

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Davis Oil Company's Nuclear Federal well No. 2 drilled in NE1/4NE1/4 (680 feet S/N 280 feet W/E) of sec 4, T 15 N, R 100 W, Sweetwater County, Wyoming

Surface elevation 8,414 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
SBR70-7677-91	40-190						No Oil			
SBR70-7692	190-200	53332	0.0	2.7	96.4	0.9	Trace	6.5		None
SBR70-7693	200-210	53333	3.5	2.7	92.2	1.6	9.1	6.5	0.917	None
SBR70-7694	210-220	53334	2.7	2.5	93.4	1.4	6.9	6.0	.925	None
SBR70-7695	220-230	53335	1.9	3.0	94.3	.8	4.9a	7.2		None
SBR70-7696	230-240	53336	6.2	2.5	89.4	1.9	16.1a	6.0		None
SBR70-7697	240-250	53337	.3	1.5	96.6	1.6	.8a	3.6		None
SBR70-7698	250-260	53338	2.0	2.7	93.9	1.4	5.1a	6.5		None
SBR70-7699	260-270	53339	.2	3.0	96.1	.7	.4a	7.2		None
SBR70-7700	270-280	53340	.2	3.0	95.9	.9	.4a	7.2		None
SBR70-7701	280-290	53341	3.0	2.8	92.9	1.3	7.8	6.7	.915	None
SBR70-7702	290-300	53342	2.8	2.0	93.8	1.4	7.2	4.9	.921	None
SBR70-7703	300-310	53343	5.4	2.0	90.4	2.2	13.9	4.9	.927	None
SBR70-7704	310-320	53344	7.5	2.0	87.7	2.8	19.4	4.7	.931	None
SBR70-7705	320-330	53345	4.3	1.8	92.0	1.9	11.1	4.4	.918	None
SBR70-7706	330-335	53346	4.4	1.8	92.1	1.7	11.6	4.2	.917	None
SBR70-7707	335-400	53347	4.5	2.0	91.8	1.7	11.8	4.7	.916	None
SBR70-7708	400-410	53348	4.3	2.0	91.8	1.9	11.2	4.8	.915	None
SBR70-7709	410-420	53349	4.4	1.8	92.0	1.8	11.5	4.3	.914	None
SBR70-7710	420-430	53350	2.9	2.1	93.2	1.8	7.6	5.2	.909	None
SBR70-7711	430-440	53351	.0	3.7	95.7	.6	Trace	8.9		None
SBR70-7712-51	440-650						No Oil			

^{1/} "a"--indicates specific gravity estimated as 0.92. Oil yields were estimated by a rapid test-tube method: "No Oil", "Trace".

Drill cutting samples received June 8, 1970; Assays made on air-dried samples