

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

90 of 1489

Samples from Mountain Fuel Supply Company's Island Unit, Well No. 8 drilled in
NE1/4NE1/4SW1/4 (2310 feet N/S 2314 feet E/W) of sec 11, T 10 S, R 17 E, Uintah County, Utah

Surface elevation 5,550 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						
			Oil	Water			Oil ^{1/}	Water				
Laramie	Their											
SBR65-5393	360- 370						c					
SBR65-5394-5404	370- 480						No oil					
SBR65-5405-06	480- 500						Trace					
SBR65-5407-09	500- 530						No oil					
SBR65-5410	530- 540						Trace					
SBR65-5411-47	540- 910						No oil					
SBR65-5448-50	910- 940						c					
SBR65-5451	940- 950						b					
SBR65-5452-53	950- 970						c					
SBR65-5454	970- 980	6046	0.7	1.2	97.7	0.4	1.9a	2.9		None		
SBR65-5455	980- 990	6047	1.8	2.0	95.3	.9	4.6a	4.8		None		
SBR65-5456	990-1000	6048	1.8	2.0	95.8	.4	4.8a	4.8		None		
SBR65-5457	1000-1010	6049	1.5	1.5	96.2	.8	3.8a	3.6		None		
SBR65-5458	1010-1020	6050	1.6	1.4	96.2	.8	4.2a	3.4		None		
SBR65-5459	1020-1030	6051	1.6	1.5	96.4	.5	4.1a	3.6		None		
SBR65-5460	1030-1040	6052	1.4	1.5	96.1	1.0	3.7a	3.6		None		
SBR65-5461	1040-1050	6053	1.3	1.6	96.6	.5	3.4a	3.8		None		
SBR65-5462	1050-1060	6054	1.5	1.5	96.3	.7	4.0a	3.6		None		
SBR65-5463	1060-1070	6055	1.5	1.4	96.2	.9	3.9a	3.4		None		
SBR65-5464	1070-1080	6056	1.4	1.7	96.1	.8	3.8a	4.1		None		
SBR65-5465	1080-1090	6057	1.5	1.7	96.2	.6	4.0a	4.1		None		
SBR65-5466	1090-1100	6058	1.6	1.7	95.9	.8	4.2a	4.1		None		
SBR65-5467	1100-1110	6059	1.5	1.7	96.2	.6	3.9a	4.1		None		
SBR65-5468-69	1110-1130						c					
SBR65-5470	1130-1140						b					
SBR65-5471	1140-1150	6060	.7	1.8	96.0	1.5	1.8a	4.3		None		
SBR65-5472	1150-1160	6061	1.3	1.5	96.9	.3	3.3a	3.6		None		
SBR65-5473	1160-1170	6062	1.6	2.0	95.9	.5	4.2a	4.8		None		
SBR65-5474	1170-1180	6063	2.2	2.0	95.0	.8	5.9	4.8	0.898	None		
SBR65-5475	1180-1190	6064	2.2	2.0	95.1	.7	5.8	4.8	.906	None		

See footnotes at end of table.

Drill cutting samples received November 5, 1964; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Island Unit Well No. 8 (Con.)

Surface elevation 5,550 feet

Laramie		Run No.	Yield of product				Specific gravity of oil at 60°/60°F	Properties of spent shale		Remarks	
			Weight percent		Spent shale	Gas + loss		Gal per ton			Tendency to coke
Laramie	Their		Oil	Water				Oil ^{1/}	Water		
SBR65-5476	1190-1200	6065	2.1	2.1	95.1	0.7	5.7	5.0	0.898	None	
SBR65-5477	1200-1210	6066	2.7	2.0	94.5	.8	7.2	4.8	.904	None	
SBR65-5478	1210-1220	6067	1.9	2.1	94.6	1.4	5.0a	5.0		None	
SBR65-5479	1220-1230	6068	1.7	2.0	95.4	.9	4.4a	4.8		None	
SBR65-5480	1230-1240	6069	1.6	1.8	96.0	.6	4.3a	4.3		None	
SBR65-5481	1240-1250	6070	1.6	1.6	95.9	.9	4.2a	3.8		None	
SBR65-5482	1250-1260	6071	1.5	1.7	96.0	.8	3.9a	4.1		None	
SBR65-5483	1260-1270	6072	1.5	1.6	96.6	.3	3.9a	3.8		None	
SBR65-5484	1270-1280	6073	1.6	1.5	96.2	.7	4.0a	3.6		None	
SBR65-5485	1280-1290	6074	1.4	1.5	96.3	.8	3.7a	3.6		None	
SBR65-5486	1290-1300	6075	1.8	1.7	95.6	.9	4.6a	4.1		None	
SBR65-5487	1300-1310	6076	1.6	1.9	95.7	.8	4.1a	4.6		None	
SBR65-5488	1310-1320	6077	1.0	1.8	96.2	1.0	2.6a	4.3		None	
SBR65-5489	1320-1330	6078	2.0	1.5	95.9	.6	5.1a	3.6		None	
SBR65-5490	1330-1340	6079	1.5	1.0	86.0	11.5	4.0a	2.4		None	
SBR65-5491	1340-1350	6080	1.9	1.7	95.9	.5	4.8a	4.1		None	
SBR65-5492	1350-1360	6081	2.0	1.7	95.5	.8	5.1a	4.1		None	
SBR65-5493	1360-1370	6082	1.8	1.6	95.5	1.1	4.8a	3.8		None	
SBR65-5494	1370-1380	6083	1.8	1.7	95.7	.8	4.6a	4.1		None	
SBR65-5495	1380-1390	6084	1.8	1.8	95.5	.9	4.7a	4.3		None	
SBR65-5496	1390-1400	6085	1.5	1.8	95.4	1.3	3.8a	4.3		None	
SBR65-5497	1400-1410	6086	1.4	1.7	95.7	1.2	3.6a	4.1		None	
SBR65-5498	1410-1420	6087	1.4	1.7	95.8	1.1	3.7a	4.1		None	
SBR65-5499	1420-1430	6088	1.3	1.7	95.9	1.1	3.4a	4.1		None	
SBR65-5500	1430-1440	6091	1.4	1.7	96.3	.6	3.6a	4.1		None	
SBR65-5501	1440-1450	6092	1.5	1.8	96.1	.6	3.9a	4.3		None	
SBR65-5502	1450-1460	6093	1.5	1.5	96.3	.7	3.9a	3.6		None	
SBR65-5503	1460-1470	6094	1.4	1.6	96.6	.4	3.8a	3.8		None	
SBR65-5504	1470-1480	6095	1.5	1.5	96.3	.7	3.9a	3.6		None	
SBR65-5505	1480-1490	6096	1.7	1.8	96.3	.2	4.3a	4.3		None	

See footnotes at end of table.

Drill cutting samples received November 5, 1964; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Island Unit Well No. 8 (Con.)

Surface elevation 5,550 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			
SBR65-5506	1490-1500	6097	1.7	2.1	95.6	0.6	4.3a	5.0	0.874	None	
SBR65-5507	1500-1510	6098	2.4	1.7	94.2	1.7	6.5	4.1		None	
SBR65-5508	1510-1520	6099	2.5	1.6	95.1	.8	6.9	3.8		None	
SBR65-5509	1520-1530	6100	3.0	1.8	94.3	.9	8.2	4.3	.877	None	
SBR65-5510	1530-1540	6101	2.5	1.7	94.6	1.2	6.7	4.1	.879	None	
SBR65-5511	1540-1550	6102	2.7	1.7	94.9	.7	7.4	4.1	.885	None	
SBR65-5512	1550-1560	6109	2.7	1.7	95.3	.3	7.4	4.1	.885	None	
SBR65-5513	1560-1570	6110	2.5	1.7	95.5	.3	6.8	4.1	.884	None	
SBR65-5514	1570-1580	6111	2.5	1.6	95.5	.4	6.8	3.8	.883	None	
SBR65-5515	1580-1590	6112	2.2	1.6	95.9	.3	6.1	3.8	.882	None	
SBR65-5516	1590-1600	6113	.7	1.2	97.7	.4	1.9a	2.9	.878	None	
SBR65-5517	1600-1610	6114	1.7	1.5	96.7	.1	4.4a	3.6		None	
SBR65-5518	1610-1620	6115	1.8	1.7	96.4	.1	4.7a	4.1		None	
SBR65-5519	1620-1630	6116	1.9	1.6	96.3	.2	5.0a	3.8		None	
SBR65-5520	1630-1640	6117	2.1	1.8	95.7	.4	5.6	4.3		None	
SBR65-5521	1640-1650	6118	1.4	1.7	96.7	.2	3.5a	4.1		None	
SBR65-5522	1650-1660	6119	1.6	1.6	96.6	.2	4.2a	3.8		None	
SBR65-5523	1660-1670	6120	1.4	1.7	96.6	.3	3.7a	4.1		None	
SBR65-5524	1670-1680	6121	1.6	1.7	96.4	.3	4.0a	4.1		None	
SBR65-5525	1680-1690	6122	1.5	1.8	96.3	.4	4.0a	4.3		None	
SBR65-5526	1690-1700	6123	2.0	1.7	95.8	.5	5.1a	4.1		None	
SBR65-5527	1700-1710	6124	1.7	1.7	96.0	.6	4.5a	4.1		None	
SBR65-5528	1710-1720	6125	1.7	1.6	96.3	.4	4.4a	3.8		None	
SBR65-5529	1720-1730	6126	1.7	1.8	96.1	.4	4.5a	4.3		None	
SBR65-5530	1730-1740	6127	1.9	1.5	95.7	.9	5.0a	3.6		None	
SBR65-5531	1740-1750	6128	1.8	1.8	95.8	.6	4.7a	4.3		None	
SBR65-5532	1750-1760	6129	2.0	1.8	95.6	.6	5.1a	4.3		None	
SBR65-5533	1760-1770	6130	1.5	1.8	96.4	.3	4.0a	4.3		None	
SBR65-5534	1770-1780	6131	1.8	1.7	95.9	.6	4.8a	4.1		None	
SBR65-5535	1780-1790	6132	1.9	1.8	96.2	.1	5.0a	4.3		None	

See footnotes at end of table.

Drill cutting samples received November 5, 1964; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Island Unit Well No. 8 (Con.)

Surface elevation 5,550 feet

Sample number		Run No.	Yield of product						Specific gravity of oil at 60°/60°F	Properties of spent shale		Remarks
			Weight percent		Spent shale	Gas + loss	Gal per ton			Tendency to coke		
Laramie	Their		Oil	Water					Oil ¹ / _{Water}			
SBR65-5536	1790-1800	6133	1.4	1.8	96.5	0.3	3.7a	4.3		None		
SBR65-5537	1800-1810	6134	1.9	1.5	96.0	.6	5.0a	3.6		None		
SBR65-5538	1810-1820	6135	1.9	1.4	96.2	.5	5.0a	3.4		None		
SBR65-5539	1820-1830	6136	2.7	1.1	95.6	.6	7.2	2.6	0.909	None		
SBR65-5540	1830-1840	6137	3.4	1.3	94.5	.8	8.9	3.1	.911	None		
SBR65-5541	1840-1850	6138	3.8	.8	94.4	1.0	9.9	2.0	.921	None		
SBR65-5542	1850-1860	6139	4.1	.9	93.9	1.1	10.8	2.2	.915	None		
SBR65-5543	1860-1870	6140	4.8	1.2	93.1	.9	12.5	2.9	.910	None		
SBR65-5544	1870-1880	6141	4.6	1.1	93.1	1.2	12.0	2.6	.911	None		
SBR65-5545	1880-1890	6142	3.4	1.7	93.8	1.1	9.1	4.1	.905	None		
SBR65-5546	1890-1900	6143	3.5	1.4	94.0	1.1	9.3	3.4	.907	None		
SBR65-5547	1900-1910	6144	3.7	1.4	94.0	.9	9.7	3.4	.910	None		
SBR65-5548	1910-1920	6145	3.6	1.6	93.9	.9	9.6	3.8	.908	None		
SBR65-5549	1920-1930	6146	3.3	1.2	94.4	1.1	8.6	2.9	.917	None		
SBR65-5550	1930-1940	6147	3.7	1.3	94.3	.7	9.6	3.1	.913	None		
SBR65-5551	1940-1950	6148	1.2	2.4	96.1	.3	3.0a	5.8		None		
SBR65-5552	1950-1960	6149	.6	2.0	96.6	.8	1.5a	4.8		None		
SBR65-5553	1960-1970	6150	2.8	2.3	94.1	.8	7.4	5.5	.902	None		
SBR65-5554	1970-1980	6151	3.2	1.8	94.2	.8	8.6	4.3	.910	None		
SBR65-5555	1980-1990	6152	3.4	1.8	94.0	.8	8.9	4.3	.919	None		
SBR65-5556	1990-2000	6153	3.4	1.7	94.0	.9	8.9	4.1	.921	None		
SBR65-5557	2000-2010	6154	3.1	1.8	94.6	.5	8.1	4.3	.919	None		
SBR65-5558	2010-2020	6155	3.1	1.9	94.1	.9	8.1	4.6	.916	None		
SBR65-5559	2020-2030	6156	2.8	1.6	94.8	.8	7.4	3.8	.918	None		
SBR65-5560	2030-2040	6157	2.0	1.5	95.9	.6	5.1a	3.6		None		
SBR65-5561	2040-2050	6158	2.4	1.3	95.5	.8	6.4	3.1	.907	None		
SBR65-5562	2050-2060	6159	1.4	1.2	96.6	.8	3.6a	2.9		None		
SBR65-5563	2060-2070	6160	.6	1.7	96.9	.8	1.6a	4.1		None		
SBR65-5564	2070-2080	6161	1.8	1.4	96.2	.6	4.6a	3.4		None		
SBR65-5565	2080-2090	6162	1.1	1.8	96.3	.8	2.8a	4.3		None		

See footnotes at end of table.

Drill cutting samples received November 5, 1964; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Island Unit Well No. 8 (Con.)

Surface elevation 5,550 feet

Sample number		Run No.	Yield of product					Specific gravity of oil at 60°/60°F	Properties of spent shale		Remarks
			Weight percent		Spent shale	Gas + loss	Gal per ton		Tendency to coke		
Laramie	Their		Oil	Water						Oil ^{1/}	Water
SBR65-5566	2090-2100	6163	5.6	1.0	91.4	2.0	14.6	2.4	0.918	None	
SBR65-5567	2100-2110	6164	5.3	1.2	92.5	1.0	13.9	2.9	.907	None	
SBR65-5568	2110-2120	6165	5.7	1.1	91.9	1.3	14.9	2.6	.908	None	
SBR65-5569	2120-2130	6166	5.6	1.2	92.0	1.2	14.7	2.9	.908	None	
SBR65-5570	2130-2140	6167	6.0	1.1	91.5	1.4	15.7	2.6	.908	None	
SBR65-5571	2140-2150	6168	6.5	1.1	91.2	1.2	17.0	2.6	.908	None	
SBR65-5572	2150-2160	6169	4.9	1.1	93.0	1.0	13.0	2.6	.906	None	
SBR65-5573	2160-2170	6170	4.3	1.2	93.7	.8	11.4	2.9	.905	None	
SBR65-5574	2170-2180	6171	6.9	1.0	90.5	1.6	18.2	2.4	.903	None	
SBR65-5575	2180-2190	6172	3.8	1.2	94.2	.8	10.0	2.9	.906	None	
SBR65-5576	2190-2200	6173	2.2	1.0	95.8	1.0	5.9	2.4	.913	None	
SBR65-5577	2200-2210	6174	1.7	1.1	96.7	.5	4.3a	2.6		None	
SBR65-5578	2210-2220	6175	.8	1.3	97.2	.7	2.2a	3.1		None	
SBR65-5579	2220-2230	6176	1.0	1.5	97.1	.4	2.6a	3.6		None	
SBR65-5580-82	2230-2260						c				
SBR65-5583	2260-2270						b				
SBR65-5584	2270-2280						Trace				
SBR65-5585	2280-2290	6177	.5	.9	98.2	.4	1.4a	2.0		None	
SBR65-5586	2290-2300	6178	2.3	1.5	95.1	1.1	6.0a	3.6		None	
SBR65-5587	2300-2310	6179	2.3	1.1	96.0	.6	6.0	2.6	.901	None	
SBR65-5588	2310-2320	6180	3.6	1.3	94.4	.7	9.5	3.1	.902	None	
SBR65-5589	2320-2330	6181	3.1	1.1	95.2	.6	8.1	2.6	.901	None	
SBR65-5590	2330-2340	6182	4.3	.8	94.0	.9	11.4	2.0	.904	None	
SBR65-5591	2340-2350	6183	2.9	.9	95.6	.6	7.8	2.0	.901	None	
SBR65-5592	2350-2360	6184	3.1	.9	95.3	.7	8.2	2.2	.903	None	
SBR65-5593	2360-2370	6185	1.6	.6	96.9	.9	4.3a	1.3		None	
SBR65-5594	2370-2380	6186	1.2	.6	97.9	.3	3.1a	1.4		None	
SBR65-5595-96	2380-2400						b				
SBR65-5597	2400-2410	6187	.7	.9	98.0	.4	1.9a	2.2		None	
SBR65-5598	2410-2420	6188	.8	.6	98.2	.4	2.0a	1.4		None	

See footnotes at end of table.

Drill cutting samples received November 5, 1964; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Island Unit Well No. 8 (Con.)

Surface elevation 5,550 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}		
SBR65-5599	2420-2430	6189	0.8	1.0	97.3	0.9	2.0a	2.4		None	
SBR65-5600-01	2430-2450						c				
SBR65-5602	2450-2460						b				
SBR65-5603	2460-2470	6190	1.0	2.0	95.9	1.1	2.5a	4.8		None	
SBR65-5604	2470-2480	6191	1.2	1.6	96.1	1.1	3.2a	3.8		None	
SBR65-5605-06	2480-2500						c				
SBR65-5607	2500-2510	6192	1.0	2.0	95.5	1.5	2.6a	4.8		None	
SBR65-5608	2510-2520	6193	1.4	1.5	96.4	.7	3.6a	3.6		None	
SBR65-5609-18	2520-2620						c				
SBR65-5619	2620-2630						b				
SBR65-5620	2630-2640						Trace				
SBR65-5621	2640-2650	6194	1.2	.8	97.3	.7	3.2a	1.9		None	
SBR65-5622	2650-2660	6195	1.5	1.4	96.5	.6	3.9a	3.4		None	
SBR65-5623	2660-2670	6196	1.6	1.2	96.4	.8	4.3a	2.9		None	
SBR65-5624	2670-2680	6197	.3	1.9	97.0	.8	.8a	4.6		None	
SBR65-5625	2680-2690						c				
SBR65-5626	2690-2700						Trace				
SBR65-5627-28	2700-2720						No oil				
SBR65-5629	2720-2730						c				
SBR65-5630-31	2730-2750						b				
SBR65-5632	2750-2760						c				
SBR65-5633	2760-2770						No oil				
SBR65-5634	2770-2780						Trace				
SBR65-5635-36	2780-2800						b				
SBR65-5637-38	2800-2820						Trace				
SBR65-5639	2820-2830						b				
SBR65-5640	2830-2840						c				
SBR65-5641	2840-2850						b				
SBR65-5642	2850-2860						c				
SBR65-5643-44	2860-2880						No oil				

See footnotes at end of table.

Drill cutting samples received November 5, 1964; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Island Unit Well No. 8 (Con.)

Surface elevation 5,550 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											
SBR65-5645	2880-2890	6198	1.1	1.5	96.5	0.9	2.9a	3.6	0.895	None		
SBR65-5646	2890-2900	6199	1.0	1.8	95.3	1.9	2.7a	4.3		None		
SBR65-5647	2900-2910	6200	2.2	1.5	95.5	.8	5.9	3.6		None		
SBR65-5648	2910-2920	6201	1.8	1.5	96.0	.7	4.7a	3.6		None		
SBR65-5649	2920-2930	6202	1.6	1.6	96.2	.6	4.1a	3.8		None		
SBR65-5650	2930-2940	6203	1.6	1.5	96.4	.5	4.1a	3.6		None		
SBR65-5651	2940-2950	6204	.5	1.7	97.5	.3	1.3a	4.1		None		
SBR65-5652	2950-2960	6205	.6	1.6	97.4	.4	1.6a	3.8		None		
SBR65-5653	2960-2970	6206	.8	1.7	97.1	.4	2.1a	4.1		None		
SBR65-5654	2970-2980	6207	.8	1.4	97.5	.3	2.0a	3.4		None		
SBR65-5655	2980-2990	6208	.7	1.4	97.7	.2	1.8a	3.4		None		
SBR65-5656	2990-3000	6209	.7	1.0	98.2	.1	1.8a	2.4		None		
SBR65-5657	3000-3010	6210	.3	.7	98.8	.2	.8a	1.7		None		
SBR65-5658	3010-3020						c					
SBR65-5659	3020-3030						Trace					
SBR65-5660-61	3030-3050						No oil					
SBR65-5662	3050-3060	6212	.7	1.3	97.5	.5	1.8a	3.1		None		
SBR65-5663	3060-3070	6213	.5	1.4	97.5	.6	1.4a	3.4		None		
SBR65-5664	3070-3080	6214	.7	1.4	97.2	.7	1.8a	3.4		None		
SBR65-5665	3080-3090	6215	.7	1.0	97.4	.9	1.8a	2.4		None		
SBR65-5666	3090-3100	6216	1.0	1.5	97.0	.5	2.5a	3.6		None		
SBR65-5667	3100-3110	6217	.3	1.4	97.6	.7	.8a	3.4		None		
SBR65-5668	3110-3120	6218	.7	1.5	97.1	.7	1.8a	3.6		None		
SBR65-5669	3120-3130						b					
SBR65-5670	3130-3140						Trace					
SBR65-5671	3140-3150						No oil					
SBR65-5672	3150-3160						b					
SBR65-5673	3160-3170						Trace					
SBR65-5674-75	3170-3190						c					
SBR65-5676	3190-3200	6219	.6	1.2	97.4	.8	1.5a	2.9		None		

See footnotes at end of table. ,

Drill cutting samples received November 5, 1964; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Island Unit Well No. 8 (Con.)

Surface elevation 5,550 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			
SBR65-5677	3200-3210	6220	0.5	1.4	97.6	0.5	1.2a	3.4	None	
SBR65-5678	3210-3220	6221	.4	1.3	97.2	1.1	1.1a	3.1	None	
SBR65-5679-80	3220-3240						c			
SBR65-5681	3240-3250	6222	.6	1.9	97.0	.5	1.5a	4.6	None	
SBR65-5682	3250-3260	6223	.6	1.8	97.1	.5	1.5a	4.3	None	
SBR65-5683	3260-3270						Trace			
SBR65-5684-85	3270-3290						c			
SBR65-5686	3290-3300	6224	.5	1.7	97.5	.3	1.4a	4.1	None	
SBR65-5687	3300-3310	6225	1.0	1.8	96.5	.7	2.5a	4.3	None	
SBR65-5688	3310-3320	6226	.8	1.9	96.5	.8	2.1a	4.6	None	
SBR65-5689	3320-3330	6227	.9	1.8	96.7	.6	2.3a	4.3	None	
SBR65-5690	3330-3340	6228	.7	1.8	96.4	1.1	1.8a	4.3	None	
SBR65-5691	3340-3350	6229	.7	1.8	96.6	.9	1.9a	4.3	None	
SBR65-5692	3350-3360	6230	.8	2.1	96.3	.8	2.1a	5.0	None	
SBR65-5693	3360-3370	6231	.2	1.9	97.2	.7	.6a	4.6	None	
SBR65-5694	3370-3380						c			
SBR65-5695	3380-3390						b			
SBR65-5696	3390-3400						No oil			
SBR65-5697	3400-3410						Trace			
SBR65-5698	3410-3420						b			
SBR65-5699	3420-3430						No oil			
SBR65-5700-02	3430-3460						Trace			
SBR65-5703-04	3460-3480						No oil			
SBR65-5705	3480-3490						Trace			
SBR65-5706-10	3490-3540						c			
SBR65-5711	3540-3550						b			
SBR65-5712-14	3550-3580						c			
SBR65-5715-16	3580-3600						b			
SBR65-5717-25	3600-3690						c			
SBR65-5726	3690-3700	6232	.8	1.9	96.5	.8	2.2a	4.6	None	

See footnotes at end of table.

Drill cutting samples received November 5, 1964; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Island Unit Well No. 8 (Con.)

Surface elevation 5,550 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
SBR65-5727	3700-3710	6233	1.0	1.9	96.2	0.9	2.5a	4.6	None	
SBR65-5728	3710-3720	6234	1.0	1.9	96.1	1.0	2.6a	4.6	None	
SBR65-5729	3720-3730	6235	1.2	1.6	96.5	.7	3.2a	3.8	None	
SBR65-5730	3730-3740	6236	1.3	1.5	96.7	.5	3.5a	3.6	None	
SBR65-5731	3740-3750	6237	1.5	1.3	96.6	.6	4.0a	3.1	None	
SBR65-5732	3750-3760	6238	1.3	1.3	96.8	.6	3.5a	3.1	None	
SBR65-5733	3760-3770	6239	1.4	1.3	96.6	.7	3.7a	3.1	None	
SBR65-5734	3770-3780	6240	1.8	1.7	96.2	.3	4.6a	4.1	None	
SBR65-5735	3780-3790	6241	1.4	1.3	96.8	.5	3.6a	3.1	None	
SBR65-5736	3790-3800						c			
SBR65-5737	3800-3810						Trace			
SBR65-5738	3810-3820						b			
SBR65-5739-57	3820-4010						c			
SBR65-5758	4010-4020	6242	.9	1.5	97.1	.5	2.4a	3.6	None	
SBR65-5759	4020-4030	6243	1.4	1.7	96.1	.8	3.8a	4.1	None	
SBR65-5760	4030-4040	6244	1.2	1.8	96.4	.6	3.3a	4.3	None	
SBR65-5761	4040-4050	6245	1.1	1.7	96.5	.7	2.9a	4.1	None	
SBR65-5762	4050-4060	6246	1.2	1.8	96.4	.6	3.2a	4.3	None	
SBR65-5763	4060-4070	6274	.9	2.0	96.5	.6	2.4a	4.8	None	
SBR65-5764	4070-4080	6275	.6	1.9	96.8	.7	1.5a	4.6	None	
SBR65-5765	4080-4090	6276	.9	2.1	96.4	.6	2.3a	5.2	None	
SBR65-5766	4090-4100	6277	.7	1.8	97.4	.1	1.8a	4.3	None	
SBR65-5767	4100-4110	6278	.7	2.0	97.0	.3	1.8a	4.8	None	
SBR65-5768	4110-4120	6279	.6	1.4	97.5	.5	1.5a	3.4	None	
SBR65-5769	4120-4130	6280	.8	1.5	97.2	.5	2.0a	3.6	None	
SBR65-5770	4130-4140						c			
SBR65-5771-74	4140-4180						b			
SBR65-5775	4180-4190	6281	.6	1.4	97.7	.3	1.5a	3.4	None	
SBR65-5776	4190-4200	6282	.7	1.2	97.6	.5	1.7a	2.9	None	
SBR65-5777	4200-4210	6283	1.6	2.0	95.1	1.3	4.2a	4.8	None	

See footnotes at end of table.

Drill cutting samples received November 5, 1964; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Island Unit Well No. 8 (Con.)

Surface elevation 5,550 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	
SBR65-5778	4210-4220	6284	1.4	2.0	96.3	0.3	3.6a	4.8		None	
SBR65-5779	4220-4230	6285	1.3	1.9	96.0	.8	3.3a	4.6		None	
SBR65-5780	4230-4240	6318	1.0	2.2	94.9	1.9	2.6a	5.2		None	
SBR65-5781	4240-4250	6287	1.6	2.0	95.8	.6	4.1a	4.8		None	
SBR65-5782	4250-4260	6288	1.4	2.1	96.1	.4	3.6a	5.0		None	
SBR65-5783	4260-4270	6289	1.2	1.9	96.6	.3	3.2a	4.6		None	
SBR65-5784	4270-4280	6290	1.1	1.9	96.9	.1	2.8a	4.6		None	
SBR65-5785	4280-4290	6291	1.0	1.4	96.9	.7	2.5a	3.4		None	
SBR65-5786	4290-4300	6292	1.2	1.7	96.9	.2	3.0a	4.1		None	
SBR65-5787	4300-4310	6293	1.2	1.8	96.5	.5	3.0a	4.3		None	
SBR65-5788	4310-4320	6294	1.0	2.0	96.2	.8	2.5a	4.8		None	
SBR65-5789-90	4320-4340						c				
SBR65-5791	4340-4350	6295	1.0	1.8	96.3	.9	2.7a	4.3		None	
SBR65-5792	4350-4360	6298	1.0	2.0	96.5	.5	2.5a	4.8		None	
SBR65-5793	4360-4370						No oil				
SBR65-5794	4370-4380						b				
SBR65-5795	4380-4390						No oil				
SBR65-5796	4390-4400						c				
SBR65-5797-98	4400-4420						b				
SBR65-5799-5800	4420-4440						c				
SBR65-5801	4440-4450	6299	.9	1.9	96.7	.5	2.4a	4.6		None	
SBR65-5802	4450-4460	6300	.8	2.0	96.8	.4	2.1a	4.8		None	
SBR65-5803	4460-4470	6301	.8	1.8	96.5	.9	2.0a	4.3		None	
SBR65-5804	4470-4480	6302	1.2	2.0	96.0	.8	3.3a	4.8		None	
SBR65-5805	4480-4490	6303	1.5	2.0	95.5	1.0	3.9a	4.8		None	
SBR65-5806-08	4490-4520						c				
SBR65-5809	4520-4530						b				
SBR65-5810-11	4530-4550						c				
SBR65-5812	4550-4560						b				
SBR65-5813	4560-4570						Trace				

See footnotes at end of table.

Drill cutting samples received November 5, 1964; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Island Unit Well No. 8 (Con.)

Surface elevation 5,550 feet

Sample number			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 \pm loss	Oil ^{1/}	Water				
Laramie	Their	Run No.										
SBR65-5814	4570-4580	6304	0.6	2.0	96.4	1.0	1.6a	4.8		None		
SBR65-5815	4580-4590	6305	1.2	2.0	95.5	1.3	3.2a	4.8		None		
SBR65-5816	4590-4600	6306	1.2	2.0	96.0	.8	3.0a	4.8		None		
SBR65-5817	4600-4610	6307	.5	2.1	96.0	1.4	1.2a	5.0		None		
SBR65-5818	4610-4620						Trace					
SBR65-5819	4620-4630						c					
SBR65-5820	4630-4640	6308	.9	2.3	95.5	1.3	2.4a	5.5		None		
SBR65-5821	4640-4650	6309	1.3	1.6	96.7	.4	3.5a	3.8		None		
SBR65-5822	4650-4660	6310	1.2	2.0	95.5	1.3	3.1a	4.8		None		
SBR65-5823	4660-4670	6311	1.4	1.4	95.0	2.2	3.6a	3.3		None		
SBR65-5824	4670-4680	6312	.7	1.4	97.2	.7	1.9a	3.4		None		
SBR65-5825	4680-4690	6313	.9	1.4	96.8	.9	2.4a	3.4		None		
SBR65-5826	4690-4700	6314	1.4	1.7	96.1	.8	3.6a	4.1		None		
SBR65-5827	4700-4710	6315	1.3	1.9	95.8	1.0	3.3a	4.6		None		
SBR65-5828	4710-4720	6316	1.4	2.1	95.9	.6	3.7a	5.0		None		
SBR65-5829	4720-4730	6319	1.2	1.7	96.9	.2	3.1a	4.1		None		
SBR65-5830	4730-4740	6320	1.2	2.2	96.5	.1	3.0a	5.2		None		
SBR65-5831	4740-4750	6321	.9	1.6	97.1	.4	2.4a	3.8		None		
SBR65-5832	4750-4760	6322	.7	2.4	96.8	.1	1.9a	5.7		None		
SBR65-5833	4760-4770	6323	.2	1.3	98.0	.5	.6a	3.2		None		
SBR65-5834	4770-4780	6324	1.1	2.2	96.3	.4	2.8a	5.3		None		
SBR65-5835	4780-4790	6325	.8	2.3	96.5	.4	2.1a	5.6		None		
SBR65-5836	4790-4800	6326	1.1	2.3	96.5	.1	2.8a	5.5		None		
SBR65-5837	4800-4810	6327	.7	2.0	97.0	.3	1.9a	4.8		None		
SBR65-5838	4810-4820	6328	1.3	1.9	96.4	.4	3.3a	4.6		None		
SBR65-5839	4820-4830	6329	.6	1.5	97.3	.6	1.6a	3.6		None		
SBR65-5840	4830-4840	6331	.8	1.5	97.6	.1	2.0a	3.6		None		
SBR65-5841	4840-4850	6332	.7	2.0	97.3	.0	1.7a	4.8		None		
SBR65-5842	4850-4860	6333	.9	2.3	96.4	.4	2.2a	5.5		None		
SBR65-5843	4860-4870	6334	1.2	1.8	96.4	.6	3.0a	4.3		None		

See footnotes at end of table.

Drill cutting samples received November 5, 1964; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Island Unit Well No. 8 (Con.)

Surface elevation 5,550 feet

Sample number		Run No.	Yield of product					Specific gravity of oil at 60°/60°F	Properties of spent shale		Remarks
			Weight percent		Spent shale	Gas + loss	Gal per ton		Tendency to coke		
Laramie	Their		Oil	Water						Oil ^{1/}	Water
SBR65-5844	4870-4880	6335	1.4	1.7	96.0	0.9	3.8a	4.1		None	
SBR65-5845	4880-4890	6336	1.5	1.5	96.7	.3	3.9a	3.6		None	
SBR65-5846	4890-4900	6337	1.7	1.7	96.1	.5	4.3a	4.1		None	
SBR65-5847	4900-4910	6338	1.1	2.0	96.8	.1	2.9a	4.8		None	
SBR65-5848	4910-4920	6339	.7	2.1	96.6	.6	1.9a	5.0		None	
SBR65-5849	4920-4930	6340	1.1	2.0	96.3	.6	2.9a	4.8		None	
SBR65-5850	4930-4940	6341	.5	2.0	97.0	.5	1.3a	4.8		None	
SBR65-5851-57	4940-5010						c				
SBR65-5858	5010-5020						Trace				
SBR65-5859	5020-5030						c				
SBR65-5860	5030-5040	6342	1.0	1.9	96.6	.5	2.5a	4.6		None	
SBR65-5861	5040-5050	6343	1.8	1.6	96.0	.6	4.6a	3.8		None	
SBR65-5862	5050-5060	6344	1.1	1.5	97.1	.3	2.8a	3.6		None	
SBR65-5863	5060-5070	6345	1.4	1.7	96.8	.1	3.7a	4.1		None	
SBR65-5864	5070-5080	6346	.7	2.0	97.2	.1	1.7a	4.8		None	
SBR65-5865	5080-5090	6347	1.1	1.5	97.2	.2	2.8a	3.7		None	
SBR65-5866	5090-5100	6348	.5	1.8	97.4	.3	1.2a	4.4		None	
SBR65-5867-68	5100-5120						c				
SBR65-5869	5120-5130						b				
SBR65-5870	5130-5140						Trace				
SBR65-5871	5140-5150						b				
SBR65-5872	5150-5160	6349	.6	1.4	97.8	.2	1.6a	3.4		None	
SBR65-5873	5160-5170	6350	.9	1.5	97.3	.3	2.4a	3.6		None	
SBR65-5874	5170-5180	6351	1.0	1.4	97.5	.1	2.5a	3.4		None	
SBR65-5875	5180-5190	6352	1.0	1.7	96.9	.4	2.7a	4.1		None	
SBR65-5876	5190-5200	6353	1.2	1.6	96.5	.7	3.0a	3.8		None	
SBR65-5877	5200-5210	6354	.7	1.5	97.2	.6	1.9a	3.6		None	
SBR65-5878	5210-5220	6355	.3	1.9	96.9	.9	.8a	4.6		None	
SBR65-5879	5220-5230						c				
SBR65-5880	5230-5240	6357	.6	1.8	96.5	1.1	1.6a	4.3		None	

See footnotes at end of table.

Drill cutting samples received November 5, 1964; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Island Unit Well No. 8 (Con.)

Surface elevation 5,550 feet

Sample number		Run	Yield of product						Specific gravity of oil at 60°/60°F	Properties of spent shale Tendency to coke	Remarks
			Weight percent			Gal per ton					
			Oil	Water	Spent shale	Gas + loss	Oil ^{1/}	Water			
Laramie	Their	No.									
SBR65-5881	5240-5250	6358	0.2	2.7	96.8	0.3	0.4a	6.5		None	
SBR65-5882-84	5250-5280						b				
SBR65-5885-5902	5280-5460						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.

Drill cutting samples received November 5, 1964; assays made on air-dried samples