AOGCC Pool Statistics

Badami Unit, Badami Oil Pool

Operator: BP Exploration Alaska, Inc.

Discovery Well: Conoco Inc.

Badami No. 1

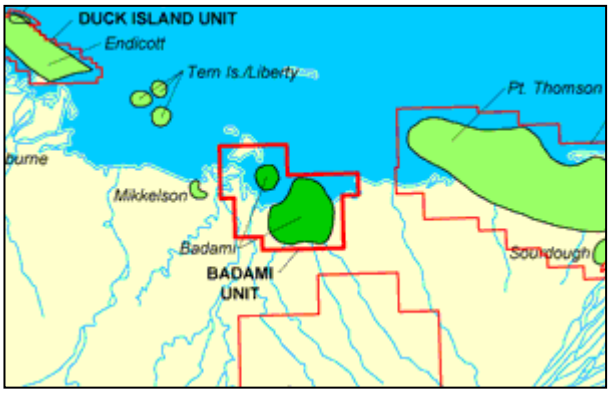
Permit #189-117

API No. 50-029-22017-00-00

Sec. 09, T09N, R20E, UM

Depth: 13,595' MD / 12,911' TVD

March 7, 1990



DNR/DOG/AOGCC 2004

Status: **Shut-in**

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

Orders: Complete List

Summary: The Badami Oil Pool was discovered in 1990, and developed through a drilling program lasting from 1997 to 1998. The pool has now been penetrated by 19 well bores, most of which are clustered near the center of the Badami Unit. There are 8 additional wells that lie inside of, or within 4 miles of, the unit boundaries. The pool began regular production on August 23, 1998, and peaked at average rate of 7,450 barrels per day during September 1998. However, production rapidly declined to 3,300 barrels per day by January 1999, and the field was shut in from February 4 through April 30, 1999. After facilities were upgraded and remediated, production was restarted on May 1, 1999 and jumped to an average of nearly 5,300 barrels per day during July of 1999. However, by year-end 1999, production declined to an average of less than 3,000 barrels per day, and by July 2003 it averaged less than 1,300 barrels per day from six wells. In August, 2003, the Regulatory Commission of Alaska approved BP's request to temporarily shut down the Badami oil pipeline and gas products pipeline for approximately two years. BP shut-in production and placed the facilities in "warm shutdown" that same month.

Geology: The Badami reservoir consists of a series of turbidite sandstones assigned to the Tertiary-aged Canning Formation. These sandstones were deposited as amalgamated channel sands within mud-dominated submarine fan systems. Published descriptions suggest the reservoirs are complex, consisting of 61 identified fans laid down during seven depositional events, with thin and discontinuous reservoir quality sands. No single well has encountered all of the identified fan systems, but Badami #1 reportedly has the most complete section. The Badami Oil Pool is defined as the accumulation of hydrocarbons common to and correlating with the interval between the measured depths of 9,500 feet and 11,500 feet in the Badami No. 1 well. The reservoir sandstones are very fine-to-fine grained and moderately sorted. Porosity ranges from 15 to 21 percent, permeability ranges from 1 to 400 md, and oil gravity ranges from 21 to 30 degrees API.

Structure Map Strat Column Type Log

Orig. Oil in Place: Not Published

Production: Prod Chart Prod Report Prod Data

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	**4,347,065**	**0**	**22,891,313**	**0**
2001 Total	674,763	0	5,312,365	0
2002 Total	579,271	0	7,171,622	0
2003 Total	281,552	0	3,697,960	0
2004 Total	0	0	0	0
2003 Daily Rate	771	0	10,131	0

2004 Daily Rate	0	0	0	0
Change (%)	0	0	0	0

Continued: 1 > 2 > 3

AOGCC Pool Statistics

Badami Unit, Badami Oil Pool

EOR Injection:

Chart Report Data

	Gas (Mcf)	Water
Cumulative	**20,510,696**	**0**
2001 Total	4,786,466	0
2002 Total	6,616,561	0
2003 Total	3,363,093	0
2004 Total	0	0
2003 Rate (per day)	9,214	0
2004 Rate (per day)	0	0
Change (%)	0	0

Disposal Injection in Field:

Chart Report Data

	Disposed Fluids
Cumulative	**770,701**
2001 Total	28,233
2002 Total	36,468
2003 Total	52,942
2004 Total	26,987
2003 Rate (per day)	145
2004 Rate (per day)	74
Change (%)	-51

Field Development Information:

Wells In Field

Type Well	Status	2004	2003	2002	2001	2000
Producer	Oil Producer	10	10	10	7	7
Injector	Water Injector	0	0	0	0	0
	Gas Injector	2	2	2	2	2
	WAG Injector	0	0	0	0	0
	Water Supply	0	0	0	0	0
	Disposal	1	1	1	1	1
Non-Operating	Suspended	0	0	0	0	0
	Abandoned	2	2	2	2	2
Total		**15**	**15**	**15**	**12**	**12**

Active Completions in Pool (Month of December):

Type Well	Status	2004	2003	2002	2001	2000
Oil Producer	Flowing	0	2	2	2	2
	Gas Lift	0	4	4	4	4
	Pump	0	0	0	0	0
	Shut-In	7	1	1	1	1
Service Well	Water Injector	0	0	0	0	0
	Gas Injector	0	2	2	2	2
	WAG Injector	0	0	0	0	0
	Water Supply	0	0	0	0	0
	Shut-In	2	0	0	0	0
Disposal Undef.	Disposal	1	1	1	1	1
	Shut-In	0	0	0	0	0
Total		**10**	**10**	**10**	**10**	**10**

Continued: 1 > 2 > 3

AOGCC Pool Statistics

Badami Unit, Badami Oil Pool

Permitted Wells in Field: Chart Report Data

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	9900	9900	9900	9900	9900
Temperature - ° F	180	180	180	180	180
Porosity - %	15-21	15 - 21	15 - 21	15 - 21	15 - 21
Permeability - md	1-400	1 - 400	1 - 400	1 - 400	1 - 400
Swi - %	1.5-9.6	1.5 - 9.6	1.5 - 9.6	1.5 - 9.6	1.5 - 9.6
Oil Viscosity @ Orig. Press. cp	-	-	-	-	-
Oil Viscosity @ Sat. Press. cp	-	-	-	-	-
Orig. Press. - psi	6300	6300	6300	6300	6300
Bubble Point - psi	-	-	-	-	-
Current Reservoir Press. - psi	5300	5300	5300	5300	-
Oil Gravity - ° API	21-30	21 - 30	21 - 30	21 - 30	21 - 30
Gas Specific Gravity (Air = 1.0)	-	-	-	-	-
Gross Pay - ft.	40-220	40-220	40-220	40-220	40-220
Net Pay - ft.	-	-	-	-	-
Orig. FVF - RB/STB	1.1-1.35	1.1-1.35	1.1-1.35	1.1-1.35	1.1-1.35
Bubble Point FVF - RB/STB	-	-	-	-	-
Orig. GOR - SCF/STB	340-664	340-664	340-664	340-664	340-664
GOR (current yr.) - SCF/STB	-	*13134	12380	7873	4897

* Method of operation & GOR rate taken from July 2003, last full month of production.

References / Summary

Continued: 1 > 2 > 3

State of Alaska, Oil and Gas Conservation Commission

Production History for: BADAMI, BADAMI OIL Pool

Jan 1958 Dec 2004

Month	DaysProd	Oil (BBL)	Gas (MCF)	Water (BBL	Producing Wells
Aug 1998	20	83152	53413	0	3
Sep 1998	118	223455	149206	0	6
Oct 1998	176	132002	91850	0	7
Nov 1998	177	152083	88738	0	7
Dec 1998	147	140198	76219	0	5
Year Total		**730890**	**459426**	**0**	
Jan 1999	155	102653	65230	0	5
Feb 1999	20	9776	5966	0	5
May 1999	142	142367	77660	0	5
Jun 1999	151	153123	101425	0	6
Jul 1999	168	164239	128054	0	6
Aug 1999	179	148483	193901	0	6
Sep 1999	149	113868	241058	0	6
Oct 1999	138	120339	339680	0	5
Nov 1999	122	103933	282049	0	5
Dec 1999	125	91448	258348	0	6
Year Total		**1150229**	**1693371**	**0**	
Jan 2000	155	90991	264336	0	6
Feb 2000	149	81664	322062	0	6
Mar 2000	154	80276	229855	0	6
Apr 2000	151	78155	394672	0	6
May 2000	158	81159	312509	0	6
Jun 2000	124	76931	431619	0	6
Jul 2000	140	81529	335241	0	6
Aug 2000	150	80903	533425	0	6
Sep 2000	124	60737	470216	0	6
Oct 2000	138	83020	466802	0	6
Nov 2000	123	67447	457256	0	6
Dec 2000	126	67548	338576	0	6
Year Total		**930360**	**4556569**	**0**	
Jan 2001	112	65435	276254	0	6
Feb 2001	127	54737	451935	0	6
Mar 2001	109	62065	354435	0	6
Apr 2001	138	55354	461671	0	6
May 2001	161	62750	454002	0	6
Jun 2001	150	57517	390544	0	6
Jul 2001	158	61151	373240	0	6
Aug 2001	149	49046	413751	0	6
Sep 2001	149	52672	582139	0	6
Oct 2001	155	54968	357387	0	6
Nov 2001	162	53837	630730	0	6
Dec 2001	134	45231	566277	0	6
Year Total		**674763**	**5312365**	**0**	

State of Alaska, Oil and Gas Conservation Commission

Production History for: BADAMI, BADAMI OIL Pool

Jan 1958 Dec 2004

Month	DaysProd	Oil (BBL)	Gas (MCF)	Water (BBL	Producing Wells
Jan 2002	149	44340	542474	0	5
Feb 2002	131	42159	497986	0	5
Mar 2002	144	61010	638394	0	5
Apr 2002	147	61089	635016	0	5
May 2002	155	55861	607965	0	5
Jun 2002	150	50883	645723	0	5
Jul 2002	155	42716	662790	0	5
Aug 2002	151	42126	589621	0	5
Sep 2002	148	45251	581058	0	5
Oct 2002	155	46033	641078	0	5
Nov 2002	146	40999	519565	0	5
Dec 2002	179	46804	609952	0	6
Year Total		**579271**	**7171622**	**0**	
Jan 2003	159	38936	375059	0	6
Feb 2003	148	39183	138549	0	6
Mar 2003	186	42163	604378	0	6
Apr 2003	180	42212	621518	0	6
May 2003	186	40641	627476	0	6
Jun 2003	180	38766	632755	0	6
Jul 2003	168	35523	606492	0	6
Aug 2003	9	4128	91733	0	2
Year Total		**281552**	**3697960**	**0**	
Pool Total		**4,347,065**	**22,891,313**	**0**	

Badami Unit
Badami Oil Pool

Permitted Wells

Year	Service			Development			Exploratory		Totals
	New	Sidetrack	Multilateral	New	Sidetrack	Multilateral	New	Sidetrack	
2003	0	0	0	0	0	0	0	0	**0**
2002	0	0	0	0	0	0	0	0	**0**
2001	0	0	0	0	0	0	0	0	**0**
2000	0	0	0	0	0	0	0	0	**0**
1999	0	0	0	0	0	0	0	0	**0**
1998	1	0	0	5	1	6	0	0	**13**
1997	3	0	0	0	0	0	0	0	**3**
1996	0	0	0	0	0	0	0	0	**0**
1995	0	0	0	0	0	0	0	0	**0**
1994	0	0	0	0	0	0	3	0	**3**
1993	0	0	0	0	0	0	0	0	**0**
1992	0	0	0	0	0	0	0	0	**0**
1991	0	0	0	0	0	0	1	0	**1**
1990	0	0	0	0	0	0	0	0	**0**
1989	0	0	0	0	0	0	1	0	**1**
Totals	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**21**

State of Alaska, Oil and Gas Conservation Commission

Injection History for: BADAMI, BADAMI OIL Pool

Month	DaysInj	Liquid (BBL)	Gas (MCF)	Injecting Wells
Sep 1998	9	0	16	1
Nov 1998	1	0	30	1
Dec 1998	8	0	5375	1
Year Total		**0**	**5421**	
Jan 1999	24	0	2855	1
Apr 1999	2	0	960	1
May 1999	38	0	62844	2
Jun 1999	34	0	76333	2
Jul 1999	37	0	130789	2
Aug 1999	55	0	272180	2
Sep 1999	60	0	292472	2
Oct 1999	62	0	376152	2
Nov 1999	40	0	292909	2
Dec 1999	61	0	211781	2
Year Total		**0**	**1719275**	
Jan 2000	54	0	219626	2
Feb 2000	57	0	277638	2
Mar 2000	51	0	184527	2
Apr 2000	60	0	347912	2
May 2000	58	0	267416	2
Jun 2000	57	0	389418	2
Jul 2000	62	0	294211	2
Aug 2000	62	0	483995	2
Sep 2000	31	0	426993	2
Oct 2000	57	0	418285	2
Nov 2000	60	0	407652	2
Dec 2000	56	0	302207	2
Year Total		**0**	**4019880**	
Jan 2001	62	0	242430	2
Feb 2001	56	0	410032	2
Mar 2001	62	0	308930	2
Apr 2001	60	0	417158	2
May 2001	62	0	407662	2
Jun 2001	60	0	350047	2
Jul 2001	62	0	333549	2
Aug 2001	58	0	374248	2
Sep 2001	60	0	536483	2
Oct 2001	51	0	310090	2
Nov 2001	53	0	584397	2
Dec 2001	56	0	511440	2
Year Total		**0**	**4786466**	

State of Alaska, Oil and Gas Conservation Commission

Injection History for: BADAMI, BADAMI OIL Pool

Month	DaysInj	Liquid (BBL)	Gas (MCF)	Injecting Wells
Jan 2002	31	0	490423	1
Feb 2002	28	0	456747	1
Mar 2002	31	0	590517	1
Apr 2002	60	0	593129	2
May 2002	42	0	560562	2
Jun 2002	30	0	598357	1
Jul 2002	31	0	614519	1
Aug 2002	39	0	541101	2
Sep 2002	31	0	534203	2
Oct 2002	32	0	590415	2
Nov 2002	31	0	479086	2
Dec 2002	36	0	567502	2
Year Total		**0**	**6616561**	
Jan 2003	44	0	333590	2
Feb 2003	32	0	104462	2
Mar 2003	62	0	554361	2
Apr 2003	60	0	572773	2
May 2003	62	0	576178	2
Jun 2003	60	0	584758	2
Jul 2003	62	0	556108	2
Aug 2003	12	0	80863	2
Year Total		**0**	**3363093**	
Pool Total		**0**	**20,510,696**	

State of Alaska, Oil and Gas Conservation Commission

Injection History for: BADAMI, UNDEFINED WDSP Pool

Month	DaysInj	Liquid (BBL)	Gas (MCF)	Injecting Wells
Nov 1997	30	14581	0	1
Dec 1997	31	19391	0	1
Year Total		**33972**	**0**	
Jan 1998	31	36032	0	1
Feb 1998	28	19464	0	1
Mar 1998	31	36815	0	1
Apr 1998	30	36313	0	1
May 1998	31	48922	0	1
Jun 1998	30	39341	0	1
Jul 1998	31	49985	0	1
Aug 1998	31	37905	0	1
Sep 1998	30	20221	0	1
Oct 1998	31	24256	0	1
Nov 1998	30	30884	0	1
Dec 1998	31	19298	0	1
Year Total		**399436**	**0**	
Jan 1999	31	25895	0	1
Feb 1999	28	30268	0	1
Mar 1999	31	19041	0	1
Apr 1999	30	31949	0	1
May 1999	31	19722	0	1
Jun 1999	20	7508	0	1
Jul 1999	18	6492	0	1
Aug 1999	12	2356	0	1
Sep 1999	12	2340	0	1
Oct 1999	7	967	0	1
Nov 1999	9	1273	0	1
Dec 1999	12	2845	0	1
Year Total		**150656**	**0**	
Jan 2000	11	3282	0	1
Feb 2000	7	877	0	1
Mar 2000	9	1694	0	1
Apr 2000	11	2247	0	1
May 2000	10	1371	0	1
Jun 2000	27	19533	0	1
Jul 2000	15	6917	0	1
Aug 2000	10	1644	0	1
Sep 2000	7	1220	0	1
Oct 2000	7	840	0	1
Nov 2000	8	1231	0	1
Dec 2000	8	1151	0	1
Year Total		**42007**	**0**	

State of Alaska, Oil and Gas Conservation Commission

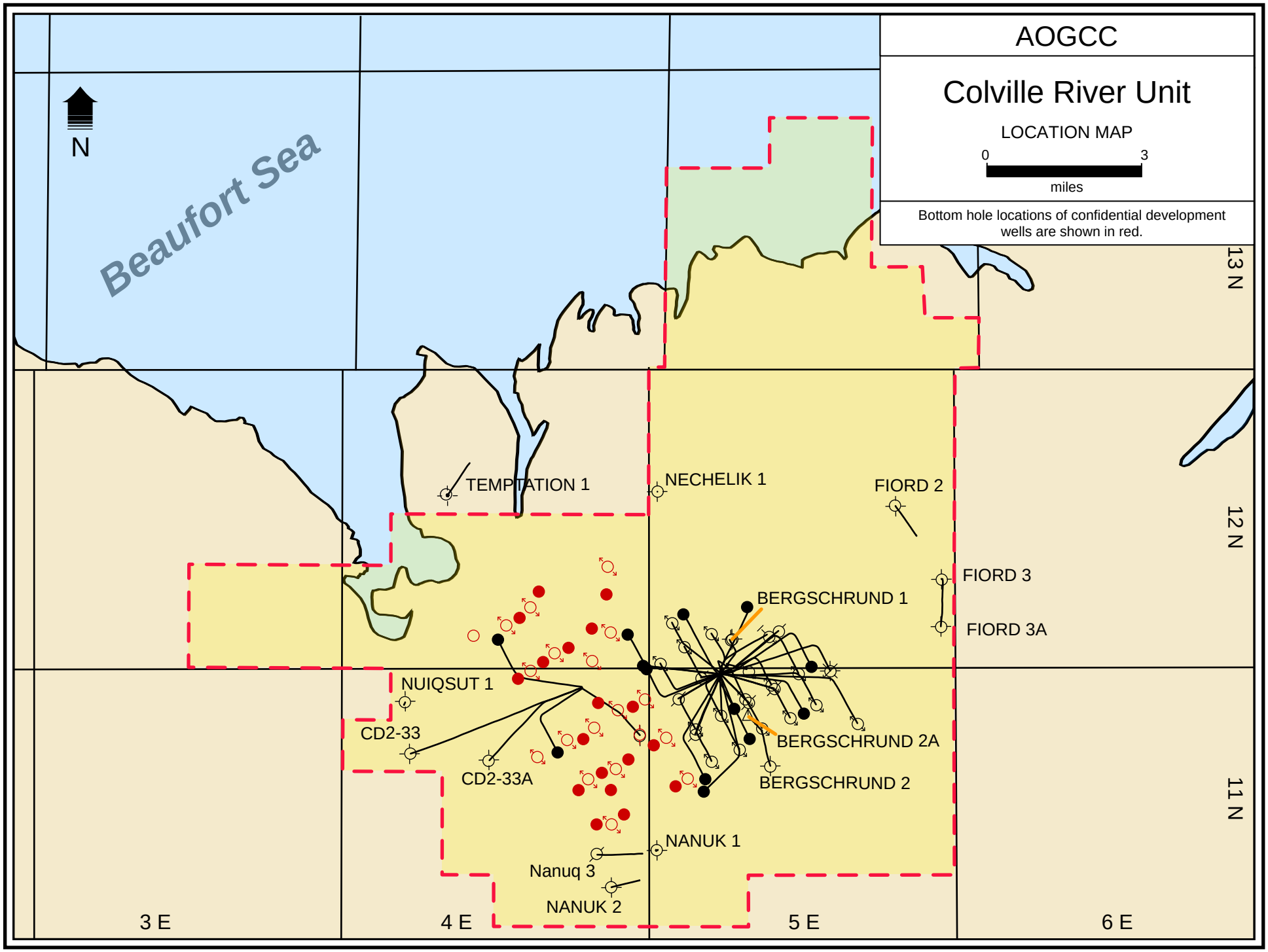
Injection History for: BADAMI, UNDEFINED WDSP Pool

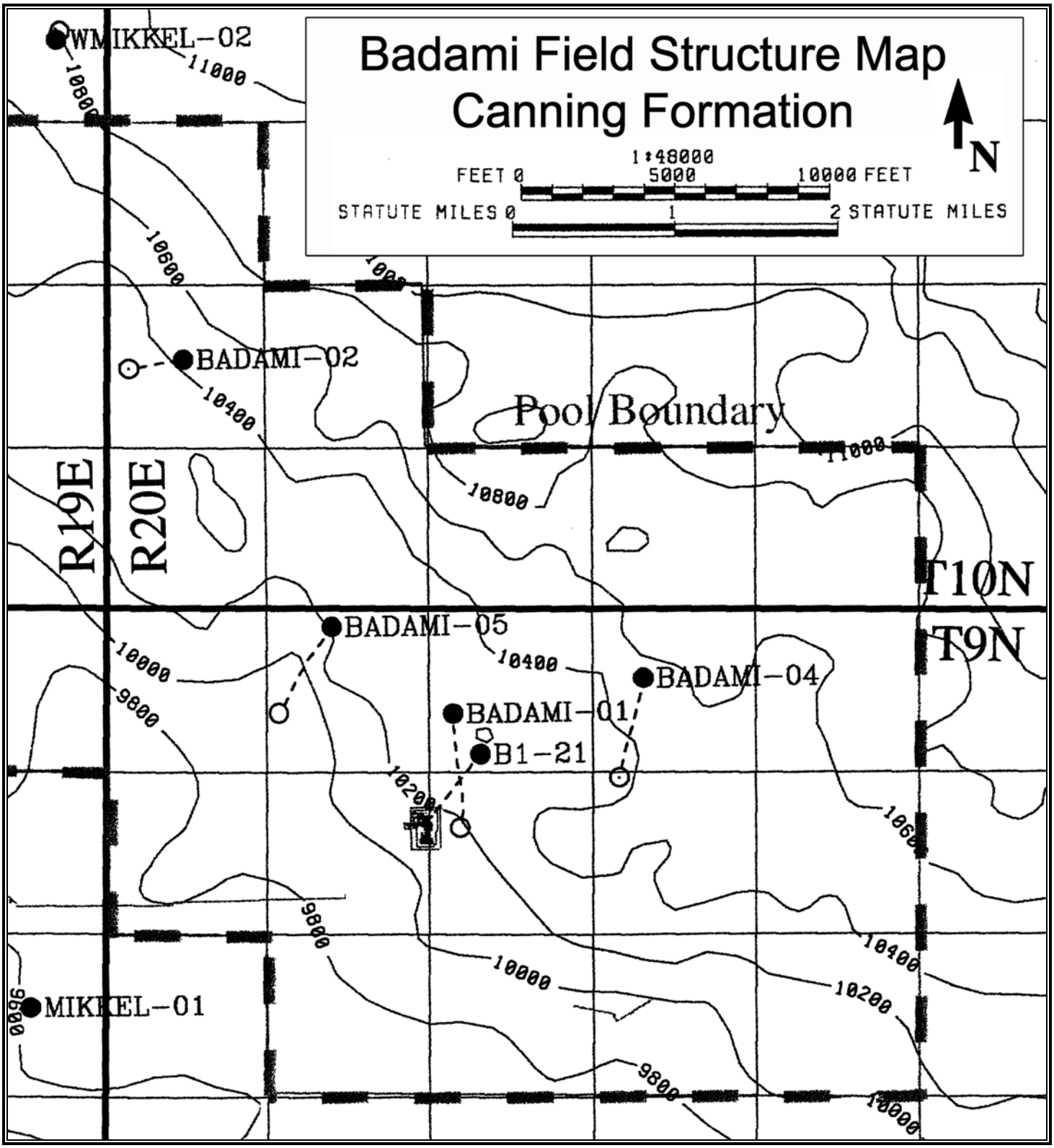
Month	DaysInj	Liquid (BBL)	Gas (MCF)	Injecting Wells
Jan 2001	8	1191	0	1
Feb 2001	7	860	0	1
Mar 2001	10	1421	0	1
Apr 2001	10	2076	0	1
May 2001	10	1313	0	1
Jun 2001	20	13803	0	1
Aug 2001	13	2039	0	1
Sep 2001	13	1429	0	1
Oct 2001	9	1226	0	1
Nov 2001	9	1591	0	1
Dec 2001	8	1284	0	1
Year Total		**28233**	**0**	
Jan 2002	9	1460	0	1
Feb 2002	9	1048	0	1
Mar 2002	11	2234	0	1
Apr 2002	9	1403	0	1
May 2002	8	943	0	1
Jun 2002	19	10678	0	1
Jul 2002	19	8967	0	1
Aug 2002	15	2875	0	1
Sep 2002	15	2325	0	1
Oct 2002	13	1877	0	1
Nov 2002	12	1191	0	1
Dec 2002	11	1467	0	1
Year Total		**36468**	**0**	
Jan 2003	15	1945	0	1
Feb 2003	14	1129	0	1
Mar 2003	13	1404	0	1
Apr 2003	13	1371	0	1
May 2003	14	3124	0	1
Jun 2003	19	12960	0	1
Jul 2003	22	13513	0	1
Aug 2003	17	2151	0	1
Sep 2003	24	13367	0	1
Oct 2003	10	943	0	1
Nov 2003	5	459	0	1
Dec 2003	7	576	0	1
Year Total		**52942**	**0**	

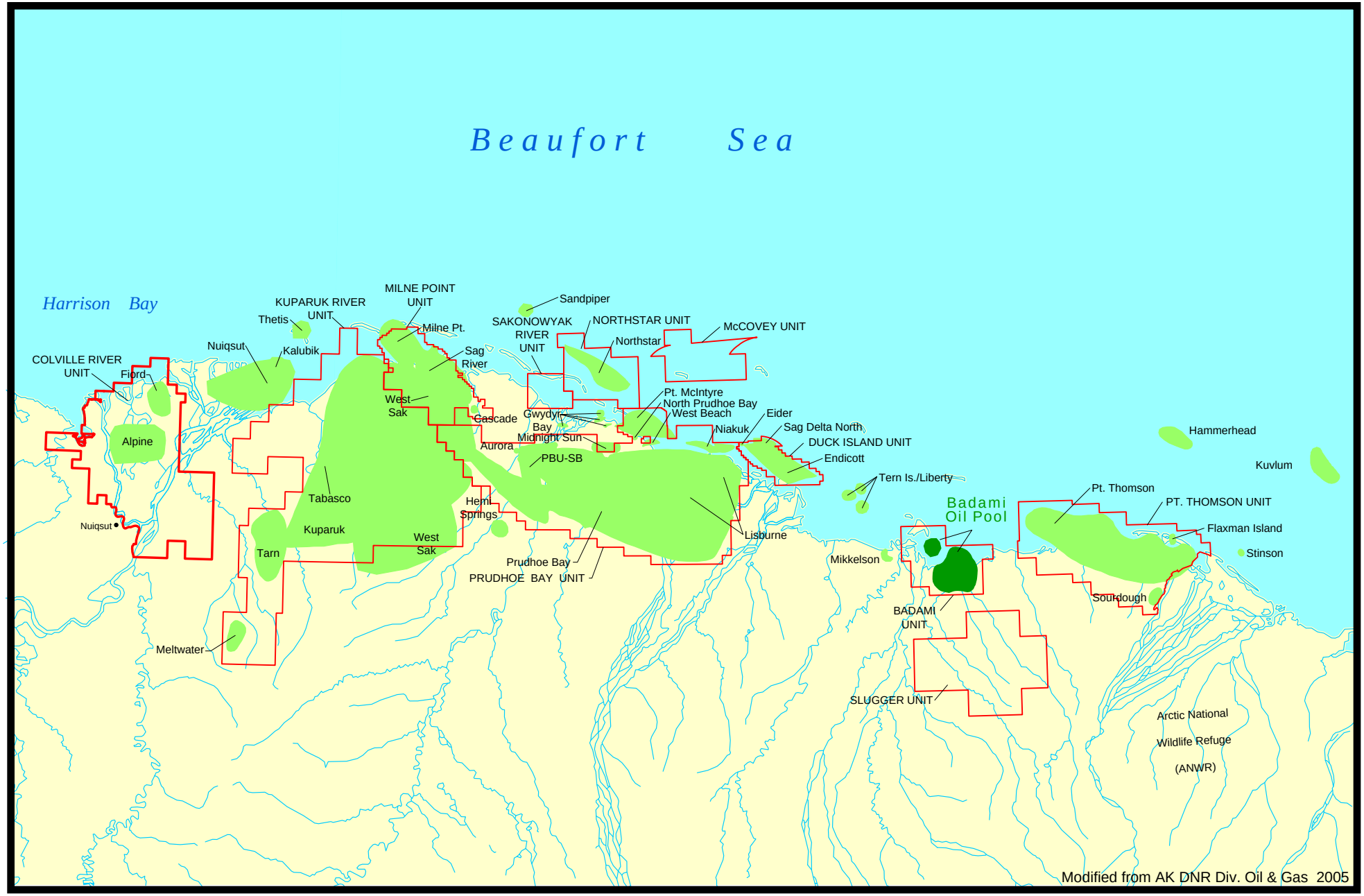
State of Alaska, Oil and Gas Conservation Commission

Injection History for: BADAMI, UNDEFINED WDSP Pool

Month	DaysInj	Liquid (BBL)	Gas (MCF)	Injecting Wells
Jan 2004	8	491	0	1
Feb 2004	5	166	0	1
Mar 2004	7	346	0	1
Apr 2004	7	372	0	1
May 2004	5	337	0	1
Jun 2004	17	11230	0	1
Jul 2004	17	8655	0	1
Aug 2004	25	2675	0	1
Sep 2004	20	1278	0	1
Oct 2004	17	803	0	1
Nov 2004	6	372	0	1
Dec 2004	7	262	0	1
Year Total		**26987**	**0**	
Pool Total		**770,701**	**0**	


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


Badami Field Structure Map
Canning Formation
N
1:48000
FEET 0
5000
10000 FEET
STATUTE MILES 0
1
2 STATUTE MILES
WMIKKEL-02
BADAMI-02
Pool Boundary
R19E
R20E
T10N
T9N
BADAMI-05
BADAMI-04
BADAMI-01
B1-21
MIKKEL-01
11000
10800
10600
10400
10200
10000
9800
9600

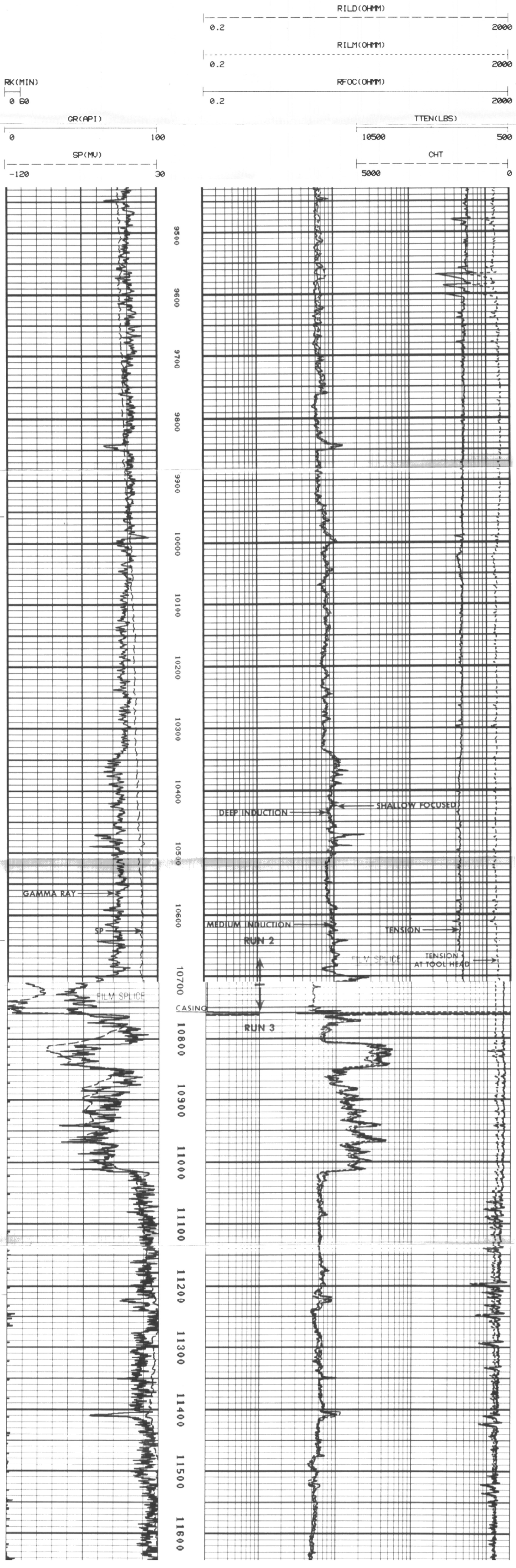


North Slope, Alaska

Badami Oil Pool
Type Log

Badami No. 1

189-117 **50-029-22017-00**



Badami Unit, Badami Oil Pool

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Badami Oil Pool

Summary

The Badami Oil Pool was discovered in 1990, and developed through a drilling program lasting from 1997 to 1998.[1] The pool has now been penetrated by 19 well bores, most of which are clustered near the center of the Badami Unit. There are 8 additional wells that lie inside of, or within 4 miles of, the unit boundaries. The pool began regular production on August 23, 1998,[2] and peaked at average rate of 7,450 barrels per day during September 1998.[3] However, production rapidly declined to 3,300 barrels per day by January 1999, and the field was shut in from February 4[4] through April 30, 1999. After facilities were upgraded and remediated, production was restarted on May 1, 1999,[5] and jumped to an average of nearly 5,300 barrels per day during July of 1999. However, by year-end 1999, it declined to an average of less than 3,000 barrels per day,[6] and by July 2003 field production averaged less than 1,300 barrels per day from six wells.[7] In August 2003, the Regulatory Commission of Alaska approved BP's request to temporarily shut down the Badami oil pipeline and gas products pipeline for approximately two years.[8] BP shut-in production and placed the facilities in "warm shutdown" that same month.[9]

SFD
Revised November 30, 2004

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[1] Bredar, W., 1997, Testimony before the Alaska Oil and Gas Conservation Commission in support of the Application of BP Exploration (Alaska) Inc. to Define the Badami Oil Pool and Establish Well Spacing for Development, July 16, 1997, Conservation Order 402 File, p. 9.
[2] Repp, S.A., 1999, Badami Development, 1999, SPE Paper 54604, SPE Western Regional Meeting, Anchorage, Alaska, 26-28 May 1999.
[3] Alaska Oil and Gas Conservation Commission, 2004, Production Database
[4] Nelson, K., 1999, BP suspends Badami production, Petroleum News, Vol. 4, No. 2, February 28, 1999, http://www.petroleumnews.com/pnads/171276921.shtml
[5] Nelson, K., 1999, Aggressive work aimed at making Badami productive, Petroleum News, Vol. 4, No. 6, http://www.petroleumnews.com/pnads/829909748.shtml
[6] Alaska Oil and Gas Conservation Commission, 2004, Production Database
[7] Alaska Oil and Gas Conservation Commission, 2004, Production Database
[8] Petroleum News, 2003, Badami pipeline shutdown approved, Petroleum News, Vol. 8, No. 32, August 10, 2003, http://www.petroleumnews.com/pnads/232460769.shtml
[9] Kay Cashman, 2003, BP to mothball Badami, Petroleum News, Vol. 8, No. 25, June 22, 2003, http://www.petroleumnews.com/pnads/638153503.shtml

Badami Oil Pool

Geology

The Badami reservoir consists of a series of turbidite sandstones assigned to the Tertiary-aged Canning Formation. These sandstones were deposited as amalgamated channel sands[1] within mud-dominated submarine fan systems.[2] Published descriptions suggest the reservoirs are complex, comprising 61 identified fans laid down during seven depositional events, with thin[3] and discontinuous[4] reservoir quality sands. No well has encountered all of the identified fan systems. The Badami #1 reportedly has the most complete section.[5] The Badami Oil Pool is defined as the accumulation of hydrocarbons common to and correlating with the interval between the measured depths of 9,500 feet and 11,500 feet in the Badami No. 1 well.[6] The reservoir sandstone is very fine-to-fine grained and moderately sorted.[7] Porosity ranges from 15 to 21 percent, permeability ranges from 1 to 400 md,[8] and oil gravity ranges from 19 to 29 degrees API.[9] (21 to 30 degrees according to operator supplied reservoir statistics[10]).

Initially production rates were expected to reach 35,000 barrels per day,[11] but production rates for the apparently complex and compartmentalized pool peaked at 7,450 barrels per day during September 1998, declined to less than 3,000 barrels per day by December 1999, and averaged less than 1,200 barrels per day during July 2003, just before the pool was shut in.[12]

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[1] Nelson, K., 1999, BP's Badami production at half expected rate, Petroleum News, Vol. 3, No. 10, October 28, 1998, http://www.petroleumnews.com/pnads/656633186.shtml
[2] Bredar, W., 1997, Testimony before the Alaska Oil and Gas Conservation Commission in support of the Application of BP Exploration (Alaska) Inc. to Define the Badami Oil Pool and Establish Well Spacing for Development, July 16, 1997, Conservation Order 402 File, p. 8 - 9.
[3] Nelson, K., 1999, Aggressive work aimed at making Badami productive, Petroleum News, Vol. 4, No. 6, http://www.petroleumnews.com/pnads/829909748.shtml
[4] Alaska Oil and Gas Conservation Commission, 1997, Conservation Order No. 402, Badami Oil Field, Badami Oil Pool; http://www.state.ak.us/local/akpages/ADMIN/ogc/orders/co/co400_499/co402.htm
[5] Bredar, W., 1997, Testimony before the Alaska Oil and Gas Conservation Commission in support of the Application of BP Exploration (Alaska) Inc. to Define the Badami Oil Pool and Establish Well Spacing for Development, July 16, 1997 Conservation Order 402 File, p. 31.
[6] Alaska Oil and Gas Conservation Commission, 1997, Conservation Order No. 402, Badami Oil Field, Badami Oil Pool; http://www.state.ak.us/local/akpages/ADMIN/ogc/orders/co/co400_499/co402.htm
[7] EXLOG, 1990, Mudlog Sample Descriptions, Badami No. 1 Well; Alaska Oil and Gas Conservation Commission Well File No. 189-117.
[8] BP, 2003, Reservoir Properties supplied by Operator for Alaska Oil and Gas Conservation Commission 2003 Annual Report.
[9] Nelson, K., 1999, BP's Badami production at half expected rate, Petroleum News, Vol. 3, No. 10, October 28, 1998, http://www.petroleumnews.com/pnads/656633186.shtml
[10] BP, 2003, Reservoir Properties supplied by Operator for Alaska Oil and Gas Conservation Commission 2003 Annual Report.
[11] Kay Cashman, 2003, BP to mothball Badami, Petroleum News, Vol. 8, No. 25, June 22, 2003
[12] Alaska Oil and Gas Conservation Commission, 2004, Production Database

BADAMI FIELD
BADAMI OIL POOL

Current Orders

Order No.		AA	Operator	Date	Description	Current
CO	500	0	BP EXPLORATI	16-Oct-03	Rules regulating sustained casing pressures in development wells within the Badami Field.	Y
CO	402 A	0	BP	27-Aug-98	Pool rules amended exempt the Badami Oil Pool. The gas-oil ratio limitations of 20 AAC 25.240.	Y
AIO	17	0	BP	26-Aug-98	Authorize underground injection for Enhanced oil recovery in the Badami Oil Pool.	Y

BADAMI FIELD

No Pool

Current Orders

Order No.		AA	Operator	Date	Description	Current
DIO	12	1	BP EXPLORATI	21-Apr-03	Amendment to Rule 4 of Disposal Injection Order 12.	Y
DIO	12	0	BP	05-Aug-97	Disposal Class II oil field waste by underground injection in Badami Unit wells WD-1 and WD-2.	Y

BADAMI FIELD

No Pool

Spacing Exception Orders

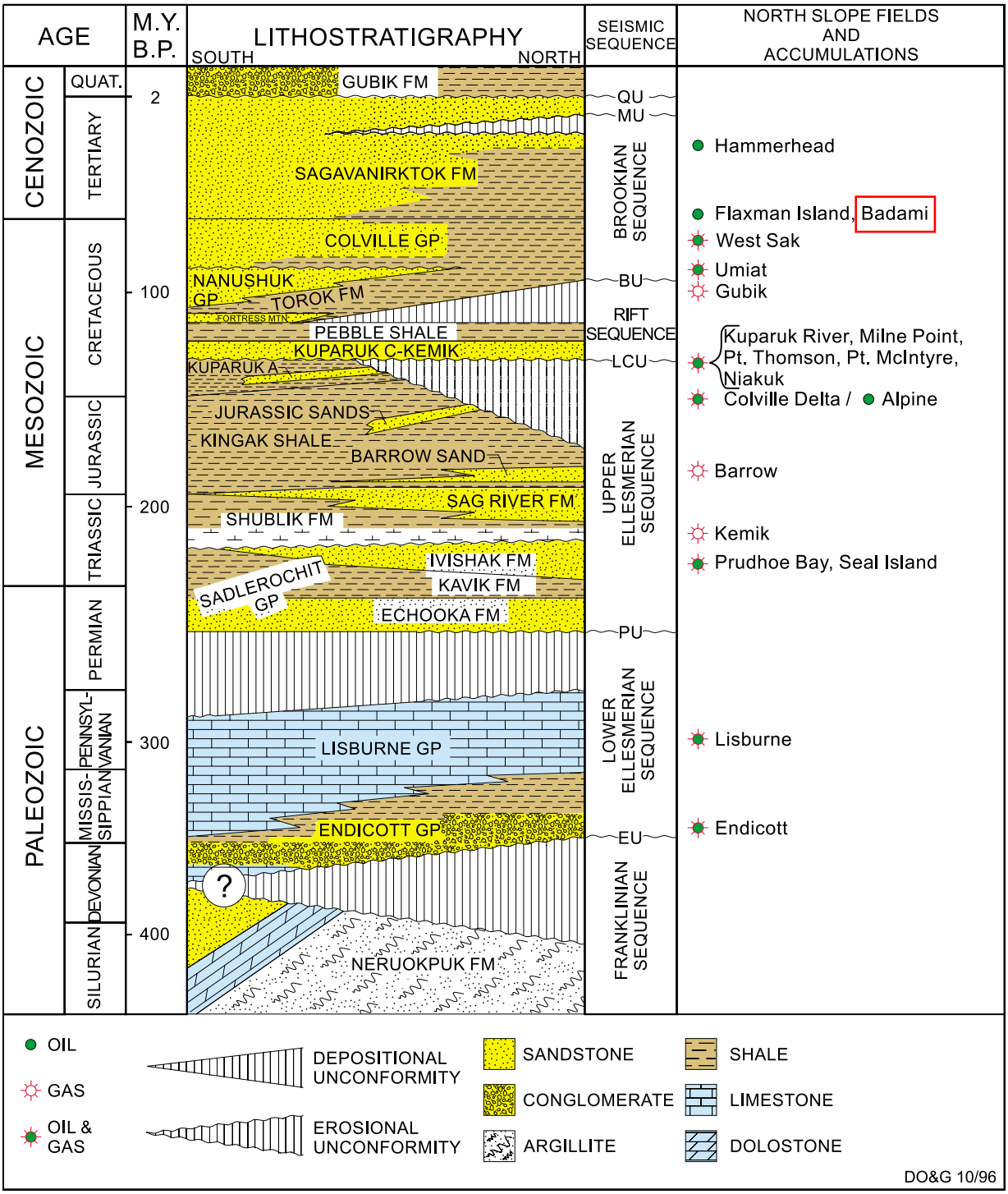
Order No.		AA	Operator	Date	Description	Current
CO	352	0	BP	06-Jan-95	Spacing exception to provide for the drilling of Badami No. 4 exploratory oil well.	Y
CO	327	0	BP	05-Jan-94	Spacing exception to Badami #3 exploratory oil well.	Y
CO	286	0	CONOCO INC	03-Jan-92	Spacing exception to the Badami #2 well.	Y

BADAMI FIELD
BADAMI OIL POOL

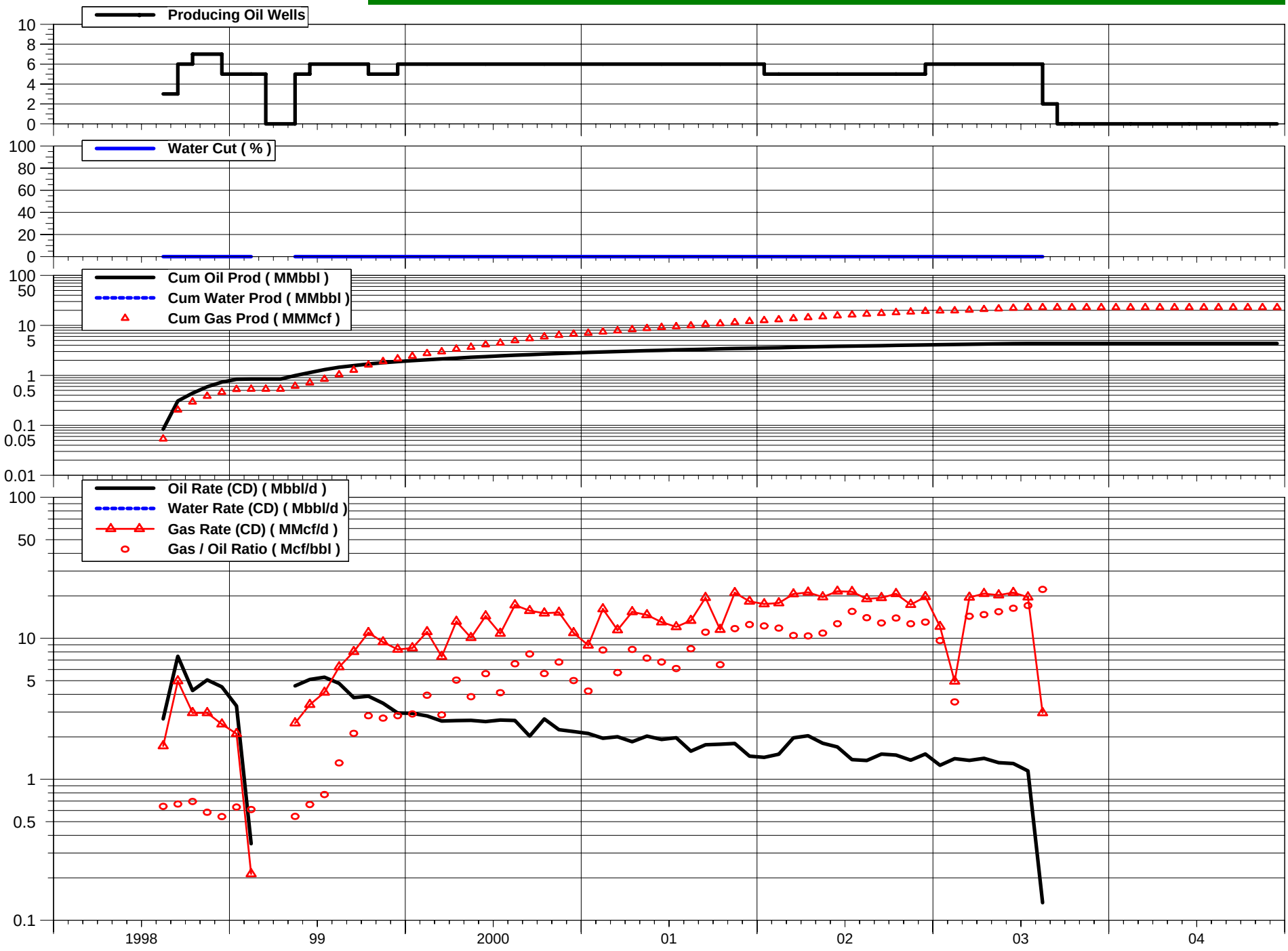
Obsolete Orders

Order No.		AA	Operator	Date	Description	Current
CO	402	0	BP	22-Aug-97	Defines Badami oil pool and establishes well spacing for initial development. Amended by CO 500.	N

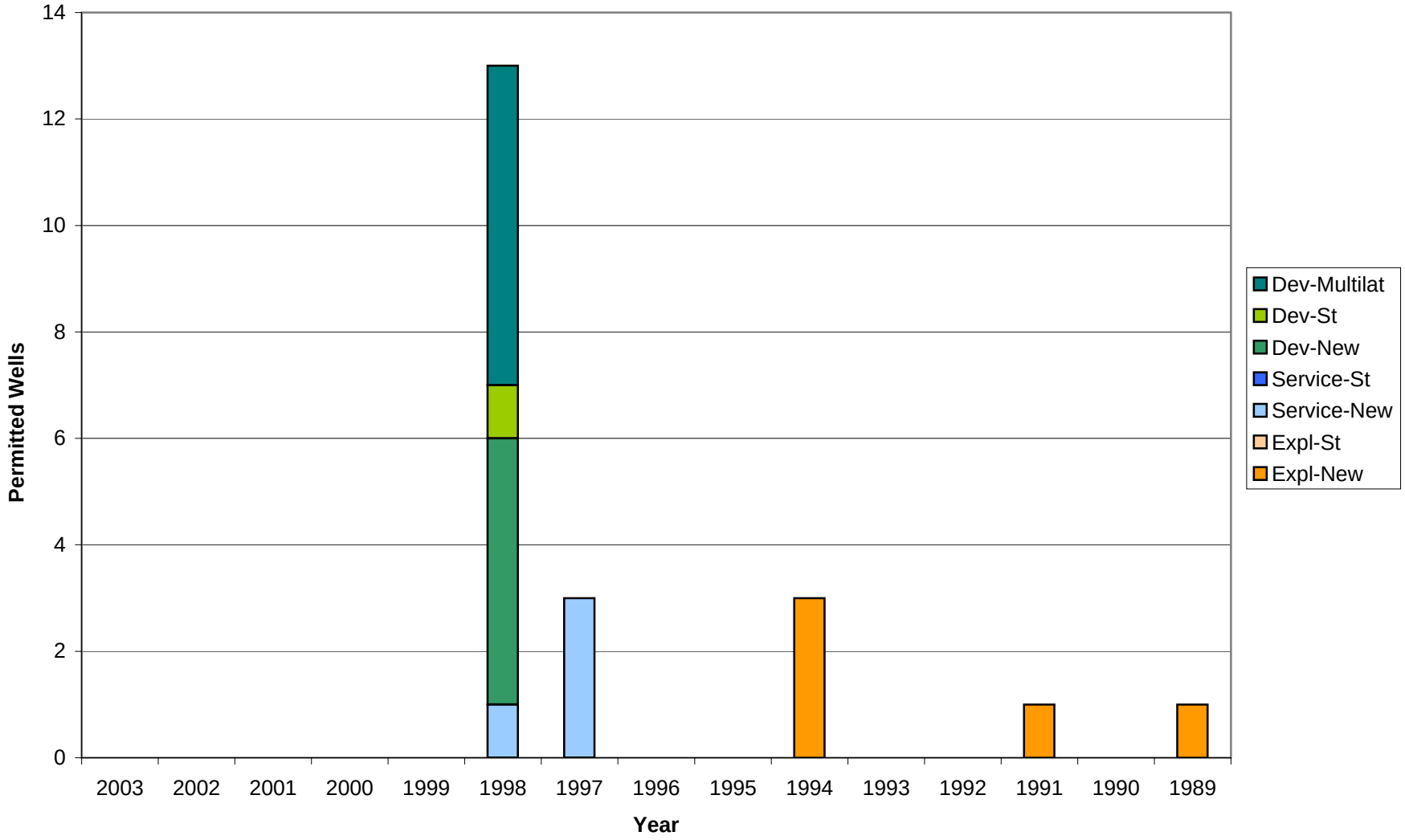
Generalized North Slope Stratigraphic Column displaying oil and gas reservoirs and associated accumulations.



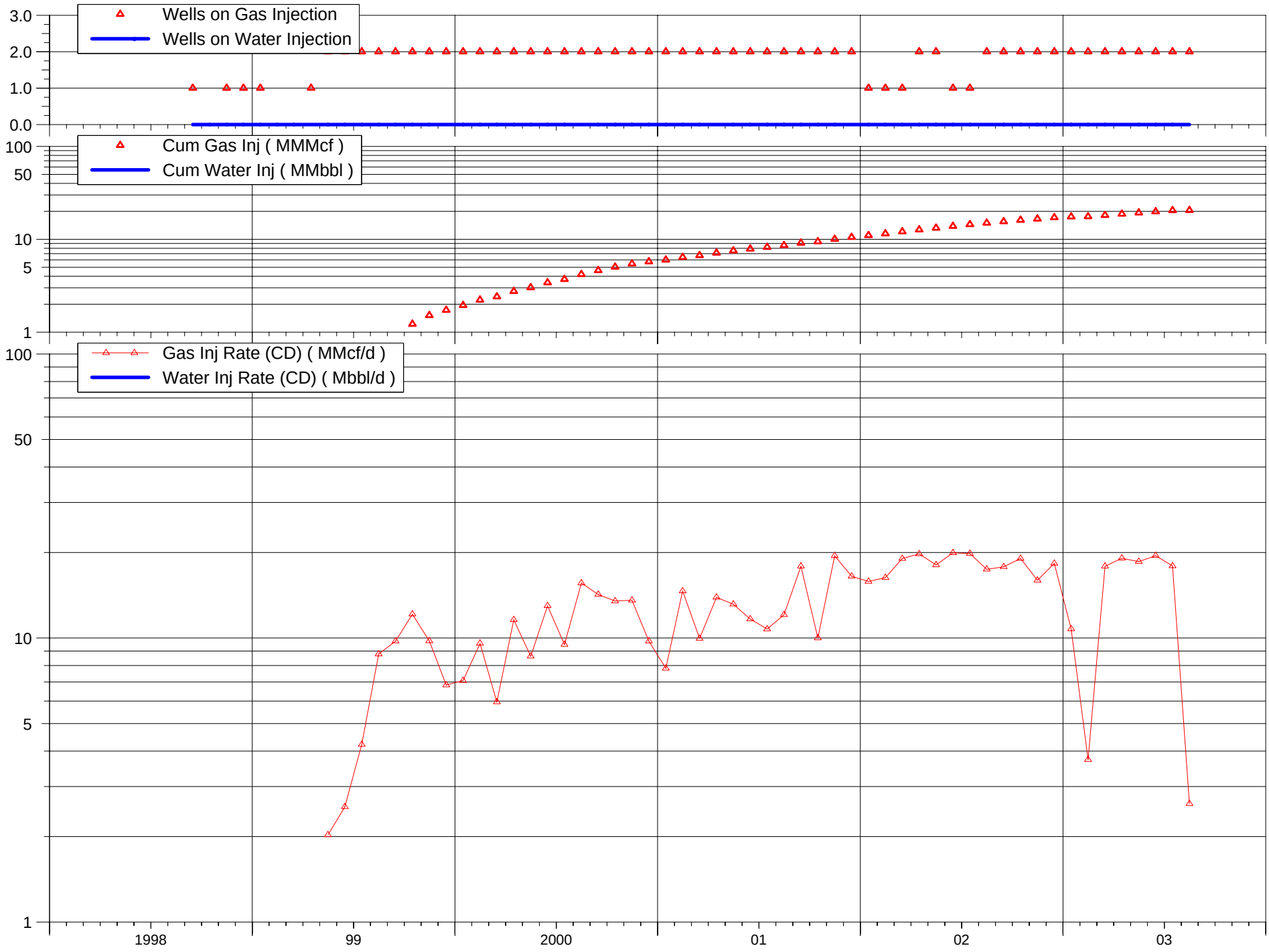
BADAMI FIELD, BADAMI OIL POOL



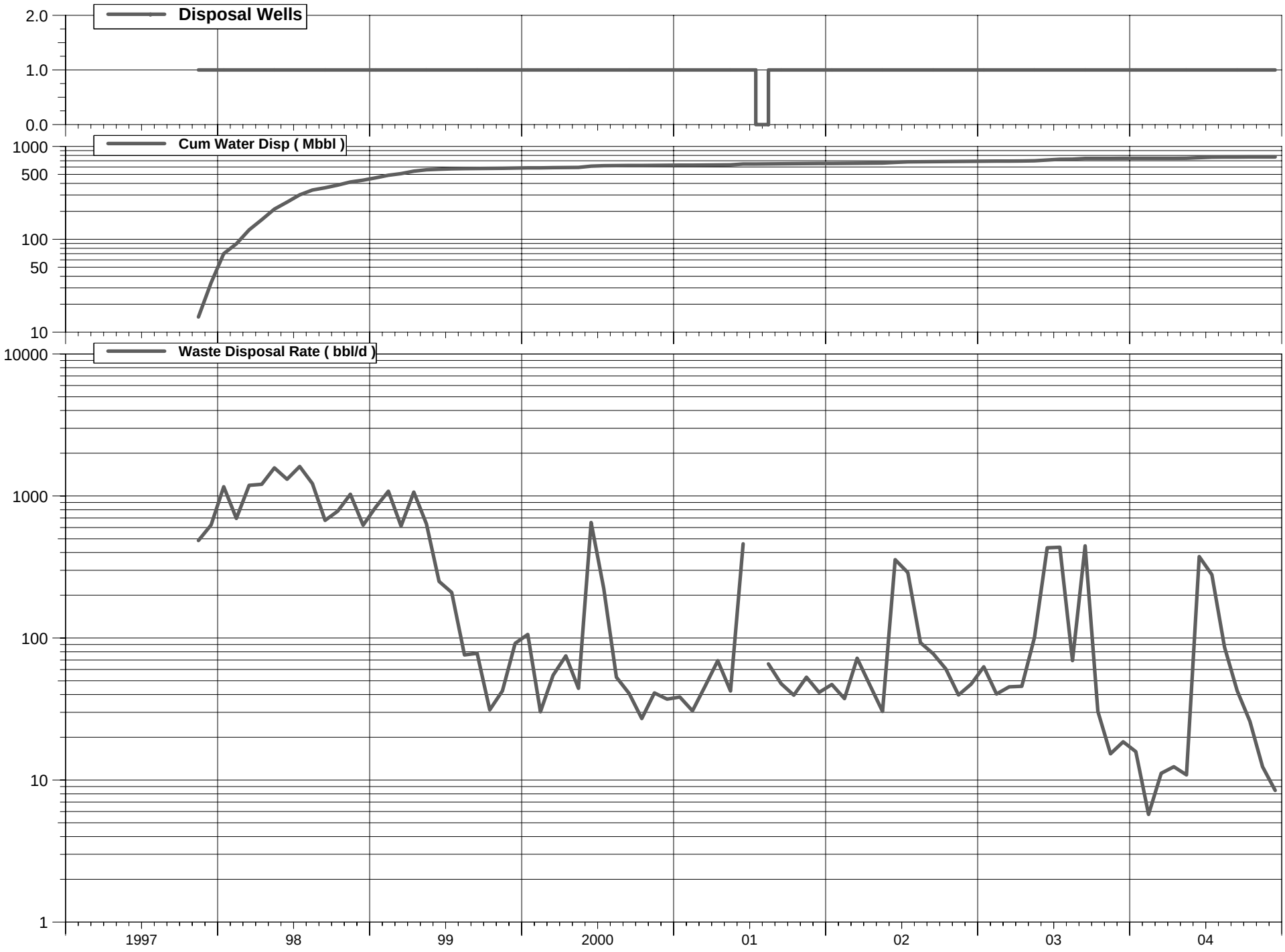
Badami Oil Pool - Permitted Wells



BADAMI FIELD, BADAMI OIL POOL - EOR INJECTION



BADAMI FIELD, UNDEFINED WASTE DISPOSAL



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