

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Pacific Transmission Supply Company's Federal-Fontenelle Unit II well 11-15 drilled in the NW1/4NW1/4 (760 feet FNL, 460 feet FWL) of sec 15, T 25 N, R 112 W, Lincoln County, Wyoming

Surface elevation 6,859 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				
Laramie	Their		Oil	Water			Spent shale	Gas + loss	Oil ^{1/}	Water
SBR75-11779	40- 50						Trace			
SBR75-11780-95	50-210						No Oil			
SBR75-11796	210-220	5417	0.0	2.1	96.8	1.1	0.1a	5.0		None
SBR75-11797	220-230	5418	1.8	3.5	93.9	.8	4.7a	8.4		None
SBR75-11798	230-240	5419	.0	1.5	96.9	1.6	.1a	3.6		None
SBR75-11799-805	240-310						c			
SBR75-11806	310-320	5420	.5	2.7	96.2	.6	1.2a	6.5		None
SBR75-11807	320-330	5421	2.2	1.8	95.0	1.0	5.8	4.3	0.910	None
SBR75-11808	330-340	5422	2.4	1.7	94.9	1.0	6.3	4.1	.915	None
SBR75-11809	340-350	5423	2.1	1.6	95.4	.9	5.6	3.8	.914	None
SBR75-11810	350-360	5424	2.2	1.9	95.0	.9	6.0	4.6	.901	None
SBR75-11811	360-370	5425	2.2	1.8	94.8	1.2	6.0	4.3	.904	None
SBR75-11812	370-380	5426	2.3	1.9	94.9	.9	6.1	4.6	.903	None
SBR75-11813	380-390	5427	2.2	2.0	94.8	1.0	5.8	4.8	.906	None
SBR75-11814	390-400	5428	2.2	1.9	94.9	1.0	5.8	4.6	.906	None
SBR75-11815	400-410	5430	2.3	1.8	94.9	1.0	6.0	4.3	.905	None
SBR75-11816-7	490-500						b			
SBR75-11818	510-520	5431	1.3	4.5	93.5	.6	3.6a	10.8		None
SBR75-11819	520-530	5432	.3	5.0	93.9	.8	.8a	12.0		None
SBR75-11820	530-540						c			
SBR75-11821	540-550						b			
SBR75-11822	550-560						c			
SBR75-11823	560-570						b			
SBR75-11824-31	570-650						c			
SBR75-11832-3	650-670						No Oil			
SBR75-11834-5	670-690						c			
SBR75-11836	690-700						No Oil			
SBR75-11837	700-710						Trace			
SBR75-11838-9	710-730						c			
SBR75-11840-1	730-750						b			

See footnote at end of table.

Drill cutting samples received January 14, 1975; assays made on air-dried samples

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			Weight percent		Spent shale	Gas + loss			
Laramie	Their		Oil	Water					Oil ^{1/}
SBR75-11842-5	750- 790						c		
SBR75-11846	790- 800						b		
SBR75-11847	800- 810						c		
SBR75-11848-66	810-1000						No Oil		

^{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 cuttings received January 14, 1975; assays made on air-dried samples