

## OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Miami Oil Producer's, Incorporated White Mountain Unit 2 Well 1 drilled in the SW1/4 SW1/4 (820 feet N/S, 1980 feet W/E) of sec 6, T 19 N, R 105 W, Sweetwater County, Wyoming

Surface elevation 7911 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	Water			
SBR74-8394	530- 540	93812	0.9	5.0	93.1	1.0	2.3a	12.0	None	
SBR74-8395	540- 550	93813	1.7	3.0	94.1	1.2	4.3a	7.2	None	
SBR74-8396	550- 560	93814	3.7	2.8	91.7	1.8	8.0	5.3	0.909	None
SBR74-8397	560- 570	93815	3.3	2.2	92.7	1.8	8.8	5.3	.905	None
SBR74-8398	570- 580	93816	3.1	1.8	93.6	1.5	8.1	4.3	.909	None
SBR74-8399	580- 590	93817	.4	2.8	94.0	2.8	1.1a	2.9		None
SBR74-8400	590- 600	93818	.2	5.0	94.1	.7	.6a	12.0		None
SBR74-8401	600- 610	93819	10.9	2.1	83.1	3.9	28.7	5.0	.912	None
SBR74-8402	610- 620	93820	.9	4.2	94.0	.9	2.2a	10.2		None
SBR74-8403	620- 630	93821	9.3	2.7	84.7	3.3	24.4	6.5	.909	None
SBR74-8404	630- 640	93822	2.0	4.6	91.8	1.6	5.4	11.0	.906	None
SBR74-8405	640- 650	93823	.6	3.1	95.2	1.1	1.6a	7.4		None
SBR74-8406	650- 660	93824	2.3	1.6	94.8	1.3	6.0	3.8	.911	None
SBR74-8407	660- 670	93825	1.5	1.7	95.5	1.3	4.0a	4.1		None
SBR74-8408	670- 680	93826	.2	1.1	98.7	.0	.5a	2.7		None
SBR74-8409	680- 690	93827	1.7	1.9	95.1	1.3	4.5a	4.6		None
SBR74-8410	690- 700	93828	1.1	1.7	96.3	.9	2.8a	4.1		None
SBR74-8411	700- 710	93829	1.4	1.0	95.2	1.9	3.7a	2.4		None
SBR74-8412	710- 720	93830	1.5	2.4	95.0	1.1	3.8a	5.7		None
SBR74-8413	720- 730	93831	1.4	2.0	94.6	2.0	3.6a	4.8		None
SBR74-8414	730- 740	93832	5.2	2.0	90.8	2.0	13.5a	4.8		None
SBR74-8415	740- 750	93833	1.4	3.0	93.8	1.8	3.6a	7.2		None
SBR74-8416	750- 760	93834	2.8	3.0	91.7	2.5	7.3	7.2	.907	None
SBR74-8417	760- 770	93835	1.1	2.5	95.2	1.1	3.0a	6.0		None
SBR74-8418	770- 780	93836	.2	3.6	95.4	.8	.6a	8.6		None
SBR74-8419	780- 790	93837	.0	4.0	95.3	.7	Trace	9.6		None
SBR74-8420	790- 800	93838	.4	4.4	94.1	1.1	1.1a	10.7		None
SBR74-8421	800- 810	93839	1.7	2.7	94.4	1.2	4.3a	6.5		None
SBR74-8422	810- 820	93840	.5	4.2	94.0	1.3	1.3a	10.1		None
SBR74-8423	820- 830	93841	.0	4.6	93.9	1.5	No oil	11.0		None

See footnote at end of table.

Drill cutting samples received April 19, 1974; assays made on air-dried samples.

## OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Miami Oil Producer's Incorporated White Mountain Unit 2 well 1

Surface elevation 7911 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				
Laramie	Their		Oil	Water		Spent shale	Gas + loss	Oil	Water	coke
SBR74-8424	840- 850	93842	0.0	5.5	93.8	0.7	No oil	13.2	None	
SBR74-8425	850- 860	93843	.8	3.0	93.8	2.4	2.0a	7.2	None	
SBR74-8426	860- 870	93844	1.8	3.0	94.0	1.2	4.7a	7.2	None	
SBR74-8427	870- 880	93845	1.5	3.2	94.3	1.0	4.0a	7.7	None	
SBR74-8428	880- 890	93846	.7	3.6	95.4	.3	1.8a	8.6	None	
SBR74-8429	890- 900						b			
SBR74-8430-31	900- 920						Trace			
SBR74-8432	920- 930						No oil			
SBR74-8433	1010-1020	93847	1.2	3.8	94.4	.6	3.2a	9.1	None	
SBR74-8434	1020-1030	93848	1.7	2.6	94.8	.9	4.5a	6.2	None	
SBR74-8435	1030-1040	93849	1.4	2.3	95.1	1.2	3.7a	5.5	None	
SBR74-8436	1060-1070	93850	.4	3.4	95.1	1.1	1.0a	8.1	None	
SBR74-8437	1090-1100	93851	2.5	3.1	93.0	1.4	6.6	7.4	0.905	None
SBR74-8438	1100-1110	93852	2.8	3.0	93.1	1.1	7.5	7.2	.911	None
SBR74-8439	1140-1150	93853	.8	2.5	95.4	1.3	2.2a	6.0	None	
SBR74-8440	1150-1160	93854	1.5	2.2	95.5	.8	3.9a	5.3	None	
SBR74-8441	1160-1170	93855	.6	3.2	95.7	.5	1.4a	7.7	None	
SBR74-8442	1170-1180	93856	.0	3.2	96.5	.3	Trace	7.6	None	
SBR74-8443	1180-1190	93857	.4	3.2	95.9	.5	1.0a	7.7	None	
SBR74-8444	1190-1200	93858	1.1	2.3	95.2	1.4	2.9a	5.5	None	
SBR74-8445	1200-1210	93859	1.6	2.8	94.8	.8	4.2a	6.7	None	
SBR74-8446	1210-1220	93860	2.3	2.5	94.6	.6	5.9a	6.0	None	
SBR74-8447	1220-1230	93861	3.1	2.3	93.6	1.0	7.9	5.5	.926	None
SBR74-8448	1230-1240	93862	2.3	2.4	94.4	.9	6.2	5.8	.911	None
SBR74-8449	1240-1250	93863	4.0	2.4	91.7	1.9	10.5	5.8	.906	None
SBR74-8450	1250-1260	93864	5.2	2.2	91.0	1.6	13.8	5.3	.907	None
SBR74-8451	1260-1270	93865	3.9	1.5	92.6	2.0	10.2	3.6	.908	None
SBR74-8452	1270-1280	93866	2.1	2.6	94.6	.7	5.5	6.2	.905	None
SBR74-8453	1280-1290	93867	4.6	1.7	91.4	2.3	12.0	4.1	.920	None
SBR74-8454	1290-1300	93868	7.4	2.5	88.0	2.1	19.3	6.0	.911	None

See footnote at end of table.

Drill cutting samples received April 19, 1974; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Miami Oil Producer's Incorporated White Mountain Unit 2 well 1

Surface elevation 7911 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	Water			
SBR74-8455	1300-1310	93869	7.3	3.0	86.9	2.8	18.9	7.2	0.925	None	
SBR74-8456	1310-1320	93870	9.8	2.6	85.2	2.4	25.8	6.2	.911	None	
SBR74-8457	1320-1330	93871	6.7	2.0	89.1	2.2	17.8	4.8	.910	None	
SBR74-8458	1330-1340	93872	5.7	2.2	90.3	1.8	15.2	5.3	.906	None	
SBR74-8459	1340-1350	93873	4.5	2.4	91.7	1.4	12.0	5.8	.902	None	
SBR74-8460	1350-1360	93874	2.7	2.1	94.4	.8	7.2	5.0	.897	None	
SBR74-8461	1360-1370	93875	1.7	2.4	95.2	.7	4.5a	5.8		None	
SBR74-8462	1370-1380	93876	2.4	2.4	94.3	.9	6.3	5.8	.893	None	
SBR74-8463	1380-1390	93877	2.8	2.1	93.5	1.6	7.5	5.0	.893	None	
SBR74-8464	1390-1400	93878	4.2	3.0	91.4	1.4	11.0	7.2	.907	None	
SBR74-8465	1400-1410	93879	4.8	2.2	89.7	3.3	12.9	5.3	.901	None	
SBR74-8466	1410-1420	93880	2.9	2.4	93.5	1.2	7.7	5.8	.896	None	
SBR74-8467	1420-1430	93881	6.1	3.0	88.8	2.1	16.1	7.2	.911	None	
SBR74-8468	1430-1440	93882	4.1	2.3	92.1	1.5	10.7	5.5	.907	None	
SBR74-8469	1440-1450	93883	1.3	1.9	96.2	.6	3.5a	4.6		None	
SBR74-8470	1450-1460	93884	1.1	1.9	96.6	.4	2.8a	4.6		None	

l/"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/ton, "c"--1 to 3 gal oil/ton.

Drill cutting samples received April 19, 1974; assays made on air-dried samples.