

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Bruff Unit Well #2 drilled in the SW1/4SW1/4  
(750 feet FSL, 850 feet FWL) of sec 16, T 19 N, R 112 W, Lincoln County, Wyoming

Kelly Bushing elevation 6,349 feet

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks
			Weight percent		Gas + loss	Gal per ton		Tendency to coke		
Laramie	Their		Oil	Water		shale			Oil <sup>1/</sup>	Water
SBR75-18329	50- 80						c			
SBR75-18330	80- 110						b			
SBR75-18331	110- 130						Trace			
SBR75-18332-44	130- 520						No Oil			
SBR75-18345	520- 550						Trace			
SBR75-18346-7	550- 610						No Oil			
SBR75-18348-9	610- 670						Trace			
SBR75-18350	670- 700	10986	2.2	2.3	94.0	1.5	5.7	5.5	0.907	None
SBR75-18351	700- 730	10987	2.3	2.5	93.7	1.5	6.0	6.1	.904	None
SBR75-18352-7	730- 910						No Oil			
SBR75-18358	910- 940						Trace			
SBR75-18359-68	940-1240						No Oil			
SBR75-18369-70	1240-1300						c			
SBR75-18371	1300-1330						b			
SBR75-18372	1330-1360						c			
SBR75-18373	1360-1390	10988	2.9	1.6	93.9	1.6	7.7	3.8	.908	None
SBR75-18374	1390-1420	10989	.0	.7	99.0	.3	No Oil	1.6		None
SBR75-18375	1420-1450	10990	2.2	1.2	95.5	1.1	5.9	2.9	.905	None
SBR75-18376	1450-1480	10991	8.6	1.1	88.1	2.2	22.8	2.7	.907	None
SBR75-18377	1480-1510	10992	6.5	1.8	89.5	2.2	17.4	4.3	.899	None
SBR75-18378	1510-1540	10993	6.9	1.1	90.2	1.8	18.3	2.6	.899	None
SBR75-18379	1540-1570	10994	9.3	1.7	86.3	2.7	24.7	4.1	.906	None
SBR75-18380	1570-1600	10995	6.0	.9	91.5	1.6	16.0	2.2	.899	None
SBR75-18381	1600-1630	10996	3.5	1.5	93.7	1.3	9.4	3.6	.897	None
SBR75-18382	1630-1660	10997	4.0	1.5	92.9	1.6	10.6	3.6	.902	None
SBR75-18383	1660-1690	10998	2.8	1.6	94.4	1.2	7.5	3.8	.900	None
SBR75-18384	1690-1720	10999	.8	1.5	97.0	.7	2.0a	3.6		None
SBR75-18385	1720-1750	11000	1.8	1.5	95.6	1.1	4.7a	3.6		None
SBR75-18386	1750-1780	11001	.5	1.5	97.2	.8	1.4a	3.5		None
SBR75-18387	1780-1810	11002	.5	1.9	96.4	1.2	1.4a	4.6		None

See footnote at end of table.

Drill cuttings received June 24, 1975; assays made on air-dried samples

## OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Bruff Unit Well #2 (con.)

Kelly Bushing elevation 6,349 feet

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks
			Weight percent		Gas + loss	Gal per ton		Tendency to coke		
Laramie	Their		Oil	Water		Spent shale			Oil <sup>1/</sup>	Water
SBR75-18388	1810-1840	11003	1.6	1.6	95.7	1.1	4.2a	3.8		None
SBR75-18389	1840-1870	11004	2.8	1.5	94.2	1.5	7.5	3.6	0.899	None
SBR75-18390	1870-1900	11005	3.2	2.1	92.5	2.2	8.5	5.0	.893	None
SBR75-18391	1900-1910	11006	6.4	2.3	88.9	2.4	17.2	5.5	.894	None
SBR75-18392	1910-1920	11007	5.5	2.0	90.5	2.0	14.7	4.8	.894	None
SBR75-18393	1920-1930	11008	5.6	2.0	90.3	2.1	15.1	4.8	.893	None
SBR75-18394	1930-1940	11009	4.8	1.9	91.1	2.2	12.8	4.6	.894	None
SBR75-18395	1940-1950	11010	3.7	2.1	92.7	1.5	9.9	5.0	.890	None
SBR75-18396	1950-1960	11011	.4	1.7	96.0	1.9	1.1a	4.1		None
SBR75-18397	1960-1970	11012	2.1	2.2	93.9	1.8	5.4a	5.4		None
SBR75-18398	1970-1980						b			
SBR75-18399-400	1980-2000						No Oil			

<sup>1/</sup> "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 cuttings received June 24, 1975; assays made on air-dried samples