

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Rock Springs Site 6 Well No. 6-2 drilled in
SE1/4NE1/4NW1/4 sec 15, T 18 N, R 106 W, Sweetwater County, Wyoming

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				
OSGR69-561	90 - 91	45990	6.0	2.3	89.6	2.1	15.4	5.5	0.932	None		
	91 - 92	45991	7.6	2.9	87.4	2.1	19.6	7.0	.928	None		
	92 - 93	45992	7.2	2.4	87.2	3.2	18.6	5.8	.929	None		
	93 - 94	45993	9.8	2.3	85.5	2.4	25.8	5.5	.912	None		
	94 - 95	45994	4.8	2.6	91.7	.9	12.4	6.2	.924	None		
	95 - 96	45995	1.0	1.2	87.5	.3	2.5a	2.9		None		
	96 - 97	45996	.1	1.2	98.5	.2	.4a	2.9		None		
	97 - 98	45997	.5	1.3	97.9	.3	1.2a	3.1		None		
	98 - 99	45998	.2	1.4	98.0	.4	.6a	3.4		None		
	99 -100	45999	.1	.7	98.7	.5	.3a	1.6		None		
	100 -101	46000	1.1	.3	98.0	.6	2.8a	.8		None		
	101 -102	46001	3.1	1.4	94.2	1.3	8.1	3.4	.920	None		
	102 -103	46002	7.1	1.4	89.1	2.4	18.5	3.4	.920	None		
	103 -104	46035	7.0	1.6	89.0	2.4	18.4	3.8	.915	None		
	104 -105	46036	13.2	2.0	81.4	3.4	34.1	4.8	.926	None		
	105 -106	46005	11.2	2.6	83.5	2.7	29.0	6.2	.925	None		
	106 -107	46006	12.5	2.3	82.0	3.2	32.1	5.5	.932	None		
	107 -108	46007	12.1	2.5	82.9	2.5	31.4	6.0	.921	None		
	108 -109	46008	11.0	2.6	84.3	2.1	28.6	6.2	.918	None		
	109 -110	46009	8.7	2.2	86.2	2.9	22.8	5.3	.915	None		
	110 -111	46010	8.2	2.4	86.5	2.9	21.4	5.8	.916	None		
	111 -112	46011	6.0	1.3	89.0	3.7	15.6	3.2	.916	None		
	112 -113	46012	6.0	1.9	88.9	3.2	15.7	4.6	.911	None		
	113 -114	46013	7.5	2.3	87.8	2.4	19.8	5.5	.910	None		
	114 -115	46014	5.8	1.9	88.0	4.3	14.9	4.6	.924	None		
	115 -115.5	46015	5.2	2.7	88.3	3.8	13.6	6.5	.910	None		
	116.5-117	46016	5.4	2.0	88.4	4.2	14.0	4.8	.923	None		
	117 -118	46017	7.4	2.0	85.2	5.4	18.9	4.8	.935	None		
	118 -119	46018	7.9	3.2	84.2	4.7	20.4	7.8	.926	None		
	119 -120	46019	6.7	2.7	87.2	3.4	17.3	6.5	.929	None		

See footnote at end of table.

Core samples received November 1969; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Rock Springs Site 6, Well No. 6-2 (con.)

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			
OSCR69-561	120 -121	46020	7.8	2.8	85.2	4.2	19.9	6.7	0.931	None		
	121.2-122.0	46021	5.0	2.4	89.5	3.1	12.8	5.8	.942	None		
	122 -123	46022	6.1	2.8	87.5	3.6	15.6	6.7	.936	None		
	123 -124	46023	11.0	1.8	83.4	3.8	28.5	4.3	.922	None		
	124 -125	46024	9.8	1.6	84.6	4.0	25.2	3.8	.929	None		
	125 -126	46025	9.1	2.7	83.7	4.5	23.4	6.4	.934	None		
	126 -126.3	46026	8.0	2.4	87.1	2.5	20.4	5.8	.943	None		
	126.5-128.0	46027	6.2	2.8	88.6	2.4	15.9	6.6	.943	None		
	128.0-129.0	46028	7.0	1.4	86.0	5.6	17.7	3.4	.941	None		
	129.0-129.2	46029	13.1	2.2	80.0	4.7	34.3	5.3	.912	None		
	129.9-131.0	46030	13.2	2.2	81.0	3.6	34.6	5.3	.913	None		
	131 -132	46031	12.2	2.0	82.4	3.4	32.2	4.8	.908	None		
	132 -133	46032	13.0	2.0	81.0	4.0	34.4	4.7	.908	None		
	133 -134	46033	13.2	2.3	81.3	3.2	34.7	5.5	.911	None		
	134 -135	46037	10.5	2.4	84.7	2.4	27.6	5.8	.913	None		
	135 -136	46038	9.0	2.3	86.5	2.2	23.9	5.5	.908	None		
	136.0-136.6	46039	8.6	2.3	85.9	3.2	22.7	5.5	.912	None		
	137 -138	46040	5.7	2.0	88.4	3.9	14.9	4.7	.925	None		
	138 -139	46041	9.9	2.0	85.9	2.2	26.0	4.8	.917	None		
	139 -140	46042	11.6	2.4	83.7	2.3	30.1	5.8	.924	None		
	140 -141	46043	11.5	2.9	83.2	2.4	30.5	6.8	.907	None		
	141 -142	46044	6.6	1.9	90.0	1.5	17.2	4.6	.915	None		
	142 -143	46045	11.3	1.5	84.6	2.6	29.6	3.6	.913	None		
	143 -144	46046	9.2	1.7	86.0	3.1	23.8	4.1	.921	None		
	144 -145	46047	5.8	2.6	89.2	2.4	15.3	6.2	.906	None		
	145 -146	46048	5.0	1.5	91.9	1.6	13.4	3.6	.895	None		
	146 -147	46049	2.0	2.0	95.0	1.0	5.4	4.8	.886	None		
	147 -148	46050	1.9	1.2	96.0	.9	5.0a	2.9		None		
	148 -149	46051	1.5	1.5	95.9	1.1	4.0a	3.6		None		
	149 -150	46052	1.3	1.6	95.5	1.6	3.4a	3.8		None		

See footnote at end of table.

Core samples received November 1969; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from U.S. Bureau of Mines Rock Springs Site 6 Well No. 6-2 (con.)

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		
OSCR69-561	150 -150.8	45053	1.0	1.6	96.3	1.1	2.7a	3.8		None

^{1/} "a"--indicates specific gravity estimated as 0.92.

Core samples received November 1969; Assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-4415P Sheet No. 3 of 3 sheets December 3, 1969