	13.4	.6	82.4	3.6	34.7	1.4	.929	None		
BR72-338	733.6-735.0	67160	4.7	1.5	92.4	1.4	12.3	3.6	.922	None		
BR72-339	735.0-736.3	67161	5.0	1.0	92.4	1.6	13.1	2.4	.923	None		
BR72-340	736.3-737.5	67162	5.5	1.0	92.0	1.5	14.3	2.4	.922	None		
BR72-341	737.5-738.7	67163	5.7	.8	91.7	1.8	14.8	1.9	.920	None		
BR72-342	738.7-739.7	67164	5.9	1.2	91.5	1.4	15.4	2.9	.914	None		
BR72-343	739.7-740.7	67165	15.0	1.0	81.1	2.9	39.3	2.4	.914	None		
BR72-344	740.7-742.2	67166	6.0	.5	92.5	1.0	15.8	1.1	.914	None		
BR72-345	742.2-743.5	67167	6.2	1.2	91.5	1.1	16.2	2.9	.910	None		
BR72-346	743.5-744.4	67168	13.8	1.9	81.1	3.2	36.2	4.6	.913	Medium		
BR72-347	744.4-745.4	67169	5.4	1.5	91.9	1.2	14.2	3.6	.920	None		
BR72-348	745.4-746.4	67170	2.8	1.0	95.7	.5	7.2	2.4	.927	None	Top A-groove	
BR72-349	746.4-747.4	67171	2.4	1.4	95.4	.8	6.2	3.4	.930	None		
BR72-350	747.4-748.4	67172	2.1	2.2	94.7	1.0	5.5	5.3	.929	None		
BR72-351	748.4-749.4	67173	1.1	2.7	94.5	1.7	2.8a	6.6		None		
BR72-352	749.4-750.4	67174	2.8	2.1	94.4	.7	7.3	5.0	.930	None		
BR72-353	750.4-751.4	67175	2.4	1.9	94.3	1.4	6.2	4.6	.936	None		
BR72-354	751.4-752.6	67176	2.1	.6	96.8	.5	5.4	1.4	.929	None		
BR72-355	752.6-753.8	67177	1.1	1.5	96.8	.6	2.9a	3.6		None		
BR72-356	753.8-755.0	67178	.9	1.5	96.8	.8	2.3a	3.6		None		
BR72-357	755.0-756.0	67179	1.0	.8	97.0	1.2	2.6a	1.9		None	Bottom A-groove	
BR72-358	756.0-757.3	67180	4.7	1.0	92.7	1.6	12.1	2.4	.918	None		
BR72-359	757.3-758.6	67181	5.5	.8	92.6	1.1	14.4	1.9	.907	None		
BR72-360	758.6-759.7	67182	17.4	1.6	77.7	3.3	46.4	3.8	.900	None		
BR72-361	759.7-761.0	67183	7.0	1.1	90.9	1.0	18.5	2.6	.912	None		
BR72-362	761.0-762.2	67184	6.2	1.0	91.1	1.7	16.3	2.4	.911	None		

See footnote at end of table.

Core samples received December 27, 1971; 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. 1 (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	Water				
SBR72-363	762.2-763.0	67185	4.3	0.8	93.8	1.1	11.2	2.0	0.917	None		
SBR72-364	763.0-763.9	67186	5.4	1.7	92.0	.9	14.1	4.1	.913	None		
SBR72-365	763.9-765.3	67187	9.1	1.2	87.7	2.0	23.7	2.9	.919	None		
SBR72-366	765.3-766.6	67188	12.2	1.3	83.9	2.6	32.1	3.1	.911	None		
SBR72-367	766.6-768.4	67189	9.6	1.7	86.9	1.8	25.3	4.1	.911	None		
SBR72-368	768.4-769.8	67190	16.4	1.2	79.0	3.4	43.1	2.9	.911	None		
SBR72-369	769.8-771.0	67191	10.5	.7	87.1	1.7	28.1	1.8	.896	None		
SBR72-370	771.0-772.0	67192	7.7	.7	89.8	1.8	20.4	1.7	.907	None		
SBR72-371	772.0-773.0	67193	7.4	.8	90.4	1.4	19.5	1.9	.914	None		
SBR72-372	773.0-774.0	67194	4.6	1.0	93.3	1.1	12.0	2.4	.916	None		
SBR72-373	774.0-775.0	67195	5.8	1.0	92.0	1.2	15.1	2.4	.918	None		
SBR72-374	775.0-776.0	67196	8.1	.8	89.8	1.3	21.4	1.9	.909	None		
SBR72-375	776.0-777.0	67197	5.5	.9	92.6	1.0	14.5	2.2	.916	None		
SBR72-376	777.0-778.0	67198	4.4	.6	93.4	1.6	11.6	1.4	.916	None		
SBR72-377	778.0-779.0	67199	4.7	.3	94.0	1.0	12.3	.7	.913	None	Mahogany marker 779.2-779.6	
SBR72-378	779.0-780.0	67200	4.5	2.0	93.0	.5	11.7	4.8	.914	None		
SBR72-379	780.0-781.0	67201	4.7	.3	94.1	.9	12.5	.7	.905	None		
SBR72-380	781.0-782.0	67202	3.9	.4	94.9	.8	10.3	1.0	.901	None		
SBR72-381	782.0-783.3	67203	5.2	.5	93.1	1.2	13.8	1.2	.904	None		
SBR72-382	783.3-784.3	67204	5.6	.5	92.4	1.5	14.8	1.2	.907	None		
SBR72-383	784.3-785.5	67205	17.9	1.0	77.3	3.8	46.6	2.4	.920	Medium		
SBR72-384	785.5-786.6	67206	11.3	1.2	84.8	2.7	29.7	2.9	.913	None		
SBR72-385	786.6-787.7	67207	8.0	.8	88.5	2.7	21.1	1.9	.910	None		
SBR72-386	787.7-788.9	67208	7.4	1.5	88.9	2.2	19.4	3.6	.908	None		
SBR72-387	788.9-790.1	67209	6.2	.8	91.1	1.9	16.4	1.9	.905	None		
SBR72-388	790.1-791.3	67210	7.7	1.1	89.1	2.1	20.2	2.6	.910	None		
SBR72-389	791.3-792.4	67211	10.9	.8	85.8	2.5	28.7	1.9	.914	None		
SBR72-390	792.4-793.5	67212	13.3	.6	83.6	2.5	35.1	1.4	.909	None		
SBR72-391	793.5-794.2	67213	20.3	1.1	74.3	4.3	53.9	2.6	.903	Medium		
SBR72-392	794.2-795.4	67214	22.7	1.2	71.7	4.4	60.2	2.9	.906	Heavy	Mahogany bed	

Core samples received December 27, 1971; 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. 1 (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	
			Weight percent		Spent shale	Gas + loss	Gal per ton			Tendency to coke	Remarks
Laramie	Their		Oil	Water					Oil		
BR72-393	795.4-796.6	67215	26.2	2.8	65.7	5.3	69.2	6.7	0.907	Heavy	Mahogany bed
BR72-394	796.6-797.6	67216	23.0	2.1	70.7	4.2	60.8	5.0	.907	Heavy	Mahogany bed
BR72-395	797.6-798.8	67217	15.0	2.1	80.6	2.3	39.6	5.0	.905	None	
BR72-396	798.8-800.0	67218	21.6	1.6	73.1	3.7	56.9	3.8	.911	Heavy	
BR72-397	800.0-801.3	67219	11.6	.8	85.6	2.0	30.2	2.0	.920	Slight	
BR72-398	801.3-802.8	67220	7.5	1.0	89.9	1.6	19.8	2.4	.910	None	
BR72-399	802.8-804.2	67221	15.4	.9	81.3	2.4	40.3	2.2	.916	None	
BR72-400	804.2-805.5	67222	6.9	1.3	90.3	1.5	18.1	3.1	.915	None	
BR72-401	805.5-806.7	67223	8.6	1.2	88.8	1.4	22.7	2.9	.904	None	
BR72-402	806.7-807.8	67224	22.0	1.2	73.3	3.5	58.0	2.9	.909	Medium	
BR72-403	807.8-808.9	67225	14.5	.9	81.9	2.7	38.8	2.2	.897	None	
BR72-404	808.9-810.0	67226	19.0	.7	76.6	3.7	50.2	1.8	.906	Medium	
BR72-405	810.0-811.4	67227	9.1	1.0	87.9	2.0	24.4	2.4	.888	None	
BR72-406	811.4-812.4	67228	9.2	.7	88.4	1.7	24.9	1.8	.886	None	
BR72-407	812.4-813.4	67229	18.9	.7	76.6	3.8	50.1	1.7	.904	Medium	
BR72-408	813.4-814.6	67230	7.2	.8	90.5	1.5	19.1	1.8	.904	None	
BR72-409	814.6-815.9	67231	6.2	1.6	90.3	1.9	16.2	4.0	.912	None	
BR72-410	815.9-817.0	67232	14.0	1.0	82.1	2.9	36.6	2.4	.913	Slight	
BR72-411	819.0-820.2	67233	15.9	.9	79.9	3.3	41.3	2.3	.920	Slight	
BR72-412	820.2-821.6	67234	6.1	1.6	90.8	1.5	16.0	3.8	.914	None	
BR72-413	821.6-823.0	67235	4.1	1.8	92.3	1.8	10.6	4.3	.924	None	
BR72-414	823.0-824.0	67236	4.0	2.0	92.4	1.6	10.3	4.8	.921	None	
BR72-415	824.0-825.0	67237	5.2	1.6	91.6	1.6	13.7	3.8	.908	None	
BR72-416	825.0-826.0	67238	10.2	.5	87.0	2.3	27.4	1.2	.898	None	
BR72-417	826.0-827.0	67239	13.4	.9	83.1	2.6	35.8	2.0	.900	None	
BR72-418	827.0-828.0	67240	12.0	.7	84.8	2.5	32.3	1.7	.892	None	
BR72-419	828.0-829.2	67241	9.4	.7	88.3	1.6	25.0	1.7	.902	None	
BR72-420	829.2-830.3	67242	9.3	1.2	87.7	1.8	24.7	2.9	.905	None	
BR72-421	830.3-831.9	67243	12.8	.8	83.8	2.6	34.2	1.8	.900	None	
BR72-422	831.9-833.0	67244	8.4	.5	89.5	1.6	22.3	1.3	.896	None	

Core samples received December 27, 1971; 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. 1 (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											
BR72-423	833.0-834.0	67245	8.0	0.9	89.0	2.1	21.1	2.2	0.906	None		
BR72-424	834.0-835.0	67246	4.9	1.4	92.1	1.6	12.9	3.4	.917	None		
BR72-425	835.0-836.0	67247	5.0	1.2	92.6	1.2	13.2	2.8	.917	None		
BR72-426	836.0-837.0	67248	4.0	1.8	93.1	1.1	10.3	4.3	.921	None		
BR72-427	837.0-838.2	67249	5.3	1.5	91.7	1.5	13.9	3.6	.915	None		
BR72-428	838.2-839.3	67250	9.8	.7	87.2	2.3	25.5	1.7	.920	None		
BR72-429	839.0-840.3	67251	4.2	.4	94.0	1.4	10.9	1.1	.917	None	Footage correction	
BR72-430	840.3-841.5	67252	3.3	1.3	94.3	1.1	8.5	3.1	.925	None		
BR72-431	841.5-843.0	67253	2.1	.8	96.5	.6	5.3	1.9	.928	None		
BR72-432	843.0-844.0	67254	3.0	.8	95.3	.9	8.0	1.9	.912	None		
BR72-433	844.0-845.4	67255	7.4	.6	90.9	1.1	20.0	1.3	.887	None		
BR72-434	845.4-846.7	67256	2.7	1.2	95.2	.9	7.1	2.9	.896	None		
BR72-435	846.7-847.7	67257	4.2	.8	94.3	.7	11.3	1.9	.905	None		
BR72-436	847.7-849.0	67258	12.0	.7	85.1	2.2	31.4	1.7	.918	None		
BR72-437	849.0-850.3	67259	4.4	.3	94.3	1.0	11.4	.8	.919	None		
BR72-438	850.3-851.5	67260	3.2	.5	95.5	.8	8.5	1.2	.907	None		
BR72-439	851.5-852.5	67261	6.5	.6	91.6	1.3	17.2	1.4	.901	None		
BR72-440	852.5-853.4	67262	19.5	.8	76.2	3.5	51.1	2.0	.914	Medium		
BR72-441	853.4-854.4	67263	8.8	.7	88.9	1.6	22.9	1.7	.925	None		
BR72-442	854.4-855.6	67295	2.9	.6	95.8	.7	7.5	1.4	.924	None		
BR72-443	855.6-857.0	67265	1.5	1.1	96.9	.5	3.8a	2.6		None		
BR72-444	857.0-858.0	67266	1.4	1.2	96.9	.5	3.6a	2.9		None		
BR72-445	858.0-859.1	67267	1.9	.8	96.8	.5	4.9a	2.0		None		
BR72-446	859.1-860.1	67268	8.0	1.0	89.7	1.3	20.8	2.4	.918	None		
BR72-447	860.1-861.4	67269	6.4	2.8	89.7	1.1	16.6	6.7	.923	None		
BR72-448	861.4-862.6	67296	8.1	.8	89.6	1.5	21.2	1.9	.921	None		
BR72-449	862.6-863.8	67297	5.5	1.0	92.6	.9	14.2	2.4	.923	None		
BR72-450	863.8-865.0	62272	3.1	.7	95.3	.9	7.9	1.7	.928	None		
BR72-451	865.0-866.0	62273	1.4	1.1	96.7	.8	3.8a	2.6		None		
BR72-452	866.0-867.0	62274	2.4	.7	95.9	1.0	6.2	1.7	.942	None		

See footnote at end of table.

Core samples received December 27, 1971; 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. 1 (con.)

Surface elevation 5,435 feet

Sample number	Run No.	Yield of product		Spent shale	Gas + loss	Gal per ton		Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks
		Weight percent	Oil			Oil	Water		Tendency to	coke	
Laramie Their											
R72-453	867.0-868.0	67275	2.5	0.5	96.2	0.8	6.5	1.2	0.939	None	
R72-454	868.0-869.2	67276	1.8	.8	96.2	1.2	4.7	1.9	.944	None	
R72-455	869.2-870.4	67277	2.4	.8	96.1	.7	6.1	1.8	.941	None	
R72-456	870.4-871.4	67278	3.1	1.0	95.1	.8	7.9	2.4	.941	None	
R72-457	871.4-872.6	67279	1.7	.6	97.1	.6	4.4	1.4	.940	None	
R72-458	872.6-873.7	67280	3.5	1.0	94.2	1.3	9.0	2.4	.924	None	
R72-459	873.7-874.9	67281	2.9	.9	94.3	1.9	7.5	2.2	.927	None	
R72-460	874.9-875.9	67282	1.4	1.3	96.8	.5	3.7	3.1	.935	None	
R72-461	875.9-877.0	67283	1.9	.8	97.2	.1	4.9	1.9	.935	None	
R72-462	877.0-878.0	67284	2.4	1.3	95.9	.4	6.2	3.1	.922	None	
R72-463	878.0-879.0	67285	3.5	1.0	95.0	.5	9.4	2.4	.904	None	
R72-464	879.0-880.0	67286	1.9	1.7	95.7	.7	5.0a	4.0		None	
R72-465	880.0-881.0	67287	2.2	1.7	95.0	1.1	5.9a	4.1		None	
R72-466	881.0-882.0	67288	2.3	2.0	95.2	.5	6.1	4.8	.912	None	
R72-467	882.0-883.0	67289	1.4	1.8	96.7	.1	3.7a	4.3		None	
R72-468	883.0-884.0	67290	1.5	1.6	96.7	.2	3.8a	3.8		None	
R72-469	884.0-885.0	67291	2.2	1.9	95.6	.3	5.7a	4.6		None	
R72-470	885.0-886.0	67292	1.7	1.1	96.7	.5	4.3a	2.6		None	
R72-471	886.0-887.0	67293	1.6	1.7	96.4	.3	4.2a	4.1		None	
R72-472	887.0-888.0	67294	1.4	1.3	97.0	.3	3.6a	3.1		None	
R72-473	888.0-889.1	67298	1.8	1.2	96.3	.7	4.7a	2.9		None	
R72-474	889.1-890.0	67299	1.8	1.2	96.7	.3	4.7a	2.9		None	
R72-475	890.0-891.0	67300	3.4	.9	95.2	.5	8.9	2.2	.898	None	
R72-476	891.0-892.0	67301	1.1	.9	97.9	.1	2.8a	2.3		None	
R72-477	892.0-893.0	67302	.7	1.0	98.2	.1	1.7a	2.4		None	
R72-478	893.0-894.0	67303	.5	1.1	98.3	.1	1.3a	2.6		None	
R72-479	894.0-895.4	67304	.8	1.1	98.0	.1	2.2a	2.5		None	
R72-480	895.4-896.7	67305	.9	1.5	97.5	.1	2.4a	3.6		None	
R72-481	896.7-897.7	67310	.8	1.0	97.3	.9	2.1a	2.4		None	
R72-482	897.7-898.7	67311	1.0	1.0	97.2	.8	2.6a	2.4		None	

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

Core samples received December 27, 1971; Assays made on air-dried samples