

OIL TREATER UNIT SURVEY

Exhibit C

Conducted by: Wyoming Department of Environmental Quality
and Wyoming Game and Fish Department

Description of Facilities Surveyed

NOV 9 - 1976

Company Name	Facility Name	Location	Type of Treatment	Approximate Flow Volume
Amoco	North Fork Field	Approx 4 miles north of Kaycee, Wyoming	Earthen skim ponds	Approx .6 MGD
Amoco	Salt Creek Wemco #7	Salt Creek oil field	Wemco followed by earthen skim ponds	Approx 6.0 MGD
Amoco	Lander Field	Approx 4 miles northeast of Lander, Wyoming	Earthen skim ponds	Approx .5 MGD
Arco	Hamilton Dome	Approx 25 miles northwest of Thermopolis	Earthen skim ponds	Approx 4.0 MGD
Chevron	Quealy Dome	Approx 25 miles northwest of Laramie, Wyo.	Sand filter and earthen skim ponds	Approx .1 MGD
Marathon	Oregon Basin Batt. B	Approx 15 miles south of Cody, Wyoming	Concrete separator, Wemco, and earthen skim ponds	Approx .3 MGD
Union Oil Co.	Dallas Dome	Approx 10 miles southeast of Lander, Wyo.	Earthen skim ponds	Approx .8 MGD
Union Oil Co.	Fourte 4 & 5	Approx 10 miles southeast of Lander, Wyo.	Earthen skim ponds	Approx .08 MGD
Union Oil Co.	Derby Dome	Approx 15 miles southeast of Lander, Wyo.	Earthen skim ponds	Approx .13 MGD
Joe Webster	Lake Creek Field	Approx 25 miles east of Thermopolis, Wyoming	Earthen skim ponds	Approx .25 MGD

SUMMARY OF ALL DATA COLLECTED

Unit Name	Total # of Samples Collected	Low mg/l	Average mg/l	High mg/l	# of samples Exceeding 10 mg/l	% of samples Exceeding 10 mg/l
Amoco - North Fork Field	10	1.0	4.6	10.4	1	10%
Amoco - Salt Creek Wemco #7	12	6.8	11.8	22.2	8	67%
Amoco - Lander Field	2	1.8	5.0	8.2	0	0%
Arco - Hamilton Dome	25	1.2	10.8	26.4	10	40%
Chevron - Quealy Dome	12	.2	11.8	83.1	2	15%
Marathon - Oregon Basin	22	1.5	7.3	27.6	4	18%
Union - Dallas Dome	11	1.3	7.8	22.7	1	9%
Union - Fourte 4 & 5	9	1.0	2.0	3.0	0	0%
Union - Derby Dome	10	2.1	8.4	18.3	3	30%
Webster - Lake Creek Field	16	3.8	11.1	25.8	7	44%
TOTAL	129 (Total)	.2	(Avg. of all) 8.8	83.1	36 (Total)	(Percentage of all samples) 28%

SUMMARY OF DATA COLLECTED WHEN FACILITIES WERE NOT OPERATING NORMALLY
AND/OR SKIM PONDS NOT PROPERLY MAINTAINED

Unit Name	# of samples collected	Low mg/1	Average mg/1	High mg/1	# of samples exceeding 10 mg/1	% of samples exceeding 10 mg/1
Amoco - North Fork Field	(Treater conditions not recorded on 2 samples) 1	10.4	10.4	10.4	1	100%
Amoco - Salt Creek Wemco #7	(Treater conditions not recorded on 3 samples) 5	6.8	13.7	22.2	4	80%
Amoco - Lander Field	0	--	--	--	-	--
Arco - Hamilton Dome	(Treater conditions not recorded on 2 samples) 12	7.1	15.7	26.4	10	83%
Chevron - Quealy Dome	4	1.0	23.3	83.1	1	25%
Marathon - Oregon Basin	(Treater conditions not recorded on 4 samples) 7	2.2	8.1	13.7	2	29%
Union - Dallas Dome	3	7.3	12.7	22.7	1	33%
Union - Fourte 4 & 5	0	--	--	--	-	--
Union - Derby Dome	3	10.6	18.3	18.3	3	100%
Webster - Lake Creek Field	(Treater conditions not recorded on 1 sample) 6	5.6	19.8	19.8	5	83%
TOTAL	41 (Total)	1.0	(Avg. of all) 14.5	83.1	27 (Total)	(Percentage of all samples) 66%

SUMMARY OF DATA COLLECTED WHEN FACILITIES OPERATING NORMALLY
AND SKIM PONDS RECEIVING PROPER MAINTENANCE

Unit Name	# of samples collected	Low mg/l	Average mg/l	High mg/l	# of samples exceeding 10 mg/l	# of samples exceeding 10 mg/l
Amoco - North Fork Field	(Treater conditions not recorded on 2 samples) 7	1.0	3.8	6.4	0	0%
Amoco - Salt Creek Wemco #7	(Treater conditions not recorded on 3 samples) 4	6.8	9.8	13.2	2	50%
Amoco - Lander Field	2	1.8	5.0	8.2	0	0%
Arco - Hamilton Dome	(Treater conditions not recorded on 2 samples) 11	1.2	5.7	9.4	0	0%
Chevron - Quealy Dome	8	.2	6.2	10.4	1	13%
Marathon - Oregon Basin	(Treater conditions not recorded on 4 samples) 11	1.5	5.0	7.5	0	0%
Union - Dallas Dome	8	1.3	6.0	9.6	0	0%
Union - Fourte 4 & 5	9	1.0	2.0	3.0	0	0%
Union - Derby Dome	7	2.1	5.2	9.4	0	0%
Webster - Lake Creek Field	(Treater conditions not recorded on 1 sample) 9	3.8	8.2	25.8	1	11%
TOTAL	76 (Total)	.2	(Avg. of all) 5.5	25.8	4 (Total)	(Percentage of all samples) 5%