

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mintech Corporation and Marathon Oil Company's Olsen No. 1 Well drilled in SW1/4SE1/4SE1/4
(205 feet N/S 640 feet W/E) of sec 2, T 25 N, R 106 W, Sweetwater County, Wyoming

Collar elevation 6,640 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 ¹ / _{Water}	coke		
SBR71-6806	0- 10	60394	0.0	4.1	95.4	0.5	No oil 9.8	None		
SBR71-6807	10- 20	60395	.0	5.2	94.4	.4	No oil 12.5	None		
SBR71-6808	20- 30	60396	.0	5.6	93.0	1.4	No oil 13.4	None		
SBR71-6809	30- 40	60397	.0	8.2	91.4	.4	No oil 19.7	None		
SBR71-6810	40- 50	60398	.0	9.2	90.2	.6	No oil 22.1	None		
SBR71-6811	50- 60	60399	.0	11.4	87.7	.9	No oil 27.2	None		
SBR71-6812	60- 70	60400	.0	7.5	91.4	1.1	No oil 17.9	None		
SBR71-6813	70- 80	60401	.0	6.7	92.9	.4	No oil 16.2	None		
SBR71-6814	80- 90	60402	.0	5.3	94.2	.5	No oil 12.6	None		
SBR71-6815	90-100	60403	.0	4.6	94.8	.6	No oil 10.9	None		
SBR71-6816	100-110	60404	.0	5.0	94.9	.1	No oil 12.0	None		
SBR71-6817	110-120	60405	.0	4.6	94.2	1.2	No oil 11.1	None		
SBR71-6818	120-130	60406	.0	4.4	95.4	.2	No oil 10.5	None		
SBR71-6819	130-140	60407	.0	4.9	94.7	.4	No oil 11.7	None		
SBR71-6820	140-150	60408	.0	3.2	95.9	.9	No oil 7.6	None		
SBR71-6821	150-160	60409	.0	3.8	95.8	.4	No oil 9.2	None		
SBR71-6822	160-170	60410	.0	4.1	95.8	.1	No oil 9.9	None		
SBR71-6823	170-180	60411	.0	4.3	95.7	.0	No oil 10.3	None		
SBR71-6824	180-190	60412	.0	4.4	95.4	.2	No oil 10.4	None		
SBR71-6825	190-200	60413	.0	2.3	95.1	2.6	No oil 5.4	None		
SBR71-6826	200-210	60414	.0	4.0	94.8	1.2	No oil 9.7	None		
SBR71-6827	210-220	60415	.0	3.3	96.2	.5	No oil 7.8	None		
SBR71-6828	220-230	60416	.0	4.0	95.4	.6	No oil 9.6	None		
SBR71-6829	230-240	60417	.0	4.7	93.8	1.5	No oil 11.2	None		
SBR71-6830	240-250	60418	.0	3.7	95.1	1.2	No oil 8.9	None		
SBR71-6831	250-260	60419	.0	4.8	93.6	1.6	No oil 11.4	None		
SBR71-6832	260-270	60420	.0	6.2	93.2	.6	No oil 14.7	None		
SBR71-6833	270-280	60421	.0	4.5	95.3	.2	No oil 10.9	None		
SBR71-6834	280-290	60422	.0	6.0	93.9	.1	No oil 14.4	None		
SBR71-6835	290-300	60423	.0	5.0	94.3	.7	No oil 12.1	None		

Drill cutting samples received July 28, 1971; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mintech Corporation and Marathon Oil Company's Olsen No. 1 Well

Collar elevation 6,640 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 ¹ / _{Water}	coke		
SBR71-6836	300-310	60424	0.0	4.7	95.1	0.2	No oil	11.3	None	
SBR71-6837	310-320	60425	.0	2.8	95.4	1.8	No oil	6.6	None	
SBR71-6838	320-330	60426	.0	2.6	95.7	1.7	No oil	6.1	None	
SBR71-6839	330-340	60427	.0	3.8	95.8	.4	No oil	9.1	None	
SBR71-6840	340-350	60428	.0	4.1	95.8	.1	No oil	9.7	None	
SBR71-6841	350-360	60429	.0	3.7	95.3	1.0	No oil	8.9	None	
SBR71-6842	360-365	60442	.0	4.2	95.6	.2	No oil	10.1	None	
SBR71-6843	365-370	60443	.0	4.4	94.6	1.0	No oil	10.7	None	
SBR71-6844	370-375	60444	.0	4.2	94.8	1.0	Trace	10.0	None	
SBR71-6845	375-380	60445	1.5	4.3	93.1	1.1	4.0a	10.3	None	
SBR71-6846	380-385	60446	.4	4.4	94.3	.9	.9a	10.5	None	
SBR71-6847	385-390	60447	.8	4.1	94.0	1.1	2.0a	9.9	None	
SBR71-6848	390-395	60448	1.0	4.5	92.9	1.6	2.5a	10.8	None	
SBR71-6849	395-400	60449	.7	3.5	93.8	2.0	1.7a	8.4	None	
SBR71-6850	400-405	60450	1.3	4.2	93.5	1.0	3.3a	10.1	None	
SBR71-6851	405-410	60451	1.1	3.9	91.6	3.4	2.8a	9.5	None	
SBR71-6852	410-415	60452	1.4	3.8	93.2	1.6	3.7a	9.1	None	
SBR71-6853	415-420	60453	1.7	2.7	92.3	3.3	4.4a	6.6	None	
SBR71-6854	420-425	60455	1.1	3.0	94.4	1.5	2.8a	7.2	None	
SBR71-6855	425-430	60456	1.5	4.1	93.2	1.2	3.8a	9.8	None	
SBR71-6856	430-435	60457	1.3	4.6	93.1	1.0	3.4a	11.0	None	
SBR71-6857	435-440	60458	2.7	3.2	92.7	1.4	6.9a	7.6	None	
SBR71-6858	440-445	60459	2.5	3.2	92.3	2.0	6.4a	7.7	None	
SBR71-6859	445-450	60460	2.8	4.0	91.2	2.0	7.6	9.6	0.889	None
SBR71-6860	450-455	60461	1.6	3.0	91.9	3.5	4.2a	7.2	None	
SBR71-6861	455-460	60462	2.6	2.0	92.6	2.8	6.8	4.8	.918	None
SBR71-6862	460-465	60463	3.9	1.8	92.6	1.7	10.3	4.3	.921	None
SBR71-6863	465-470	60464	7.5	1.6	88.0	2.9	19.8	3.8	.913	None
SBR71-6864	470-475	60465	6.9	1.2	89.4	2.5	18.1	2.9	.910	None
SBR71-6865	475-480	60466	4.9	1.7	92.0	1.4	12.9	4.1	.913	None

See footnote at end of table.

Drill cutting samples received July 28, 1971; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mintech Corporation and Marathon Oil Company's Olsen No. 1 Well

Collar elevation 6,640 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
SBR71-6866	480-485	60467	3.3	2.0	93.7	1.0	8.5	4.8	0.920	None
SBR71-6867	485-490	60468	3.3	1.1	93.7	1.9	8.5	2.6	.922	None
SBR71-6868	490-495	60469	1.5	3.1	95.1	.3	4.0a	7.4		None
SBR71-6869	495-500	60470	3.3	2.0	94.2	.5	8.6	4.8	.919	None
SBR71-6870	500-505	60471	5.7	2.8	90.0	1.5	15.0	6.6	.918	None
SBR71-6871	505-510	60472	4.8	1.9	91.0	2.3	12.4a	4.6		None
SBR71-6872	510-515	60473	5.9	3.4	89.0	1.7	15.4	8.1	.913	None
SBR71-6873	515-520	60474	4.7	2.3	90.6	2.4	12.3	5.5	.917	None
SBR71-6874	520-525	60475	6.2	3.5	88.3	2.0	16.3	8.4	.916	None
SBR71-6875	525-530	60476	4.2	2.9	92.0	.9	10.9	7.0	.910	None
SBR71-6876	530-535	60477	2.6	2.8	93.9	.7	6.9	6.6	.912	None
SBR71-6877	535-540	60478	3.4	2.3	92.6	1.7	8.8	5.5	.911	None
SBR71-6878	545-550	60479	3.5	1.6	92.9	2.0	9.1	3.9	.916	None
SBR71-6879	550-555	60480	1.6	1.5	95.6	1.3	4.3a	3.6		None
SBR71-6880	555-560	60481	1.8	1.2	95.8	1.2	4.7a	2.8		None
SBR71-6881	560-565	60482	3.6	1.5	93.1	1.8	9.5	3.5	.915	None
SBR71-6882	565-570	60483	2.3	1.7	94.1	1.9	6.0a	4.2		None
SBR71-6883	570-575	60484	3.3	1.4	93.6	1.7	8.5	3.5	.913	None
SBR71-6884	575-580	60485	3.7	.9	92.9	2.5	9.6	2.2	.920	None
SBR71-6885	580-585	60486	1.6	1.8	95.2	1.4	4.3a	4.3		None
SBR71-6886	585-590	60487	1.9	1.4	95.3	1.4	4.9a	3.4		None
SBR71-6887	590-595	60488	2.9	1.6	93.9	1.6	7.5	3.8	.916	None
SBR71-6888	595-600	60489	3.5	2.0	92.6	1.9	9.1	4.7	.911	None
SBR71-6889	600-605	60490	2.2	1.8	95.2	.8	5.6a	4.4		None
SBR71-6890	605-610	60491	2.6	1.4	94.9	1.1	6.6a	3.4		None
SBR71-6891	610-615	60492	1.6	1.6	96.1	.7	4.2a	3.8		None
SBR71-6892	615-620	60493	1.6	1.3	96.3	.8	4.2a	3.0		None
SBR71-6893	620-625	60494	1.8	1.7	95.8	.7	4.7a	4.1		None
SBR71-6894	625-630	60495	1.7	1.8	95.8	.7	4.4a	4.2		None
SBR71-6895	630-635	60496	1.8	2.6	94.2	1.4	4.8a	6.2		None

See footnote at end of table.

Drill cutting samples received July 28, 1971; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mintech Corporation and Marathon Oil Company's Olsen No. 1 Well

Well elevation 6,640 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		Spent shale	Gas + loss			
Their		Oil	Water							
R71-6896	60497	635-640	1.4	2.6	94.9	1.1	3.8a	6.2	None	
R71-6897	60498	640-645	.9	1.8	96.5	.8	2.4a	4.2	None	
R71-6898	60499	645-650A	1.8	2.7	94.4	1.1	4.8a	6.5	None	
R71-6899	60500	645-650B	2.0	2.4	94.6	1.0	5.2a	5.7	None	
R71-6900	60501	650-655	1.8	2.6	94.4	1.2	4.7a	6.2	None	
R71-6901	60502	655-660	1.6	3.3	94.3	.8	4.2a	7.9	None	
R71-6902	60503	660-665	3.0	3.0	92.5	1.5	7.7	7.3	0.916	None
R71-6903	60504	665-670	1.5	2.6	94.7	1.2	3.9a	6.2	None	
R71-6904	60505	670-675	.4	2.9	96.4	.3	1.1a	6.8	None	
R71-6905	60506	675-680	1.8	3.4	94.4	.4	4.6a	8.1	None	
R71-6906	60507	680-685	1.9	3.0	93.7	1.4	5.0a	7.2	None	
R71-6907	60508	685-690	.7	3.7	94.9	.7	1.8a	8.9	None	
R71-6908	60509	690-695	1.1	3.8	94.1	1.0	2.9a	9.1	None	
R71-6909	60510	695-700	1.4	3.4	94.5	.7	3.8a	8.1	None	
R71-6910	60511	700-705	1.5	3.3	94.4	.8	3.9a	8.0	None	
R71-6911	60512	705-710	2.5	3.6	92.9	1.0	6.5a	8.5	None	
R71-6912	60513	710-715	1.0	3.1	95.4	.5	2.6a	7.5	None	
R71-6913	60514	715-720	1.1	2.8	95.5	.6	2.9a	6.6	None	
R71-6914	60515	720-725	.8	1.6	96.7	.9	2.0a	3.8	None	
R71-6915	60516	725-730	.0	2.5	97.5	.0	No oil	5.9	None	
R71-6916	60517	730-735	.0	1.7	98.1	.2	No oil	4.0	None	
R71-6917	60518	735-740	.0	1.8	98.2	.0	No oil	4.3	None	
R71-6918	60519	740-745	.0	2.1	97.9	.0	No oil	4.9	None	
R71-6919	60520	745-750	.0	.8	98.6	.6	No oil	1.8	None	
R71-6920	60521	750-755	.6	2.0	95.9	1.5	1.6a	4.8	None	
R71-6921	60522	755-760	.1	4.2	94.7	1.0	.2a	10.1	None	
R71-6922	60523	760-765	.0	2.8	96.4	.8	No oil	6.8	None	
R71-6923	60524	765-770	.0	3.4	96.4	.2	No oil	8.1	None	
R71-6924	60525	770-775	.0	4.1	95.7	.2	No oil	9.9	None	
R71-6925	60526	775-780	.0	2.8	95.3	1.9	No oil	6.8	None	

See footnote at end of table.

Drill cutting samples received July 28, 1971; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mintech Corporation and Marathon Oil Company's Olsen No. 1 Well

Collar elevation 6,640 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 ₁ /	Water	coke	
SBR71-6926	780-785	60527	0.0	4.5	94.1	1.4	No oil	10.7	None	
SBR71-6927	785-790	60528	.0	5.1	94.5	.4	No oil	12.2	None	
SBR71-6928	790-795	60529	.0	1.8	97.9	.3	No oil	4.4	None	
SBR71-6929	795-800	60530	.0	4.7	94.9	.4	No oil	11.2	None	
SBR71-6930	800-805	60531	.0	3.0	96.5	.5	No oil	7.1	None	
SBR71-6931	805-810	60532	.0	5.6	93.3	1.1	No oil	13.5	None	
SBR71-6932	810-815	60533	.0	.5	98.1	1.4	No oil	1.1	None	
SBR71-6933	815-820	60534	.0	2.0	96.1	1.9	No oil	4.7	None	
SBR71-6934	820-825	60535	.0	2.6	96.8	.6	No oil	6.2	None	
SBR71-6935	825-830	60536	.0	2.7	96.9	.4	No oil	6.4	None	
SBR71-6936	830-835	60537	.0	1.9	97.0	1.1	No oil	4.5	None	
SBR71-6937	835-840	60538	.0	2.2	97.1	.7	No oil	5.2	None	
SBR71-6938	840-845	60539	.0	1.7	97.7	.6	No oil	4.0	None	
SBR71-6939	845-850	60540	.0	1.0	98.1	.9	No oil	2.4	None	
SBR71-6940	850-855	60541	.0	1.5	98.1	.4	No oil	3.7	None	
SBR71-6941	855-860	60542	.0	1.8	97.6	.6	No oil	4.3	None	
SBR71-6942	860-865	60543	.0	1.6	97.9	.5	No oil	3.9	None	
SBR71-6943	865-870	60544	.0	1.3	97.6	1.1	No oil	3.2	None	
SBR71-6944	875-880	60545	.0	1.8	97.6	.6	No oil	4.2	None	
SBR71-6945	880-885	60546	.0	1.7	97.0	1.3	No oil	4.1	None	
SBR71-6946	885-890	60547	.0	1.7	97.7	.6	No oil	4.2	None	
SBR71-6947	890-895	60548	.0	1.5	98.1	.4	No oil	3.6	None	
SBR71-6948	895-900	60549	.0	1.5	97.7	.8	No oil	3.5	None	
SBR71-6949	900-905	60550	.0	1.5	98.2	.3	No oil	3.6	None	
SBR71-6950	905-910	60551	.0	.9	98.8	.3	No oil	2.2	None	
SBR71-6951	910-915	60552	.0	1.8	98.1	.1	No oil	4.2	None	
SBR71-6952	915-920	60553	.0	1.8	98.1	.1	No oil	4.2	None	
SBR71-6953	920-925	60554	.0	2.1	97.5	.4	No oil	5.1	None	
SBR71-6954	925-930	60555	.0	1.6	98.0	.4	No oil	3.8	None	
SBR71-6955	930-935	60556	.0	1.4	98.4	.2	No oil	3.4	None	

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Samples from Mintech Corporation and Marathon Oil Company's Olsen No. 1 Well

Collar elevation 6,640 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				
SBR71-6956	935- 940	60557	0.0	1.2	97.8	1.0	No oil	2.9	None		
SBR71-6957	940- 945	60558	.0	1.3	98.5	.2	No oil	3.1	None		
SBR71-6958	945- 950	60559	.0	1.8	97.8	.4	No oil	4.3	None		
SBR71-6959	950- 955	60560	.0	1.8	98.0	.2	No oil	4.3	None		
SBR71-6960	955- 960	60561	.0	1.7	97.9	.4	No oil	4.0	None		
SBR71-6961	960- 965	60562	.0	.9	97.9	1.2	No oil	2.2	None		
SBR71-6962	965- 970	60563	.0	2.3	96.0	1.7	Trace	5.5	None		
SBR71-6963	970- 975	60564	.0	1.5	98.2	.3	No oil	3.7	None		
SBR71-6964	975- 980	60565	.0	1.4	98.2	.4	No oil	3.4	None		
SBR71-6965	985- 990	60566	.0	1.9	98.0	.1	Trace	4.6	None		
SBR71-6966	990- 995	60567	.0	1.8	97.2	1.0	No oil	4.2	None		
SBR71-6967	995-1000	60568	.0	1.4	98.4	.2	No oil	3.3	None		
SBR71-6968	1000-1005	60569	.0	.5	98.4	1.1	No oil	1.1	None		
SBR71-6969	1005-1010	60570	.0	.4	97.1	2.5	No oil	1.1	None		
SBR71-6970	1010-1015	60571	.0	1.3	97.9	.8	No oil	3.0	None		
SBR71-6971	1015-1020	60572	.0	1.9	97.9	.2	No oil	4.5	None		
SBR71-6972	1020-1025	60573	.0	.5	98.8	.7	No oil	1.1	None		
SBR71-6973	1025-1030	60574	.0	1.0	98.6	.4	No oil	2.4	None		
SBR71-6974	1030-1035	60575	.0	1.8	98.0	.2	No oil	4.2	None		
SBR71-6975	1035-1040	60576	.0	.4	97.6	2.0	No oil	1.0	None		
SBR71-6976	1040-1045	60577	.0	1.2	97.7	1.1	No oil	2.9	None		
SBR71-6977	1045-1050	60578	.0	1.1	98.6	.3	No oil	2.7	None		
SBR71-6978	1050-1055	60579	.0	1.0	98.6	.4	No oil	2.4	None		
SBR71-6979	1055-1060	60580	.0	.9	98.5	.6	No oil	2.1	None		
SBR71-6980	1060-1065	60581	.0	.8	98.4	.8	No oil	2.0	None		
SBR71-6981	1065-1070	60582	.0	.8	98.2	1.0	No oil	1.8	None		
SBR71-6982	1070-1075	60583	.0	1.7	97.9	.4	No oil	4.1	None		
SBR71-6983	1075-1080	60584	.0	1.7	98.2	.1	No oil	4.1	None		
SBR71-6984	1080-1085	60585	.0	1.3	97.0	1.7	No oil	3.2	None		
SBR71-6985	1085-1090	60586	.0	1.4	98.5	.1	No oil	3.4	None		

Drill cutting samples received July 28, 1971; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mintech Corporation and Marathon Oil Company's Olsen No. 1 Well

Collar elevation 6,640 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	Water	
SBR71-6986	1090-1095	60587	0.0	1.4	98.3	0.3	No oil	3.4	None	
SBR71-6987	1095-1100	60588	.0	1.7	98.1	.2	No oil	4.1	None	
SBR71-6988	1100-1105	60589	.0	1.6	98.2	.2	No oil	3.7	None	
SBR71-6989	1105-1110	60590	.0	1.7	98.1	.2	No oil	4.1	None	
SBR71-6990	1110-1115	60591	.0	1.7	98.2	.1	No oil	4.1	None	
SBR71-6991	1115-1120	60592	.0	1.7	98.2	.1	No oil	4.1	None	
SBR71-6992	1120-1125	60593	.0	1.1	98.7	.2	No oil	2.6	None	
SBR71-6993	1125-1130	60594	.0	1.5	98.3	.2	No oil	3.6	None	
SBR71-6994	1130-1135	60595	.0	2.0	97.9	.1	No oil	4.7	None	
SBR71-6995	1135-1140	60596	.0	2.2	97.3	.5	No oil	5.2	None	
SBR71-6996	1140-1145	60597	.0	2.3	97.3	.4	No oil	5.6	None	
SBR71-6997	1145-1150	60598	.0	1.6	96.8	1.6	No oil	3.9	None	
SBR71-6998	1150-1155	60599	.0	1.4	96.1	2.5	No oil	3.3	None	
SBR71-6999	1155-1160	60600	.4	6.0	91.5	2.1	1.0a	14.5	None	
SBR71-7000	1160-1165	60601	.8	5.3	92.3	1.6	2.1a	12.8	None	
SBR71-7001	1165-1170	60602	.9	4.6	93.5	1.0	2.5a	10.9	None	
SBR71-7002	1170-1175	60603	1.2	2.5	95.7	.6	3.2a	6.0	None	
SBR71-7003	1175-1180	60604	2.1	2.7	94.2	1.0	5.4a	6.4	None	
SBR71-7004	1180-1185	60605	2.6	1.7	92.9	2.8	6.6a	4.1	None	
SBR71-7005	1185-1190	60606	.0	1.6	96.0	2.4	No oil	3.8	None	
SBR71-7006	1190-1195	60607	.0	2.1	96.5	1.4	No oil	4.9	None	
SBR71-7007	1195-1200	60608	.0	3.0	95.2	1.8	No oil	7.2	None	
SBR71-7008	1200-1205	60609	.0	1.1	98.2	.7	No oil	2.6	None	
SBR71-7009	1205-1210	60610	.0	2.8	96.1	1.1	No oil	6.6	None	
SBR71-7010	1210-1215	60611	.0	4.6	94.9	.5	No oil	11.0	None	
SBR71-7011	1215-1220	60612	.0	7.4	90.8	1.8	No oil	17.8	None	
SBR71-7012	1220-1225	60613	.0	4.2	94.5	1.3	No oil	10.1	None	
SBR71-7013	1225-1230	60614	.0	4.6	94.5	.9	No oil	11.0	None	
SBR71-7014	1230-1235	60615	.0	3.6	95.5	.9	No oil	8.7	None	
SBR71-7015	1235-1240	60616	.0	2.6	96.1	1.3	No oil	6.3	None	

See footnote at end of table.

Drill cutting samples received July 28, 1971; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mintech Corporation and Marathon Oil Company's Olsen No. 1 Well

Collar elevation 6,640 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 ^{1/}	Water	coke	
SBR71-7016	1240-1245	60617	0.0	2.1	97.6	0.3	No oil	5.2	None	
SBR71-7017	1245-1250	60618	.0	2.1	96.8	1.1	No oil	5.0	None	
SBR71-7018	1250-1255	60619	.0	2.5	97.3	.2	No oil	6.0	None	
SBR71-7019	1255-1260	60620	.0	2.3	97.6	.1	No oil	5.6	None	
SBR71-7020		60621	.0	2.5	97.0	.5	No oil	6.0	None	<u>2/</u>
SBR71-7021		60622	.0	1.6	97.6	.8	No oil	3.9	None	<u>2/</u>

^{1/} "a"--indicates specific gravity estimates as 0.92.^{2/} Labels unreadable

Drill cutting samples received July 28, 1971; Assays made on air-dried samples