AOGCC Pool Statistics

Beaver Creek, Beaver Creek Oil Pool

Operator: Marathon Oil Company

Discovery Well: Marathon Oil Company
Beaver Creek Unit No. 4
Permit #172-013
API No. 50-133-20239-00-00
Sec. 33, T07N, R10W, SM
Depth: 15,940' MD / 15,715' TVD
December 17, 1972

Status: **Producing**

Location: **Central Arctic Slope** Area Location Map DNR Unit Map

Orders: Complete List

Summary: The Beaver Creek Oil Pool was discovered in 1972 by the Beaver Creek Unit No. 4 well and developed with four wells drilled between 1972 to 1981. Regular production began in January 1973, and peaked at 2,188 barrels of oil per day during July 1973. At the end of 2004, the production from the pool averaged 186 barrels of oil and 23 barrels of water per day. Production from the pool has been dominated by Beaver Creek Unit No. 4, which has produced a total of 4,455,577 barrels of oil. The other major producer is Beaver Creek Unit No. 5RD, which has produced 1,206,737 barrels of oil. Beaver Creek Unit No. 5 and No. 6 have been minor producers.

Geology: The Beaver Creek oil pool is the accumulation of oil that is common to, and correlates with, the accumulation present in the Beaver Creek Unit No. 4 well between the measured depths of 14,518 feet and 15,874 feet. This oil pool comprises reservoir sandstone and conglomeratic sandstone assigned to the Tyonek G-Zone and the Hemlock Formation. These sediments are fluvial in origin, and were deposited as valley-fill and or within floodplains. The Beaver Creek Oil Pool accumulation lies at the crest of a nearly circular anticline, which is slightly elongate in a north-south direction. The accumulation is bound by to the east by a north-south trending fault, and by dip closure to the north, west, and south. The crest of the anticline lies approximately 14,500 feet below sea level. Pressure transient analysis of DST data indicates the Hemlock has an effective permeability of 0.5 md, and the G-Zone has an effective permeability of about 75 md. Oil gravity in the G-Zone is approximately 34 to 35 degrees API, and viscosity is approximately 0.7 centipoise.

Strat Column Type Log

Production: Prod Chart Prod Report Prod Data

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	**5,725,937**	**0**	**2,041,869**	**65,202**
2001 Total	84,562	0	21,450	2,681
2002 Total	79,481	0	23,082	5,720
2003 Total	76,134	0	23,040	4,809
2004 Total	68,062	0	22,067	8,430
2003 Daily Rate	209	0	63	13
2004 Daily Rate	186	0	60	23
Change (%)	-11%	0	-5%	77%

Continued: 1 > 2 > 3

AOGCC Pool Statistics

Beaver Creek, Beaver Creek Oil Pool

EOR Injection:

	Gas (Mcf)	Water
Cumulative	**551,0564**	**0**
2001 Total	0	0
2002 Total	0	0
2003 Total	0	0
2004 Total	0	0
2003 Rate (per day)	0	0
2004 Rate (per day)	0	0
Change (%)	0	0

Disposal Injection in Field:

Chart Report Data

	Disposed Fluids
Cumulative	**529,366**
2001 Total	21,084
2002 Total	27,200
2003 Total	39,405
2004 Total	78,818
2003 Rate (per day)	108
2004 Rate (per day)	216
Change (%)	100%

Field Development Information:

Wells In Field

Type Well	Status	2004	2003	2002	2001	2000
Producer	Oil Producer	2	2	2	2	2
Injector	Water Injector	0	0	0	0	0
	Gas Injector	0	0	0	0	0
	WAG Injector	0	0	0	0	0
	Water Supply	0	0	0	0	0
	Disposal	1	1	2	2	2
Non-Operating	Suspended	0	0	0	0	0
	Abandoned	4	4	3	3	3
Total		**7**	**7**	**7**	**7**	**7**

Active Completions in Pool (Month of December):

Type Well	Status	2004	2003	2002	2001	2000
Oil Producer	Flowing	0	0	0	0	1
	Gas Lift	2	2	2	2	0
	Shut-In	0	0	0	0	0
Service Well	Water Injector	0	0	0	0	0
	Gas Injector	0	0	0	0	0
	WAG Injector	0	0	0	0	0
	Water Supply	0	0	0	0	0
	Shut-In	0	0	0	0	0
Disposal Undef.	Disposal Injector	0	1	1	1	1
	Shut-In	1	0	1	1	1
Total		**3**	**3**	**4**	**4**	**3**

Continued: 1 > 2 > 3

AOGCC Pool Statistics

Beaver Creek, Beaver Creek Oil Pool

Permitted Wells in Field:

Type Well	Status	2004	2003	2002	2001	2000
Development	New	0	0	0	0	0
	Sidetrack	0	0	0	0	0
	Multilateral	0	0	0	0	0
Service	New	0	0	0	0	0
	Sidetrack	0	0	0	0	0
	Multilateral	0	0	0	0	0
Exploration	New	0	0	0	0	0
	Sidetrack	0	0	0	0	0
Total		**0**	**0**	**0**	**0**	**0**

Reservoir Properties:

Description	2004	2003	2002	2001	2000
Reference Datum - ft. below sea level	14800	14800	14800	14800	14800
Temperature - ° F	215	215	215	215	215
Porosity - %	-	-	-	-	-
Permeability - md	-	-	-	-	-
Swi - %	-	-	-	-	-
Oil Viscosity @ Orig. Press. cp	-	-	-	-	-
Oil Viscosity @ Sat. Press. cp	-	-	-	-	-
Orig. Press. - psi	7552	7552	7552	7552	7552
Disposal Undef.	-	-	-	-	-
Bubble Point - psi	-	-	-	-	-
Current Reservoir Press. - psi	1236	1236	1236	1236	1236
Oil Gravity - ° API	35	35	35	35	35
Gas Specific Gravity (Air = 1.0)	-	-	-	-	-
Gross Pay - ft.	-	-	-	-	-
Net Pay - ft.	100	100	100	100	100
Orig. FVF - RB/STB	-	-	-	-	-
Bubble Point FVF - RB/STB	-	-	-	-	-
Orig. GOR - SCF/STB	380	380	380	380	380
GOR (current yr.) - SCF/STB	324	302	290	254	280

References / Summary

Continued: 1 > 2 > 3

Colville River Unit
Alpine Oil Pool

Reservoir Properties

Property	2003	2002	2001	2000	1999
Reference Datum - feet below sea level	7000	7000	7000	7000	7000
Temperature - ° F	160	160	160	160	160
Porosity - %	19	19	19	19	19
Permeability - md	15	15	15	15	15
Swi - %	20	20	20	20	20
Oil Viscosity @ Original Pressure cp	0.46	0.46	0.46	0.46	0.46
Oil Viscosity @ Saturation Pressure cp	0.4	0.4	0.4	0.4	0.4
Original Pressure - psia	3215	3215	3215	3215	3215
Bubble Point - psia	2454	2454	2454	2454	2454
Current Reservoir Pressure - psia	2900	2900	2800	3215	3215
Oil Gravity - ° API	40	40	40	40	40
Gas Specific Gravity (Air = 1.0)	0.72	0.72	0.72	0.72	0.72
Gross Pay - feet	50	50	50	50	50
Net Pay - feet	48	48	48	48	48
Original FVF - RB/STB	1.44	1.44	1.44	1.469	1.469
Bubble Point FVF - RB/STB	1.461	1.461	1.461	1.54	1.54
Original Gas/Oil Ratio - SCF/STB	840	840	840	940	850
Gas/Oil Ratio (avg. December) - SCF/STB	1263	1263	1015	953	0

State of Alaska, Oil and Gas Conservation Commission

Production History for: BEAVER CREEK, BEAVER CREEK OIL Pool

Jan 1958 Dec 2004

Month	DaysProd	Oil (BBL)	Gas (MCF)	Water (BBL	Producing Wells
Dec 1972	2	1601	480	52	1
Year Total		**1601**	**480**	**52**	
Jan 1973	13	18739	6026	103	1
Feb 1973	25	56699	22309	65	1
Mar 1973	1	2520	707	1	1
Jun 1973	6	7959	1923	21	1
Jul 1973	28	67843	18578	82	1
Aug 1973	31	65991	26102	62	1
Sep 1973	30	57620	21261	32	1
Oct 1973	31	55209	24022	167	1
Nov 1973	25	36730	16558	37	1
Dec 1973	31	46971	15455	94	1
Year Total		**416281**	**152941**	**664**	
Jan 1974	24	31756	11335	15	1
Feb 1974	28	38172	10631	29	1
Mar 1974	31	39534	12358	28	1
Apr 1974	30	36274	11791	43	1
May 1974	31	35010	15876	35	1
Jun 1974	26	27260	10162	27	1
Jul 1974	31	30816	11578	8	1
Aug 1974	31	27081	10367	13	1
Sep 1974	30	29134	10391	22	1
Oct 1974	31	29455	10806	15	1
Nov 1974	30	25501	7823	51	1
Dec 1974	31	24757	6701	48	1
Year Total		**374750**	**129819**	**334**	
Jan 1975	31	23947	6255	48	1
Feb 1975	38	20617	8723	402	2
Mar 1975	60	33724	11936	1217	2
Apr 1975	60	30814	12768	1323	2
May 1975	61	29588	11123	1724	2
Jun 1975	57	30454	9634	1231	2
Jul 1975	62	36435	8468	1724	2
Aug 1975	60	32292	7079	1000	2
Sep 1975	30	22520	8424	90	1
Oct 1975	31	23266	7894	151	1
Nov 1975	30	18505	5265	133	1
Dec 1975	31	20111	6271	105	1
Year Total		**322273**	**103840**	**9148**	

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Production History for: BEAVER CREEK, BEAVER CREEK OIL Pool

Jan 1958 Dec 2004

Month	DaysProd	Oil (BBL)	Gas (MCF)	Water (BBL	Producing Wells
Jan 1976	31	19777	6076	96	1
Feb 1976	29	19065	5098	57	1
Mar 1976	55	22877	8240	136	2
Apr 1976	60	27395	7289	112	2
May 1976	62	29208	8074	120	2
Jun 1976	60	27611	8129	108	2
Jul 1976	62	28431	7615	86	2
Aug 1976	61	25228	8716	94	2
Sep 1976	60	26534	7749	107	2
Oct 1976	61	26884	9450	119	2
Nov 1976	42	21551	8047	70	2
Dec 1976	62	27231	10151	88	2
Year Total		**301792**	**94634**	**1193**	
Jan 1977	62	27926	9793	100	2
Feb 1977	56	24362	7697	95	2
Mar 1977	62	25503	8284	118	2
Apr 1977	60	22348	7831	99	2
May 1977	62	23641	5228	104	2
Jun 1977	55	19274	5203	102	2
Jul 1977	58	23996	8151	126	2
Aug 1977	62	23026	7585	111	2
Sep 1977	60	21756	8916	87	2
Oct 1977	62	22651	6752	95	2
Nov 1977	60	20542	7026	89	2
Dec 1977	62	20498	7921	85	2
Year Total		**275523**	**90387**	**1211**	
Jan 1978	62	18939	8171	75	2
Feb 1978	56	17292	7051	69	2
Mar 1978	62	20787	7186	83	2
Apr 1978	60	19833	7009	64	2
May 1978	62	21190	7476	72	2
Jun 1978	60	20569	7388	79	2
Jul 1978	62	20551	7463	82	2
Aug 1978	62	20158	7203	81	2
Sep 1978	47	15238	7930	61	2
Oct 1978	54	16690	4526	67	2
Nov 1978	58	16254	11283	65	2
Dec 1978	62	15315	9466	115	2
Year Total		**222816**	**92152**	**913**	

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Production History for: BEAVER CREEK, BEAVER CREEK OIL Pool

Jan 1958 Dec 2004

Month	DaysProd	Oil (BBL)	Gas (MCF)	Water (BBL	Producing Wells
Jan 1979	62	16276	8771	33	2
Feb 1979	55	18393	7860	77	2
Mar 1979	62	19246	8300	82	2
Apr 1979	57	17941	8384	76	2
May 1979	62	18510	7918	78	2
Jun 1979	60	17993	8369	76	2
Jul 1979	62	17955	7662	76	2
Aug 1979	62	17505	7481	103	2
Sep 1979	60	16175	6855	78	2
Oct 1979	62	17133	7228	82	2
Nov 1979	60	16977	7434	81	2
Dec 1979	62	16736	7240	54	2
Year Total		**210840**	**93502**	**896**	
Jan 1980	62	18545	8554	88	2
Feb 1980	58	17732	7551	84	2
Mar 1980	62	19053	8128	91	2
Apr 1980	60	18462	7855	79	2
May 1980	62	19131	8140	91	2
Jun 1980	60	18444	7627	87	2
Jul 1980	62	18070	7693	86	2
Aug 1980	62	18194	7567	70	2
Sep 1980	60	16780	7126	84	2
Oct 1980	62	17272	7155	29	2
Nov 1980	60	16091	5947	39	2
Dec 1980	62	16548	7413	43	2
Year Total		**214322**	**90756**	**871**	
Jan 1981	62	16219	7266	121	2
Feb 1981	56	13614	6099	14	2
Mar 1981	62	14616	6548	15	2
Apr 1981	60	13987	6266	14	2
May 1981	60	15114	6771	21	2
Jun 1981	54	12757	5715	28	2
Jul 1981	62	14800	6631	20	2
Aug 1981	62	14330	6420	23	2
Sep 1981	60	14644	6561	14	2
Oct 1981	62	16607	7439	128	2
Nov 1981	60	16543	7411	33	2
Dec 1981	62	16454	7371	223	2
Year Total		**179685**	**80498**	**654**	

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Production History for: BEAVER CREEK, BEAVER CREEK OIL Pool

Jan 1958 Dec 2004

Month	DaysProd	Oil (BBL)	Gas (MCF)	Water (BBL	Producing Wells
Jan 1982	62	16484	7385	38	2
Feb 1982	56	15284	6847	36	2
Mar 1982	57	15732	7048	45	2
Apr 1982	60	16219	7266	16	2
May 1982	36	13150	5891	13	2
Jun 1982	60	15743	7180	141	3
Jul 1982	60	14901	6676	23	2
Aug 1982	60	16097	7211	24	2
Sep 1982	60	14675	6574	82	2
Oct 1982	62	14707	6589	171	2
Nov 1982	60	14437	6468	44	2
Dec 1982	62	15049	6742	30	2
Year Total		**182478**	**81877**	**663**	
Jan 1983	62	14781	6622	23	2
Feb 1983	56	13827	6195	25	2
Mar 1983	62	14896	6673	26	2
Apr 1983	60	14920	6684	10	2
May 1983	62	14787	6625	29	2
Jun 1983	60	13997	5672	24	2
Jul 1983	62	15183	9065	7	2
Aug 1983	62	14866	5953	20	2
Sep 1983	60	14305	6715	43	2
Oct 1983	62	13436	7675	20	2
Nov 1983	60	12783	11572	18	2
Dec 1983	62	12509	12883	24	2
Year Total		**170290**	**92334**	**269**	
Jan 1984	62	12193	11885	44	2
Feb 1984	58	11458	9549	35	2
Mar 1984	62	13474	11865	54	2
Apr 1984	60	13323	6070	12	2
May 1984	60	13885	5047	29	2
Jun 1984	60	14317	6912	19	2
Jul 1984	62	14769	5953	33	2
Aug 1984	62	14239	8093	58	2
Sep 1984	60	13029	6064	49	2
Oct 1984	62	13355	7642	51	2
Nov 1984	60	12348	9940	36	2
Dec 1984	62	12678	12002	16	2
Year Total		**159068**	**101022**	**436**	

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Production History for: BEAVER CREEK, BEAVER CREEK OIL Pool

Jan 1958 Dec 2004

Month	DaysProd	Oil (BBL)	Gas (MCF)	Water (BBL	Producing Wells
Jan 1985	62	12216	10359	29	2
Feb 1985	56	11836	10519	18	2
Mar 1985	62	12703	7181	25	2
Apr 1985	60	12158	8382	20	2
May 1985	62	13432	7835	25	2
Jun 1985	60	13295	7999	12	2
Jul 1985	62	13738	8726	25	2
Aug 1985	62	13383	6502	14	2
Sep 1985	60	13006	8709	56	2
Oct 1985	57	11641	6899	70	2
Nov 1985	51	8998	5345	12	2
Dec 1985	60	10067	5334	20	2
Year Total		**146473**	**93790**	**326**	
Jan 1986	62	11019	6322	7	2
Feb 1986	56	10148	5967	26	2
Mar 1986	62	11056	9770	15	2
Apr 1986	60	12269	9789	20	2
May 1986	62	13676	7969	22	2
Jun 1986	60	13165	5497	18	2
Jul 1986	54	12298	4739	39	2
Aug 1986	62	14817	4092	19	2
Sep 1986	60	14296	5962	42	2
Oct 1986	62	15463	6447	17	2
Nov 1986	60	14547	6152	38	2
Dec 1986	62	14748	5604	16	2
Year Total		**157502**	**78310**	**279**	
Jan 1987	58	11927	4464	24	2
Feb 1987	54	11194	4254	23	2
Mar 1987	60	12833	3529	27	2
Apr 1987	60	12573	3457	18	2
May 1987	62	11573	3182	10	2
Jun 1987	60	12304	3384	19	2
Jul 1987	62	12833	3529	14	2
Aug 1987	51	7717	2122	25	2
Sep 1987	60	22127	6296	114	2
Oct 1987	57	23354	6097	84	2
Nov 1987	60	25990	7147	156	2
Dec 1987	53	20659	5682	570	2
Year Total		**185084**	**53143**	**1084**	

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Production History for: BEAVER CREEK, BEAVER CREEK OIL Pool

Jan 1958 Dec 2004

Month	DaysProd	Oil (BBL)	Gas (MCF)	Water (BBL	Producing Wells
Jan 1988	61	14609	4018	55	2
Feb 1988	58	13204	3631	40	2
Mar 1988	60	14090	3875	1473	2
Apr 1988	60	14579	4009	1542	2
May 1988	62	15149	4166	1510	2
Jun 1988	60	14971	4117	1160	2
Jul 1988	62	14679	4037	1611	2
Aug 1988	32	4025	1107	43	2
Sep 1988	22	3024	832	20	1
Oct 1988	43	7068	1944	1357	2
Nov 1988	48	7900	2190	259	2
Dec 1988	59	17290	4755	228	2
Year Total		**140588**	**38681**	**9298**	
Jan 1989	56	13454	3700	95	2
Feb 1989	48	9019	2480	98	2
Mar 1989	60	20733	5702	72	2
Apr 1989	57	22926	6305	132	2
May 1989	59	26009	7152	60	2
Jun 1989	52	22849	6693	82	2
Jul 1989	60	21553	6293	57	2
Aug 1989	60	20787	6034	100	2
Sep 1989	59	14923	4407	92	2
Oct 1989	57	17880	4917	68	2
Nov 1989	60	18867	5188	62	2
Dec 1989	59	18162	4994	86	2
Year Total		**227162**	**63865**	**1004**	
Jan 1990	62	15990	4397	109	2
Feb 1990	54	12371	3402	31	2
Mar 1990	58	18438	5070	74	2
Apr 1990	59	18381	5055	50	2
May 1990	59	18830	5178	78	2
Jun 1990	60	20184	5551	31	2
Jul 1990	60	19940	5483	58	2
Aug 1990	62	19691	5415	49	2
Sep 1990	58	18466	5078	14	2
Oct 1990	61	17198	4729	29	2
Nov 1990	59	16762	4610	12	2
Dec 1990	61	15568	4281	23	2
Year Total		**211819**	**58249**	**558**	

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Production History for: BEAVER CREEK, BEAVER CREEK OIL Pool

Jan 1958 Dec 2004

Month	DaysProd	Oil (BBL)	Gas (MCF)	Water (BBL	Producing Wells
Jan 1991	60	15895	4371	12	2
Feb 1991	56	14556	4003	34	2
Mar 1991	56	13275	3651	30	2
Apr 1991	57	17376	4784	26	2
May 1991	62	18778	5163	57	2
Jun 1991	60	17988	4944	34	2
Jul 1991	61	17491	4811	40	2
Aug 1991	37	13792	3793	18	2
Sep 1991	40	12503	3444	2056	2
Oct 1991	55	15051	4142	105	2
Nov 1991	39	10655	2927	21	2
Dec 1991	45	11680	3212	5	2
Year Total		**179040**	**49245**	**2438**	
Jan 1992	57	15412	4236	0	2
Feb 1992	58	14829	4077	0	2
Mar 1992	62	16027	4407	0	2
Apr 1992	59	14664	4036	0	2
May 1992	62	14430	3967	54	2
Jun 1992	60	14202	3907	62	2
Jul 1992	62	14545	3996	56	2
Aug 1992	62	13722	3774	102	2
Sep 1992	60	14489	3979	74	2
Oct 1992	61	14766	4060	484	2
Nov 1992	60	13631	3748	86	2
Dec 1992	61	14178	3902	3	2
Year Total		**174895**	**48089**	**921**	
Jan 1993	62	13999	3853	4	2
Feb 1993	56	12428	3424	0	2
Mar 1993	62	13364	3671	0	2
Apr 1993	60	12769	3511	0	2
May 1993	49	10761	2960	0	2
Jun 1993	42	11851	3261	0	2
Jul 1993	55	12905	3550	0	2
Aug 1993	44	12575	3461	0	2
Sep 1993	60	12922	3554	0	2
Oct 1993	62	13276	3650	0	2
Nov 1993	58	12887	3542	0	2
Dec 1993	62	13205	3631	0	2
Year Total		**152942**	**42068**	**4**	

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Production History for: BEAVER CREEK, BEAVER CREEK OIL Pool

Jan 1958 Dec 2004

Month	DaysProd	Oil (BBL)	Gas (MCF)	Water (BBL	Producing Wells
Jan 1994	62	12924	3559	0	2
Feb 1994	56	11427	3147	0	2
Mar 1994	61	12420	3417	0	2
Apr 1994	59	12055	3317	0	2
May 1994	62	12292	3376	0	2
Jun 1994	60	11665	3211	0	2
Jul 1994	58	11832	3257	0	2
Aug 1994	62	11768	3235	0	2
Sep 1994	60	10907	2999	0	2
Oct 1994	58	9686	2667	0	2
Nov 1994	58	10930	3006	0	2
Dec 1994	62	11986	3299	0	2
Year Total		**139892**	**38490**	**0**	
Jan 1995	62	11925	3198	0	2
Feb 1995	56	10722	2959	23	2
Mar 1995	62	11711	3267	28	2
Apr 1995	60	10979	3158	130	2
May 1995	62	11430	3143	119	2
Jun 1995	60	11066	3096	169	2
Jul 1995	62	11383	2719	166	2
Aug 1995	62	11384	3216	138	2
Sep 1995	60	10741	2448	209	2
Oct 1995	62	10654	2915	364	2
Nov 1995	52	9895	2562	272	2
Dec 1995	62	10299	2740	385	2
Year Total		**132189**	**35421**	**2003**	
Jan 1996	62	10551	2745	465	2
Feb 1996	58	10293	2809	113	2
Mar 1996	62	10800	2972	41	2
Apr 1996	60	10520	2848	2	2
May 1996	62	10635	2954	9	2
Jun 1996	60	10307	2782	14	2
Jul 1996	62	10598	2745	112	2
Aug 1996	62	10507	2883	48	2
Sep 1996	60	10104	2823	95	2
Oct 1996	62	10409	2896	97	2
Nov 1996	60	10003	2752	83	2
Dec 1996	62	10160	2802	89	2
Year Total		**124887**	**34011**	**1168**	

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Production History for: BEAVER CREEK, BEAVER CREEK OIL Pool

Jan 1958 Dec 2004

Month	DaysProd	Oil (BBL)	Gas (MCF)	Water (BBL	Producing Wells
Jan 1997	62	9825	2752	102	2
Feb 1997	55	8882	2470	134	2
Mar 1997	62	10433	2786	280	2
Apr 1997	60	9817	2637	187	2
May 1997	62	9317	2558	221	2
Jun 1997	60	9451	2658	109	2
Jul 1997	62	10178	2832	341	2
Aug 1997	62	10379	2886	291	2
Sep 1997	60	9905	2778	194	2
Oct 1997	62	10664	2909	93	2
Nov 1997	60	10029	2777	90	2
Dec 1997	62	9839	2720	123	2
Year Total		**118719**	**32763**	**2165**	
Jan 1998	62	9182	2517	42	2
Feb 1998	56	8838	2451	102	2
Mar 1998	62	10044	2808	187	2
Apr 1998	60	9609	2683	205	2
May 1998	62	9963	2773	179	2
Jun 1998	60	6344	2486	415	2
Jul 1998	62	5859	1547	238	2
Aug 1998	62	7404	2021	88	2
Sep 1998	60	8244	2231	64	2
Oct 1998	62	9077	2513	82	2
Nov 1998	60	8924	2440	77	2
Dec 1998	62	9065	2526	123	2
Year Total		**102553**	**28996**	**1802**	
Jan 1999	62	9349	2503	109	2
Feb 1999	56	8608	2217	90	2
Mar 1999	62	9173	2565	319	2
Apr 1999	60	8557	2309	229	2
May 1999	62	8651	2399	215	2
Jun 1999	60	8214	2275	141	2
Jul 1999	62	8784	2382	0	2
Aug 1999	59	7278	2041	0	2
Sep 1999	60	7435	2061	140	2
Oct 1999	62	7383	1975	147	2
Nov 1999	60	8085	2072	114	2
Dec 1999	62	8421	2212	122	2
Year Total		**99938**	**27011**	**1626**	

State of Alaska, Oil and Gas Conservation Commission

Production History for: BEAVER CREEK, BEAVER CREEK OIL Pool

Jan 1958 Dec 2004

Month	DaysProd	Oil (BBL)	Gas (MCF)	Water (BBL	Producing Wells
Jan 2000	62	8406	2241	202	2
Feb 2000	58	7973	2201	13	2
Mar 2000	62	8260	2243	97	2
Apr 2000	60	7676	2103	91	2
May 2000	62	7595	2096	73	2
Jun 2000	60	6805	1873	78	2
Jul 2000	62	7762	2157	92	2
Aug 2000	62	8090	2158	172	2
Sep 2000	60	7736	2152	235	2
Oct 2000	62	6238	2706	195	2
Nov 2000	60	8247	1848	194	2
Dec 2000	62	7508	2078	140	2
Year Total		**92296**	**25856**	**1582**	
Jan 2001	62	7275	1541	90	2
Feb 2001	56	6464	1786	175	2
Mar 2001	62	7080	1967	184	2
Apr 2001	60	6875	1834	196	2
May 2001	62	7085	1641	258	2
Jun 2001	60	6860	1865	256	2
Jul 2001	62	6954	1916	319	2
Aug 2001	62	6940	1867	33	2
Sep 2001	60	6912	1844	220	2
Oct 2001	62	7981	2150	281	2
Nov 2001	60	7205	1301	101	2
Dec 2001	62	6931	1738	568	2
Year Total		**84562**	**21450**	**2681**	
Jan 2002	62	6604	1989	361	2
Feb 2002	56	5775	1884	331	2
Mar 2002	62	5981	2067	47	2
Apr 2002	58	6716	2151	75	2
May 2002	62	6240	1879	296	2
Jun 2002	60	6591	1808	183	2
Jul 2002	62	7490	1757	464	2
Aug 2002	62	7129	1834	787	2
Sep 2002	60	7136	1708	670	2
Oct 2002	62	7047	1931	821	2
Nov 2002	60	6537	2016	674	2
Dec 2002	62	6235	2058	1011	2
Year Total		**79481**	**23082**	**5720**	

State of Alaska, Oil and Gas Conservation Commission

Production History for: BEAVER CREEK, BEAVER CREEK OIL Pool

Jan 1958 Dec 2004

Month	DaysProd	Oil (BBL)	Gas (MCF)	Water (BBL	Producing Wells
Jan 2003	57	6443	2132	490	2
Feb 2003	56	6415	1858	289	2
Mar 2003	62	6855	2115	534	2
Apr 2003	60	5626	1925	338	2
May 2003	62	6525	1984	0	2
Jun 2003	60	6399	1718	0	2
Jul 2003	56	6515	2141	165	2
Aug 2003	62	6601	1644	518	2
Sep 2003	60	5900	1905	621	2
Oct 2003	62	6178	1887	802	2
Nov 2003	60	6101	1798	748	2
Dec 2003	62	6576	1933	304	2
Year Total		**76134**	**23040**	**4809**	
Jan 2004	62	6454	1935	0	2
Feb 2004	58	5899	2739	0	2
Mar 2004	62	5960	2209	623	2
Apr 2004	60	6351	2355	891	2
May 2004	62	6319	1970	2426	2
Jun 2004	60	6125	1736	2094	2
Jul 2004	62	6334	1754	725	2
Aug 2004	62	6349	1929	0	2
Sep 2004	60	6252	1748	0	2
Oct 2004	62	6277	1918	1120	2
Nov 2004	60	5742	1774	551	2
Year Total		**68062**	**22067**	**8430**	
Pool Total		**5,725,937**	**2,041,869**	**65,202**	

State of Alaska, Oil and Gas Conservation Commission

3/11/2005

Production History for: BEAVER CREEK, BEAVER CREEK OIL Pool

API Number	Permit	Well Name	Curr Class	Curr Status	Comp Class	Comp Status	Comp Date	Orig Class	Orig Status	Oil (BBL)	Gas (MCF)	Water (BBL)	Pad/Platform
5013320346000	1811500	BEAVER CK UNIT 6	DEV	2-GAS	DEV	1-GAS	9/5/1982	DEV	1-OIL	159	198	75	**BEAVER_CREEK**
5013320262010	1750550	BEAVER CK UNIT 5RD	DEV	1-OIL	DEV	1-OIL	3/17/1976	DEV	1-OIL	1208707	479011	8359	**BEAVER_CREEK**
5013320262000	1740180	BEAVER CK UNIT 5	DEV	P&A	DEV	1-OIL	3/2/1975	DEV	1-OIL	63464	19480	8265	**BEAVER_CREEK**
5013320239000	1720130	BEAVER CK UNIT 4	DEV	1-OIL	DEV	1-OIL	1/14/1973	EXP	1-OIL	4457737	1545103	49593	**BEAVER_CREEK**
							Pool Total			**5,730,067**	**2,043,792**	**66,292**	

Colville River Unit
Alpine Oil Pool

Permitted Wells

Year	Service			Development			Exploratory		Totals
	New	Sidetrack	Multilateral	New	Sidetrack	Multilateral	New	Sidetrack	
1999	8	0	0	8	0	0	0	0	**16**
2000	5	0	0	13	1	0	0	0	**19**
2001	3	0	0	8	1	0	1	1	**14**
2002	10	1	0	8	0	0	0	0	**19**
2003	12	0	0	5	0	1	0	0	**18**
Totals	**38**	**1**	**0**	**42**	**2**	**1**	**1**	**1**	**86**

State of Alaska, Oil and Gas Conservation Commission

Injection History for: BEAVER CREEK, UNDEFINED WDSP Pool

Month	DaysInj	Liquid (BBL)	Gas (MCF)	Injecting Wells
Jun 1987	10	2567	0	1
Jul 1987	29	18924	0	1
Aug 1987	29	13078	0	1
Sep 1987	26	2452	0	1
Oct 1987	2	313	0	1
Year Total		**37334**	**0**	
Mar 1988	24	9258	0	1
Apr 1988	30	12469	0	1
May 1988	31	10335	0	1
Jun 1988	29	11773	0	1
Jul 1988	16	5673	0	1
Sep 1988	1	77	0	1
Year Total		**49585**	**0**	
Mar 1989	23	4875	0	1
Apr 1989	2	431	0	1
Oct 1989	4	6256	0	1
Nov 1989	3	373	0	1
Dec 1989	5	1084	0	1
Year Total		**13019**	**0**	
Jan 1990	28	4448	0	1
Feb 1990	27	2187	0	1
Mar 1990	30	3211	0	1
Apr 1990	26	3225	0	1
May 1990	16	2241	0	1
Jun 1990	14	1628	0	1
Jul 1990	13	1984	0	1
Aug 1990	13	1264	0	1
Sep 1990	23	3456	0	1
Oct 1990	17	1730	0	1
Nov 1990	26	1964	0	1
Dec 1990	13	1634	0	1
Year Total		**28972**	**0**	
Jan 1991	14	1640	0	1
Feb 1991	20	2245	0	1
Mar 1991	31	3280	0	1
Apr 1991	30	7618	0	1
May 1991	28	2957	0	1
Jun 1991	30	3468	0	1
Jul 1991	30	3066	0	1
Aug 1991	31	4451	0	1
Sep 1991	29	7606	0	1
Oct 1991	29	3010	0	1
Nov 1991	27	3348	0	1
Dec 1991	30	4769	0	1
Year Total		**47458**	**0**	

State of Alaska, Oil and Gas Conservation Commission

Injection History for: BEAVER CREEK, UNDEFINED WDSP Pool

Month	DaysInj	Liquid (BBL)	Gas (MCF)	Injecting Wells
Jan 1992	29	8150	0	1
Feb 1992	29	10431	0	1
Mar 1992	31	9883	0	1
Apr 1992	30	2864	0	1
May 1992	14	1780	0	1
Jun 1992	15	2885	0	1
Jul 1992	14	1758	0	1
Aug 1992	25	3449	0	1
Sep 1992	23	2742	0	1
Oct 1992	27	5152	0	1
Nov 1992	30	5581	0	1
Dec 1992	31	6150	0	1
Year Total		**60825**	**0**	
Jan 1993	31	7243	0	1
Feb 1993	28	7127	0	1
Mar 1993	26	6424	0	1
Apr 1993	12	1632	0	1
May 1993	17	2109	0	1
Jun 1993	11	1530	0	1
Jul 1993	18	2425	0	1
Aug 1993	15	1665	0	1
Sep 1993	16	2265	0	1
Oct 1993	18	2216	0	1
Nov 1993	13	1393	0	1
Dec 1993	9	985	0	1
Year Total		**37014**	**0**	
Jan 1994	20	2585	0	1
Feb 1994	25	3716	0	1
Mar 1994	16	2033	0	1
Apr 1994	9	1232	0	1
May 1994	8	1072	0	1
Jun 1994	11	1098	0	1
Jul 1994	10	1373	0	1
Aug 1994	11	1104	0	1
Sep 1994	5	676	0	1
Oct 1994	16	2023	0	1
Nov 1994	12	972	0	1
Dec 1994	14	1219	0	1
Year Total		**19103**	**0**	

State of Alaska, Oil and Gas Conservation Commission

Injection History for: BEAVER CREEK, UNDEFINED WDSP Pool

Month	DaysInj	Liquid (BBL)	Gas (MCF)	Injecting Wells
Jan 1995	31	1109	0	1
Feb 1995	11	839	0	1
Mar 1995	8	1000	0	1
Apr 1995	9	769	0	1
May 1995	12	1193	0	1
Jun 1995	21	1387	0	1
Jul 1995	22	1339	0	1
Aug 1995	17	1016	0	1
Sep 1995	16	856	0	1
Oct 1995	31	3838	0	1
Nov 1995	21	2325	0	1
Dec 1995	31	3689	0	1
Year Total		**19360**	**0**	
Jan 1996	18	1816	0	1
Feb 1996	29	1908	0	1
Mar 1996	12	1016	0	1
Apr 1996	2	88	0	1
Jun 1996	1	68	0	1
Jul 1996	4	555	0	1
Aug 1996	9	187	0	1
Sep 1996	7	428	0	1
Oct 1996	4	372	0	1
Nov 1996	3	278	0	1
Dec 1996	7	343	0	1
Year Total		**7059**	**0**	
Jan 1997	13	716	0	1
Feb 1997	7	322	0	1
Mar 1997	18	349	0	1
Apr 1997	14	443	0	1
May 1997	9	370	0	1
Jun 1997	4	184	0	1
Jul 1997	7	500	0	1
Aug 1997	10	792	0	1
Sep 1997	12	875	0	1
Oct 1997	5	403	0	1
Nov 1997	13	884	0	1
Dec 1997	13	1813	0	1
Year Total		**7651**	**0**	

State of Alaska, Oil and Gas Conservation Commission

Injection History for: BEAVER CREEK, UNDEFINED WDSP Pool

Month	DaysInj	Liquid (BBL)	Gas (MCF)	Injecting Wells
Jan 1998	9	775	0	1
Feb 1998	9	743	0	1
Mar 1998	6	444	0	1
Apr 1998	7	413	0	1
May 1998	6	420	0	1
Jun 1998	13	1069	0	1
Jul 1998	9	616	0	1
Aug 1998	9	745	0	1
Sep 1998	9	799	0	1
Oct 1998	10	1040	0	1
Nov 1998	11	975	0	1
Dec 1998	14	1182	0	1
Year Total		**9221**	**0**	
Jan 1999	12	1048	0	1
Feb 1999	11	865	0	1
Mar 1999	13	1052	0	1
Apr 1999	6	434	0	1
May 1999	9	439	0	1
Jun 1999	8	447	0	1
Jul 1999	12	1110	0	1
Aug 1999	15	1158	0	1
Sep 1999	12	741	0	1
Oct 1999	19	1034	0	1
Nov 1999	15	942	0	1
Dec 1999	17	1069	0	1
Year Total		**10339**	**0**	
Jan 2000	24	1650	0	1
Feb 2000	20	1407	0	1
Mar 2000	17	1216	0	1
Apr 2000	14	715	0	1
May 2000	24	1285	0	1
Jun 2000	18	1356	0	1
Jul 2000	23	1612	0	1
Aug 2000	18	1570	0	1
Sep 2000	16	887	0	1
Oct 2000	22	1336	0	1
Nov 2000	20	1499	0	1
Dec 2000	19	1386	0	1
Year Total		**15919**	**0**	

State of Alaska, Oil and Gas Conservation Commission

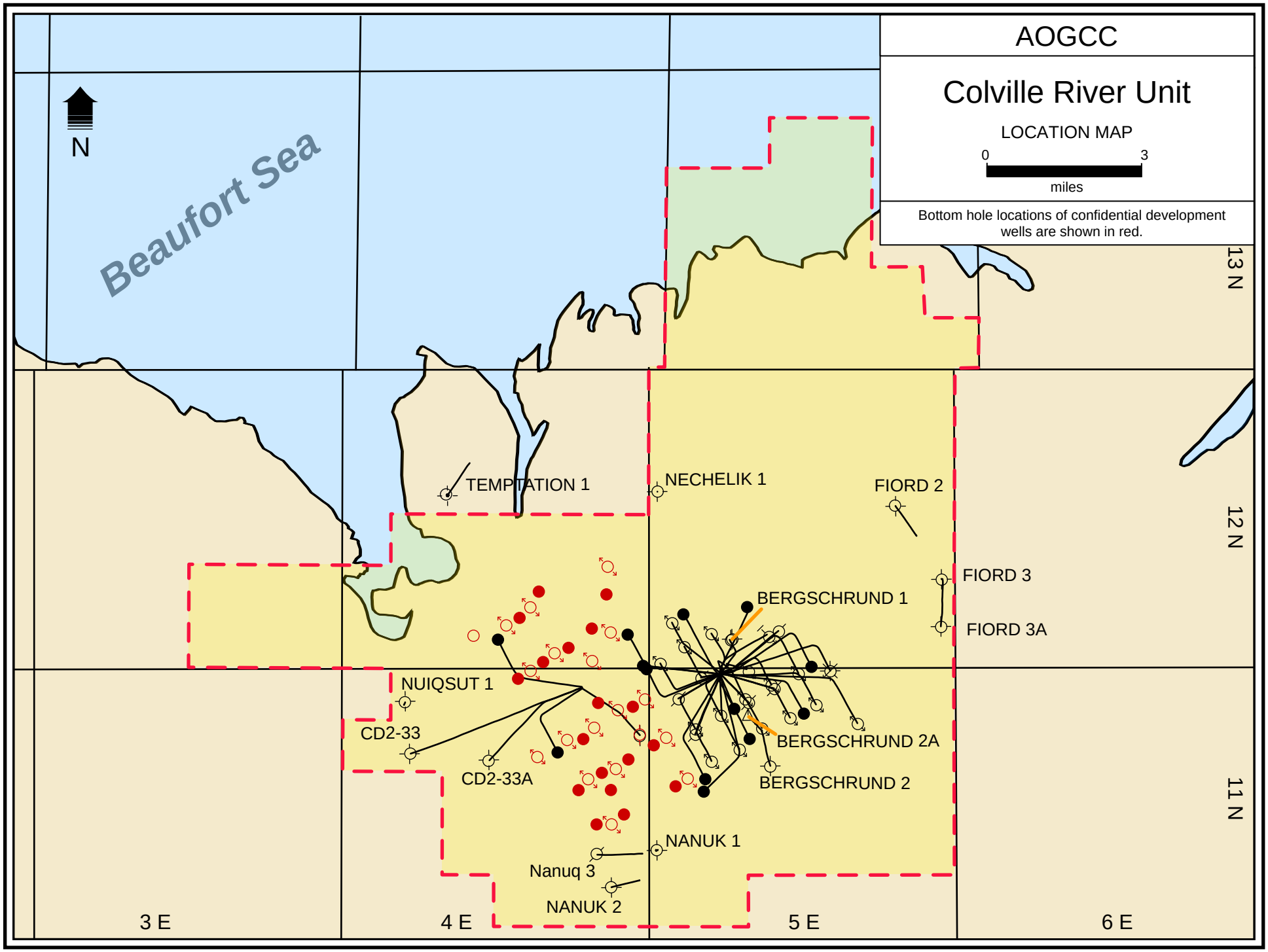
Injection History for: BEAVER CREEK, UNDEFINED WDSP Pool

Month	DaysInj	Liquid (BBL)	Gas (MCF)	Injecting Wells
Jan 2001	18	1367	0	1
Feb 2001	19	1341	0	1
Mar 2001	21	1750	0	1
Apr 2001	21	1634	0	1
May 2001	22	1711	0	1
Jun 2001	17	1388	0	1
Jul 2001	24	2015	0	1
Aug 2001	24	1839	0	1
Sep 2001	23	1846	0	1
Oct 2001	26	2191	0	1
Nov 2001	8	1439	0	1
Dec 2001	9	2563	0	1
Year Total		**21084**	**0**	
Jan 2002	9	1625	0	1
Feb 2002	25	2511	0	1
Mar 2002	14	2447	0	1
Apr 2002	3	2085	0	1
May 2002	3	1702	0	1
Jun 2002	3	2324	0	1
Jul 2002	5	2364	0	1
Aug 2002	7	3118	0	1
Sep 2002	3	1999	0	1
Oct 2002	4	2129	0	1
Nov 2002	5	2126	0	1
Dec 2002	4	2770	0	1
Year Total		**27200**	**0**	
Jan 2003	6	3017	0	1
Feb 2003	7	3270	0	1
Mar 2003	4	2199	0	1
Apr 2003	4	2216	0	1
May 2003	5	2375	0	1
Jun 2003	7	2023	0	1
Jul 2003	8	2063	0	1
Aug 2003	8	2571	0	1
Sep 2003	5	2501	0	1
Oct 2003	5	3801	0	1
Nov 2003	9	7673	0	1
Dec 2003	8	5696	0	1
Year Total		**39405**	**0**	

State of Alaska, Oil and Gas Conservation Commission

Injection History for: BEAVER CREEK, UNDEFINED WDSP Pool

Month	DaysInj	Liquid (BBL)	Gas (MCF)	Injecting Wells
Jan 2004	9	6607	0	1
Feb 2004	9	7180	0	1
Mar 2004	12	9938	0	1
Apr 2004	5	5144	0	1
May 2004	10	6502	0	1
Jun 2004	8	6703	0	1
Jul 2004	9	6696	0	1
Aug 2004	11	8545	0	1
Sep 2004	13	9258	0	1
Oct 2004	11	8693	0	1
Nov 2004	6	3552	0	1
Year Total		**78818**	**0**	
Pool Total		**529,366**	**0**	


AOGCC
Colville River Unit
LOCATION MAP
0
3
miles
Bottom hole locations of confidential development wells are shown in red.
N
Beaufort Sea
13 N
12 N
11 N
3 E
4 E
5 E
6 E
TEMPTATION 1
NECHELIK 1
FIORD 2
FIORD 3
FIORD 3A
BERGSCHRUND 1
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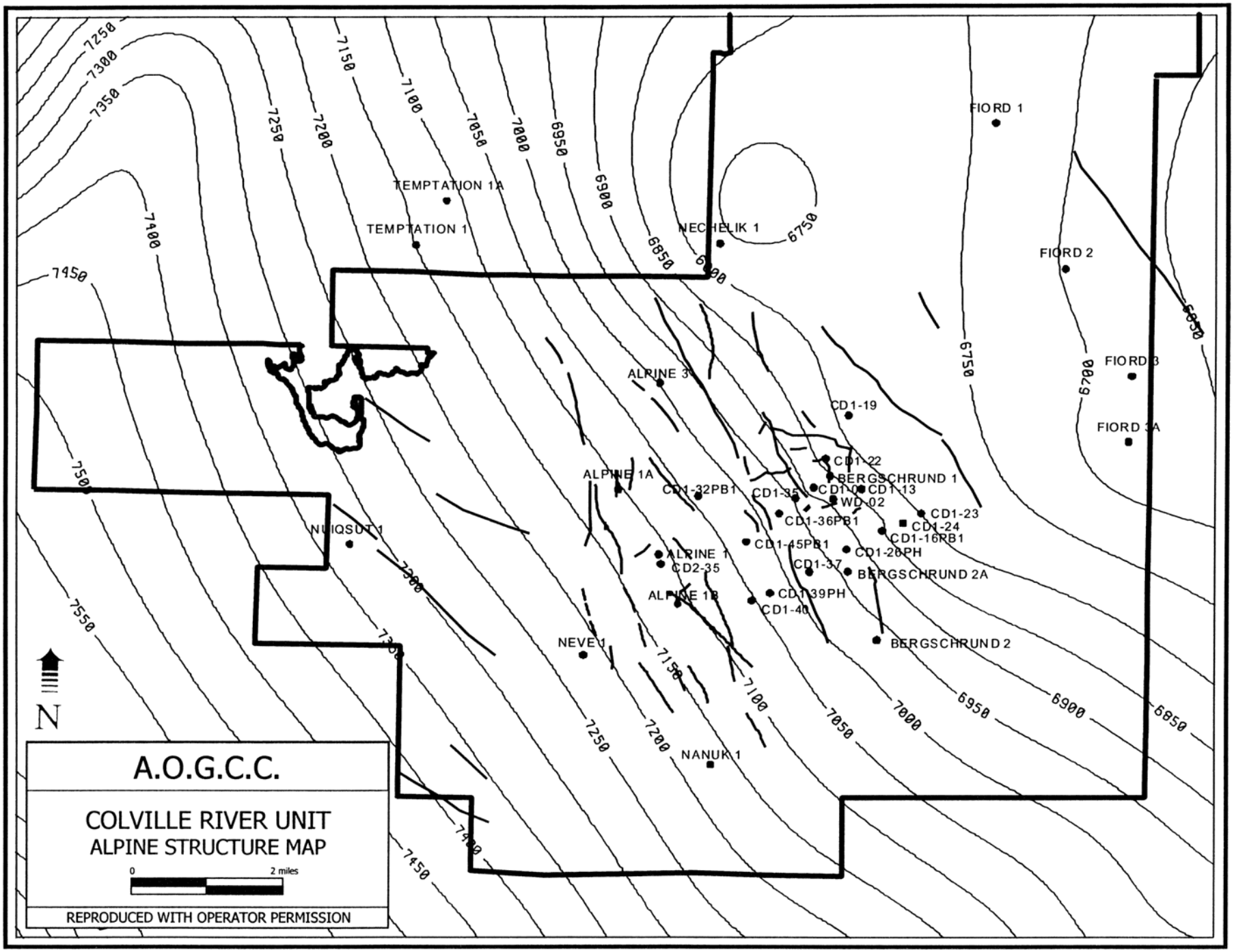
BERGSCHRUND 2
NUIQSUT 1
CD2-33
CD2-33A
NANUK 1
Nanuq 3
NANUK 2


A.O.G.C.C.
COLVILLE RIVER UNIT
ALPINE STRUCTURE MAP
0
2 miles
REPRODUCED WITH OPERATOR PERMISSION
N
FIORD 1
FIORD 2
FIORD 3
FIORD 3A
TEMPTATION 1A
TEMPTATION 1
NECHELIK 1
ALPINE 3
ALPINE 1A
NUIQSUT 1
ALPINE 1
CD2-35
ALPINE 1B
NEVE 1
NANUK 1
CD1-19
CD1-22
BERGSCHRUND 1
CD1-13
WD-02
CD1-23
CD1-24
CD1-16RB1
CD1-32PB1
CD1-35
CD1-36PB1
CD1-45PB1
CD1-28PH
CD1-37
BERGSCHRUND 2A
CD1-39PH
CD1-40
BERGSCHRUND 2
7250
7300
7350
7400
7450
7550
7150
7100
7050
7000
6950
6900
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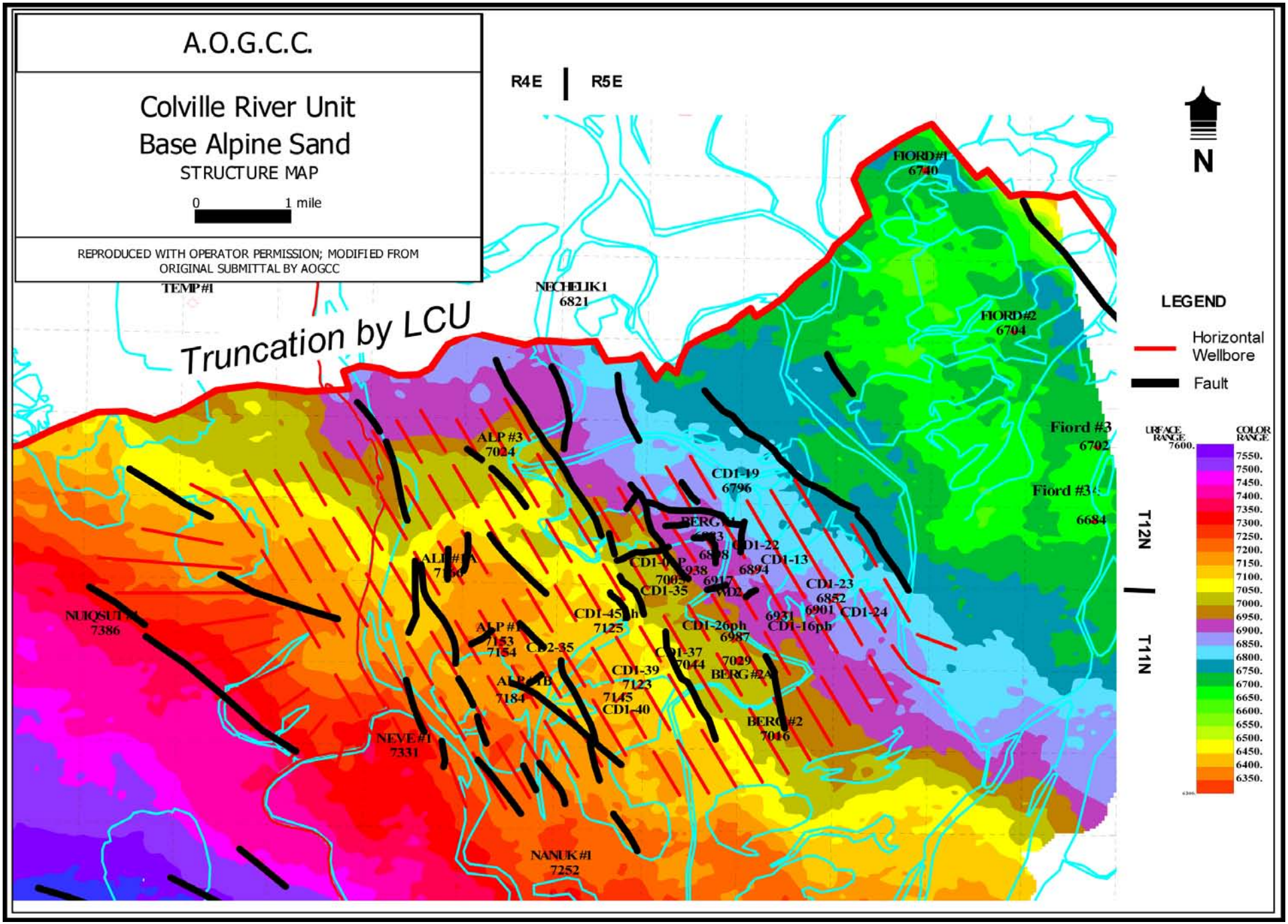
6800
6750
6700
6650


A.O.G.C.C.
Colville River Unit
Base Alpine Sand
STRUCTURE MAP
0
1 mile
REPRODUCED WITH OPERATOR PERMISSION; MODIFIED FROM ORIGINAL SUBMITTAL BY AOGCC
R4E
R5E
N
Truncation by LCU
TEMP#1
NECHELIK1
6821
FIORD#1
6740
FIORD#2
6704
Fiord #3
6702
Fiord #3
6684
ALP #3
7024
CD1-19
6796
CD1-22
6894
CD1-13
CD1-23
6852
6901
CD1-24
6931
CD1-16ph
CD1-35
CD1-45ph
7125
CD1-26ph
6987
CD2-35
CD1-37
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7029
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7123
7145
CD1-40
BERG#2
7016
NUIQSUT#1
7386
NEVE #1
7331
NANUK#1
7252
T12N
T11N
LEGEND
Horizontal Wellbore
Fault
SURFACE RANGE
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COLOR RANGE
7550.
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7450.
7400.
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7300.
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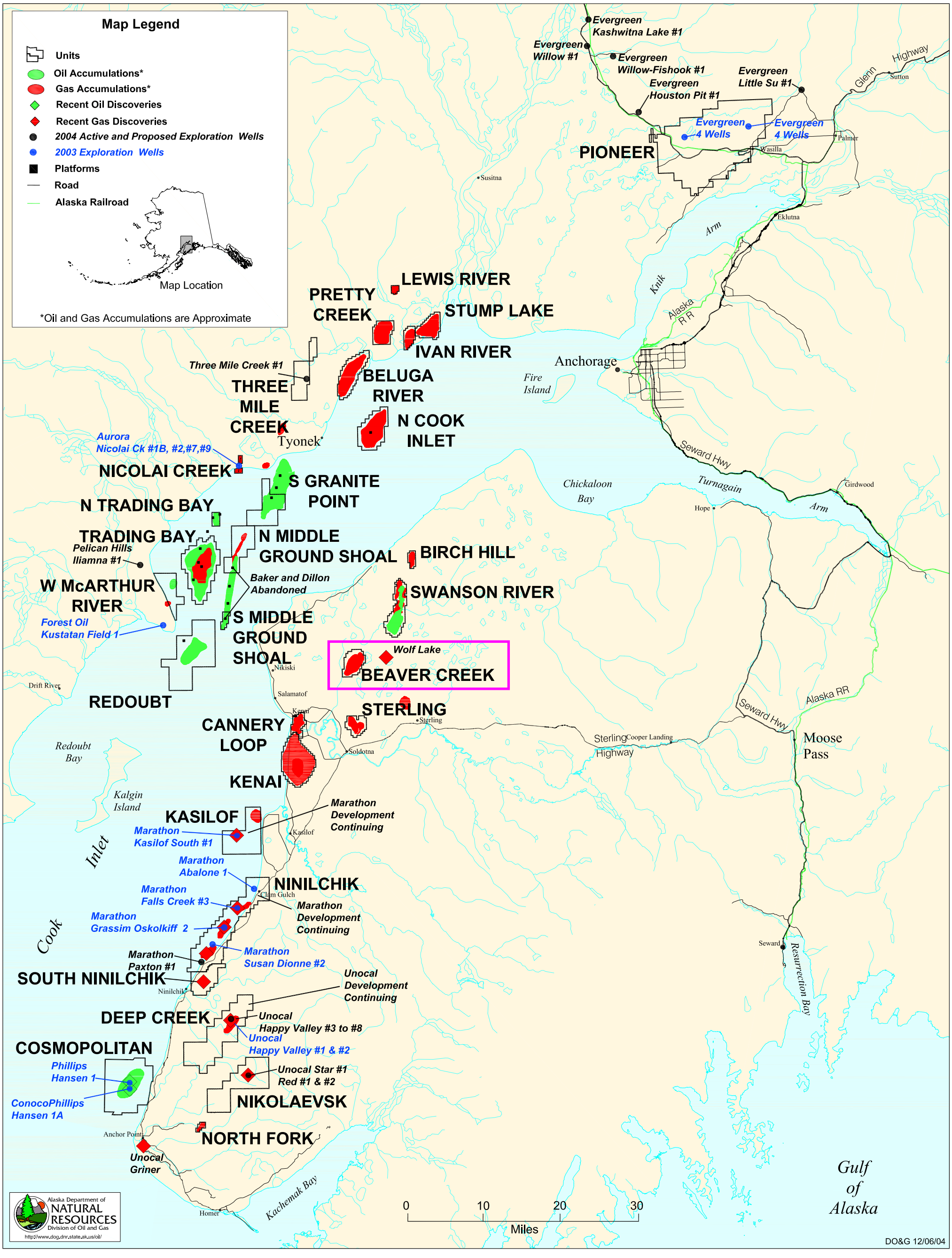
Cook Inlet Oil & Gas Activity & Discoveries
December 2004



Beaver Creek Unit No. 4

API 50-133-20239-00
PTD 172-013

Schlumberger

DUAL INDUCTION - LATEROLOG

COMPANY MARATHON OIL CO.
WELL BEAVER CREEK UNIT #4
FIELD or LOCATION BEAVER CREEK
COUNTY KENAI

COMPANY MARATHON OIL COMPANY
WELL BEAVER CREEK UNIT #4
FIELD BEAVER CREEK
COUNTY KENAI STATE ALASKA

LOCATION 1700'S. & 660'E. OF N.E. CORNER
Other Services: FDC-GR, BHC-CNL-GR, HRD

Sec. 33 Twp. 7N Rge. 10W

RECEIVED FEB 13 1973 DIVISION OF OIL AND GAS ANCHORAGE
CONFIDENTIAL

Permanent Datum: GL, Elev. 144.8'
Log Measured From KB, 19.2 Ft. Above Perm. Datum
Drilling Measured From KB
Elev.: K.B. 164 D.F. G.L. 144.8

Date	6/29/72	9/11/72	10/18/72	11/23/72
Run No.	ONE	TWO	THREE	FOUR
Depth—Driller	5761	12542	15350	15940
Depth—Logger	5749	12534	15338	15938
Btm. Log Interval	5743	12528	15332	15928
Top Log Interval	2986	5700	12508	14700
Casing—Driller	13 3/8 @2989	13 3/8 @ 2989	9 5/8 @ 12521	9 5/8 @12520
Casing—Logger	2986		12508	
Bit Size	12 1/4	12 1/4	8 1/2	8 3/8
Type Fluid in Hole	AQUAGEL	Q BROXIN	INVERMUL	INVERT OIL
Dens. / Visc.	11.3 / 54	11.4 / 50	12.8 / 53	12.9 / 60
pH / Fluid Loss	9 / 5.8 ml	10 / 4.2 ml	-- / 2.6 ml	-- / 2.6 ml
Source of Sample	FLOWLINE	FLOWLINE	FLOWLINE	FLOWLINE
Rm @ Meas. Temp.	3.2 @ 71°F	.92 @ 89°F	-- @ -- °F	-- @ -- °F
Rmf @ Meas. Temp.	3 @ 68°F	.94 @ 70°F	-- @ -- °F	-- @ -- °F
Rmc @ Meas. Temp.	3.83 @ 60°F	1.42 @ 68°F	-- @ -- °F	-- @ -- °F
Source: Rmf / Rmc	M / M	M / M	-- / --	-- / --
Rm @ BHT	2.3 @ 100°F	@ °F	-- @ -- °F	-- @ -- °F
Time Since Circ.	5 HOURS	11 HOURS	11 HOURS	14 HOURS
Max. Rec. Temp.	100 °F	°F	-- °F	-- °F
Equip. / Location	324 / 4612	324 / 4612	324 / 4612	334 / 4612
Recorded By	BYRD	BYRD	HAWKINS	BYRD-HAWKINS
Witnessed By	ATCHISON	ATCHISON	HILES	ATCHISON

FOLD HERE The well name, location and borehole reference data were furnished by the customer.

REMARKS

Changes in Mud Type or Additional Samples				
Date / Sample No.				
Depth—Driller				
Type Fluid in Hole				
Dens. / Visc.				
ph / Fluid Loss		ml		
Source of Sample				
Rm @ Meas. Temp.	@	°F	@	°F
Rmf @ Meas. Temp.	@	°F	@	°F
Rmc @ Meas. Temp.	@	°F	@	°F
Source: Rmf / Rmc				
Rm @ BHT	@	°F	@	°F
Rmf @ BHT	@	°F	@	°F
Rmc @ BHT	@	°F	@	°F

Scale Changes			
Type Log	Depth	Scale Up Hole	Scale Down Hole

Equipment Data			
Run No.	Tool Type	Tool Position	Other

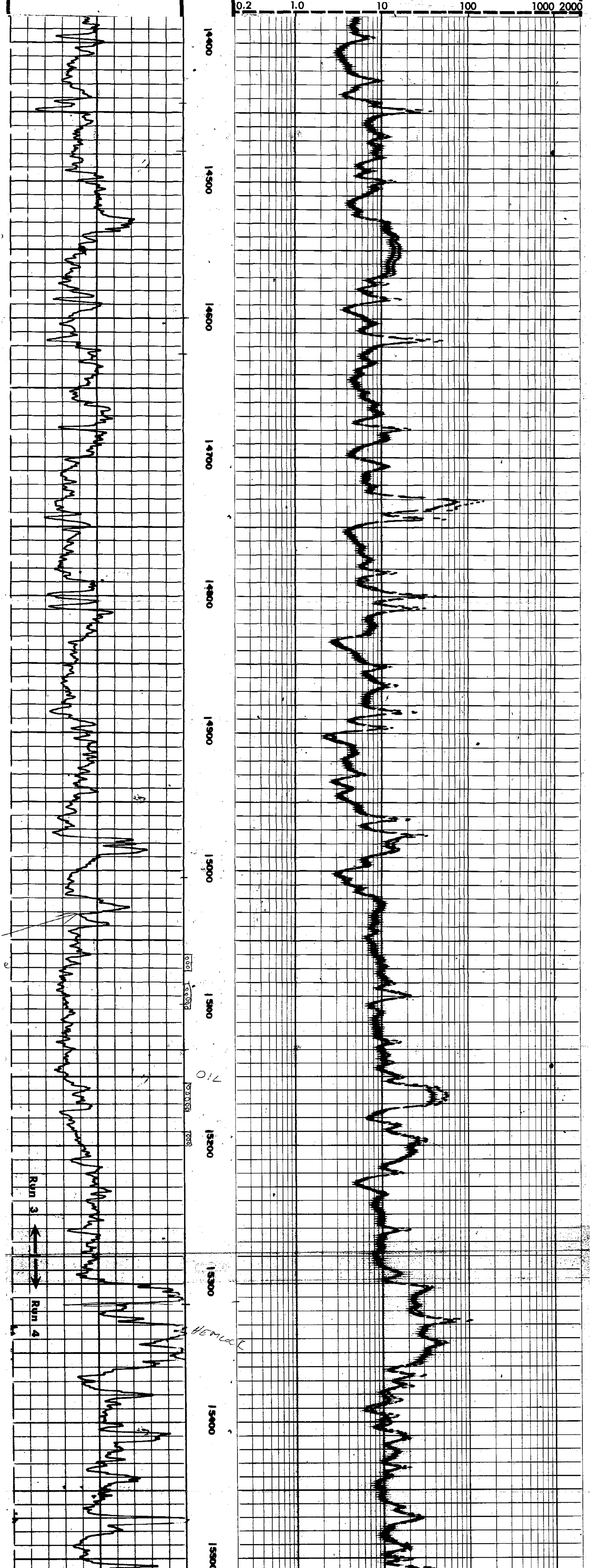
Run No.	ONE	TWO	THREE	FOUR
C.D.	4 FIN RUBBER	4 FIN RUBBER	--	4 FIN RUBBER
S.O.	1.5"	1.5"	--	1.5"
Equip. PANEL No.	DIP-C 212	DIP-CB 136	DIP-C 211 SGH-T 207	DIP-CB 136
Used: CART. No.	DIC-B 121	DIC-B 148	DIC-B 148	DIC-B 115
SONDE No.	DIS-DB 90	DIS-DB 31	DIS-DB-31	DIS-DB 56
IAP No.	MMP-B 327	MMP-B 326	MMP-B 327	MMP-B 267
S.B.R.	2	2	2	2

SP SHIFT AT 8810

THREE: G.R. BACKGROUND 50, G.R. TOTAL 450
FOUR: ECH KG 93, GR BG 80, GR PILL 500, TC 2 1800 FPH

Check one, filling in blanks where applicable:
☒ Surface determined sonde errors used for ILM and ILD.
☐ ILM and ILD sonde errors corrected for ___ inch borehole signal at Rm=
☐ ILM and ILD zeros set in hole at depth of ___ feet.

GAMMA RAY API units	DEPTHS	RESISTIVITY ohms. m²/m
0 — 100		LATEROLOG – 8: 0.2, 1.0, 10, 100, 1000 2000
100 — 200		MEDIUM INDUCTION LOG: 0.2, 1.0, 10, 100, 1000 2000
		DEEP INDUCTION LOG: 0.2, 1.0, 10, 100, 1000 2000



GAMMA RAY API units	DEPTHS	RESISTIVITY ohms – m²/m
0 — 100		LATEROLOG – 8: 0.2, 1.0, 10, 100, 1000 2000
100 — 200		MEDIUM INDUCTION LOG: 0.2, 1.0, 10, 100, 1000 2000
		DEEP INDUCTION LOG: 0.2, 1.0, 10, 100, 1000 2000

COMPANY MARATHON OIL COMPANY
WELL BEAVER CREEK UNIT #4
FIELD BEAVER CREEK
COUNTY KENAI STATE ALASKA

SCHL. FR 15928
SCHL. TD 15938
DRLR TD 15940
Elev: KB 164
DF
GL 144.8

CALIBRATION DATA

BEAVER CREEK, BEAVER CREEK OIL

Reference List

Alaska Oil and Gas Conservation Commission, 1988, Beaver Creek Field, Sterling Gas Pool, Beluga Gas Pool, Beaver Creek Oil Pool, Conservation Order No. 237

Alaska Oil and Gas Conservation Commission, 2004, Production Database

Jones, D.L., 1986, Beaver Creek Area, State of Alaska - Proposed Field and Pool Regulations and Classification, in Alaska Oil and Gas Conservation Commission Conservation Order No. 237, p. 8 - 19.

Beaver Creek Oil Pool

Summary

The Beaver Creek Oil Pool was discovered in 1972 by the Beaver Creek Unit No. 4 well and developed with four wells drilled between 1972 to 1981. Regular production began in January 1973, and peaked at 2,188 barrels of oil per day during July 1973. At the end of 2004, the production from the pool averaged 186 barrels of oil and 23 barrels of water per day. Production from the pool has been dominated by Beaver Creek Unit No. 4, which has produced a total of 4,455,577 barrels of oil. The other major producer is Beaver Creek Unit No. 5RD, which has produced 1,206,737 barrels of oil. Beaver Creek Unit No. 5 and No. 6 have been minor producers.[1]

Geology

The Beaver Creek oil pool is the accumulation of oil that is common to, and correlates with, the accumulation present in the Beaver Creek Unit No. 4 well between the measured depths of 14,518 feet and 15,874 feet.[2] This oil pool comprises reservoir sandstone and conglomeratic sandstone assigned to the Tyonek G-Zone and the Hemlock Formation. These sediments are fluvial in origin, and were deposited as valley-fill and or within floodplains. The Beaver Creek Oil Pool accumulation lies at the crest of a nearly circular anticline, which is slightly elongate in a north-south direction. The accumulation is bound by to the east by a north-south trending fault, and by dip closure to the north, west, and south. The crest of the anticline lies approximately 14,500 feet below sea level. Pressure transient analysis of DST data indicates the Hemlock has an effective permeability of 0.5 md, and the G-Zone has an effective permeability of about 75 md. Oil gravity in the G-Zone is approximately 34 to 35 degrees API, and viscosity is approximately 0.7 centipoise.[3]

SFD
Revised September 1, 2005

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[1] Alaska Oil and Gas Conservation Commission, 2004, Production Database
[2] Alaska Oil and Gas Conservation Commission, 1988, Beaver Creek Field, Sterling Gas Pool, Beluga Gas Pool, Beaver Creek Oil Pool, Conservation Order No. 237
[3] Jones, D.L., 1986, Beaver Creek Area, State of Alaska - Proposed Field and Pool Regulations and Classification, in Conservation Order 237 File, p. 8 - 19.

BEAVER CREEK FIELD

No Pool

Current Orders

Order No.		AA	Operator	Date	Description	Current
CO	524	0		20-Jul-04	Order adopting rules regulating sustained annulus pressures.	Y
CO	408	0	MARATHON OIL	15-Jan-98	Denial of Marathon request to exempt field from req. of 20 AAC 25.280.	Y
DIO	8	0	MARATHON OIL	13-May-93	Disposal of oil field waste by underground injection in Beaver Creek Unit 3 well.	Y
DIO	4	0	MARATHON OIL	01-Jun-87	Disposal of oil field wastes by underground injection in Beaver Creek Unit 2 well.	Y

BEAVER CREEK FIELD
BEAVER CREEK OIL POOL

Current Orders

Order No.		AA	Operator	Date	Description	Current
CO	534	0	MARATHON OIL	04-Oct-04	Order re: Waiver of Certain Wellhead Equipment Requirement of 20 AAC 25.200 for Beaver Creek Field Wells.	Y
CO	237	0	MARATHON OIL	05-Aug-88	Pool rules for Beaver creek field. Sterling Gas Pool, Beluga Gas Pool, and Beaver Creek Oil Pool.	Y

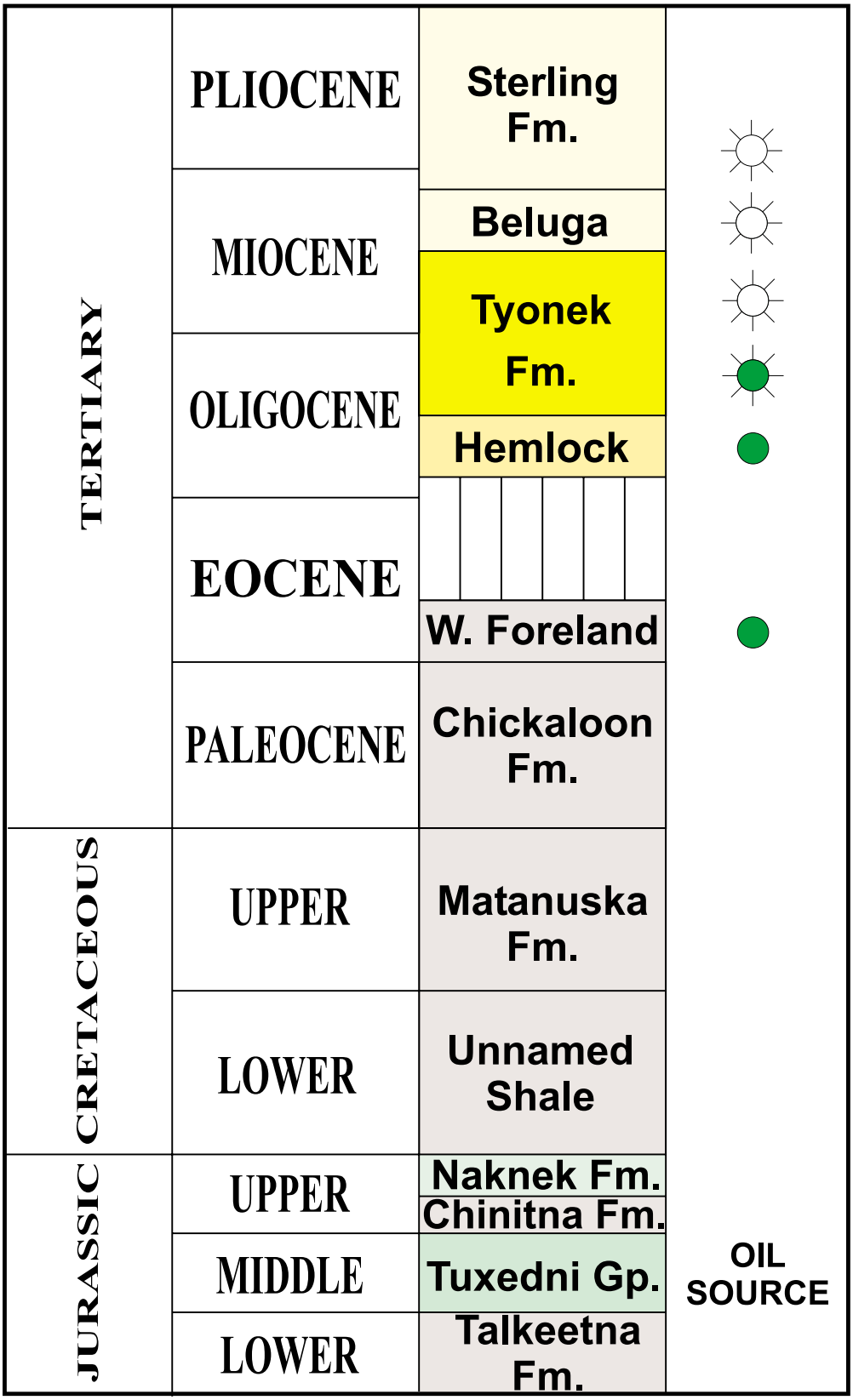
BEAVER CREEK FIELD

No Pool

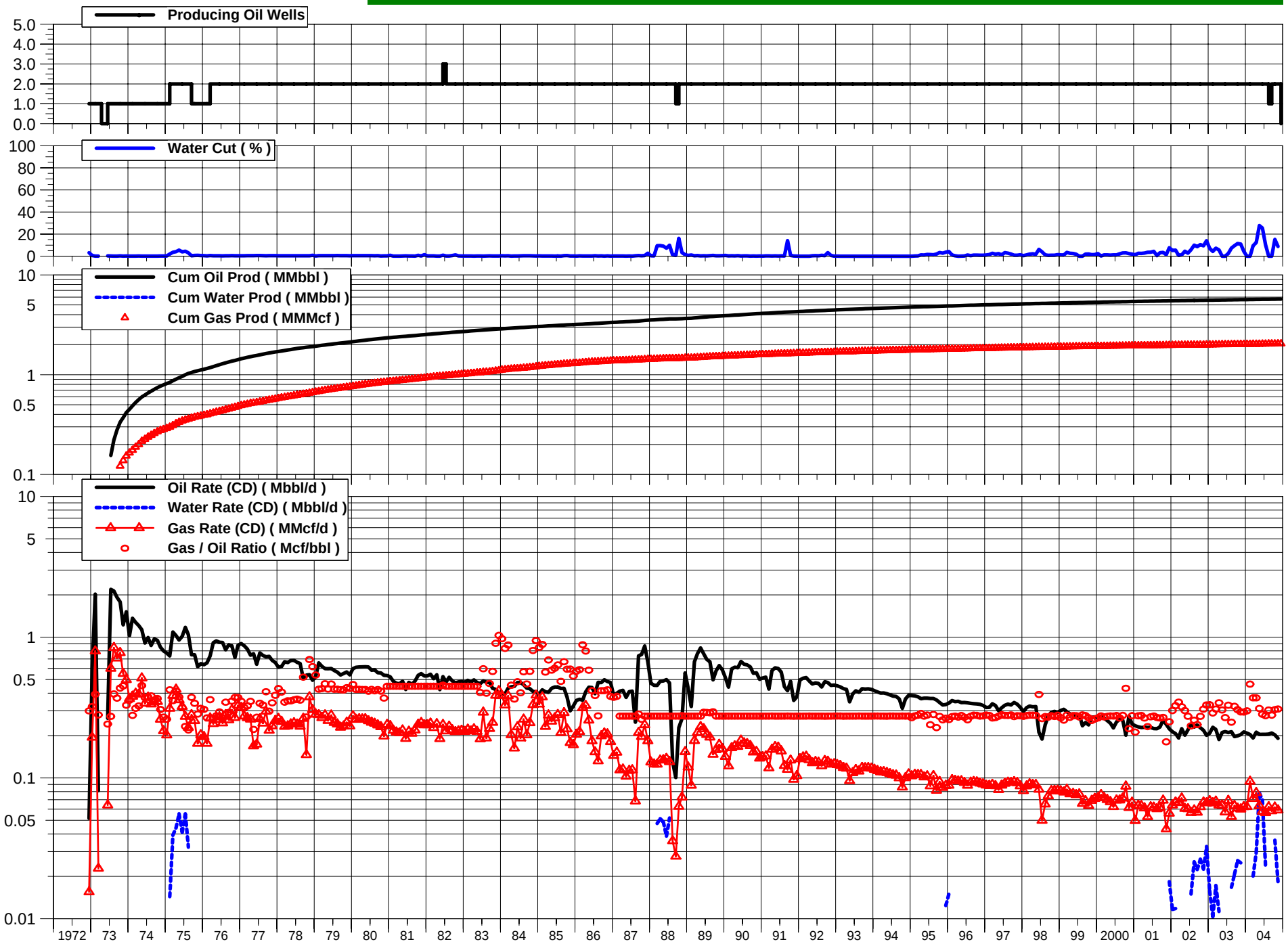
Spacing Exception Orders

Order No.		AA	Operator	Date	Description	Current
CO	521	0	MARATHON OIL	20-Jul-04	Spacing Exception Beaver Creek Unit #14.	Y
CO	498	0	MARATHON OIL	07-Oct-03	Spacing Exception for the drilling of the Beaver Creek Unit No. 13 gas development well.	Y
CO	490	0	MARATHON OIL	29-Apr-03	Spacing Exception. Beaver Creek Unit No 3 Deepen.	Y

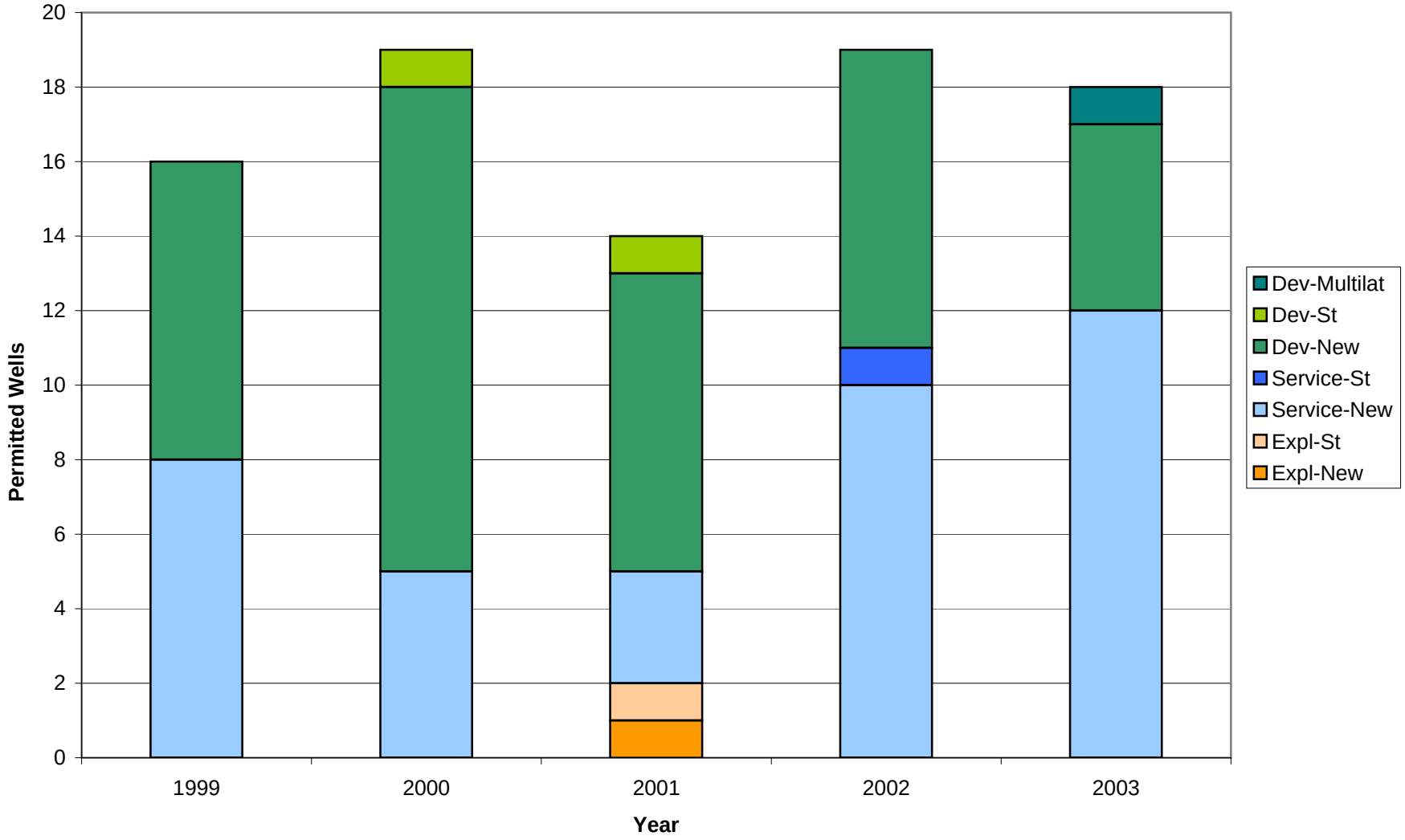
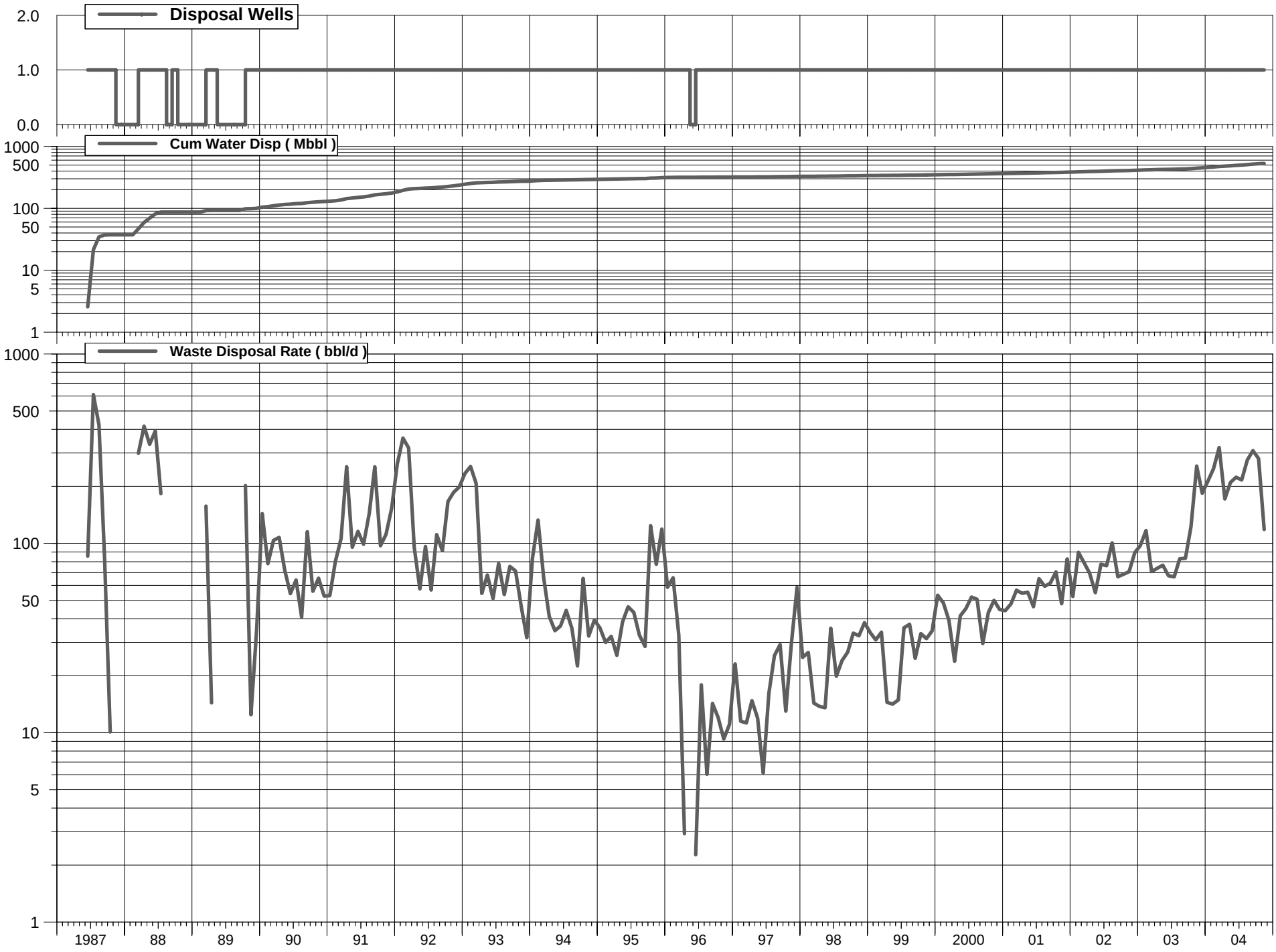
Cook Inlet Generalized Stratigraphic Column



BEAVER CREEK FIELD, BEAVER CREEK OIL POOL



Alpine Oil Pool - Permitted Wells



BEAVER CREEK FIELD, UNDEFINED WASTE DISPOSAL POOL