

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Wells Draw Unit well No. 3 drilled in
C SE1/4 of sec. 16, T. 10 S., R. 16 E., Duchesne County, Utah

Derrick Floor elevation 6,475 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										
SBR63-8979-9004	520- 780						No Oil				
SBR63-9005-06	780- 800						Trace				
SBR63-9007-22	800- 960						No Oil				
SBR63-9023	960- 970						b				
SBR63-9024	970- 980						c				
SBR63-9025-32	980-1060						No Oil				
SBR63-9033	1060-1070	88860	1.4	1.2	96.6	0.8	3.6a	2.9		None	
SBR63-9034	1070-1080	88861	.4	1.1	97.7	.8	1.1a	2.6		None	
SBR63-9035	1080-1090						No Oil				
SBR63-9036	1090-1100						c				
SBR63-9037-38	1100-1120						No Oil				
SBR63-9039	1120-1130	88862	.8	2.2	95.9	1.1	2.0a	5.3		None	
SBR63-9040	1130-1140	88863	1.5	1.5	95.9	1.1	3.9a	3.6		None	
SBR63-9041	1140-1150	88864	1.5	1.6	96.1	.8	3.9a	3.8		None	
SBR63-9042	1150-1160	88865	.8	1.7	96.5	1.0	2.2a	4.1		None	
SBR63-9043	1160-1170	88866	1.2	1.5	96.4	.9	3.0a	3.6		None	
SBR63-9044	1170-1180	88867	1.0	1.3	97.0	.7	2.6a	3.1		None	
SBR63-9045	1180-1190	88868	1.0	2.5	95.8	.7	2.6a	6.0		None	
SBR63-9046	1190-1200	88869	1.6	1.3	96.5	.6	4.1a	3.1		None	
SBR63-9047	1200-1210	88870	2.2	1.5	95.4	.9	5.7	3.6	0.912	None	
SBR63-9048	1210-1220	88871	1.7	2.2	95.1	1.0	4.5a	5.3		None	
SBR63-9049	1220-1230	88872	.8	2.0	96.5	.7	2.1a	4.8		None	
SBR63-9050	1230-1240	88873	1.6	1.3	96.5	.6	4.1a	3.1		None	
SBR63-9051	1240-1250	88874	1.2	1.3	96.7	.8	3.0a	3.1		None	
SBR63-9052	1250-1260	88875	2.0	1.7	95.3	1.0	5.2a	4.1		None	
SBR63-9053	1260-1270	88876	1.4	1.5	96.1	1.0	3.7a	3.6		None	
SBR63-9054	1270-1280	88877	1.0	2.0	96.0	1.0	2.6a	4.8		None	
SBR63-9055-61	1280-1350						c				
SBR63-9062	1350-1360	88878	.6	1.8	96.5	1.1	1.5a	4.4		None	
SBR63-9063	1360-1370	88879	1.6	2.1	95.2	1.1	4.2a	5.0		None	

See footnotes at end of table.

Drill cutting samples received May 7, 1963; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Wells Draw Unit well No. 3 (con.)

Derrick Floor elevation 6,475 feet

			Yield of product						Specific gravity of oil at 60°/60°F.	Properties of	Remarks
Sample number		Run No.	Weight percent		Spent shale	Gas + loss	Gal. per ton			spent shale	
Laramie	Their		Oil	Water			Oil ^{1/}	Water		Tendency to coke	
SBR63-9064	1370-1380	88880	1.5	2.6	94.9	1.0	4.0a	6.2		None	
SBR63-9065-75	1380-1490						c				
SBR63-9076	1490-1500	88881	.5	2.1	96.1	1.3	1.2a	5.0		None	
SBR63-9077	1500-1510	88882	.6	2.4	96.5	.5	1.4a	5.8		None	
SBR63-9078	1510-1520	88883	.6	2.0	96.6	.8	1.7a	4.8		None	
SBR63-9079-82	1520-1560						c				
SBR63-9083-84	1570-1590						c				
SBR63-9085	1590-1600	88884	.6	3.0	95.9	.5	1.6a	7.2		None	
SBR63-9086	1600-1610	88893	5.8	1.9	90.5	1.8	15.3	4.6	0.915	None	
SBR63-9087	1610-1620	88885	5.4	1.7	90.7	2.2	13.9	4.1	.921	None	
SBR63-9088	1620-1630	88886	.7	1.4	97.5	.4	1.8a	3.4		None	
SBR63-9089	1630-1640	88887	.8	1.5	97.3	.4	2.1a	3.6		None	
SBR63-9090	1640-1650	88888	1.6	1.7	95.6	1.1	4.3a	4.1		None	
SBR63-9091	1650-1660	88889	1.4	2.7	95.2	.7	3.7a	6.5		None	
SBR63-9092-93	1670-1690						c				
SBR63-9094	1690-1700	88890	1.1	2.2	96.3	.4	2.8a	5.3		None	
SBR63-9095	1700-1710	88891	1.1	2.4	95.8	.7	2.9a	5.8		None	
SBR63-9096	1710-1720	88892	1.1	2.5	96.0	.4	2.9a	6.0		None	
SBR63-9097-9101	1720-1770						c				
SBR63-9102	1770-1780	88894	.8	2.3	95.3	1.6	2.2a	5.5		None	
SBR63-9103	1780-1790	88895	1.2	2.2	96.1	.5	3.2a	5.3		None	
SBR63-9104	1790-1800	88896	1.1	2.1	96.2	.6	2.8a	5.0		None	
SBR63-9105	1800-1810	88897	.7	2.4	96.1	.8	1.9a	5.8		None	
SBR63-9106	1810-1820	88898	.8	2.4	95.6	1.2	2.2a	5.8		None	
SBR63-9107	1820-1830	88899	.8	1.9	96.5	.8	2.2a	4.6		None	
SBR63-9108	1830-1840		,				c				
SBR63-9109	1840-1850	88900	.6	1.7	97.0	.7	1.6a	4.1		None	
SBR63-9110	1850-1860	88901	1.8	2.1	95.2	.9	4.7a	5.0		None	
SBR63-9111	1860-1870	88902	1.6	2.1	95.6	.7	4.0a	5.0		None	
SBR63-9112	1870-1880	88903	1.6	2.6	94.8	1.0	4.1a	6.2		None	

See footnotes at end of table.

Drill cutting samples received May 7, 1963; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Wells Draw Unit well No. 3 (con.)

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Derrick Floor elevation 6,475 feet

Derrick Floor elevation 6,475 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											
SBR63-9113	1880-1890	88904	1.9	2.6	94.7	0.8	5.0a	6.2	0.908	None		
SBR63-9114	1890-1900	88905	2.6	3.8	92.7	.9	6.8	9.1		None		
SBR63-9115	1900-1910	88906	2.7	3.0	93.3	1.0	7.0	7.2		None		
SBR63-9116	1910-1920	88907	1.8	2.7	94.8	.7	4.7a	6.5		None		
SBR63-9117	1920-1930	88908	1.7	3.2	94.0	1.1	4.5a	7.7		None		
SBR63-9118	1930-1940	88909	2.0	3.8	93.4	.8	5.2a	9.1	.915	None		
SBR63-9119	1940-1950	88910	5.7	2.1	91.0	1.2	14.9	5.0		None		
SBR63-9120	1950-1960	88911	1.3	4.0	93.9	.8	3.3a	9.6		None		
SBR63-9121	1960-1970	88912	2.6	2.4	93.9	1.1	7.0	5.8		None		
SBR63-9122	1970-1980	88913	1.8	2.4	95.1	.7	4.7a	5.8		None		
SBR63-9123	1980-1990	88914	2.1	2.7	93.8	1.4	5.5a	6.5	.914	None		
SBR63-9124	1990-2000	88915	1.9	2.8	94.2	1.1	5.0a	6.7		None		
SBR63-9125	2000-2010	88916	1.9	2.8	94.7	.6	5.0a	6.7		None		
SBR63-9126	2010-2020	88917	1.8	1.9	95.2	1.1	4.6a	4.6		None		
SBR63-9127	2020-2030	88918	2.1	2.1	94.7	1.1	5.5a	5.1		None		
SBR63-9128	2030-2040	88919	1.1	1.8	96.4	.7	2.8a	4.3		None		
SBR63-9129	2040-2050	88920	1.4	2.7	95.2	.7	3.6a	6.5		None		
SBR63-9130	2050-2060	88921	2.0	1.8	95.1	1.1	5.1a	4.3		None		
SBR63-9131	2060-2070	88922	1.9	2.7	94.9	.5	4.9a	6.5		None		
SBR63-9132	2070-2080	88923	1.4	2.5	95.8	.3	3.5a	6.0		None		
SBR63-9133	2080-2090	88924	.9	1.9	95.9	1.3	2.3a	4.6		None		
SBR63-9134	2090-2100	88925	1.1	2.8	95.2	.9	3.0a	6.7		None		
SBR63-9135	2100-2110	88926	.8	2.0	96.5	.7	2.2a	4.8		None		
SBR63-9136	2110-2120	88927	.9	1.8	96.7	.6	2.4a	4.3		None		
SBR63-9137	2120-2130	88928	.9	2.1	96.7	.3	2.3a	5.0		None		
SBR63-9138-43	2130-2190						c					
SBR63-9144	2190-2200	88929	1.2	1.2	96.7	.9	3.1a	2.9	.919	None		
SBR63-9145	2200-2210	88930	2.1	1.4	95.7	.8	5.5	3.4		None	Coal	
SBR63-9146	2210-2220	88931	4.9	1.3	92.5	1.3	12.7	3.1		None	Coal	
SBR63-9147	2220-2230	88932	1.5	1.7	96.0	.8	3.9a	4.1		None	Coal	

See footnotes at end of table.

Drill cutting samples received May 7, 1963; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Wells Draw Unit well No. 3 (con.)

Derrick Floor elevation 6,475 feet

			Yield of product					Specific gravity		Properties of	
Sample number		Run	Weight percent		Spent	Gas +	Gal. per ton		of oil at	spent shale	
Laramie	Their	No.	Oil	Water	shale	loss	Oil	Water	60°/60°F.	Tendency to	Remarks
										coke	
SBR63-9148	2230-2240	88933	5.7	0.9	91.7	1.7	15.1	2.0	0.911	None	Coal
SBR63-9149	2240-2250	88934	10.7	.5	86.5	2.3	28.1	1.2	0.910	None	Coal
SBR63-9150	2250-2260	88935	6.4	.6	91.3	1.7	16.9	1.4	0.905	None	Coal
SBR63-9151	2260-2270	88936	3.4	1.1	94.3	1.2	8.8	2.6	0.909	None	Coal
SBR63-9152	2270-2280	88937	4.4	.9	93.5	1.2	11.7	2.0	0.902	None	Coal
SBR63-9153	2280-2290	88938	2.5	1.2	95.6	.7	6.5	2.9	0.905	None	Coal
SBR63-9154	2290-2300	88939	3.0	1.3	94.9	.8	8.1	3.1	0.904	None	Coal
SBR63-9155	2300-2310	88940	1.9	1.2	96.3	.6	5.0	2.9	0.905	None	
SBR63-9156	2310-2320	88941	1.8	1.5	96.0	.7	4.8a	3.6		None	
SBR63-9157-58	2320-2340						Trace				
SBR63-9159	2340-2350	88942	.7	1.7	96.9	.7	1.8a	4.1		None	
SBR63-9160	2350-2360	88943	1.0	1.7	96.3	1.0	2.6a	4.1		None	
SBR63-9161	2360-2370	88944	1.4	1.7	96.1	.8	3.8a	4.1		None	
SBR63-9162	2370-2380	88945	3.6	1.5	94.0	.9	9.6	3.6	.892	None	
SBR63-9163	2380-2390	88946	2.9	1.2	94.6	1.3	7.7	2.9	.898	None	
SBR63-9164	2390-2400	88947	2.2	1.8	95.2	.8	5.9	4.3	.892	None	
SBR63-9165	2400-2410	88948	2.8	1.5	94.5	1.2	7.4	3.6	.895	None	
SBR63-9166	2410-2420	88949	3.6	1.4	93.6	1.4	9.6	3.4	.901	None	
SBR63-9167	2420-2430	88950	3.8	1.2	93.9	1.1	9.9	2.9	.912	None	
SBR63-9168	2430-2440	88951	2.0	1.6	95.7	.7	5.2a	3.8		None	
SBR63-9169	2440-2450	88952	.8	1.6	96.9	.7	2.2a	3.8		None	
SBR63-9170	2450-2460	88953	.8	.9	97.6	.7	2.1a	2.2		None	
SBR63-9171	2460-2470	88954	.5	1.7	97.0	.8	1.4a	4.1		None	
SBR63-9172	2470-2480	88955	.4	1.4	97.3	.9	1.0a	3.4		None	
SBR63-9173-78	2480-2540						c				
SBR63-9179	2540-2550	88956	.9	1.2	97.2	.7	2.3a	2.9		None	
SBR63-9180	2550-2560	88957	1.6	1.2	96.2	1.0	4.3a	2.9		None	
SBR63-9181	2560-2570	88958	1.4	1.5	96.3	.8	3.7a	3.6		None	
SBR63-9182	2570-2580	88959	1.4	1.6	96.4	.6	3.6a	3.8		None	
SBR63-9183	2580-2590	88960	1.0	1.4	96.6	1.0	2.7a	3.4		None	

See footnotes at end of table.

Drill cutting samples received May 7, 1963; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Wells Draw Unit well No. 3 (con.)

Derrick Floor elevation 6,475 feet

			Yield of product						Specific gravity of oil at 60°/60°F.	Properties of	
			Weight percent			Gal. per ton				spent shale	
Sample number		Run	Oil	Water	Spent shale	Gas + loss	Oil ^{1/}	Water		Tendency to	coke
Laramie	Their	No.									
SBR63-9184	2590-2600	88961	1.3	1.9	96.0	0.8	3.5a	4.6		None	
SBR63-9185	2600-2610	88962	1.2	1.7	96.2	.9	3.2a	4.1		None	
SBR63-9186	2610-2620	88963	1.2	1.7	96.3	.8	3.3a	4.1		None	
SBR63-9187	2620-2630	88964	1.0	2.0	96.2	.8	2.7a	4.8		None	
SBR63-9188	2630-2640	88965	1.2	1.8	96.6	.4	3.1a	4.3		None	
SBR63-9189	2640-2650	88966	1.2	2.1	96.5	.2	3.2a	5.0		None	
SBR63-9190	2650-2660	88967	1.0	2.1	96.5	.4	2.6a	5.0		None	
SBR63-9191	2660-2670	88968	.5	2.1	97.1	.3	1.2a	5.0		None	
SBR63-9192	2670-2680	88969	.6	2.0	96.8	.6	1.5a	4.8		None	
SBR63-9193	2680-2690	88970	.9	1.2	97.1	.8	2.3a	2.9		None	
SBR63-9194	2690-2700	88971	.8	1.4	97.1	.7	2.1a	3.4		None	
SBR63-9195	2700-2710	88972	.6	2.0	96.8	.6	1.6a	4.8		None	
SBR63-9196	2710-2720	88973	.6	1.9	96.8	.7	1.6a	4.6		None	
SBR63-9197-9200	2720-2760						c				
SBR63-9201	2760-2770	88974	.8	1.8	96.9	.5	2.0a	4.3		None	
SBR63-9202	2770-2780	88975	1.3	1.6	96.4	.7	3.3a	3.8		None	
SBR63-9203	2780-2790	88976	1.0	1.3	97.5	.2	2.6a	3.1		None	
SBR63-9204-13	2790-2890						c				
SBR63-9214	2890-2900						Trace				
SBR63-9215	2900-2910						b				
SBR63-9216-23	2910-2990						c				
SBR63-9224	2990-3000	88977	1.0	1.8	97.0	.2	2.7a	4.3		None	
SBR63-9225	3000-3010	88978	1.0	2.0	96.7	.3	2.5a	4.8		None	
SBR63-9226	3010-3020	88979	1.5	1.4	96.7	.4	3.8a	3.4		None	
SBR63-9227	3020-3030						b				
SBR63-9228	3030-3040						Trace				
SBR63-9229-30	3040-3060						b				
SBR63-9231-33	3060-3090						c				Trace of coal
SBR63-9234	3090-3100	88980	.8	1.3	97.4	.5	2.2a	3.1		None	Trace of coal
SBR63-9235	3100-3110	88981	.8	1.3	97.7	.2	2.2a	3.1		None	

See footnotes at end of table.

Drill cutting samples received May 7, 1963; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Wells Draw Unit well No. 3 (con.)

Derrick Floor elevation 6,475 feet

Derrick Floor elevation 6,475 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 ^{1/}	Water	
SBR63-9236	3110-3120	88982	0.7	1.1	98.0	0.2	1.8a	2.6		None	
SBR63-9237	3120-3130						Trace				
SBR63-9238-39	3130-3150						No Oil				
SBR63-9240	3150-3160						Trace				
SBR63-9241	3160-3170						b				
SBR63-9242-44	3170-3200						c				
SBR63-9245	3200-3210						b				
SBR63-9246-47	3210-3230						c				
SBR63-9248-49	3230-3250						No Oil				
SBR63-9250	3250-3260	88983	.5	1.5	97.7	.3	1.2a	3.6		None	
SBR63-9251	3260-3270	88984	.6	1.6	97.3	.5	1.5a	3.8		None	
SBR63-9252-53	3270-3290						c				
SBR63-9254	3290-3300	88985	.4	1.9	97.6	.1	1.2a	4.6		None	
SBR63-9255	3300-3310	88986	.7	1.6	97.3	.4	1.7a	3.8		None	
SBR63-9256	3310-3320	88987	.6	1.6	97.4	.4	1.6a	3.8		None	
SBR63-9257	3320-3330						c				
SBR63-9258-59	3330-3350						No Oil				
SBR63-9260-61	3350-3370						b				
SBR63-9262-64	3370-3400						c				
SBR63-9265	3400-3410						b				
SBR63-9266-78	3410-3540						c				
SBR63-9279	3540-3550						Trace				
SBR63-9280-83	3550-3590						c				
SBR63-9284	3590-3600	88988	.5	2.1	97.1	.3	1.3a	5.0		None	
SBR63-9285	3600-3610	88989	.6	1.5	96.5	1.4	1.6a	3.6		None	
SBR63-9286	3610-3620	88990	.6	1.6	96.9	.9	1.5a	3.8		None	
SBR63-9287	3620-3630	88991	.2	1.4	97.5	.9	.6a	3.4		None	
SBR63-9288	3630-3640						c				
SBR63-9289	3640-3650						Trace				
SBR63-9290	3650-3660	88992	1.0	1.7	96.9	.4	2.5a	4.1		None	

See footnotes at end of table.

Drill cutting samples received May 7, 1963; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Wells Draw Unit well No. 3 (con.)

Derrick Floor elevation 6,475 feet

Derrick Floor elevation 6,475 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 ^{1/}	Water
SBR63-9291	3660-3670	88993	0.4	1.5	97.0	1.1	1.1a	3.6		None
SBR63-9292-9334	3670-4100						c			
SBR63-9335	4100-4110						d			
SBR63-9336-37	4110-4130						c			
SBR63-9338	4130-4140						b			
SBR63-9339	4140-4150						Trace			
SBR63-9340-43	4150-4190						c			
SBR63-9344	4190-4200	88994	.6	1.6	97.2	.6	1.6a	3.8		None
SBR63-9345	4200-4210	88995	.8	1.8	97.0	.4	2.0a	4.3		None
SBR63-9346	4210-4220	88996	.8	1.5	96.3	1.4	2.1a	3.6		None
SBR63-9347-50	4220-4260						Trace			
SBR63-9351-53	4260-4290						c			
SBR63-9354	4290-4300	88997	.8	1.6	97.3	.3	2.0a	3.8		None
SBR63-9355	4300-4310	88998	.6	1.6	97.2	.6	1.7a	3.8		None
SBR63-9356	4310-4320						c			
SBR63-9357-58	4320-4340						No Oil			
SBR63-9359	4340-4350						b			
SBR63-9360	4350-4360	88999	.8	2.0	96.4	.8	2.1a	4.8		None
SBR63-9361-64	4360-4400						c			
SBR63-9365-66	4400-4420						No Oil			
SBR63-9367	4420-4430						b			
SBR63-9368	4430-4440	89000	.7	2.5	96.1	.7	1.9a	6.0		None
SBR63-9369	4440-4450	89001	2.2	1.4	95.3	1.1	5.7	3.4	0.905	None
SBR63-9370	4450-4460	89002	2.2	1.9	95.2	.7	5.9	4.6	.884	None
SBR63-9371	4460-4470	89003	1.7	1.8	95.8	.7	4.5a	4.3		None
SBR63-9372	4470-4480	89004	1.8	1.7	95.6	.9	4.6a	4.1		None
SBR63-9373	4480-4490	89005	1.3	1.7	96.3	.7	3.5a	4.1		None
SBR63-9374	4490-4500	89006	1.2	1.6	96.4	.8	3.1a	3.8		None
SBR63-9375	4500-4510	89007	1.4	1.5	96.1	1.0	3.6a	3.6		None
SBR63-9376	4510-4520	89008	.9	2.3	96.3	.5	2.3a	5.5		None

See footnotes at end of table.

Drill cutting samples received May 7, 1963; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Wells Draw Unit well No. 3 (con.)

Derrick Floor elevation 6,475 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										
SBR63-9377-80	4520-4560						c				
SBR63-9381-82	4560-4580						No Oil				
SBR63-9383-87	4580-4630						c				
SBR63-9388	4630-4640	89009	0.1	1.7	97.4	0.8	0.2a	4.2		None	
SBR63-9389	4640-4650	89010	1.5	1.9	95.7	.9	3.8a	4.6		None	
SBR63-9390	4650-4660	89011	1.7	1.6	95.8	.9	4.5a	3.8		None	
SBR63-9391-92	4660-4680						c				
SBR63-9393	4680-4690						Trace				
SBR63-9394-97	4690-4730						c				
SBR63-9398	4730-4740	89012	1.8	2.0	95.2	1.0	4.8a	4.8		None	
SBR63-9399	4740-4750	89013	4.2	1.9	92.8	1.1	11.2	4.7	0.890	None	
SBR63-9400	4750-4760	89014	1.2	2.4	96.1	.3	3.2a	5.6		None	
SBR63-9401-02	4760-4780						c				
SBR63-9403	4780-4790	89015	1.0	1.6	96.7	.7	2.7a	3.8		None	
SBR63-9404	4790-4800	89016	.9	2.4	96.3	.4	2.4a	5.8		None	
SBR63-9405	4800-4810	89017	.8	2.5	96.0	.7	2.0a	6.0		None	
SBR63-9406	4810-4820						Trace				
SBR63-9407-13	4820-4890						c				
SBR63-9414-16	4890-4920						No Oil				
SBR63-9417	4920-4930						b				
SBR63-9418-19	4930-4950						c				
SBR63-9420-28	4950-5040						No Oil				
SBR63-9429	5040-5050						Trace				
SBR63-9430	5050-5060						c				
SBR63-9431-32	5060-5080						No Oil				
SBR63-9433	5080-5090						b				
SBR63-9434	5090-5100						No Oil				
SBR63-9435	5100-5110						Trace				
SBR63-9436-37	5110-5130						b				
SBR63-9438-40	5130-5160						No Oil				

See footnotes at end of table.

Drill cutting samples received May 7, 1963; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Wells Draw Unit well No. 3 (con.)

Derrick Floor elevation 6,475 feet

Derrick floor elevation 6,475 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 ^{1/}	Water	
SBR63-9441	5160-5170						Trace				
SBR63-9442	5170-5180						b				
SBR63-9443-44	5180-5200						c				
SBR63-9445-46	5200-5220						No Oil				
SBR63-9447	5220-5230	89018	0.7	2.1	96.8	0.4	1.8a	5.0	0.880	None	
SBR63-9448	5230-5240	89019	2.5	2.3	95.0	.2	6.8	5.4		None	
SBR63-9449	5240-5250	89020	1.4	2.0	96.2	.4	3.6a	4.8		None	
SBR63-9450	5250-5260	89021	1.4	1.6	96.3	.7	3.5a	4.0		None	
SBR63-9451	5260-5270	89022	1.2	1.3	96.9	.6	3.1a	3.2		None	
SBR63-9452	5270-5280	89023	1.0	1.8	96.8	.4	2.6a	4.3		None	
SBR63-9453	5280-5290	89024	.9	1.9	96.3	.9	2.4a	4.6		None	
SBR63-9454	5290-5300						Trace				
SBR63-9455-56	5300-5320						c				
SBR63-9457	5320-5330						Trace				
SBR63-9458-59	5330-5350						c				
SBR63-9460	5350-5360	89025	.4	1.6	97.2	.8	1.2a	3.8		None	
SBR63-9461	5360-5370	89026	1.2	1.8	96.2	.8	3.3a	4.3		None	
SBR63-9462	5370-5380	89027	1.2	1.7	96.3	.8	3.2a	4.1		None	
SBR63-9463-66	5380-5420						c				
SBR63-9467	5420-5430						Trace				
SBR63-9468	5430-5440						b				
SBR63-9469	5440-5450						c				
SBR63-9470	5450-5460						b				
SBR63-9471	5460-5470						c				
SBR63-9472	5470-5480						No Oil				
SBR63-9473	5480-5490						Trace				
SBR63-9474	5490-5500						c				

^{1/} "a" indicates specific gravity estimated as 0.92. Oil yields were estimated by a rapid test-tube method: "No oil", "Trace", "b"--less than 1 gal oil/ton, "c"--1 to 3 gal oil/ton, "d"--3+ gal oil/ton but sample insufficient for assay.

Drill cutting samples received May 7, 1963; assays made on air-dried samples