

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

U-49

Samples from Gulf Mineral Resources Company's No. 1 Southam Corehole drilled in the SE1/4NW1/4
(3,582 feet N/S, 2,015 feet E/W) of sec 22, T 10 S, R 24 E, Uintah County, Utah

Face elevation 5,242 feet

Sample number			Run No.	Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks
Sample	Their	Weight percent		Spent shale	Gas + loss	Gal per ton	Tendency to coke				
			Oil	Water			Oil 1/	Water			
72-9570	816.9-818.0	76666	2.7	0.5	95.7	1.1	7.1	1.2	0.929	None	Beginning of core
72-9571	818 -819	76667	2.9	.8	94.9	1.4	7.6	1.8	.923	None	
72-9572	819 -820	76668	5.9	.6	92.1	1.4	15.4	1.4	.922	None	
72-9573	820 -821	76669	5.7	.3	92.7	1.3	14.8	.7	.927	None	
72-9574	821 -822	76670	3.9	.4	94.1	1.6	10.2	.8	.930	None	
72-9575	822 -823	76671	3.4	.8	94.6	1.2	8.8	1.9	.925	None	
72-9576	823 -824	76672	4.1	.9	94.1	.9	10.7	2.2	.918	None	
72-9577	824 -825	76673	9.5	.6	88.3	1.6	24.9	1.3	.919	None	
72-9578	825 -826	76674	13.9	.6	83.0	2.5	35.9	1.6	.927	None	
72-9579	826 -827	76675	5.1	.6	93.1	1.2	13.2	1.6	.921	None	
72-9580	827 -828	76676	5.1	.7	93.1	1.1	13.4	1.6	.921	None	
72-9581	828 -829	76677	4.9	.8	93.3	1.0	12.7	1.9	.922	None	
72-9582	829 -830	76678	5.7	.7	92.5	1.1	14.8	1.7	.922	None	2/
72-9583	830.5-831.0	76679	5.2	.6	93.0	1.2	13.7	1.4	.913	None	
72-9584	831 -832	76680	6.8	.6	91.3	1.3	17.8	1.4	.914	None	
72-9585	832 -833	76681	13.2	.6	83.8	2.4	34.4	1.6	.919	None	
72-9586	833 -834	76682	5.6	.4	92.4	1.6	14.7	1.0	.912	None	
72-9587	834 -835	76683	5.8	.3	92.3	1.6	15.0	.8	.920	None	
72-9588	835.0-835.5	76684	5.5	.7	92.7	1.1	14.3	1.8	.913	None	2/
72-9589	836 -837	76685	15.0	1.0	81.4	2.6	39.6	2.3	.908	Moderate	
72-9590	837 -838	76686	5.9	.6	92.3	1.2	15.5	1.3	.920	None	
72-9591	838 -839	76687	2.6	.8	95.3	1.3	6.9	1.8	.923	None	
72-9592	839 -840	76688	2.2	1.0	95.5	1.3	5.7	2.4	.923	None	
72-9593	840.0-841.2	76689	2.3	.9	95.4	1.4	5.9	2.3	.925	None	2/
72-9594	841.7-843.0	76690	2.5	1.1	95.1	1.3	6.5	2.6	.925	None	
72-9595	843.0-843.7	76691	3.1	1.8	92.1	3.0	8.1	4.3	.929	None	
72-9596	843.7-844.4	76692	1.1	1.6	95.5	1.8	3.0a	3.8		None	2/
72-9597	844.9-846.0	76693	2.2	.2	96.3	1.3	5.8	.5	.928	None	
72-9598	846 -847	76694	1.5	.4	96.6	1.5	3.9a	1.0		None	
72-9599	847 -848	76695	.9	.8	96.6	1.7	2.3a	2.0		None	

Footnotes at end of table.

Core samples received August 8, 1972; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's No. 1 Southam Corehole (con.)

Surface elevation 5,242 feet

			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		
Sample number		Run No.	Oil	Water			Oil 1/	Water				
Laramie	Their											
R72-9600	848 -849	76696	1.4	0.7	96.5	1.4	3.6a	1.8		None		
R72-9601	849.0-849.8	76697	2.0	.8	96.2	1.0	5.1a	1.9		None		
R72-9602	849.8-850.5	76700	3.7	.9	93.9	1.5	9.7	2.2	0.915	None	2/	
R72-9603	851 -852	76701	5.6	.8	92.2	1.4	14.8	1.8	.909	None		
R72-9604	852 -853	76702	17.3	1.3	78.0	3.4	45.9	3.1	.903	Moderate		
R72-9605	853 -854	76703	7.1	.6	89.6	2.7	18.7	1.4	.912	None		
R72-9606	854.0-854.7	76704	7.7	.7	89.4	2.2	20.3	1.8	.909	None	2/	
R72-9607	855.2-856.0	76705	5.4	.5	92.5	1.6	14.3	1.2	.908	None		
R72-9608	856 -857	76706	5.4	.4	92.4	1.8	14.3	1.0	.911	None		
R72-9609	857 -858	76707	8.9	.6	88.1	2.4	23.2	1.4	.918	None		
R72-9610	858.0-858.8	76708	10.1	.5	86.0	3.4	26.5	1.2	.915	None		
R72-9611	858.8-859.5	76709	14.2	.9	81.4	3.5	37.2	2.2	.916	Moderate	2/	
R72-9612	860 -861	76710	9.1	.8	88.2	1.9	23.8	1.9	.914	Slight		
R72-9613	861 -862	76711	13.7	.6	82.7	3.0	36.6	1.4	.900	Slight		
R72-9614	862 -863	76712	16.3	1.0	79.0	3.7	43.2	2.4	.905	Slight		
R72-9615	863 -864	76713	15.8	.5	80.5	3.2	42.1	1.2	.898	Slight		
R72-9616	864 -865	76714	9.7	.5	87.8	2.0	25.8	1.2	.898	None		
R72-9617	865 -866	76715	7.6	.6	89.4	2.4	20.2	1.4	.904	None		
R72-9618	866 -867	76716	6.0	.7	91.4	1.9	15.8	1.7	.911	None		
R72-9619	867 -868	76717	4.1	.9	93.3	1.7	10.7	2.2	.914	None		
R72-9620	868 -869	76718	8.4	.8	88.5	2.3	22.1	1.9	.908	None		
R72-9621	869 -870	76719	6.0	.8	91.4	1.8	15.6	1.9	.915	None		
R72-9622	870 -871	76720	4.9	.7	92.9	1.5	13.0	1.7	.912	None		
R72-9623	871 -872	76721	4.5	.5	93.4	1.6	11.9	1.2	.916	None	Mahogany Marker	
R72-9624	872 -873	76722	4.0	1.8	93.1	1.1	10.5	4.3	.911	None	= 872.2'-872.5'	
R72-9625	873 -874	76723	4.3	.3	94.1	1.3	11.4	.7	.909	None		
R72-9626	874 -875	76724	4.0	.2	95.0	.8	10.5	.6	.900	None		
R72-9627	875 -876	76725	5.4	.2	93.2	1.2	14.3	.5	.899	None		
R72-9628	876 -877	76726	10.3	.5	87.3	1.9	27.0	1.2	.912	None		
R72-9629	877 -878	76727	16.4	.8	79.2	3.6	42.9	1.9	.914	None		

See footnotes at end of table.

Core samples received August 8, 1972; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's No. 1 Southam Corehole (con.)

surface elevation 5,242 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										
BR72-9630	873-879	76728	8.5	0.5	89.0	2.0	22.5	1.2	0.907	None	
BR72-9631	879-880	76729	8.9	.3	88.7	2.1	23.7	.8	.900	None	
BR72-9632	880-881	76730	5.8	.3	91.0	2.9	15.3	.7	.911	None	
BR72-9633	881-882	76731	8.2	.3	88.9	2.6	21.7	.6	.907	None	
BR72-9634	882-883	76732	13.9	.5	82.9	2.7	36.4	1.3	.914	None	
BR72-9635	883-884	76733	12.7	.5	84.1	2.7	33.3	1.1	.917	None	
BR72-9636	884-885	76734	12.8	.6	84.4	2.2	34.0	1.3	.904	None	
BR72-9637	885-886	76735	18.4	.5	77.7	3.4	49.0	1.2	.897	Moderate	
BR72-9638	886-887	76736	22.7	1.2	71.2	4.9	60.2	2.9	.905	Very Heavy	
BR72-9639	887-888	76737	29.8	2.0	62.4	5.8	78.9	4.8	.906	Very Heavy	
BR72-9640	888-889	76738	24.3	1.6	69.7	4.4	64.1	3.8	.907	Very Heavy	
BR72-9641	889-890	76739	17.4	.9	78.4	3.3	46.1	2.0	.906	Moderate	
BR72-9642	890-891	76740	22.5	1.1	72.3	4.1	59.0	2.6	.914	Moderate	
BR72-9643	891-892	76741	12.8	.4	84.5	2.3	33.2	1.0	.921	None	
BR72-9644	892-893	76742	7.6	.3	90.2	1.9	19.8	.7	.919	None	
BR72-9645	893-894	76743	11.4	.4	86.0	2.2	29.7	1.0	.916	None	
BR72-9646	894-895	76744	16.4	.3	80.1	3.2	42.9	.8	.914	None	
BR72-9647	895-896	76745	11.7	.6	85.2	2.5	30.5	1.4	.921	None	
BR72-9648	896-897	76746	7.0	1.0	90.6	1.4	18.2	2.4	.921	None	
BR72-9649	897-898	76747	6.5	.8	91.4	1.3	16.9	1.9	.920	None	
BR72-9650	898-899	76748	7.0	.9	90.5	1.6	18.4	2.2	.919	None	
BR72-9651	899-900	76749	11.8	.7	85.6	3.9	31.0	1.8	.909	None	
BR72-9652	900-901	76750	22.4	.8	73.0	3.8	59.1	2.0	.906	Slight	
BR72-9653	901-902	76751	13.9	.5	82.3	3.3	36.8	1.2	.902	None	
BR72-9654	902-903	76752	19.6	.5	76.2	3.7	51.6	1.2	.912	None	
BR72-9655	903-904	76753	8.5	.6	89.7	1.2	22.9	1.6	.886	None	
BR72-9656	904-905	76754	8.0	.5	89.7	1.8	21.6	1.2	.889	None	
BR72-9657	905-906	76755	16.7	.5	79.9	2.9	44.4	1.2	.900	Slight	
BR72-9658	906-907	76756	8.1	.3	89.7	1.9	21.3	.7	.908	None	
BR72-9659	907-908	76757	7.3	.6	90.4	1.7	19.3	1.3	.909	None	

Core samples received August 8, 1972; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's No. 1 Southam Corehole (con.)

Surface elevation 5,242 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		
Gramic	Their												
R72-9660	908	-909	76758	5.5	0.8	92.6	1.1	14.5	1.9	0.910	None		
R72-9661	909	-910	76759	7.2	.9	90.3	1.6	18.8	2.2	.915	None		
R72-9662	910	-911	76760	14.1	.7	82.4	2.8	37.0	1.6	.917	Moderate		
R72-9663	911	-912	76761	10.9	.5	86.9	1.7	28.5	1.3	.915	Slight		
R72-9664	912	-913	76762	5.1	.7	92.9	1.3	13.3	1.8	.911	None		
R72-9665	913	-914	76763	3.6	1.1	93.3	2.0	9.3	2.6	.921	None		
R72-9666	914	-915	76764	5.0	1.1	92.3	1.6	12.9	2.6	.921	None		
R72-9667	915	-916	76765	4.0	.7	94.1	1.2	10.5	1.7	.914	None		
R72-9668	916	-917	76766	7.5	.5	90.5	1.5	19.8	1.2	.904	None		
R72-9669	917	-918	76767	14.0	.6	83.1	2.3	37.3	1.3	.903	None		
R72-9670	918	-919	76768	12.9	.6	84.5	2.0	34.5	1.3	.898	None		
R72-9671	919	-920	76769	9.7	.6	88.5	1.2	26.0	1.4	.897	None		
R72-9672	920	-921	76770	8.7	.8	89.0	1.5	23.1	1.9	.905	None		
R72-9673	921	-922	76771	10.0	.8	87.6	1.6	26.6	1.8	.901	None		
R72-9674	922.0	-922.6	76772	14.4	.6	82.7	2.3	38.8	1.3	.892	None		
R72-9675	922.6	-923.2	76773	10.5	.4	87.5	1.6	28.1	1.1	.894	None	2/	
R72-9676	923.7	-924.3	76774	8.4	.6	89.5	1.5	22.4	1.4	.899	None		
R72-9677	924.3	-925.0	76775	8.2	.8	88.6	2.4	21.7	1.9	.906	None		
R72-9678	925	-926	76776	5.6	.8	92.5	1.1	14.6	1.9	.913	None		
R72-9679	926	-927	76777	4.8	.5	93.7	1.0	12.5	1.3	.922	None		
R72-9680	927.0	-927.7	76778	3.5	.9	94.0	1.6	9.2	2.0	.924	None	2/	
R72-9681	928.2	-929.0	76779	6.1	.5	91.0	2.4	15.9	1.2	.922	None		
R72-9682	929	-930	76780	8.4	.5	89.5	1.6	21.9	1.3	.921	None		
R72-9683	930	-931	76781	4.1	.2	94.7	1.0	10.9	.4	.914	None		
R72-9684	931.0	-931.6	76782	4.9	.5	93.7	.9	13.0	1.1	.914	None		
R72-9685	931.6	-932.3	76783	3.1	.6	94.8	1.5	8.0	1.3	.930	None	2/	
R72-9686	932.8	-933.4	76784	1.5	.4	97.2	.9	3.9	1.0		None		
R72-9687	933.4	-934.0	76785	2.3	.4	96.3	1.0	6.1	1.0	.921	None		
R72-9688	934	-935	76786	2.4	.4	96.2	1.0	6.3	1.0	.910	None		
R72-9689	935	-936	76787	6.6	.5	91.3	1.6	17.5	1.2	.904	None		

Footnotes at end of table.

Core samples received August 8, 1972; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's No. 1 Southam Corehole (con.)

Surface elevation 5,242 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 1/2	Water				
72-9690	936-937	76788	4.6	0.3	94.0	1.1	12.5	0.6	0.839	None		
72-9691	937-938	76789	2.4	1.9	94.5	1.2	6.4a	4.6		None		
72-9692	938-939	76790	5.9	.3	92.9	.9	15.6	.8	.903	None		
72-9693	939-940	76791	11.6	.6	85.4	2.4	30.2	1.6	.919	None		
72-9694	940-941	76792	3.9	.3	94.4	1.4	10.2	.7	.920	None		
72-9695	941-942	76793	3.1	.4	95.7	.8	8.2	1.0	.903	None		
72-9696	942-943	76794	4.5	.6	93.8	1.1	12.0	1.3	.904	None		
72-9697	943-944	76795	7.3	.2	90.3	2.2	19.2	.6	.911	None		
72-9698	944-945	76796	12.0	.4	85.2	2.4	31.3	1.1	.915	None		
72-9699	945-946	76797	12.1	.3	85.2	2.4	31.6	.6	.920	Slight		
72-9700	946-947	76798	3.0	.4	95.6	1.0	7.9	1.0	.917	None		
72-9701	947-948	76799	2.6	.4	96.0	1.0	6.6	1.1	.924	None		
72-9702	948-949	76800	1.5	.4	97.2	.9	4.0a	1.0		None		
72-9703	949-950	76801	1.6	.6	97.0	.8	4.2a	1.4		None		
72-9704	950-951	76802	1.8	.5	96.9	.8	4.6a	1.2		None		
72-9705	951-952	76803	4.0	.8	94.0	1.2	10.5	1.8	.921	None		
72-9706	952-953	76804	12.1	1.0	84.0	2.9	31.5	2.4	.918	None		
72-9707	953-954	76805	6.2	1.0	91.2	1.6	16.2	2.4	.915	None		
72-9708	954-955	76806	6.2	1.2	91.2	1.4	16.2	2.9	.914	None		
72-9709	955-956	76807	4.7	1.4	92.5	1.4	12.3	3.4	.914	None		
72-9710	956-957	76808	3.1	.4	95.6	.9	8.1	1.0	.926	None		
72-9711	957-958	76809	2.5	.2	96.4	.9	6.4	.5	.927	None		
72-9712	958-959	76810	1.9	.4	97.4	.3	5.0a	.8		None		
72-9713	959-960	76811	1.5	.1	97.7	.7	4.0a	.1		None		
72-9714	960-961	76812	2.8	.4	96.3	.5	7.3	.8	.926	None		
72-9715	961-962	76813	2.3	.6	96.5	.6	6.0	1.3	.931	None		
72-9716	962-963	76814	2.1	.5	96.8	.6	5.4	1.1	.931	None		
72-9717	963-964	76815	2.4	.8	96.1	.7	6.3	1.8	.927	None		
72-9718	964-965	76816	2.5	.6	96.4	.5	6.5	1.4	.925	None		
72-9719	965-966	76817	3.6	.7	94.9	.8	9.3	1.8	.923	None		

Footnotes at end of table.

Core samples received August 8, 1972; Assays made on air-dried samples

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Surface elevation 5,242 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/}	Water				
Laramie	Their											
BR72-9720	966-967	76819	3.7	0.9	94.4	1.0	9.5	2.2	0.923	None		
BR72-9721	967-968	76820	2.4	1.0	95.5	1.1	6.3a	2.4		None		
BR72-9722	968-969	76821	1.6	1.0	96.9	.5	4.3a	2.4		None		
BR72-9723	969-970	76822	1.9	.4	97.2	.5	5.0a	1.0		None		
BR72-9724	970-971	76823	1.6	.5	97.0	.9	4.2a	1.2		None		
BR72-9725	971-972	76824	3.2	1.0	95.5	.3	8.4	2.4	.898	None	Tar Impreg.	
BR72-9726	972-973	76825	1.1	1.2	96.8	.9	2.9a	2.9		None		
BR72-9727	973-974	76826	1.5	1.0	96.6	.9	3.8a	2.4		None		
BR72-9728	974-975	76827	1.5	1.0	96.5	1.0	3.8a	2.4		None		
BR72-9729	975-976	76828	1.6	.8	97.2	.4	4.3a	1.9		None		
BR72-9730	976-977	76829	2.5	.2	96.6	.7	6.5a	.6		None		
BR72-9731	977-978	76830	3.0	.8	95.7	.5	8.1	1.9	.898	None	Tar Impreg.	
BR72-9732	978-979	76831	2.3	1.0	96.0	.7	6.0a	2.4		None		
BR72-9733	979-980	76832	2.0	.9	96.3	.8	5.4a	2.0		None		
BR72-9734	980-981	76833	1.5	.8	97.1	.6	4.0a	1.8		None		
BR72-9735	981-982	76834	1.6	1.0	96.7	.7	4.2a	2.4		None		
BR72-9736	982-983	76835	1.3	1.5	96.5	.7	3.3a	3.6		None		
BR72-9737	983-984	76836	1.9	.4	96.7	1.0	5.0a	1.0		None		
BR72-9738	984-985	76837	2.5	.4	96.0	1.1	6.5a	1.0		None		
BR72-9739	985-986	76838	1.2	.4	97.5	.9	3.1a	.8		None		
BR72-9740	986-987	76839	.5	.6	98.5	.4	1.4a	1.4		None		
BR72-9741	987-988	76840	.5	.7	98.2	.6	1.2a	1.8		None		
BR72-9742	988-989	76841	.5	.5	97.9	1.1	1.2a	1.3		None		
BR72-9743	989-990	76842	.5	.7	97.7	1.1	1.4a	1.7		None		
BR72-9744	990-991	76843	1.0	.9	97.3	.8	2.6a	2.2		None		
BR72-9745	991-992	76844	.6	.6	97.7	1.1	1.6a	1.4		None		
BR72-9746	992-993	76845	.8	.6	96.1	2.5	2.0a	1.6		None		
BR72-9747	993-994	76846	.7	1.0	97.4	.9	1.8a	2.4		None		
BR72-9748	994-995	76847	.7	.7	97.6	1.0	1.8a	1.8		None		
BR72-9749	995-996	76848	.4	.9	97.7	1.0	1.1a	2.0		None		

See footnotes at end of table.

Core samples received August 8, 1972; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's No. 1 Southam Corehole (con.)

surface elevation 5,242 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/	Water				
Laramie	Their											
R72-9750	996- 997	76849	0.7	1.0	97.5	0.8	1.9a	2.3		None		
R72-9751	997- 998	76850	.6	.3	99.0	.1	1.6a	.6		None		
R72-9752	998- 999	76851	2.7	.1	96.4	.8	6.9	.4	0.922	None		
R72-9753	999-1000	76852	2.1	.7	95.9	1.3	5.5	1.6	.918	None		
R72-9754	1000-1001	76853	.9	.6	97.5	1.0	2.3a	1.4		None		
R72-9755	1001-1002	76854	1.8	.6	96.7	.9	4.8a	1.4		None		
R72-9756	1002-1003	76855	5.5	.6	92.3	1.6	14.3	1.4	.919	None		
R72-9757	1003-1004	76856	4.7	.6	93.6	1.1	12.3	1.6	.911	None		
R72-9758	1004-1005	76857	9.9	1.9	85.5	2.7	26.0	4.6	.912	None		
R72-9759	1005-1006	76858	9.1	.8	88.1	2.0	23.8	2.0	.914	None		
R72-9760	1006-1007	76859	3.6	.6	94.1	1.7	9.6	1.3	.911	None		
R72-9761	1007-1008	76860	3.6	.6	94.1	1.7	9.5	1.3	.921	None		
R72-9762	1008-1009	76861	5.8	.8	91.9	1.5	15.4	1.9	.906	None		
R72-9763	1009-1010	76862	14.4	1.2	81.4	3.0	38.2	2.9	.901	None		
R72-9764	1010-1011	76863	9.4	.7	87.5	2.4	25.2	1.8	.893	None		
R72-9765	1011-1012	76864	4.6	1.7	92.3	1.4	12.2	4.1	.896	None		
R72-9766	1012-1013	76865	3.4	.8	95.2	.6	9.2	1.9	.900	None		
R72-9767	1013-1014	76866	4.1	.8	93.9	1.2	11.0	1.8	.900	None		
R72-9768	1014-1015	76867	7.0	.8	90.9	1.3	18.7	1.9	.900	None		
R72-9769	1015-1016	76868	4.5	.3	94.4	.8	11.9	.7	.906	None		
R72-9770	1016-1017	76869	3.0	.4	95.7	.9	7.9	.8	.908	None		
R72-9771	1017-1018	76870	3.5	.4	95.6	.5	9.3	1.1	.899	None		
R72-9772	1018-1019	76871	2.5	.2	97.0	.3	6.4a	.6		None		
R72-9773	1019-1020	76872	2.3	.2	97.0	.5	6.0a	.5		None		
R72-9774	1020-1021	76873	2.0	.2	96.9	.9	5.2a	.6		None		
R72-9775	1021-1022	76874	4.1	.6	94.2	1.1	10.9	1.4	.912	None		
R72-9776	1022-1023	76875	4.9	.5	93.5	1.1	12.9	1.2	.905	None		
R72-9777	1023-1024	76876	3.3	.5	95.4	.8	8.8	1.2	.908	None		
R72-9778	1024-1025	76877	3.2	.4	95.4	1.0	8.3	1.1	.916	None		
R72-9779	1025-1026	76878	5.8	.6	92.2	1.4	15.2	1.4	.918	None		

footnotes at end of table.

Core samples received August 8, 1972; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's No. 1 Southam Corehole (con.)

Surface elevation 5,242 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/	Water				
Laramie	Their											
SR72-9780	1026-1027	76879	6.6	0.6	88.0	4.8	17.3	1.6	0.912	None		
SR72-9781	1027-1028	76880	3.8	.4	95.6	.2	10.0	1.0	.906	None		
SR72-9782	1028-1029	76881	2.5	.9	96.3	.3	6.6	2.2	.908	None		
SR72-9783	1029-1030	76882	6.5	.4	92.7	.4	17.5	1.1	.886	None		
SR72-9784	1030-1031	76883	3.8	.3	95.5	.4	10.3	.7	.896	None		
SR72-9785	1031-1032	76884	3.9	.3	95.0	.8	10.2	.8	.904	None		
SR72-9786	1032-1033	76885	2.4	.6	96.1	.9	6.3	1.4	.919	None		
SR72-9787	1033-1034	76886	4.0	.6	91.4	4.0	10.3	1.6	.916	None		
SR72-9788	1034-1035	76887	5.0	.7	93.6	.5	13.3	1.7	.903	None		
SR72-9789	1035-1036	76888	4.4	1.0	93.8	.8	11.6	2.4	.900	None		
SR72-9790	1036-1037	76889	9.5	1.5	86.0	3.0	25.5	3.6	.891	None		
SR72-9791	1037-1038	76890	3.6	.8	94.5	1.1	9.5	1.9	.906	None		
SR72-9792	1038-1039	76891	2.4	1.5	94.7	1.4	6.3	3.6	.914	None		
SR72-9793	1039-1040	76892	2.9	1.0	94.9	1.2	7.6	2.4	.918	None		
SR72-9794	1040-1041	76893	3.7	1.0	94.1	1.2	9.8	2.4	.913	None		
SR72-9795	1041-1042	76894	15.0	1.0	80.6	3.4	40.1	2.4	.898	Slight		
SR72-9796	1042-1043	76895	10.7	1.4	85.4	2.5	28.5	3.4	.901	Slight		
SR72-9797	1043-1044	76896	8.5	1.0	87.7	2.8	22.6	2.4	.901	None		
SR72-9798	1044-1045	76897	5.0	1.3	91.8	1.9	13.2	3.1	.911	None		
SR72-9799	1045-1046	76898	7.0	1.0	88.4	3.6	18.4	2.4	.907	None		
SR72-9800	1046-1047	76899	12.8	1.0	82.8	3.4	33.7	2.4	.911	None		
SR72-9801	1047-1048	76900	3.0	1.5	94.6	.9	7.8	3.6	.916	None		
SR72-9802	1048-1049	76901	1.5	1.0	96.6	.9	3.9a	2.4		None		
SR72-9803	1049-1050	76902	3.5	.7	94.1	1.7	9.1	1.8	.919	None		
SR72-9804	1050-1051	76903	6.3	1.0	91.5	1.2	16.3	2.4	.919	None		
SR72-9805	1051-1052	76904	8.4	1.3	88.6	1.7	23.2	3.1	.864	None		
SR72-9806	1052-1053	76905	10.3	1.7	85.7	2.3	26.8	4.1	.924	None		
SR72-9807	1053-1054	76906	3.7	2.8	92.7	.8	9.8	6.7	.903	None		
SR72-9808	1054-1055	76907	6.2	1.7	90.8	1.3	16.4	4.1	.911	None		
SR72-9809	1055-1056	76908	4.1	2.7	92.1	1.1	10.7	6.5	.908	None		

See footnotes at end of table.

Core samples received August 8, 1972; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's No. 1 Southam Corehole (con.)

surface elevation 5,242 feet

Surface elevation 5,242 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 ¹ /	Water				
Laramie	Their											
BR72-9810	1056-1057	76909	3.4	2.8	92.7	1.1	9.2	6.7	0.892	None		
BR72-9811	1057-1058	76910	4.2	1.6	92.8	1.4	11.1	3.8	.904	None		
BR72-9812	1058-1059	76911	4.9	1.0	93.0	1.1	12.8	2.4	.913	None		
BR72-9813	1059-1060	76912	8.0	1.4	89.0	1.6	20.8	3.4	.923	None		
BR72-9814	1060-1061	76913	9.5	1.0	87.0	2.5	24.7	2.4	.923	None		
BR72-9815	1061-1062	76914	4.4	.9	93.2	1.5	11.5	2.2	.914	None		
BR72-9816	1062-1063	76915	3.0	1.3	94.4	1.3	8.0	3.1	.909	None		
BR72-9817	1063-1064	76916	1.6	.9	96.1	1.4	4.1a	2.2		None		
BR72-9818	1064-1065	76917	3.2	.5	94.9	1.4	8.3	1.2	.926	None		
BR72-9819	1065-1066	76918	3.9	1.0	94.0	1.1	10.2	2.4	.917	None		
BR72-9820	1066-1067	76919	5.3	1.0	90.5	3.2	13.7	2.4	.930	None		
BR72-9821	1067-1068	76920	8.5	1.1	89.6	.8	22.3	2.6	.913	None		
BR72-9822	1068-1069	76921	5.6	1.5	90.5	2.4	14.8	3.6	.914	None		
BR72-9823	1069-1070	76922	5.5	1.3	91.2	2.0	14.3	3.1	.918	None		
BR72-9824	1070-1071	76923	10.9	1.6	84.7	2.8	28.3	3.8	.920	None		
BR72-9825	1071-1072	76924	4.0	1.6	92.8	1.6	10.6	3.8	.910	None		
BR72-9826	1072-1073	76925	2.2	1.0	96.2	.6	5.7a	2.4		None		
BR72-9827	1073-1074	76926	1.6	1.0	96.6	.8	4.3a	2.4		None		
BR72-9828	1074-1075	76927	.7	1.3	97.3	.7	1.8a	3.1		None		
BR72-9829	1075-1076	76928	.3	2.5	96.7	.5	.9a	6.0		None		
BR72-9830	1076-1077	76929	.5	2.6	96.1	.8	1.4a	6.2		None		
BR72-9831	1077-1078	76930	.7	2.2	96.1	1.0	1.8a	5.3		None		
BR72-9832	1078-1079	76931	.4	2.2	96.1	1.3	.9a	5.3		None		
BR72-9833	1079-1080	76932	.7	2.0	96.1	1.2	1.7a	4.8		None		
BR72-9834	1080-1081	76933	.3	2.4	95.1	2.2	.7a	5.8		None		
BR72-9835	1081-1082	76934	.3	2.3	96.2	1.2	.9a	5.5		None		
BR72-9836	1082-1083	76935	.2	2.5	95.9	1.4	.4a	6.0		None		
BR72-9837	1083-1084	76936	.1	2.9	95.4	1.6	.4a	7.0		None		
BR72-9838	1084-1085	76937	.1	1.9	95.1	2.9	.2a	4.6		None		
BR72-9839	1085-1086	76938	.1	2.9	94.4	2.6	.2a	7.0		None		

¹ footnotes at end of table.

Core samples received August 8, 1972; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's No. 1 Southam Corehole (con.)

Surface elevation 5,242 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 ^{1/}	Water		Tendency to	coke	
72-9840	1086-1087	76939	0.6	2.2	95.8	1.4	1.6a	5.3		None	
72-9841	1087-1088	76940	.9	1.7	96.1	1.3	2.3a	4.1		None	
72-9842	1088-1089	76941	1.8	1.3	95.6	1.3	4.6a	3.1		None	
72-9843	1089-1090	76942	.5	1.3	96.9	1.3	1.4a	3.1		None	
72-9844	1090-1091	76943	.6	1.2	97.3	.9	1.6a	2.9		None	
72-9845	1091-1092	76944	.7	1.0	96.8	1.5	1.7a	2.4		None	
72-9846	1092-1093	76945	.6	1.4	97.1	.9	1.6a	3.4		None	
72-9847	1093-1094	76946	4.1	.9	92.8	2.2	10.6	2.3	0.928	None	
72-9848	1094-1095	76947	6.3	1.7	89.8	2.2	16.3	4.1	.922	None	
72-9849	1095-1096	76948	13.6	2.0	81.5	2.9	35.5	4.8	.914	None	
72-9850	1096-1097	76949	7.7	2.3	89.0	1.0	20.0	5.5	.925	None	
72-9851	1097-1098	76950	3.9	1.7	93.5	.9	10.0	4.1	.925	None	
72-9852	1098-1099	76951	2.5	1.8	94.6	1.1	6.5	4.3	.922	None	
72-9853	1099-1100	76952	2.6	1.3	95.2	.9	6.8	3.1	.926	None	
72-9854	1100-1101	76953	.9	.9	97.5	.7	2.2a	2.2		None	
72-9855	1101-1102	76954	5.6	2.0	91.2	1.2	14.7	4.8	.918	None	
72-9856	1102-1103	76955	6.6	3.5	88.4	1.5	17.3	8.4	.915	None	
72-9857	1103-1104	76956	11.6	4.4	81.8	2.2	30.6	10.5	.913	None	
72-9858	1104-1105	76961	11.9	2.0	83.5	2.6	30.5	4.8	.932	None	
72-9859	1105-1106	76962	4.5	1.2	93.1	1.2	11.5	2.9	.925	None	(Tar impreg.)
72-9860	1106-1107	76963	1.2	.5	97.5	.8	3.3a	1.2		None	
72-9861	1107-1108	76964	3.0	.9	95.2	.9	7.7	2.2	.919	None	
72-9862	1108-1109	76965	10.8	2.0	84.0	3.2	28.1	4.8	.923	None	
72-9863	1109-1110	76966	13.6	1.6	82.3	2.5	35.3	3.8	.925	None	
72-9864	1110-1111	77046	10.8	2.1	84.8	2.3	28.7	5.0	.905	None	
72-9865	1111-1112	76968	5.1	1.8	90.6	2.5	13.3	4.3	.924	None	
72-9866	1112-1113	76969	2.6	1.0	94.5	1.9	6.7	2.5	.918	None	
72-9867	1113-1114	76970	1.3	.8	96.9	1.0	3.5a	1.8		None	
72-9868	1114-1115	76971	1.6	.7	96.8	.9	4.2a	1.7		None	
72-9869	1115-1116	76972	2.9	1.3	95.2	.6	7.8	3.1	.886	None	

Footnotes at end of table.

Core samples received August 8, 1972; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's No. 1 Southam Corehole (con.)

Surface elevation 5,242 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 ^{1/}	Water				
Laramie	Their												
72-9870	1116	-1117	76973	3.0	2.2	93.5	1.3	8.0	5.3	0.904	None		
72-9871	1117	-1118	76974	2.0	2.0	94.9	1.1	5.2a	4.8		None		
72-9872	1118	-1119	76975	1.4	1.9	96.2	.5	3.5a	4.6		None		
72-9873	1119	-1120	76976	1.4	2.4	95.4	.8	3.8a	5.8		None		
72-9874	1120.0	-1121.2	76977	1.8	2.4	94.1	1.7	4.7a	5.8		None		
72-9875	1121.5	-1122.2	76978	2.0	2.5	94.2	1.3	5.1a	6.0		None		
72-9876	1122.2	-1123.0	76979	1.8	2.4	94.6	1.2	4.8a	5.8		None		
72-9877	1123	-1124	76980	1.9	2.0	94.7	1.4	5.0a	4.8		None		
72-9878	1124	-1125	76981	1.5	2.5	94.4	1.6	4.0a	6.0		None		
72-9879	1125	-1126	76982	1.9	1.6	95.4	1.1	4.8a	3.8		None		
72-9880	1126	-1127	76983	.8	2.2	96.6	.4	2.2a	5.3		None		
72-9881	1127	-1128	76984	1.7	2.7	95.1	.5	4.3a	6.5		None		
72-9882	1128	-1129	76985	1.8	2.3	94.9	1.0	4.6a	5.5		None		
72-9883	1129	-1130	76986	2.2	1.0	95.9	.9	5.8	2.4	.928	None		
72-9884	1130	-1131	76987	1.4	1.0	97.1	.5	3.6a	2.4		None		
72-9885	1131	-1132	76988	1.2	1.5	96.4	.9	3.2a	3.6		None		
72-9886	1132	-1133	76989	.8	1.4	97.3	.5	2.2a	3.2		None		
72-9887	1133	-1134	76990	1.8	1.2	96.3	.7	4.8a	2.9		None		
72-9888	1134	-1135	76991	1.9	2.0	95.2	.9	5.0a	4.8		None		
72-9889	1135	-1136	76992	1.7	1.8	95.6	.9	4.4a	4.3		None		
72-9890	1136	-1137	76993	1.6	2.5	95.1	.8	4.1a	6.0		None		
72-9891	1137	-1138	76994	1.0	1.6	95.9	1.5	2.5a	3.8		None		
72-9892	1138	-1139	76995	1.3	1.9	95.6	1.2	3.4a	4.6		None		
72-9893	1139.0	-1139.7	76996	1.7	2.6	94.7	1.0	4.5a	6.2		None		

^{1/}"a"--indicates specific gravity estimated as 0.92.^{2/} Missing footage removed for physical property testing.

Core samples received August 8, 1972; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's No. 1 Southam Corehole (con.)

Surface elevation 5,242 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	Cal per ton				
			Oil	Water			Oil/	Water			
Laramie	Ther										
Physical Property Test Samples											
SER72-10721	830.0-830.5	77828	5.6	0.6	92.7	1.1	14.5	1.4	0.920	None	
SER72-10723	835.5-836.0	77830	8.7	.6	89.0	1.7	23.0	1.4	.907	Slight	
SER72-10725	841.2-841.7	77832	1.0	.7	97.2	1.1	2.6a	1.7		None	
SER72-10727	844.4-844.9	77834	2.4	.4	96.6	.6	6.2	1.0	.922	None	
SER72-10729	850.5-851.0	77836	8.1	.6	89.9	1.4	21.6	1.4	.902	None	
SER72-10731	854.7-855.2	77838	5.9	.5	92.5	1.1	15.5	1.2	.907	None	
SER72-10733	859.5-860.0	77840	10.5	.6	86.4	2.5	27.6	1.3	.913	None	
SER72-10736	923.2-923.7	77843	8.4	.4	89.7	1.5	22.4	1.0	.899	None	
SER72-10738	927.7-928.2	77845	3.7	.7	94.5	1.1	9.7	1.7	.920	None	
SER72-10739	932.3-932.8	77846	3.6	.4	94.8	1.2	9.2	1.1	.920	None	

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

Test samples received November 15, 1972; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources #2 Southam Corehole (con.)

Surface elevation 5,432 feet

Sample number			Run No.	Yield of product				Gal per ton		Specific gravity of oil at 60°/60° F	Properties of spent shale Tendency to coke	Remarks
				Weight percent		Spent shale	Gas + loss					
Interval	Thick			Oil	Water					Oil ^{1/}	Water	
SR72-10014	945	-946	77119	1.7	0.5	97.0	0.8	4.5a	1.1		None	
SR72-10015	946	-947	77120	2.2	.6	95.9	1.3	5.6	1.6	0.938	None	
SR72-10016	947	-948	77121	3.0	.8	95.3	.9	7.7	1.8	.931	None	
SR72-10017	948	-949	77122	1.2	.6	97.5	.7	3.0a	1.6		None	
SR72-10018	949	-950	77123	3.1	.6	95.2	1.1	7.9	1.4	.931	None	
SR72-10019	950	-951	77124	3.1	1.0	94.8	1.1	8.0	2.4	.925	None	
SR72-10020	951	-952	77125	1.5	.8	96.7	1.0	4.0a	1.3		None	
SR72-10021	952	-953	77126	1.3	.8	97.3	.6	3.3a	1.9		None	
SR72-10022	953	-954	77127	1.5	.6	97.3	.6	3.9a	1.4		None	
SR72-10023	954	-955	77129	2.0	1.0	96.0	1.0	5.2a	2.5		None	
SR72-10024	955	-956	77130	1.3	1.5	96.3	.9	3.4a	3.6		None	
SR72-10025	956	-957	77141	1.7	1.2	96.6	.5	4.4a	2.9		None	
SR72-10026	957	-958	77131	2.0	1.0	96.3	.7	5.3	2.4	.920	None	
SR72-10027	958.0-958.8		77132	2.4	.3	96.3	1.0	6.4	.6	.914	None	

Physical Property Test Samples

SR72-10720	827.7-828.3	77827	5.9	0.7	92.1	1.3	15.3	1.7	0.920	None	
SR72-10722	833.5-834.1	77829	13.2	1.0	83.5	2.3	34.7	2.4	.911	None	
SR72-10724	837.5-838.1	77831	1.0	.3	97.7	1.0	2.6a	.7		None	
SR72-10726	842.2-842.9	77833	1.1	.7	97.1	1.1	3.0a	1.7		None	
SR72-10728	847.9-848.5	77835	4.3	.7	94.2	.8	11.3	1.7	.910	None	
SR72-10730	851.7-852.4	77837	5.3	.4	93.0	1.3	13.9	1.1	.909	None	
SR72-10732	857.4-858.0	77839	11.3	.7	86.1	1.9	30.1	1.7	.901	None	
SR72-10734	913.5-914.2	77841	7.1	.8	90.8	1.3	18.7	1.8	.912	None	
SR72-10735	919.3-919.0	77842	4.1	.4	94.3	1.2	10.7	1.0	.919	None	
SR72-10737	923.6-924.3	77844	8.2	.2	90.2	1.4	22.0	.4	.894	None	

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

2/ Missing footage removed for physical property testing. Assay results given above.

Core samples received September 13, 1972; Assays made on air-dried samples

OIL SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's No. 3 Southam Corehole (con.)

Surface elevation 5,334 feet

Sample number		Run No.	Yield of product				Gal per ton		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 ^{1/}	Water			
SBR72-11742	1003.5-1004.2	78413	5.4	0.4	92.5	1.7	14.1	1.0	0.920	None	
SBR72-11743	1009.1-1009.8	78414	3.8	.2	95.0	1.0	9.8	.5	.920	None	
SBR72-11744	1014.2-1014.8	78415	.9	.6	97.4	1.1	2.4a	1.4		None	
SBR72-11745	1018.4-1019.0	78416	5.2	.6	92.3	1.9	13.7	1.4	.909	None	
SBR72-11746	1024.3-1025.0	78417	9.3	.8	88.8	1.1	24.5	1.9	.909	None	
SBR72-11747	1028.8-1029.5	78418	13.7	.6	83.1	2.6	36.5	1.4	.899	Slight	
SBR72-11748	1033.8-1034.5	78419	6.8	.3	90.7	2.2	18.0	.7	.912	None	
SBR72-11749	1043.7-1044.4	78420	12.5	.8	82.9	3.7	33.1	1.9	.913	Slight	
SBR72-11750	1054.0-1054.7	78421	15.3	.8	81.1	2.8	40.6	1.9	.905	Slight	
SBR72-11751	1065.7-1066.4	78422	13.7	.4	83.5	2.4	36.6	1.0	.896	Slight	
SBR72-11752	1073.6-1074.2	78423	7.1	.7	90.9	1.3	18.8	1.6	.912	None	
SBR72-11753	1083.5-1084.1	78424	10.9	.6	86.8	1.7	29.0	1.3	.901	None	
SBR72-11754	1091.6-1092.3	78425	7.0	.3	90.7	2.0	18.3	.6	.923	Slight	
SBR72-11755	1096.9-1097.6	78426	5.0	.3	94.0	.7	13.2	.7	.898	None	
SBR72-11756	1102.3-1103.0	78427	3.6	.4	95.1	.9	9.4	1.0	.912	None	

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

Core samples received October 9, 1972; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Mineral Resources Company's No. 4 Southam Corehole (con.)

Surface elevation 5,061 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
Laramie	Their			Oil	Water					Oil	Water	Tendency to color
SBR72-10318	1030	-1031	77439	5.9	0.5	92.6	1.0	15.4	1.2	0.916	None	
SBR72-10319	1031	-1032	77440	8.1	1.5	89.5	.9	21.2	3.6	.913	None	
SBR72-10320	1032	-1033	77441	6.5	1.6	91.4	.5	17.1	3.8	.912	None	
SBR72-10321	1033	-1034	77442	6.0	.7	92.3	1.0	15.7	1.8	.913	None	
SBR72-10322	1034	-1035	77443	5.8	.7	92.2	1.3	15.3	1.7	.913	None	
SBR72-10323	1035	-1036	77444	3.0	.2	96.3	.5	8.0	.4	.916	None	
SBR72-10324	1036.0	-1036.9	77445	2.4	.0	96.8	.8	6.3	.1	.918	None	

Physical Property Test Samples

SBR72-11727	911.0-	911.7	78398	5.8	.5	92.5	1.2	15.1	1.2	.911	None
SBR72-11728	915.3-	915.9	78399	2.4	.8	96.2	.6	6.4	1.9	.918	None
SBR72-11729	920.7-	921.3	78400	2.1	.3	96.9	.7	5.4	.7	.924	None
SBR72-11730	926.3-	927.0	78401	7.2	.5	90.7	1.6	19.1	1.2	.903	None
SBR72-11731	931.0-	931.7	78402	6.3	.5	91.9	1.3	16.7	1.2	.906	None
SBR72-11732	936.9-	937.6	78403	9.5	.8	87.6	2.1	24.9	1.8	.915	None
SBR72-11733	940.0-	940.6	78404	12.4	.4	85.2	2.0	33.4	1.0	.890	None
SBR72-11734	950.9-	951.6	78405	3.5	.3	95.5	.7	9.3	.7	.899	None
SBR72-11735	959.7-	960.4	78406	12.6	.5	84.7	2.2	33.6	1.2	.902	None
SBR72-11736	971.3-	971.9	78407	17.8	.6	78.7	2.9	46.4	1.6	.918	None
SBR72-11737	980.7-	981.4	78408	7.4	.3	91.1	1.2	19.9	.8	.889	None
SBR72-11738	990.9-	991.5	78409	4.2	.5	94.1	1.2	11.1	1.2	.909	None
SBR72-11739	1005.7-	1006.4	78410	3.5	.7	94.6	1.2	9.2	1.8	.917	None
SBR72-11740	1007.7-	1008.4	78411	8.4	.3	89.5	1.8	21.8	.8	.919	Slight
SBR72-11741	1014.5-	1015.3	78412	6.0	.4	92.1	1.5	16.1	1.0	.889	None

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

2/ Missing footage removed for physical property testing. Assay results given above.

Core samples received October 20, 1972; Assays made on air-dried samples