

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Oil Corporation's Wonsits Valley Federal No. 88 well drilled in NW1/4SW1/4
(2,020 feet N/S 616 feet E/W) of sec 12, T 8 S, R 21 E, Uintah County, Utah

Surface elevation 4,973 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			Water	Oil	Water	
SBR68- 9985-86	3000-3020									
SBR68-19987	3020-3030	33967	1.5	0.3	97.2	1.0	3.8a	0.8	None	
SBR68- 9988	3030-3040	33968	1.3	.2	97.4	1.1	3.4a	.5	None	
SBR68- 9989	3040-3050	33969	1.5	.4	97.4	.7	4.0a	1.0	None	
SBR68- 9990	3050-3060	33970	1.6	.5	94.1	3.8	4.0a	1.2	None	
SBR68- 9991	3060-3070	33971	1.6	.1	97.1	1.2	4.1a	.4	None	
SBR68- 9992	3070-3080	33972	.9	.1	97.5	1.5	2.3a	.1	None	
SBR68- 9993	3080-3090	33973	1.3	.3	97.2	1.2	3.3a	.7	None	
SBR68- 9994	3090-3100	33974	1.4	.4	97.5	.7	3.6a	1.1	None	
SBR68-19995	3100-3110	33975	1.2	.5	97.5	.8	3.0a	1.2	None	
SBR68- 9996	3110-3120	33976	1.2	.5	97.5	.8	3.3a	1.2	None	
SBR68- 9997	3120-3130	33977	1.1	.3	97.6	1.0	2.9a	.7	None	
SBR68- 9998	3130-3140	33978	1.1	.5	97.4	1.0	2.9a	1.2	None	
SBR68- 9999	3140-3150	33979	1.1	.6	97.6	.7	2.9a	1.3	None	
SBR68-10000	3160-3170	33980	1.0	.5	97.2	1.3	2.6a	1.1	None	
SBR68-10001	3170-3180	33981	1.0	.3	97.6	1.1	2.5a	.8	None	
SBR68-10002	3180-3190	33982	1.0	.3	97.4	1.3	2.6a	.8	None	
SBR68-10003	3190-3200	33983	1.0	.1	97.1	1.8	2.5a	.2	None	
SBR68-10004	3200-3210	33984	.9	.1	97.2	1.8	2.4a	.2	None	
SBR68-10005	3210-3220	33985	1.2	.4	97.7	.7	3.0a	1.1	None	
SBR68-10006	3220-3230	33986	.9	.2	97.5	1.4	2.2a	.6	None	
SBR68-10007	3230-3240	33987	1.2	.5	97.7	.6	3.0a	1.2	None	
SBR68-10008	3240-3250	33988	1.1	.4	97.4	1.1	2.9a	1.0	None	
SBR68-10009	3250-3260	33989	1.1	.3	97.2	1.4	2.8a	.7	None	
SBR68-10010	3260-3270	33990	1.2	.6	97.6	.6	3.0a	1.4	None	
SBR68-10011	3270-3280	33991	1.1	.4	97.4	1.1	2.8a	1.0	None	
SBR68-10012	3280-3290	33992	1.2	.4	97.8	.6	3.2a	.8	None	
SBR68-10013	3290-3300	33993	1.1	.2	97.8	.9	2.8a	.5	None	
SBR68-10014	3300-3310	33994	1.1	.3	97.8	.8	2.9a	.6	None	
SBR68-10015	3310-3320	33995	2.0	.3	96.9	.8	5.3a	.7	None	

See footnote at end of table.

Drill cutting samples received September 26, 1967; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Oil Corporation's Wonsits Valley Federal No. 88 well (con.)

Surface elevation 4,973 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	
SBR68-10016	3320-3330	33996	1.7	0.3	97.0	1.0	4.5a	0.6	None	
SBR68-10017	3330-3340	33997	1.8	.3	97.1	.8	4.6a	.7	None	
SBR68-10018	3340-3350	33998	2.0	.5	96.8	.7	5.2a	1.2	None	
SBR68-10019	3350-3360	33999	1.8	.5	97.3	.4	4.8a	1.2	None	
SBR68-10020	3360-3370	34000	1.8	.6	97.2	.4	4.8a	1.3	None	
SBR68-10021	3370-3380	34001	1.8	.5	97.2	.5	4.7a	1.2	None	
SBR68-10022	3380-3390	34002	2.1	.6	96.9	.4	5.5	1.3	0.923	None
SBR68-10023	3390-3400	34003	2.2	.4	96.8	.6	5.7	1.1	.925	None
SBR68-10024	3400-3410	34004	2.1	.4	97.2	.3	5.4	1.0	.925	None
SBR68-10025	3410-3420	34005	2.1	.5	96.5	.9	5.4	1.2	.931	None
SBR68-10026	3420-3430	34006	2.1	.5	96.8	.6	5.4	1.3	.927	None
SBR68-10027	3430-3440	34007	2.9	.2	96.1	.8	7.5	.6	.930	None
SBR68-10028	3440-3450	34008	2.4	.1	97.2	.3	6.1	.1	.936	None
SBR68-10029	3450-3460	34009	2.9	.4	96.3	.4	7.6	1.0	.925	None
SBR68-10030	3460-3470	34010	2.7	.3	95.8	1.2	7.0	.6	.932	None
SBR68-10031	3470-3480	34011	3.0	.4	95.9	.7	7.8	.8	.926	None
SBR68-10032	3480-3490	34012	3.3	.1	95.6	1.0	8.4	.4	.931	None
SBR68-10033	3490-3500	34013	3.7	.5	94.9	.9	9.6	1.2	.920	None
SBR68-10034	3500-3510	34014	3.0	.4	96.3	.3	7.7	1.1	.925	None
SBR68-10035	3510-3520	34015	2.8	.2	95.9	1.1	7.3	.5	.927	None
SBR68-10036	3530-3540	34016	3.6	.3	95.4	.7	9.4	.7	.919	None
SBR68-10037	3540-3550	34017	3.3	.1	94.9	1.7	8.5	.2	.930	None
SBR68-10038	3550-3560	34018	3.4	.3	95.1	1.2	8.7	.8	.921	None
SBR68-10039	3560-3570	34019	3.0	.3	95.5	1.2	7.7	.7	.923	None
SBR68-10040	3570-3580	34020	2.8	.1	95.4	1.7	7.1	.4	.925	None
SBR68-10041	3580-3590	34021	3.1	.3	95.4	1.2	8.0	.8	.925	None
SBR68-10042	3590-3600	34022	3.3	.3	95.4	1.0	8.5	.8	.922	None
SBR68-10043	3600-3610	34023	3.1	.6	95.8	.5	8.1	1.3	.921	None
SBR68-10044	3610-3620	34024	3.1	.5	95.5	.9	8.0	1.3	.921	None
SBR68-10045	3620-3630	34025	2.2	.6	96.2	1.0	5.8	1.3	.924	None

See footnote at end of table.

Drill cutting samples received September 26, 1967; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Oil Corporation's Wonsits Valley Federal No. 88 well (con.)

Surface elevation 4,973 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	
SBR68-10046	3630-3640	34026	2.9	0.4	96.2	0.5	7.6	0.8	None	
SBR68-10047	3640-3650	34027	2.8	.5	95.9	.8	7.2	1.2	None	
SBR68-10048	3650-3660	34028	2.8	.4	96.0	.8	7.3	1.0	None	
SBR68-10049	3660-3670	34029	2.5	.2	96.0	1.3	6.4	.6	None	
SBR68-10050	3670-3680	34030	2.6	.3	95.9	1.2	6.8	.7	None	
SBR68-10051	3680-3690	34031	3.0	.3	95.5	1.2	7.7	.8	None	
SBR68-10052	3690-3700	34032	2.9	.3	95.4	1.4	7.6	.7	None	
SBR68-10053	3700-3710	34033	2.8	.4	95.8	1.0	7.3	1.0	None	
SBR68-10054	3710-3720	34034	4.3	.5	93.8	1.4	11.1	1.2	None	
SBR68-10055	3720-3730	34035	4.5	.6	93.8	1.1	11.8	1.4	None	
SBR68-10056	3730-3740	34036	4.4	.3	94.0	1.3	11.4	.8	None	
SBR68-10057	3740-3750	34037	5.7	.6	92.2	1.5	14.8	1.4	None	
SBR68-10058	3750-3760	34038	4.3	.4	94.1	1.2	11.1	1.0	None	
SBR68-10059	3770-3780	34039	4.8	.4	93.5	1.3	12.5	1.0	None	
SBR68-10060	3780-3790	34040	5.4	.3	92.3	2.0	14.1	.8	None	
SBR68-10061	3790-3800	34041	1.8	.5	97.0	.7	4.6a	1.3	None	
SBR68-10062	3800-3810	34042	1.7	.6	96.8	.9	4.5a	1.4	None	
SBR68-10063	3810-3820	34043	1.6	.4	96.9	1.1	4.3a	.8	None	
SBR68-10064	3840-3850	34044	1.4	.1	95.9	2.6	3.6a	.2	None	
SBR68-10065	3850-3860	34045	1.7	.2	96.6	1.5	4.6a	.4	None	
SBR68-10066	3860-3870	34046	2.5	.5	96.0	1.0	6.6	1.1	None	.919
SBR68-10067	3870-3880	34047	2.5	.5	95.8	1.2	6.5	1.2	None	.914
SBR68-10068	3880-3890	34048	2.5	.5	96.0	1.0	6.6	1.1	None	.919
SBR68-10069	3900-3910	34049	2.3	.5	95.9	1.3	5.9	1.2	None	.917
SBR68-10070	3910-3920	34050	2.3	.6	95.8	1.3	5.9	1.6	None	.912
SBR68-10071	3920-3930	34051	2.1	.8	96.0	1.1	5.6	1.8	None	.906
SBR68-10072	3930-3940	34052	1.9	.7	96.2	1.2	5.1a	1.6	None	
SBR68-10073	3940-3950	34053	1.9	.4	96.3	1.4	5.0a	1.0	None	
SBR68-10074	3950-3960	34054	1.7	.4	96.5	1.4	4.4a	.8	None	
SBR68-10075	3960-3970	34055	1.6	.4	96.7	1.3	4.1a	1.0	None	

See footnote at end of table.

Drill cutting samples received September 26, 1967; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Oil Corporation's Wonsits Valley Federal No. 88 well (Con.)

Surface elevation 4,973 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 / _{ton}	Water	coke	
SBR68-10076	3970-3980	34056	1.6	0.3	96.3	1.8	4.2a	0.7	None	
SBR68-10077	3980-3990	34057	1.2	1.0	97.1	.7	3.2a	2.4	None	
SBR68-10078	3990-4000	34058	1.1	.8	97.2	.9	2.8a	1.9	None	
SBR68-10079	4000-4010	34059	1.3	1.3	97.2	.2	3.4a	3.1	None	
SBR68-10080	4010-4020	34060	.9	.6	97.1	1.4	2.3a	1.6	None	
SBR68-10081	4020-4030	34061	1.3	.9	96.9	.9	3.3a	2.2	None	
SBR68-10082	4030-4040	34062	1.2	1.2	97.0	.6	3.2a	2.9	None	
SBR68-10083	4040-4050	34063	1.1	.9	96.9	1.1	2.9a	2.2	None	
SBR68-10084	4050-4060	34064	1.3	1.1	96.5	1.1	3.3a	2.6	None	
SBR68-10085	4060-4070	34065	.9	.9	96.9	1.3	2.4a	2.0	None	
SBR68-10086	4070-4080	34066	1.4	.9	96.8	.9	3.5a	2.2	None	
SBR68-10087	4080-4090	34067	1.3	1.1	96.6	1.0	3.4a	2.6	None	
SBR68-10088	4090-4100	34068	1.2	1.2	96.3	1.3	3.2a	2.9	None	
SBR68-10089	4100-4110	34069	.8	.8	97.3	1.1	2.2a	1.8	None	
SBR68-10090	4110-4120	34070	.9	1.1	97.4	.6	2.4a	2.6	None	
SBR68-10091	4120-4130	34071	.9	.9	97.7	.5	2.4a	2.0	None	
SBR68-10092	4130-4140	34072	1.1	1.2	97.3	.4	2.7a	2.9	None	
SBR68-10093	4140-4150	34073	1.1	1.1	97.2	.6	2.7a	2.6	None	
SBR68-10094	4150-4160	34074	1.0	1.2	97.3	.5	2.5a	2.9	None	
SBR68-10095	4160-4170	34075	1.1	1.0	97.0	.9	2.9a	2.4	None	
SBR68-10096	4170-4180	34076	1.1	.9	97.0	1.0	2.9a	2.2	None	
SBR68-10097	4180-4190	34077	1.3	1.0	96.9	.8	3.3a	2.4	None	
SBR68-10098	4190-4200	34078	1.3	1.1	96.3	1.3	3.5a	2.6	None	
SBR68-10099	4200-4210	34079	1.1	.9	97.1	.9	2.9a	2.2	None	
SBR68-10100	4210-4220	34080	.9	.4	97.2	1.5	2.3a	1.0	None	
SBR68-10101	4220-4230	34081	1.0	.5	97.9	.6	2.5a	1.2	None	
SBR68-10102	4230-4240	34082	.9	.6	97.8	.7	2.3a	1.6	None	
SBR68-10103	4240-4250	34083	1.4	.9	97.4	.3	3.6a	2.2	None	
SBR68-10104	4250-4260	34084	1.3	.4	96.8	1.5	3.4a	.9	None	
SBR68-10105	4260-4270	34085	1.4	1.1	96.7	.8	3.6a	2.6	None	

See footnote at end of table.

Drill cutting samples received September 26, 1967; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Oil Corporation's Wonsits Valley Federal No. 88 well (Con.)

Surface elevation 4,973 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	
SBR68-10106	4270-4280	34086	1.3	1.5	96.5	0.7	3.3a	3.6	None	
SBR68-10107	4280-4290	34087	1.2	1.1	96.5	1.2	3.0a	2.6	None	
SBR68-10108	4290-4300	34088	1.1	1.5	96.3	1.1	2.9a	3.6	None	
SBR68-10109	4300-4310	43089	.8	1.2	96.5	1.5	2.2a	2.9	None	
SBR68-10110	4310-4320	34090	1.2	1.2	96.2	1.4	3.0a	3.0	None	
SBR68-10111	4320-4330	34091	1.0	.4	97.9	.7	2.7a	.8	None	
SBR68-10112	4330-4340	34092	.7	1.0	96.7	1.6	1.8a	2.4	None	
SBR68-10113	4340-4350	34093	1.1	1.2	97.6	.1	2.8a	2.9	None	
SBR68-10114	4350-4360	34094	1.4	1.2	96.6	.8	3.6a	3.0	None	
SBR68-10115	4360-4370	34095	1.3	1.5	96.8	.4	3.5a	3.6	None	
SBR68-10116	4370-4380	34096	1.4	1.4	96.6	.6	3.7a	3.4	None	
SBR68-10117	4380-4390	34097	1.3	1.2	96.7	.8	3.3a	2.9	None	
SBR68-10118	4390-4400	34098	1.5	1.3	96.7	.5	4.0a	3.0	None	
SBR68-10119	4400-4410	34099	1.4	1.4	96.3	.9	3.5a	3.4	None	
SBR68-10120	4410-4420	34100	1.4	1.4	96.5	.7	3.8a	3.4	None	
SBR68-10121	4420-4430	34101	1.1	1.3	96.6	1.0	2.9a	3.1	None	
SBR68-10122	4430-4440	34102	1.5	1.1	96.0	1.4	4.0a	2.6	None	
SBR68-10123	4440-4450	34103	1.3	1.3	96.8	.6	3.4a	3.1	None	
SBR68-10124	4450-4460	34104	1.3	1.6	96.0	1.1	3.3a	3.8	None	
SBR68-10125	4460-4470	34105	1.3	1.5	96.8	.4	3.3a	3.6	None	
SBR68-10126	4470-4480	34106	1.0	1.5	96.5	1.0	2.7a	3.6	None	
SBR68-10127	4480-4490	34107	1.1	1.5	96.5	.9	2.9a	3.6	None	
SBR68-10128	4490-4500	34108	1.1	1.4	97.2	.3	2.9a	3.4	None	
SBR68-10129	4500-4510	34109	1.1	1.6	96.4	.9	2.8a	3.8	None	
SBR68-10130	4510-4520	34110	1.2	1.5	96.7	.6	3.2a	3.6	None	
SBR68-10131	4520-4530	34111	1.0	1.2	96.8	1.0	2.7a	2.9	None	
SBR68-10132	4530-4540	34112	1.3	1.1	97.1	.5	3.3a	2.6	None	
SBR68-10133	4540-4550	34113	1.0	1.2	96.4	1.4	2.7a	2.9	None	
SBR68-10134	4550-4560	34114	1.4	1.4	96.7	.5	3.6a	3.4	None	
SBR68-10135	4560-4570	34115	1.6	.7	97.0	.7	4.0a	1.8	None	

See footnote at end of table.

Drill cutting samples received September 26, 1967; Assays made on air-dried samples

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Samples from Gulf Oil Corporation's Wonsits Valley Federal No. 88 well (Con.)

Surface elevation 4,973 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					
Laramie	Their		Oil	Water	Spent shale	Gas + loss	Oil ^{1/}	Water			
SBR68-10136	4570-4580	34116	0.5	1.0	98.0	0.5	1.2a	2.4		None	
SBR68-10137	4580-4590	34117	.4	2.1	96.5	1.0	1.0a	5.0		None	
SBR68-10138	4590-4600	34118	2.5	1.3	95.4	.8	6.6	3.1	0.909	None	
SBR68-10139	4600-4610	34119	2.4	1.3	95.7	.6	6.2	3.1	.905	None	
SBR68-10140	4610-4620	34120	1.5	1.5	96.2	.8	4.0a	3.6		None	
SBR68-10141	4620-4630	34121	2.0	1.4	95.6	1.0	5.2a	3.4		None	
SBR68-10142	4630-4640	34122	1.6	1.9	96.2	.3	4.1a	4.6		None	
SBR68-10143	4640-4650	34123	1.4	2.0	95.9	.7	3.8a	4.8		None	
SBR68-10144	4660-4670	34124	1.0	2.1	96.0	.9	2.5a	5.0		None	
SBR68-10145	4670-4680	34125	.8	1.6	96.7	.9	2.1a	3.8		None	
SBR68-10146	4680-4690	34126	1.0	1.3	96.5	1.2	2.6a	3.1		None	
SBR68-10147	4690-4700	34127	.8	1.3	96.5	1.4	2.1a	3.1		None	
SBR68-10148	4700-4710	34128	.9	1.0	96.2	1.9	2.2a	2.4		None	
SBR68-10149	4710-4720	34129	.5	1.9	97.1	.5	1.4a	4.6		None	
SBR68-10150	4720-4730	34130	.6	1.7	96.7	1.0	1.6a	4.1		None	
SBR68-10151	4730-4740	34131	.8	2.0	96.8	.4	2.1a	4.8		None	
SBR68-10152	4740-4750	34132	.8	2.0	96.6	.6	2.2a	4.8		None	
SBR68-10153	4750-4760	34133	.9	1.7	96.2	1.2	2.2a	4.1		None	
SBR68-10154	4760-4770	34134	.8	2.0	96.2	1.0	2.2a	4.8		None	
SBR68-10155	4770-4780	34135	.6	1.9	96.3	1.2	1.7a	4.6		None	
SBR68-10156	4780-4790	34136	.8	1.8	96.2	1.2	2.2a	4.3		None	
SBR68-10157	4790-4800	34137	.6	1.6	95.7	2.1	1.6a	3.8		None	
SBR68-10158	4800-4810	34138	.9	1.5	96.4	1.2	2.3a	3.6		None	
SBR68-10159	4810-4820	34139	1.2	1.5	96.3	1.0	3.1a	3.6		None	
SBR68-10160	4820-4830	34140	.7	1.6	95.9	1.8	1.8a	3.8		None	
SBR68-10161	4830-4840	34141	.9	1.5	96.7	.9	2.3a	3.6		None	
SBR68-10162	4840-4850	34142	.9	2.0	96.2	.9	2.3a	4.8		None	
SBR68-10163	4850-4860	34143	.9	2.0	96.5	.6	2.3a	4.8		None	
SBR68-10164	4860-4870	34144	.9	2.0	96.1	1.0	2.3a	4.8		None	
SBR68-10165	4870-4880	34145	.7	1.9	96.6	.8	1.7a	4.6		None	

See footnote at end of table.

Drill cutting samples received September 26, 1967; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Oil Corporation's Wonsits Valley Federal No. 88 well (Con.)

Surface elevation 4,973 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
SBR68-10166	4880-4890	34146	0.5	2.2	96.7	0.6	1.2a	5.3	None	
SBR68-10167	4890-4900	34147	.3	2.2	96.4	1.1	.9a	5.3	None	
SBR68-10168	4900-4910	34148	.3	2.2	96.1	1.4	.9a	5.3	None	
SBR68-10169	4910-4920						b			
SBR68-10170	4920-4930						c			
SBR68-10171-72	4930-4950						b			
SBR68-10173	4950-4960						c			
SBR68-10174-76	4960-4990						b			
SBR68-10177	4990-5000	34149	.9	2.3	96.1	.7	2.3a	5.5	None	
SBR68-10178	5000-5010	34150	1.2	2.2	96.0	.6	3.0a	5.3	None	
SBR68-10179	5010-5020	34151	.9	1.9	95.8	1.4	2.4a	4.6	None	
SBR68-10180	5020-5030	34152	.7	1.3	94.2	3.8	1.7a	3.1	None	
SBR68-10181	5030-5040	34153	.8	1.9	96.7	.6	2.2a	4.6	None	
SBR68-10182	5040-5050	34154	1.0	1.9	96.0	1.1	2.6a	4.6	None	
SBR68-10183	5050-5060	34155	1.1	1.9	96.4	.6	2.8a	4.6	None	
SBR68-10184	5060-5070	34156	.8	1.5	95.7	2.0	2.1a	3.6	None	
SBR68-10185	5070-5080	34157	1.4	1.8	95.7	1.1	3.7a	4.3	None	
SBR68-10186	5080-5090	34158	1.1	1.8	95.4	1.7	2.9a	4.3	None	
SBR68-10187	5090-5100	34159	1.0	1.9	96.0	1.1	2.6a	4.6	None	
SBR68-10188	5100-5110	34160	.5	.8	94.6	4.1	1.4a	1.8	None	
SBR68-10189	5110-5120	34161	.0	.0	92.9	7.1	No Oil	.1	None	
SBR68-10190	5120-5130	34162	1.0	1.8	95.8	1.4	2.5a	4.3	None	
SBR68-10191-92	5130-5150						b			
SBR68-10193-94	5150-5170						Trace			
SBR68-10195	5170-5180						b			
SBR68-10196	5180-5190						c			
SBR68-10197-10202	5190-5250						b			
SBR68-10203-06	5150-5290						c			
SBR68-10207	5290-5300						b			
SBR68-10208	5300-5310	34163	.7	1.2	96.7	1.4	1.8a	2.9	None	

See footnote at end of table.

Drill cutting samples received September 26, 1967; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Gulf Oil Corporation's Wonsits Valley Federal No. 88 well (Con.)

Surface elevation 4,973 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					
Laramie	Their		Oil	Water	Spent shale	Gas + loss	Oil ^{1/}	Water			
SBR68-10209	5310-5320	34164	0.2	1.4	96.6	1.8	0.5a	3.4		None	
SBR68-10210	5320-5330	34165	.0	1.1	98.9	.0	No Oil	2.5		None	
SBR68-10211	5330-5340	34166	.5	1.2	97.1	1.2	1.4a	2.9		None	
SBR68-10212	5340-5350	34167	.8	1.5	97.0	.7	2.1a	3.6		None	
SBR68-10213	5350-5360	34168	.7	1.6	97.0	.7	1.7a	3.8		None	
SBR68-10214	5360-5370	34169	.8	1.0	96.9	1.3	2.1a	2.4		None	
SBR68-10215	5370-5380	34170	1.2	1.3	96.9	.6	3.2a	3.1		None	

^{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 cutting samples received September 26, 1967; Assays made on air-dried samples

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