



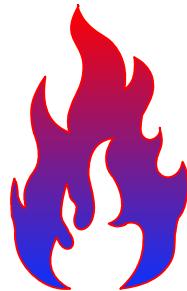
# **NORTHEAST BRITISH COLUMBIA**

## **PADDY/CADOTTE GAS POOLS**

### **RESERVOIR CHARACTERISTICS**

### **PRODUCTION AND**

### **POOL SIZE DISTRIBUTION**



**DECEMBER 31, 2009**

## **Paddy / Cadotte Gas Pools**

### **Reserves Data (December 31, 2009)**

The first Paddy / Cadotte gas discovery was the Sunrise Cadotte A pool discovered in 1951. The pool has initial marketable gas reserves of 4.4 billion cubic feet. Marketable gas production to December 31, 2009 is 2.4 Bcf, with remaining marketable reserves of 2.0 Bcf.

The largest Paddy / Cadotte gas discovery is the Sundown Cadotte A pool discovered in 1982. The pool has initial marketable gas reserves of 63.4 billion cubic feet. Marketable gas production to December 31, 2009 is 58.6 Bcf, with remaining marketable reserves of 4.8 Bcf.

Gas reserves in the Paddy / Cadotte are all non-associated, primarily located in the Deep Basin area. There are 7 Paddy / Cadotte gas pools with initial established marketable gas reserves greater than 20 BCF, and 2 greater than 50 BCF. The ten largest Paddy / Cadotte gas pools contain 299.8 Bcf, 47.4% of the total initial established marketable gas. Cumulative marketable production from the top 10 pools to the end of 2009 is 235.1 Bcf, representing 56.2% of the total. The largest gas pool is Sundown Cadotte A, discovered in 1982, with initial marketable gas reserves of 63.4 Bcf.

Total gas reserves in the Paddy / Cadotte are estimated at 875.0 BCF gas-in-place, 720.7 BCF raw recoverable, and 632.4 BCF of initial marketable gas. Cumulative marketable gas production to December 31, 2009 is 418.2 BCF with remaining marketable gas reserves of 214.2 BCF. There are a total of 106 Paddy / Cadotte gas pools, with an average of 6.0 BCF marketable gas reserves/pool.

Paddy / Cadotte gas pools are all sweet. A total of 106 (100.0%) pools containing 720.7 BCF (100.0%) of the recoverable gas have no hydrogen sulphide content. A total of 0 (0.0%) pools containing 00.0 BCF (0.0%) of the recoverable gas have a hydrogen sulphide content greater than 2%. Overall Paddy / Cadotte gas pools have an average hydrogen sulphide content of 0.0% and an average carbon dioxide content of 1.8%.

### **Production Data (September 30, 2010)**

Cumulative raw gas production from the Paddy / Cadotte to September 30, 2010 is 489.8 billion cubic feet. There were 133 producing wells in September, 2010 with production of 0.904 billion cubic feet. The average calendar day rate per well was 219.3 Mcf/day, and the active rate was

The producibility of the Paddy / Cadotte is evaluated by considering the first 12 months of production. There are a total of 218 wells with a minimum of 12 months production. The cumulative production for the first 12 months is 125.9 billion cubic feet, for an average calendar day rate per well of 1583.3 Mcf/day. The maximum rate for the first 12 months on a month basis is 24.4 MMcf/day, and on a full 12 month basis is 16.0 MMcf/day.

## **Explanatory Notes**

Reserve statistics tables and graphs are based on the British Columbia Oil Gas Commission reserves database as of December 31, 2009. The class sizes used for the pool size distribution charts are only approximately log normal, as the author prefers units of 1, 2, 5, 10, 20, etc., rather than statistically correct log base 2 class intervals of 1, 2, 4, 8, 16, etc.

The cross-plot charts have a trend-line, automatically inserted by Excel. This line often indicates a general trend only, and in some cases includes spurious data.

Discovered Resource Maps - The number of discovered pools and discovered marketable gas are mapped by township and NTS block by the location of the discovery well. The data is from the British Columbia Oil and Gas Commission reserves database as of December 31, 2002.

The Cumulative Recoverable Gas Production map is the summation of cumulative gas production by township and NTS block from the British Columbia Oil Gas Commission production database with data to July 2010.

The monthly production plots are self-explanatory.

The distribution of porosity, net pay, and water saturation is from the pay zone file by the British Columbia Oil Gas Commission, averaged and plotted by township and NTS block.

The 12-month production data is the first 12 months of gas production for wells with at least 12 months of production, mapped by township and NTS block. Production data is generally by calendar day as a number of wells, in particular the early years, have no reported hours of production. The maximum rate shown on the maps is calculated on the basis of the full 12 months production. The maximum calendar rate for the top wells is shown in the table.

Three charts show producing rates all assigned by the first month of production. The wells used in these plots are those with a minimum of 12 months production normalized to first month of production. The plots to some extent could be considered to be an average production profile of a well for the subject horizon. The producing rate charts are all normalized to the first month of production.

The pool list shows reserves and reservoir parameters for all pools for the subject stratigraphic interval. The details for the top 20 pools are shown in an individual pool ticket. For horizons with 20 or less, all pools are included.

## ABBREVIATIONS USED IN TABLES AND CHARTS

ABBREV	DESCRIPTION
AFP	Field Pool Code
B/MMCF	Barrels per Million Cubic Feet
BCF	Billion Cubic Feet
Btu	British thermal unit
C3LOSS	Loss From C3+ Gases
CALCSL	Calculated Surface Loss
CO2	Carbon Dioxide
CUM	Cumulative
DB	Deep Basin
DENS, DENSITY	Gas Density
GCAP	Associated, Gas Cap Gas
GIP	Gas In Place
GR	Grizzly Foothills
GRF	Gas Recovery Factor
GRF_MG	GRF- Marketable % Of GIP
GRF_REC	GRF- Recoverable % Of GIP
H2S	Hydrogen Sulphide
IMG, MG	Initial Marketable Gas
LB	Liard Basin
LFB	Liard Fold Belt
LIQSREC	Recoverable Liquids B/MMCF
MCF	Thousand Cubic Feet
MFD	Mean Formation Depth
MGP	Marketable Gas Produced
MMCF	Million Cubic Feet
MMCF/CD	Million Cubic Feet/ Calendar Day
MMCF/D	Million Cubic Feet/ Day
MMLT	Million Long Tons
Mos	Months
NONA	Non-Associated Gas
NON-HC	Non-Hydrocarbon Gas
NP	Northern Plains
NW	Northwest Foothills
OTHGAS	Other Gas
PAY	Net Pay
POR	Porosity
PR	Peace River Arch
PRESS	Pressure (Psi)
REM	Remaining
RMG, RemMG	Remaining Marketable Gas
RRG, RAW	Raw Recoverable Gas
SCF	Standard Cubic Foot
SG	Gas Saturation
SOLN	Solution Gas
ST_AREA	Structural Area
SW	Water Saturation
TEMP	Temperature (Degrees Celcius)
UWI	Unique Well Identifier
Z	Gas Compressibility Factor

**BRITISH COLUMBIA**  
**PADDY / CADOTTE GAS POOLS - ALL AREAS**  
(BC ENERGY & MINES December 31, 2009)

Year of first discovery	1951
Original Gas-in-Place	875.0 BCF
Raw Recoverable Gas	720.7 BCF
Initial Marketable Gas	632.4 BCF
Raw Gas Recovery Factor (% of GIP)	82.4%
Marketable Gas Recovery Factor (% of GIP)	72.3%
Largest Pool (Gas-in-Place)	81.0 BCF
Largest Pool (Recoverable)	72.9 BCF
Largest Pool (Marketable)	63.4 BCF
Smallest Pool (Recoverable)	0.020 BCF
Smallest Pool (Marketable)	0.014 BCF
Number of Pools	106
Average Pool Size (Gas-in-Place)	8.3 BCF
Average Pool Size (Recoverable)	6.8 BCF
Average Pool Size (Marketable)	6.0 BCF
Total Productive Pool Area	94,731 Acres
Largest Productive Pool Area	26,601 Acres
Smallest Productive Pool Area	0 Acres
Average Productive Pool Area	1,414 Acres
Ave. Rec. Mcf/Ac-Ft	750.0 MCF/AC-FT
Maximum Pay	41 Feet
Minimum Pay	3.3 Feet
Average Pay	16.3 Feet
Maximum Porosity	0.234
Minimum Porosity	0.052
Average Porosity	0.101
Maximum Gas Saturation	0.935
Minimum Gas Saturation	0.393
Average Gas Saturation	0.750
Deepest Pool Depth	11,029 Feet
Shallowest Pool Depth	2,482 Feet
Average Depth	7,046 Feet
Maximum Gas Density	0.786
Minimum Gas Density	0.000
Average Gas Density	0.596
Average Pressure	1,639.2 Psi
Average Temperature	155.0 °F
Gas In Place Mcf/Prod. Acre	9,237 MCF/Acre
Rec. Gas Mcf/ Prod. Acre	7,608 MCF/Acre
Average Liquids Recovery	12.4 B/MMCF
Maximum 'Z' Factor	0.954
Minimum 'Z' Factor	0.812
Average 'Z' Factor	0.885

**BRITISH COLUMBIA**  
**PADDY / CADOTTE GAS POOLS - ALL AREAS**  
**DESCRIPTIVE STATISTICS (as of December 31,2009)**

	AREA	PAY	POR	SW	SG	PRESS	TEMP
Mean	1,414	16.28	0.101	0.250	0.750	1,639.2	155.0
Median	731	14.40	0.093	0.222	0.779	1,582.2	157.7
Standard Deviation	3,200	8.40	0.032	0.112	0.112	502.8	19.1
Sample Variance	10,241,304	70.59	0.001	0.013	0.013	252,838.3	364.7
Kurtosis	60.54	0.64	3.612	0.80	0.80	1.23	1.90
Skewness	7.62	1.04	1.677	0.87	-0.87	0.29	-1.04
Range	26,601	37.70	0.182	0.542	0.542	2,709.9	102.6
Minimum	0	3.30	0.052	0.065	0.393	544.3	89.3
Maximum	26,601	41.00	0.234	0.607	0.935	3,254.2	191.9
Sum	94,731						
Count	67	86	92	92	92	106	106
95th Percentile	2,794	33.4	0.165	0.460	0.896	2,497.0	179.3
75th Percentile	1,266	19.3	0.110	0.328	0.820	1,902.2	168.5
25th Percentile	727	10.7	0.081	0.180	0.672	1,430.3	146.9
5th Percentile	598	5.9	0.067	0.104	0.540	686.7	124.0
	H2S	CO2	OTHGAS	LIQSREC	CALCSL	C3LOSS	DENSITY
Mean	0.000	0.029	0.03	12.40	0.05	0.02	0.596
Median	0.000	0.012	0.02	10.67	0.04	0.01	0.622
Standard Deviation	0.000	0.057	0.06	9.39	0.06	0.01	0.137
Sample Variance	0.000	0.003	0.00	88.21	0.00	0.00	0.019
Kurtosis	#DIV/0!	37.46	37.28	0.50	38.45	0.33	14.97
Skewness	#DIV/0!	5.59	5.58	0.98	5.63	0.94	-3.92
Range	0.000	0.473	0.47	43.19	0.47	0.06	0.786
Minimum	0.000	0.000	0.00	0.31	0.01	0.00	0.000
Maximum	0.000	0.473	0.47	43.51	0.48	0.06	0.786
Sum							
Count	106	106	106	106	106	106	106
95th Percentile	0.000	0.091	0.09	30.97	0.10	0.04	0.674
75th Percentile	0.000	0.028	0.03	15.99	0.05	0.02	0.644
25th Percentile	0.000	0.008	0.01	4.49	0.03	0.01	0.603
5th Percentile	0.000	0.004	0.01	1.58	0.02	0.00	0.538
	Z	GIP_BCF	RRG_BCF	IMG_BCF	GRF_REC	GRF_MG	MFD
Mean	0.885	8.255	6.799	5.966	0.798	0.700	7,045.6
Median	0.886	4.476	3.450	3.135	0.900	0.774	7,183.0
Standard Deviation	0.027	12.755	11.369	9.876	0.196	0.180	1,521.4
Sample Variance	0.001	162.689	129.260	97.529	0.038	0.033	2,314,565
Kurtosis	0.173	17.315	18.821	18.706	5.89	4.50	0.87
Skewness	0.224	3.888	4.075	4.050	-2.55	-2.24	-0.31
Range	0.142	80.778	72.835	63.407	0.890	0.846	8,547.0
Minimum	0.812	0.172	0.020	0.014	0.010	0.007	2,482.0
Maximum	0.954	80.951	72.855	63.421	0.900	0.853	11,029.0
Sum		875.02	720.74	632.41			
Count	106	106	106	106	106	106	104
95th Percentile	0.923	26.45	23.81	20.71	0.900	0.845	9,528.5
75th Percentile	0.905	8.64	6.66	6.00	0.900	0.786	7,764.1
25th Percentile	0.865	2.12	1.66	1.36	0.800	0.691	6,338.4
5th Percentile	0.845	0.53	0.39	0.32	0.256	0.229	4,571.8

**PADDY / CADOTTE GAS POOLS - ALL AREAS**

**AVERAGE GAS COMPOSITION  
(WEIGHTED by RECOVERABLE RAW GAS)**

		MOLE FRACTION
<b>C1</b>	METHANE	0.9062
<b>C2</b>	ETHANE	0.0508
<b>C3</b>	PROPANE	0.0121
<b>IC4</b>	ISO-BUTANE	0.0023
<b>NC4</b>	N-BUTANE	0.0024
<b>IC5</b>	ISO-PENTANE	0.0009
<b>NC5</b>	N-PENTANE	0.0006
<b>C6</b>	HEXANE	0.0007
<b>C7+</b>	HEPTANE PLUS	0.0011
<b>H2</b>	HYDROGEN	0.0001
<b>HE</b>	HELIUM	0.0001
<b>N2</b>	NITROGEN	0.0045
<b>CO2</b>	CARBON DIOXIDE	0.0179
<b>H2S</b>	HYDROGEN SULPHIDE	0.0000
	DENSITY	0.604
	CALC LIQUIDS (B/MMCF)	12.71

**PADDY / CADOTTE GAS POOLS - ALL AREAS**

SUMMARY OF H2S CONTENT					
CODE	% H2S	POOLS	RAW GAS BCF	% POOLS	% RAW GAS
0	0	106	875.0	100.0%	100.0%
1	.01 - .09%	0	0.0	0.0%	0.0%
2	.1 - 1.99%	0	0.0	0.0%	0.0%
3	2.0 - 9.99%	0	0.0	0.0%	0.0%
4	10.0 - 19.99%	0	0.0	0.0%	0.0%
5	20.0 - 29.99%	0	0.0	0.0%	0.0%
6	30.0% or More	0	0.0	0.0%	0.0%
	TOTAL	106	875.0	100.0%	100.0%

SUMMARY OF CO2 CONTENT					
CODE	% CO2	POOLS	RAW GAS BCF	% POOLS	% RAW GAS
0	0	0	0.0	0.0%	0.0%
1	.01 - .09%	2	4.8	1.9%	0.6%
2	.1 - 1.99%	71	712.5	68.9%	81.9%
3	2.0 - 9.99%	28	146.6	27.2%	16.8%
4	10.0 - 19.99%	2	6.5	1.9%	0.8%
	TOTAL	103	870.5	100.0%	100.0%

H2S > 10%	0	0.0	0.0%	0.0%
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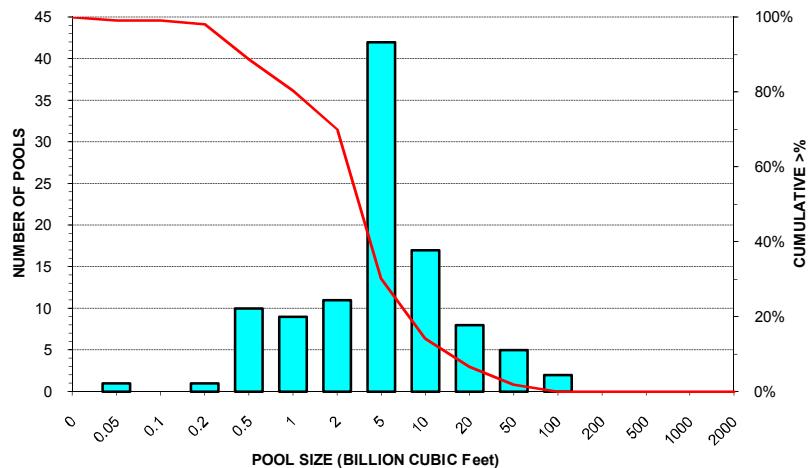
## PADDY / CADOTTE GAS POOLS - ALL AREAS

### POOL SIZE DISTRIBUTION INITIAL MARKETABLE GAS (Billion Cubic Feet)

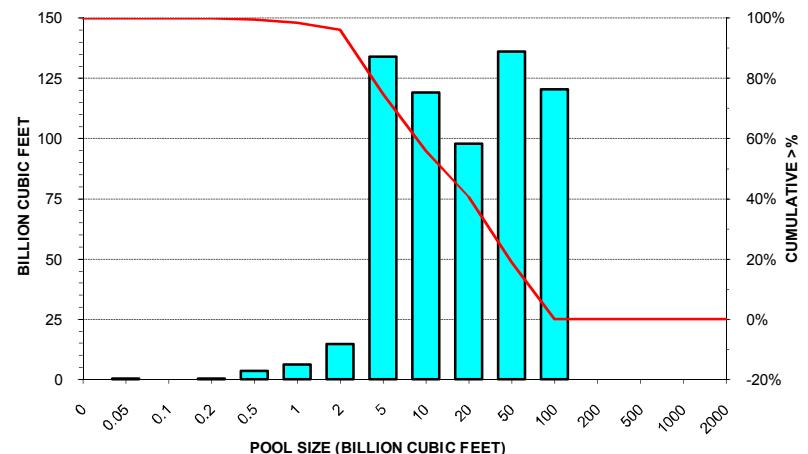
Size Bcf	No. of Pools	IMG Bcf	% of Pools	Cum %	% of IMG	Cum %
0	0	0.0	0.0%	100.0%	0.0%	100.0%
0.05	1	0.0	0.9%	99.1%	0.0%	100.0%
0.1	0	0.0	0.0%	99.1%	0.0%	100.0%
0.2	1	0.1	0.9%	98.1%	0.0%	100.0%
0.5	10	3.5	9.4%	88.7%	0.6%	99.4%
1	9	6.4	8.5%	80.2%	1.0%	98.4%
2	11	14.6	10.4%	69.8%	2.3%	96.1%
5	42	134.0	39.6%	30.2%	21.2%	74.9%
10	17	119.2	16.0%	14.2%	18.9%	56.1%
20	8	98.0	7.5%	6.6%	15.5%	40.6%
50	5	136.1	4.7%	1.9%	21.5%	19.0%
100	2	120.5	1.9%	0.0%	19.0%	0.0%
200	0	0.0	0.0%	0.0%	0.0%	0.0%
500	0	0.0	0.0%	0.0%	0.0%	0.0%
1000	0	0.0	0.0%	0.0%	0.0%	0.0%
2000	0	0.0	0.0%	0.0%	0.0%	0.0%
Total	106	632.4				

Total Number of Pools	106
Initial Marketable Gas	632
Largest Pool	63
Mean Pool Size	6.0
Median Pool Size	3.1
95th Percentile	20.7
75th Percentile	6.0
25th Percentile	1.4

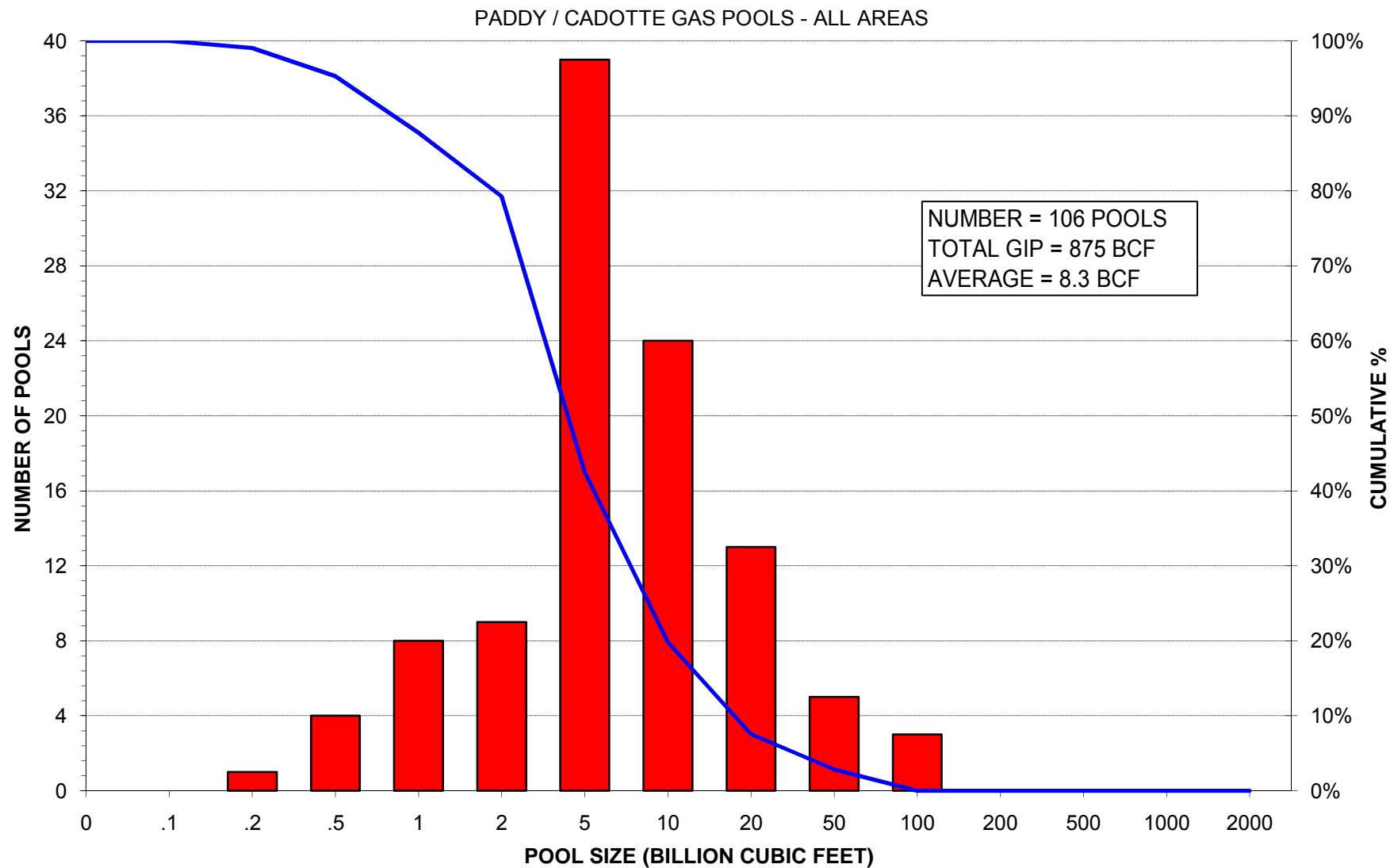
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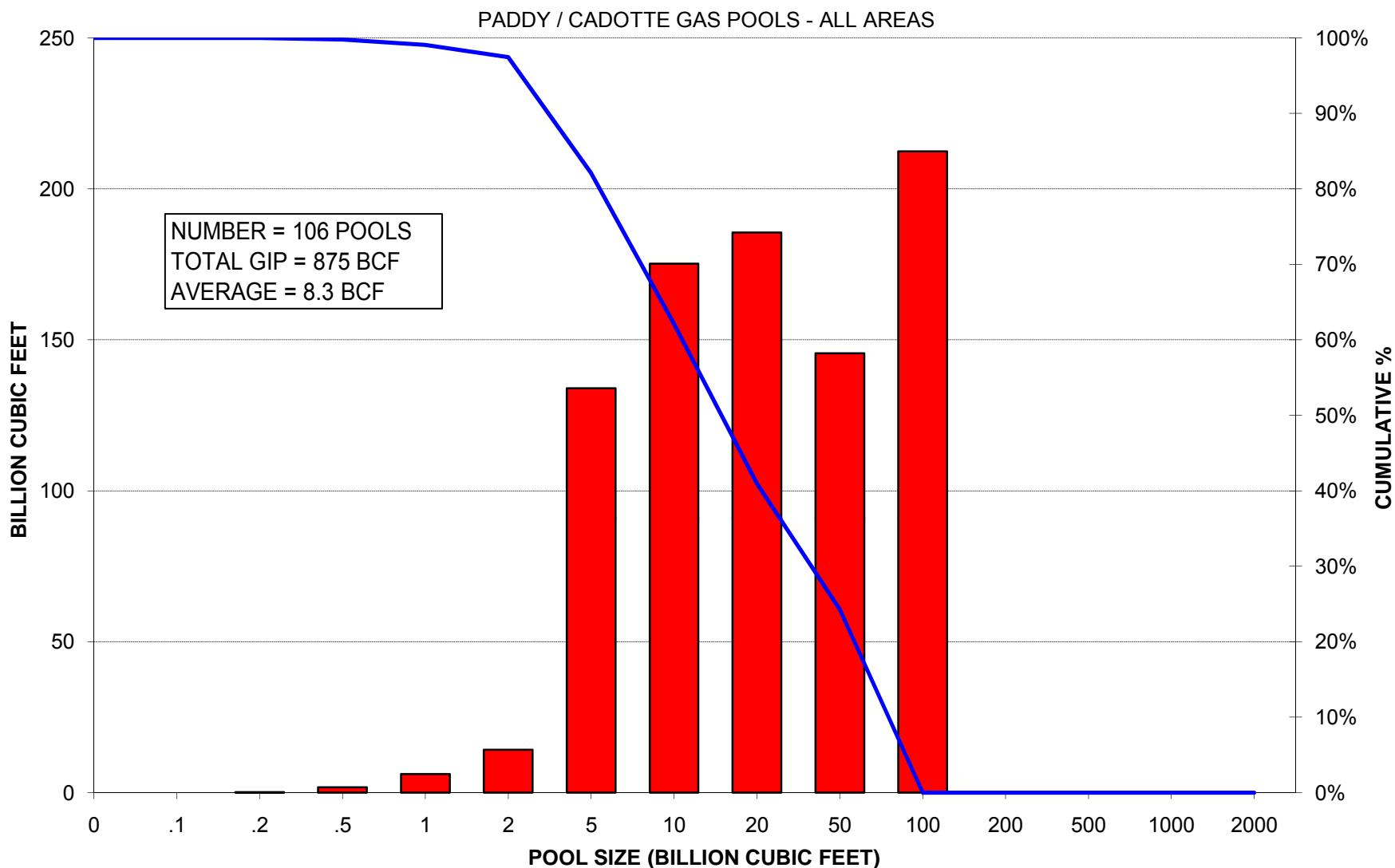
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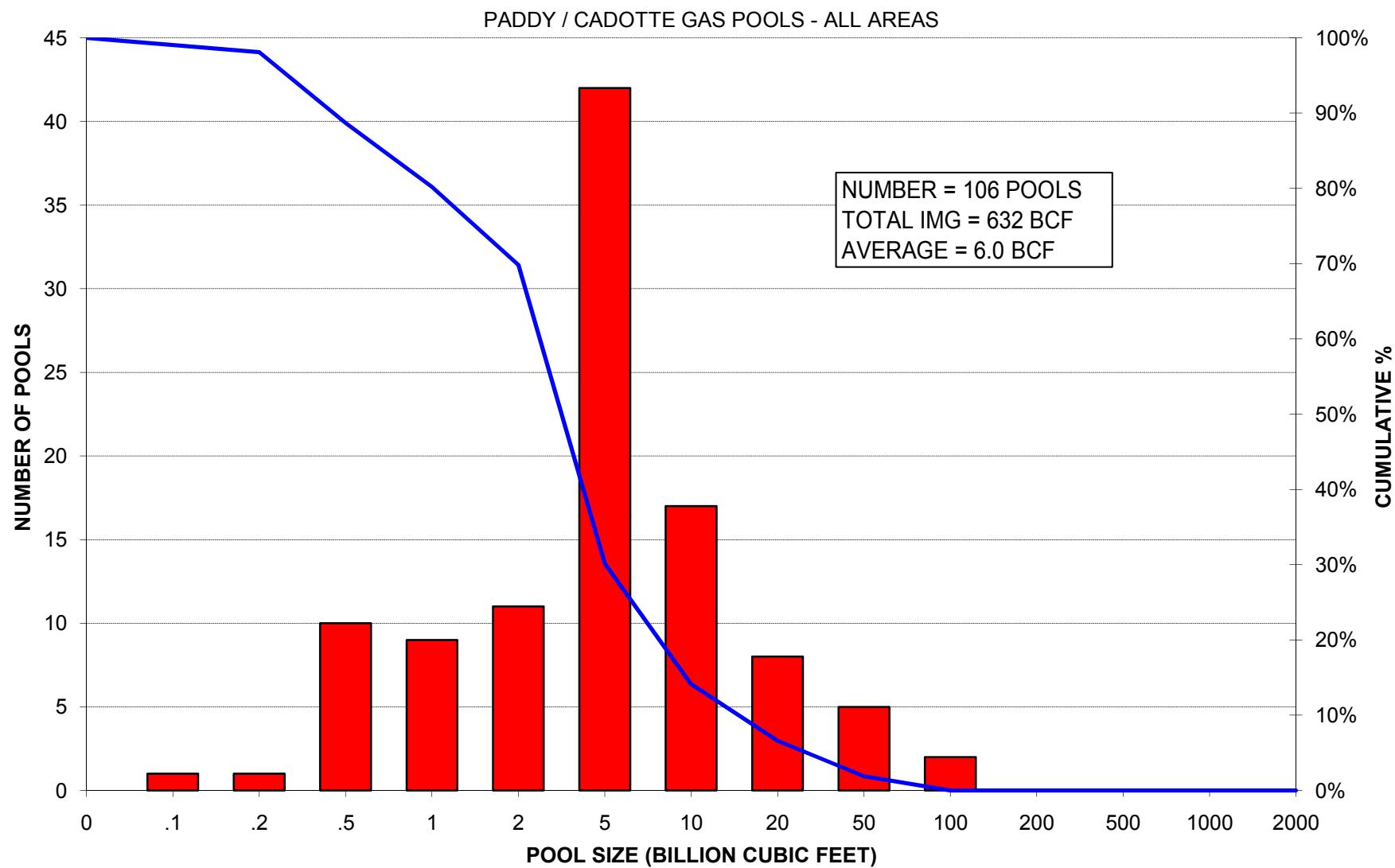
## BRITISH COLUMBIA GAS-IN-PLACE POOL SIZE DISTRIBUTION



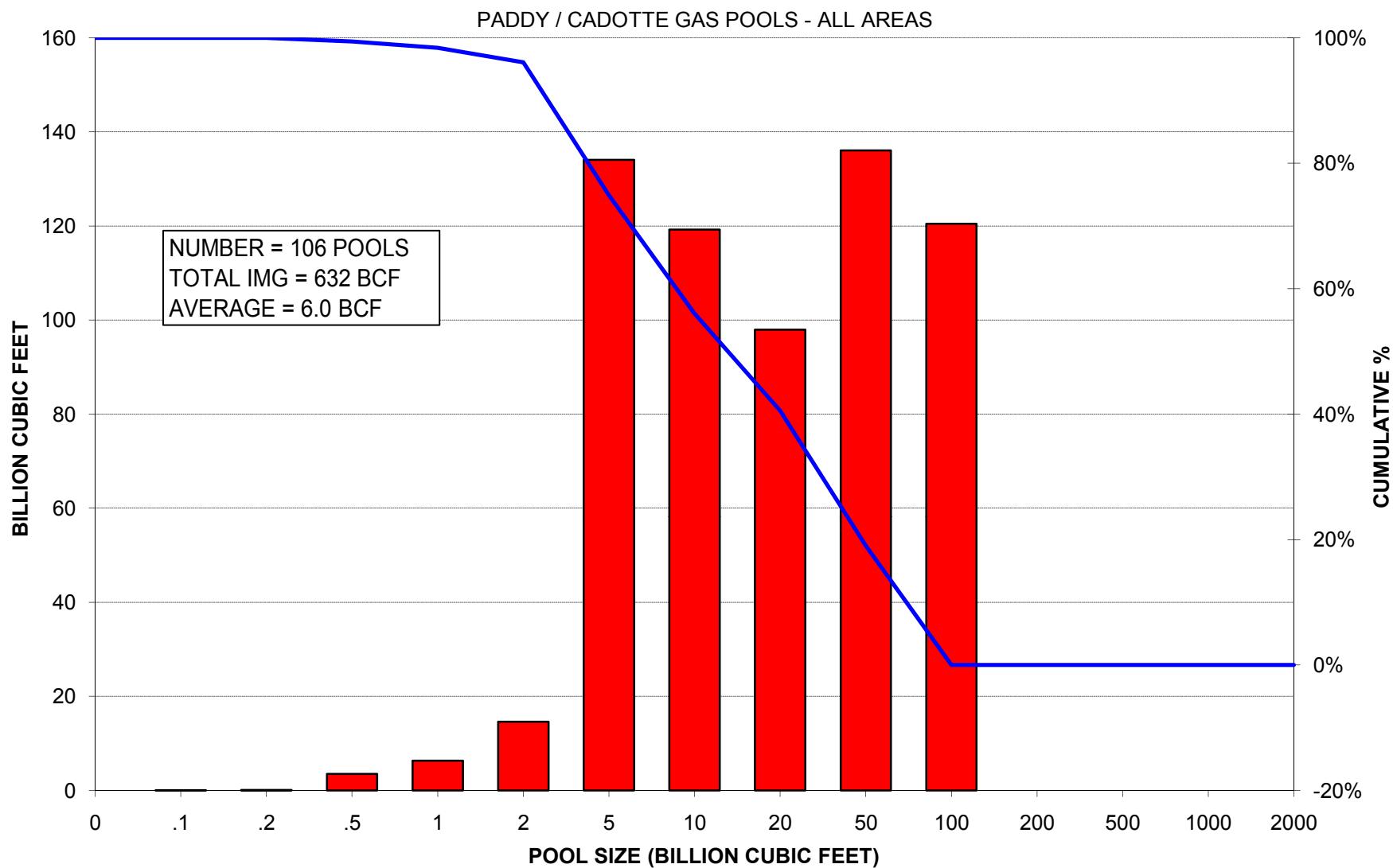
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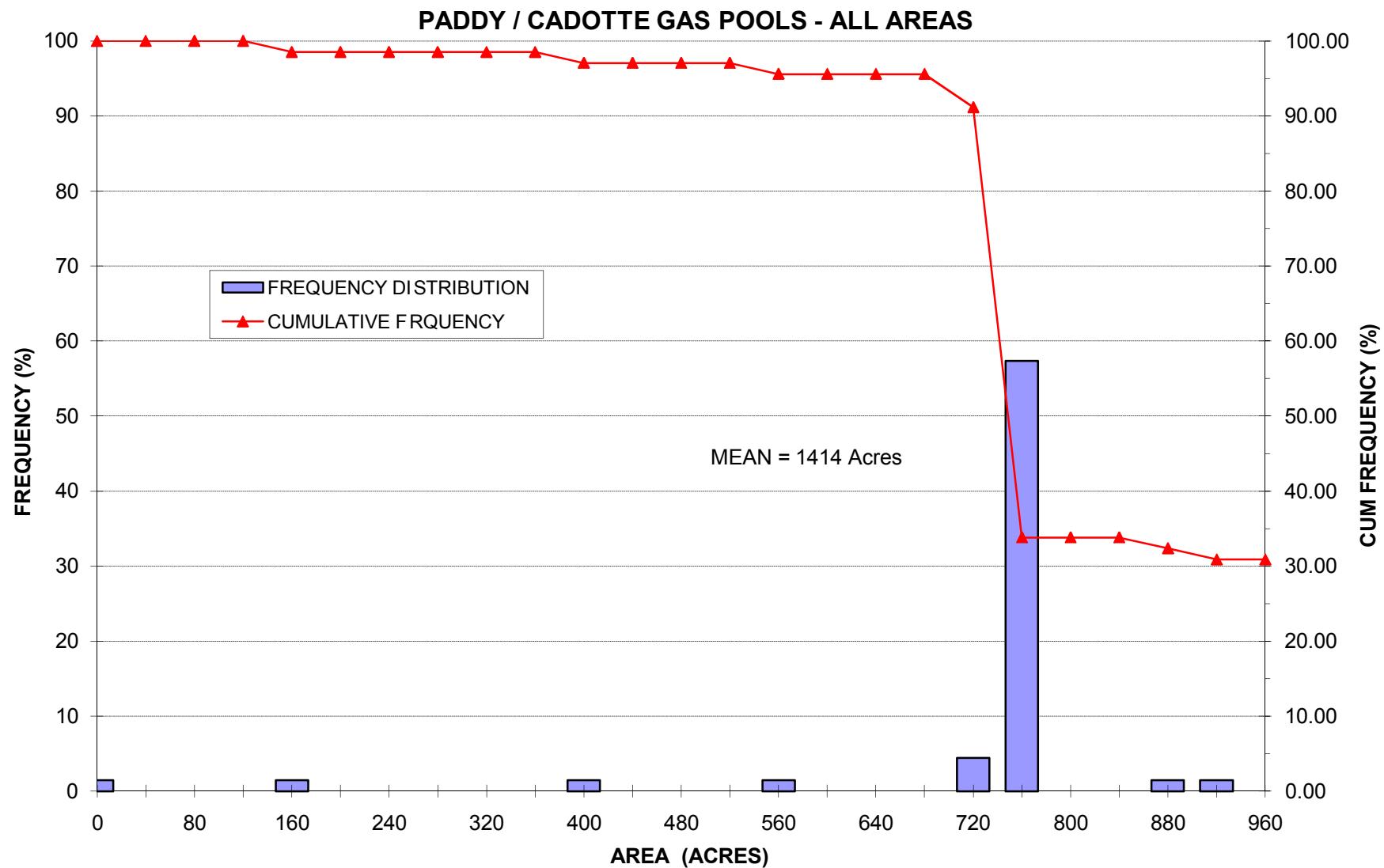
## BRITISH COLUMBIA MARKETABLE GAS POOL SIZE DISTRIBUTION



## BRITISH COLUMBIA MARKETABLE GAS POOL SIZE DISTRIBUTION

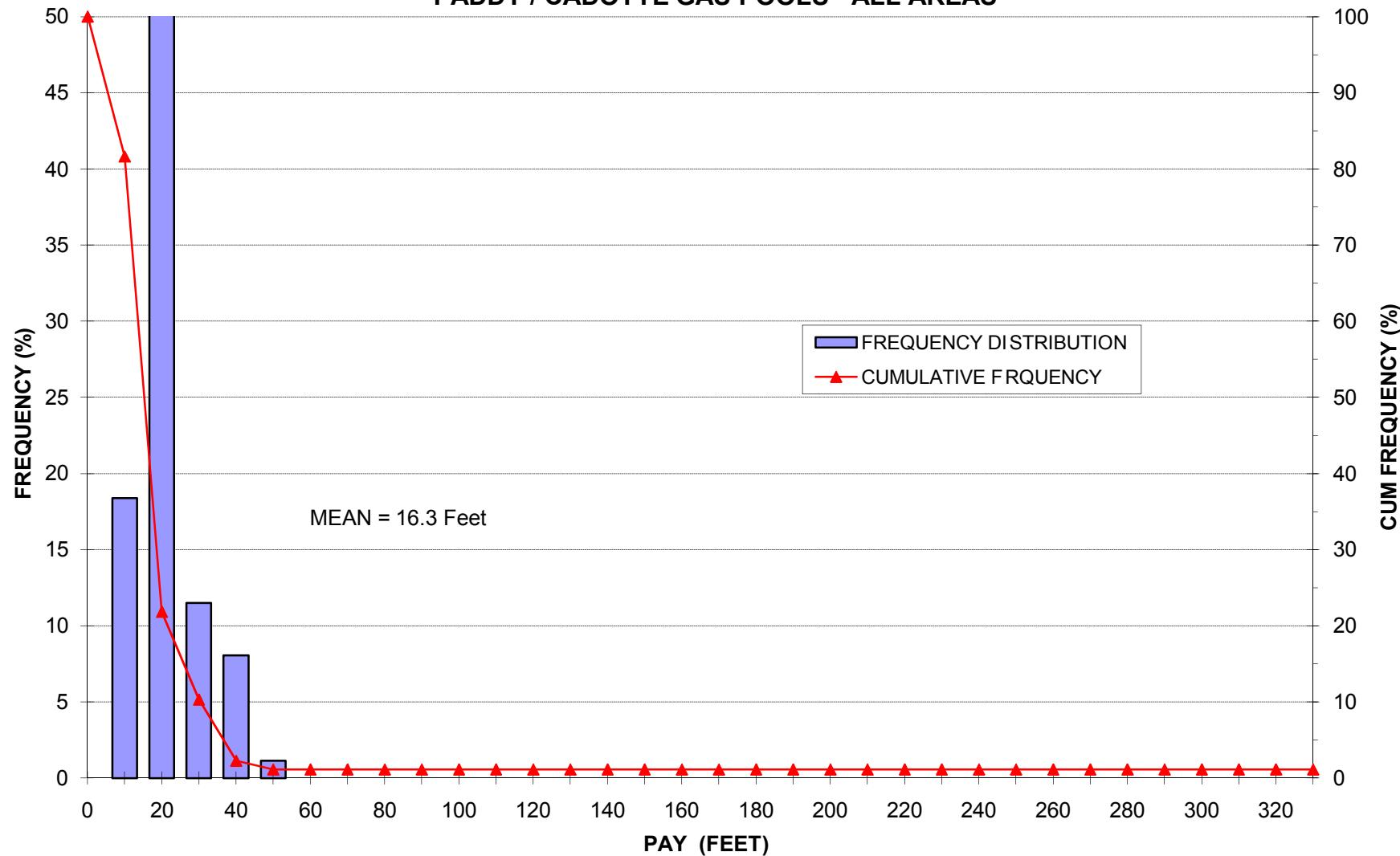


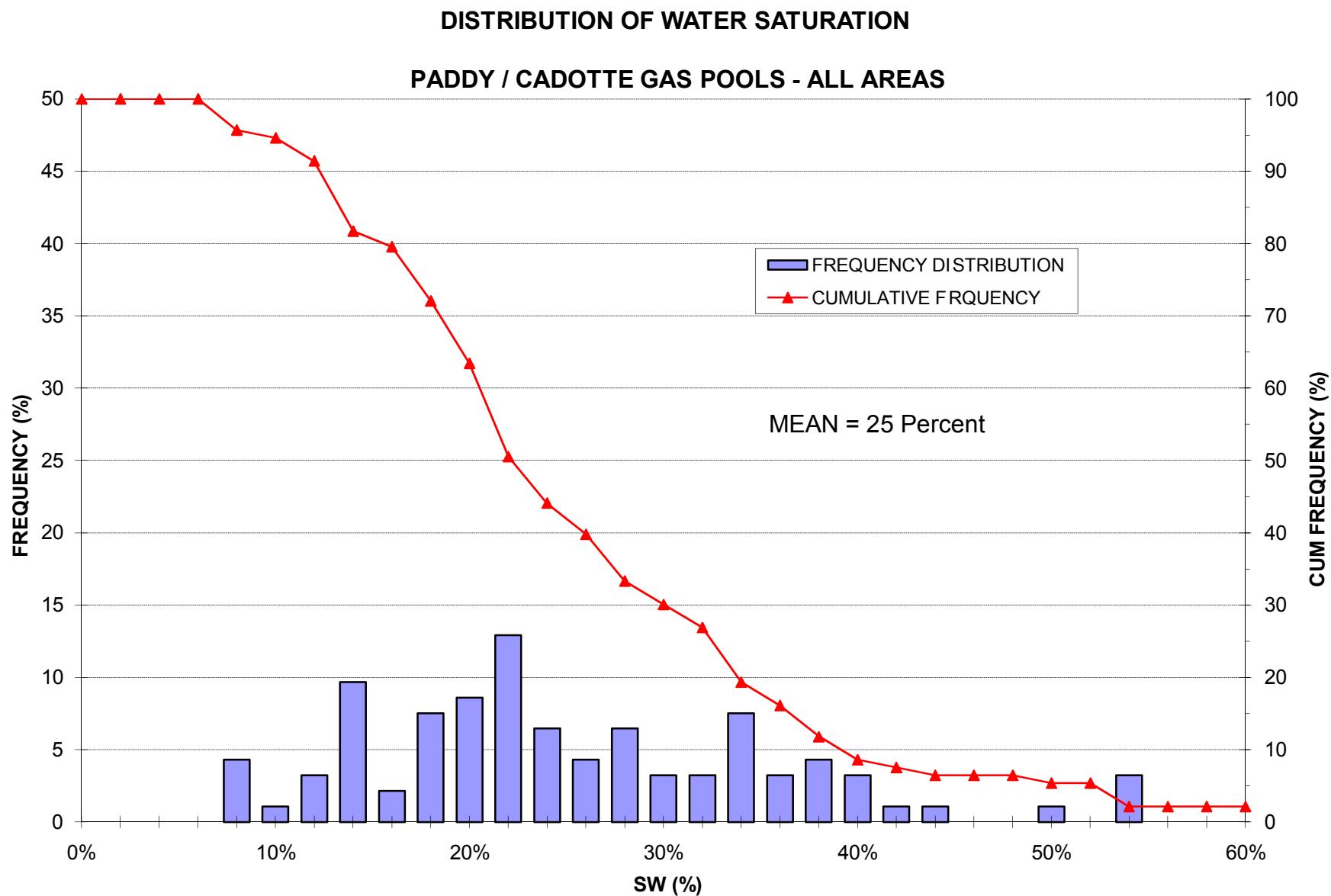
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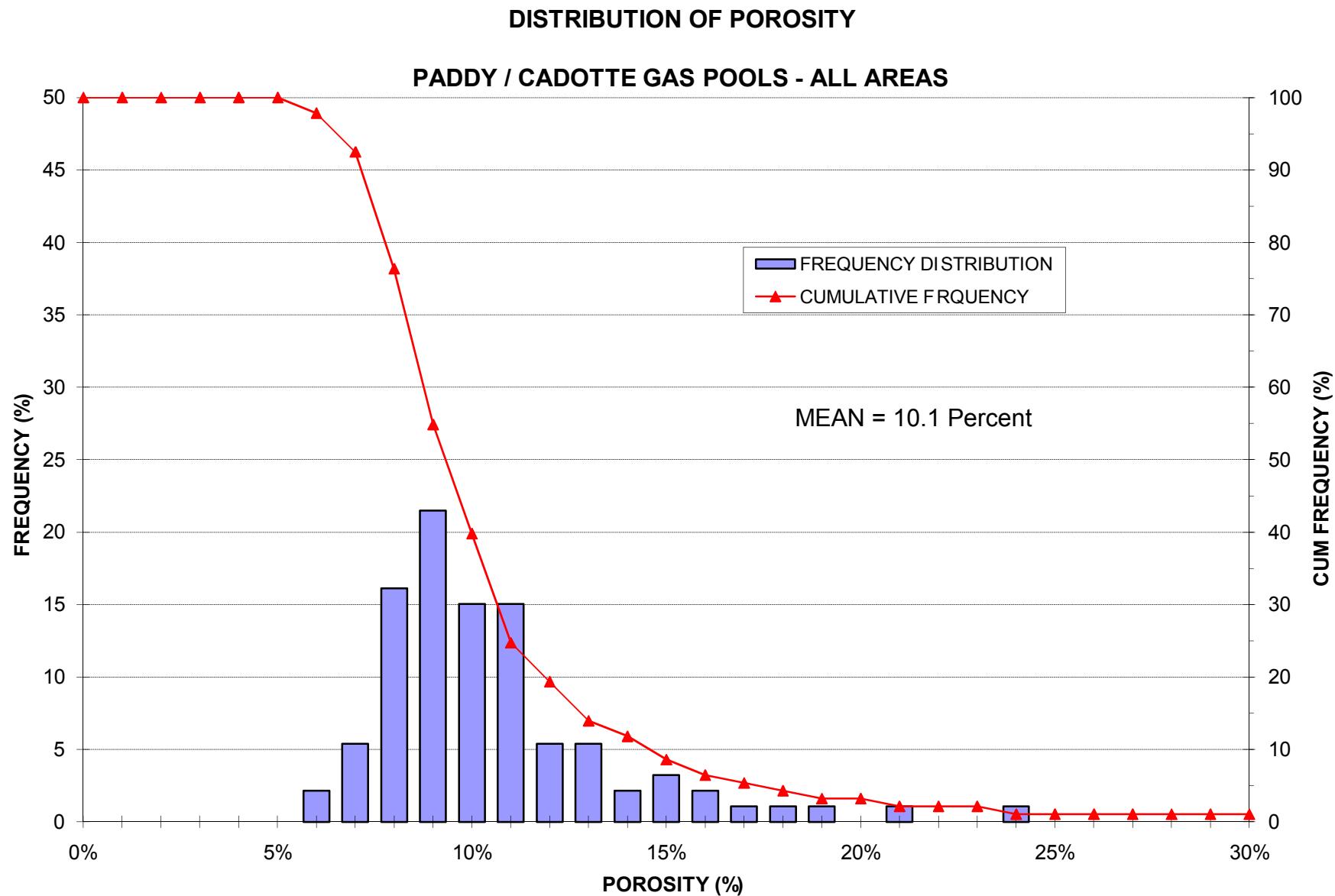


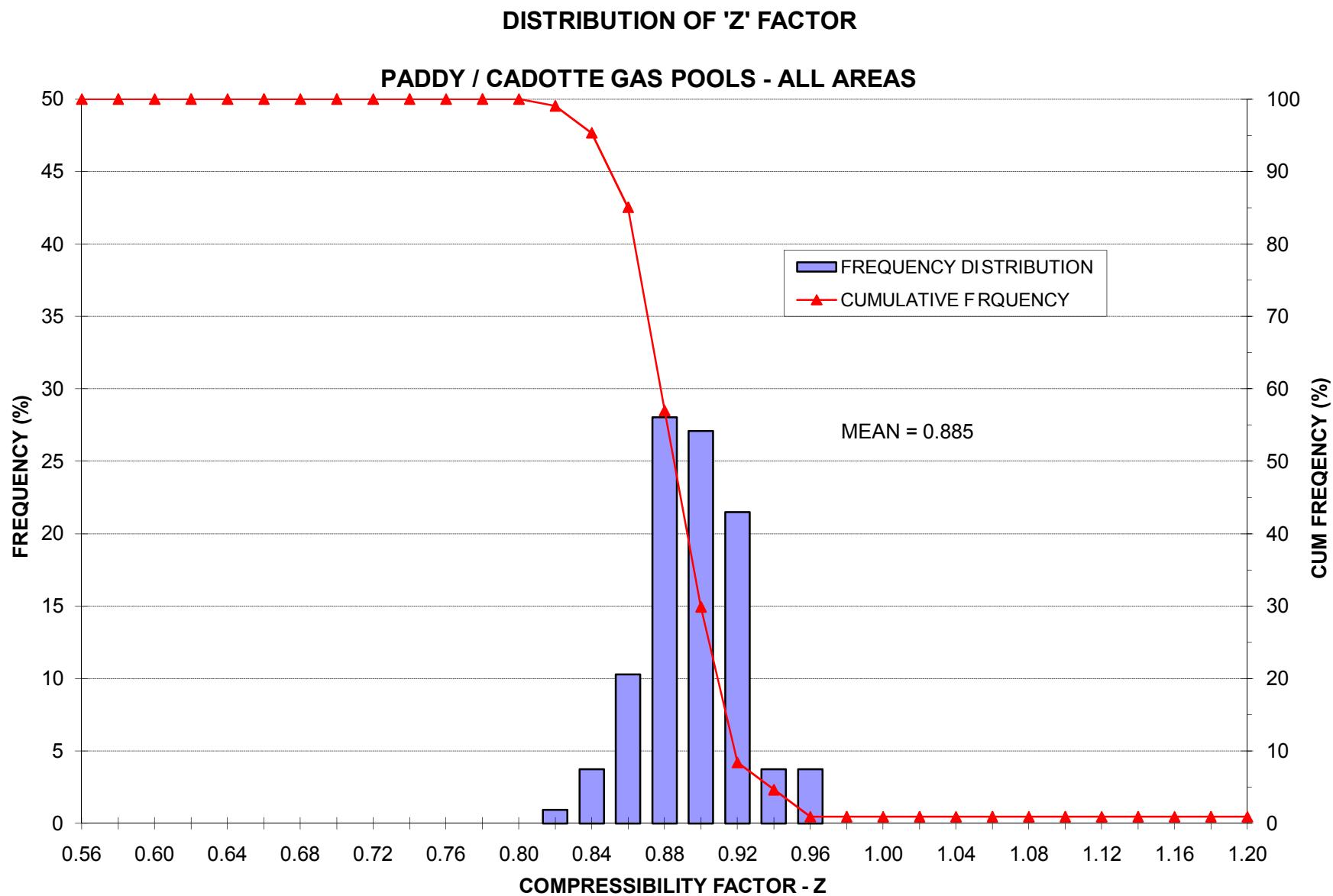
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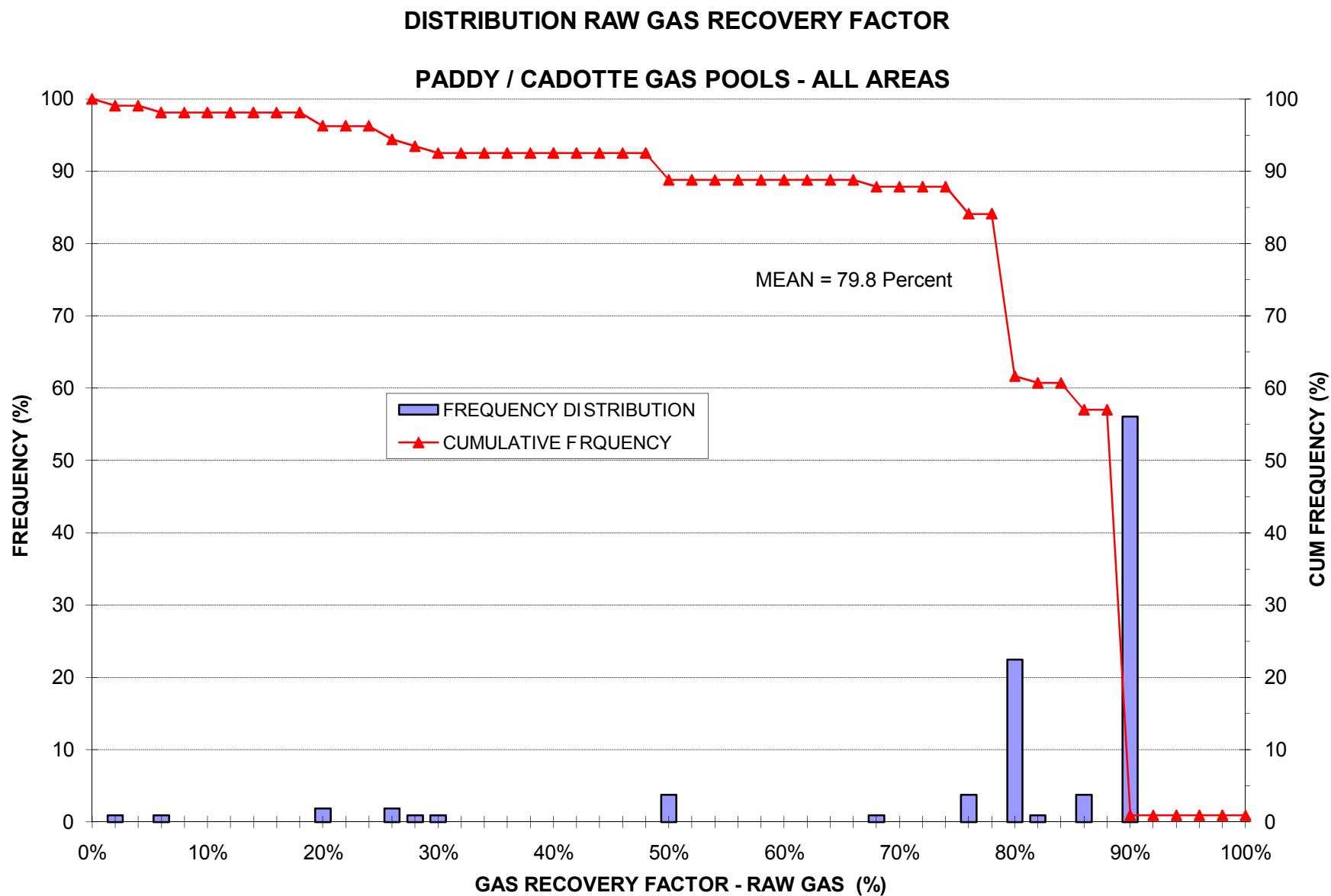
PADDY / CADOTTE GAS POOLS - ALL AREAS





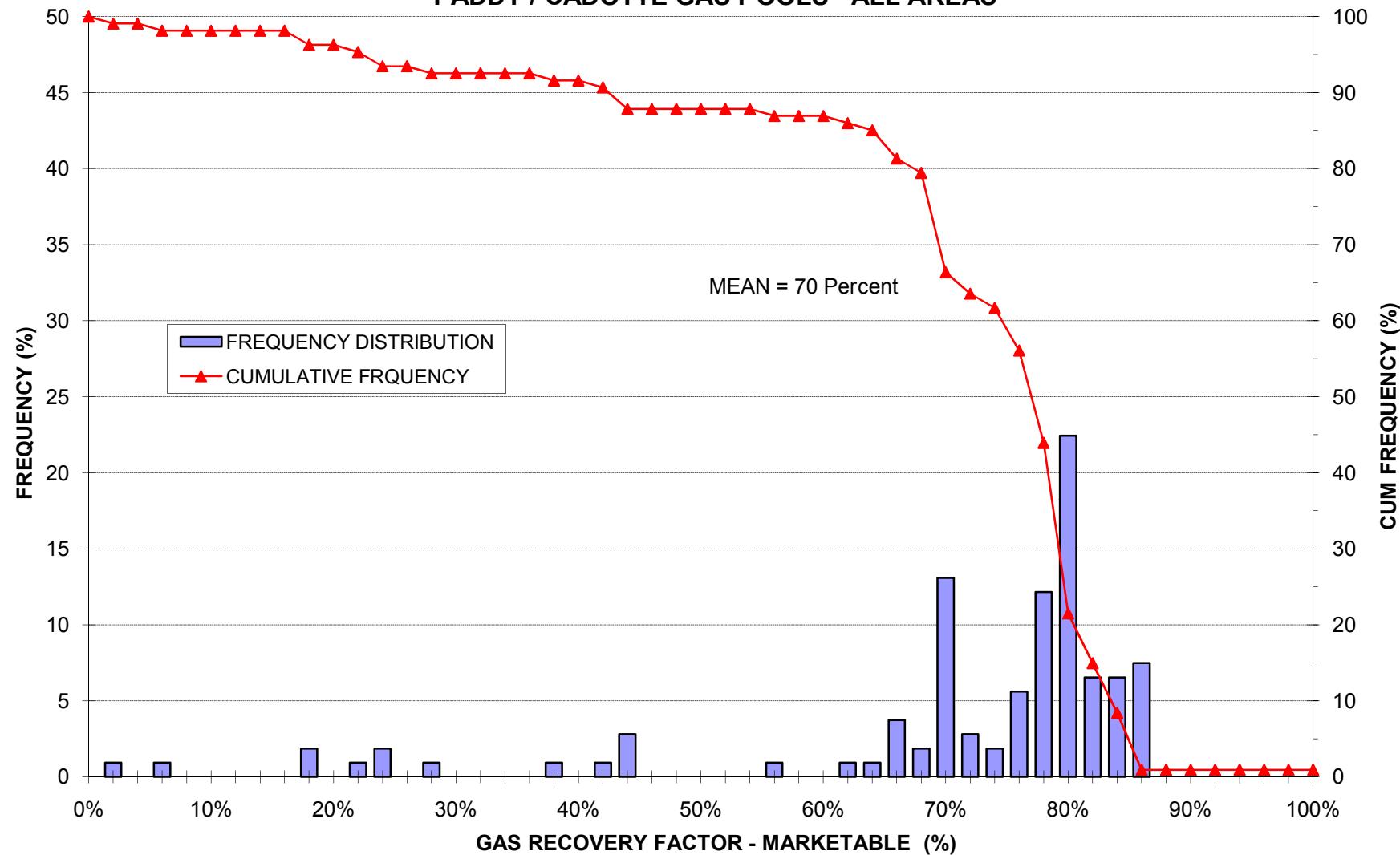






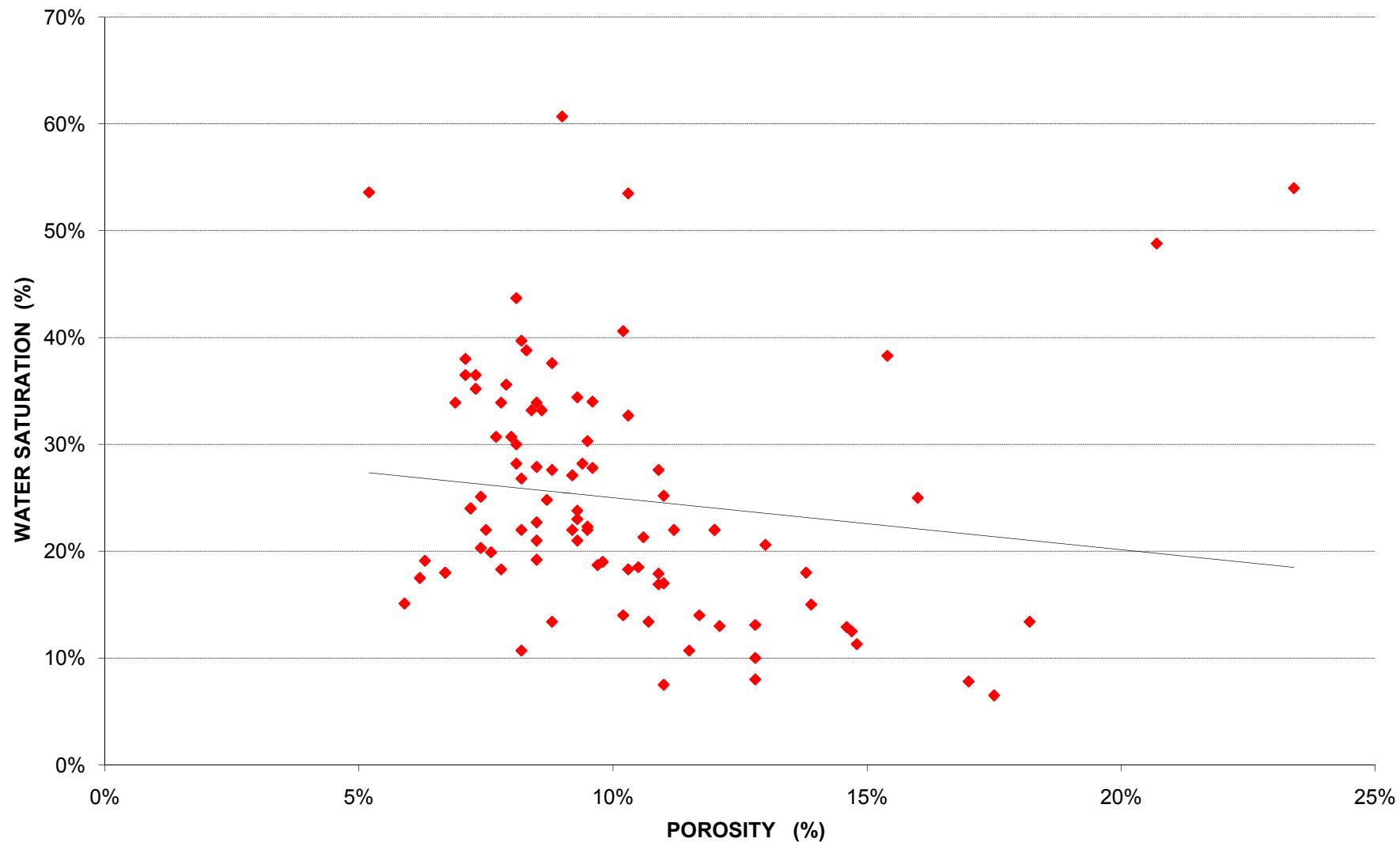
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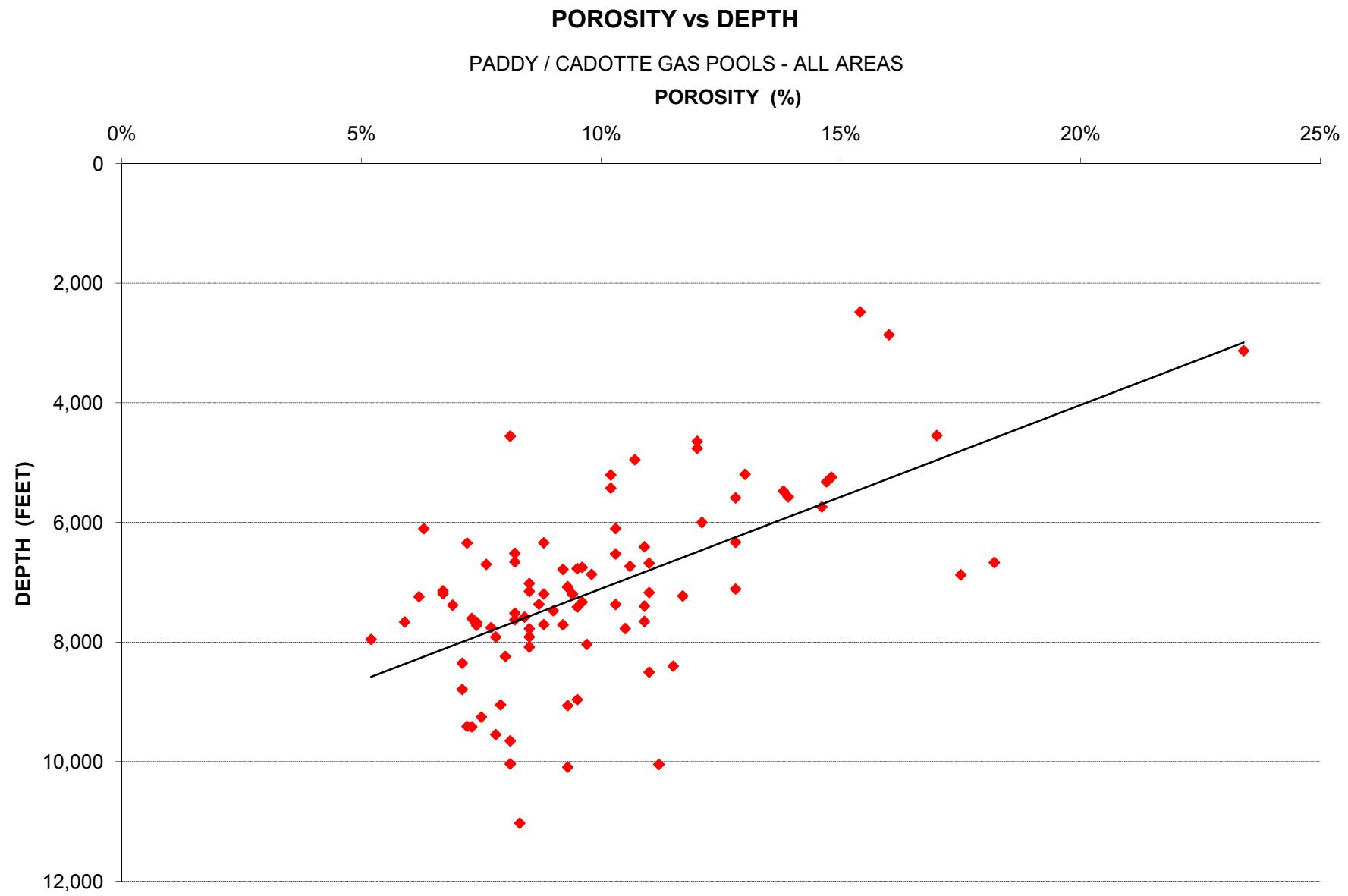
### PADDY / CADOTTE GAS POOLS - ALL AREAS



## POROSITY vs WATER SATURATION

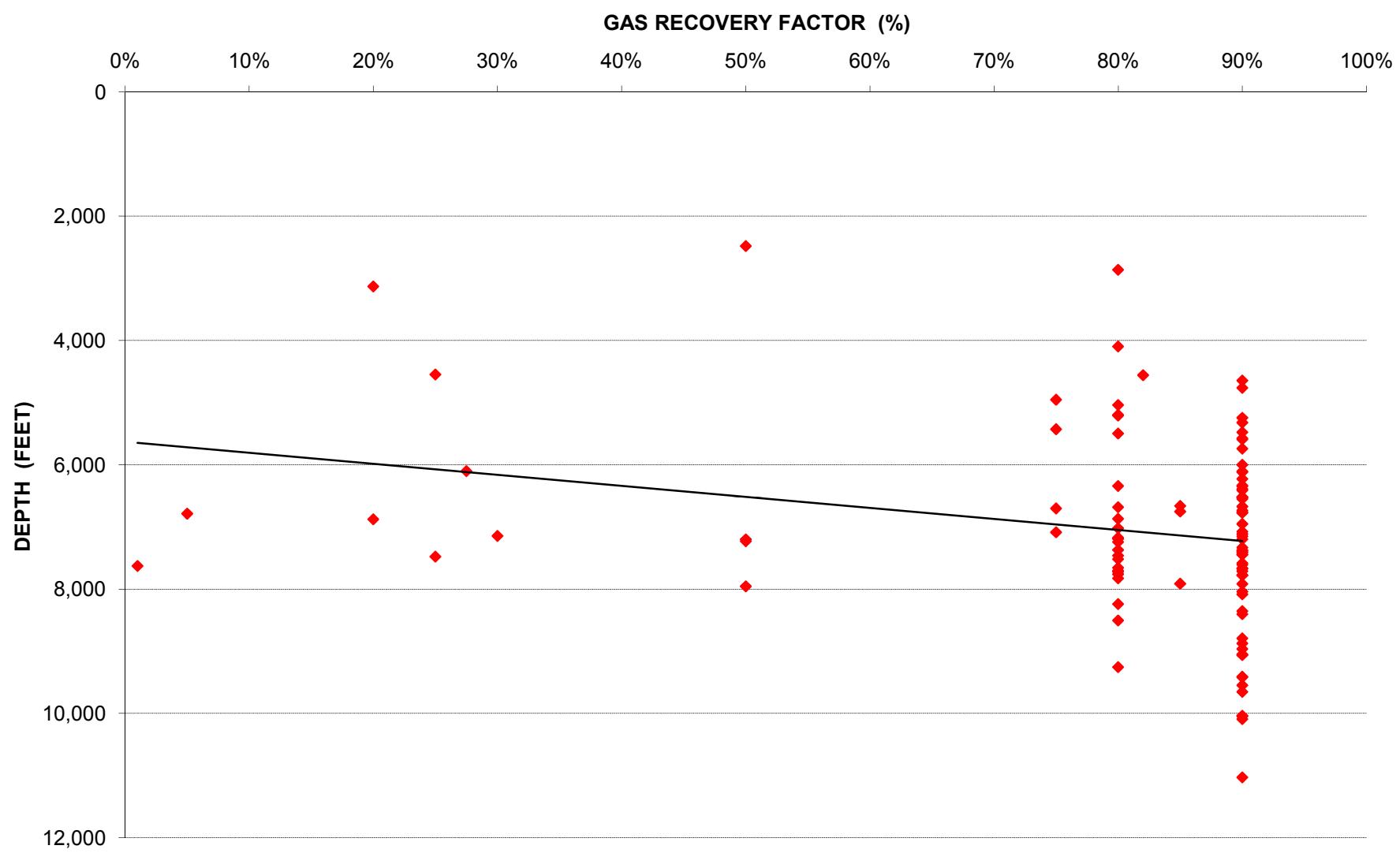
PADDY / CADOTTE GAS POOLS - ALL AREAS





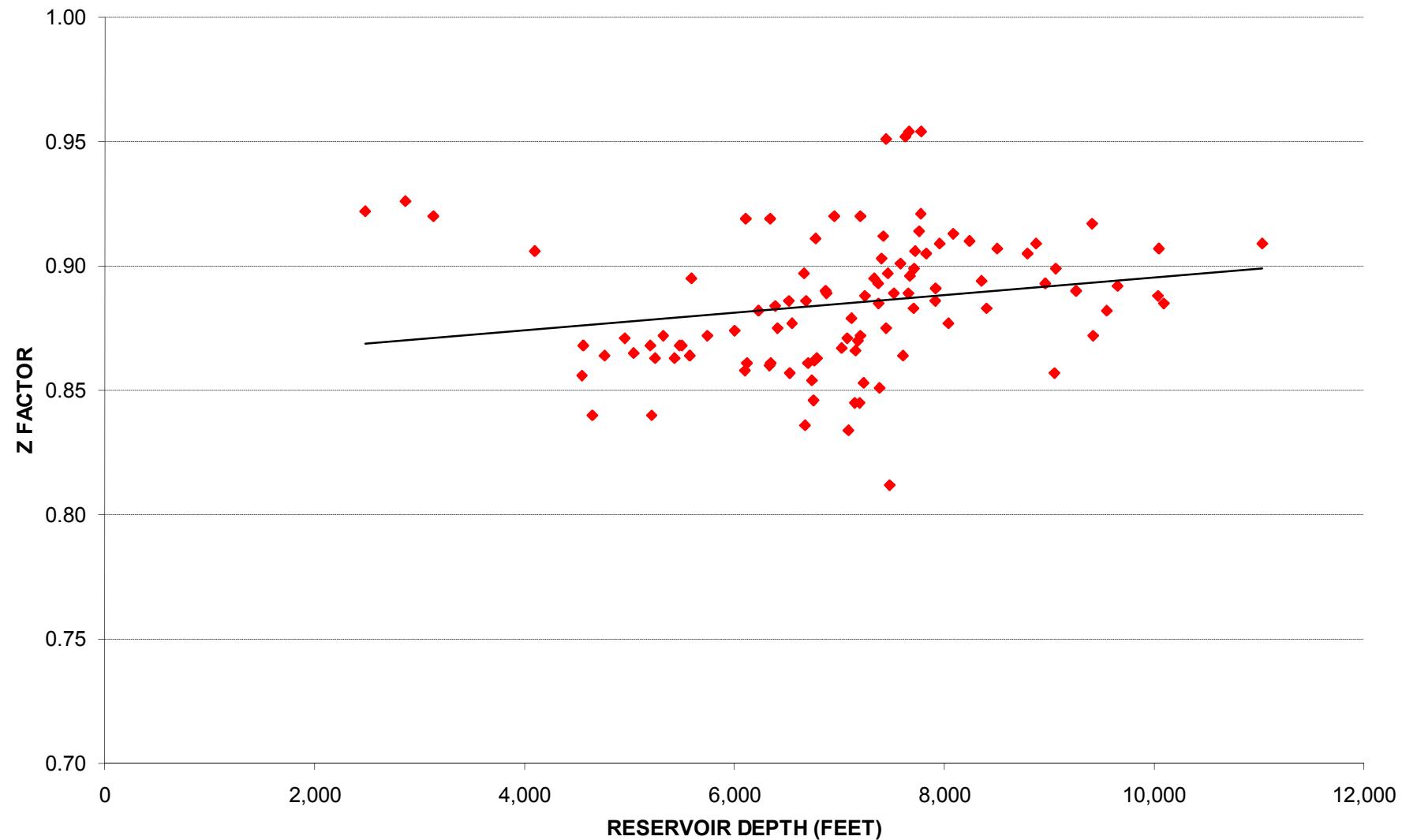
## GAS RECOVERY FACTOR vs DEPTH

PADDY / CADOTTE GAS POOLS - ALL AREAS



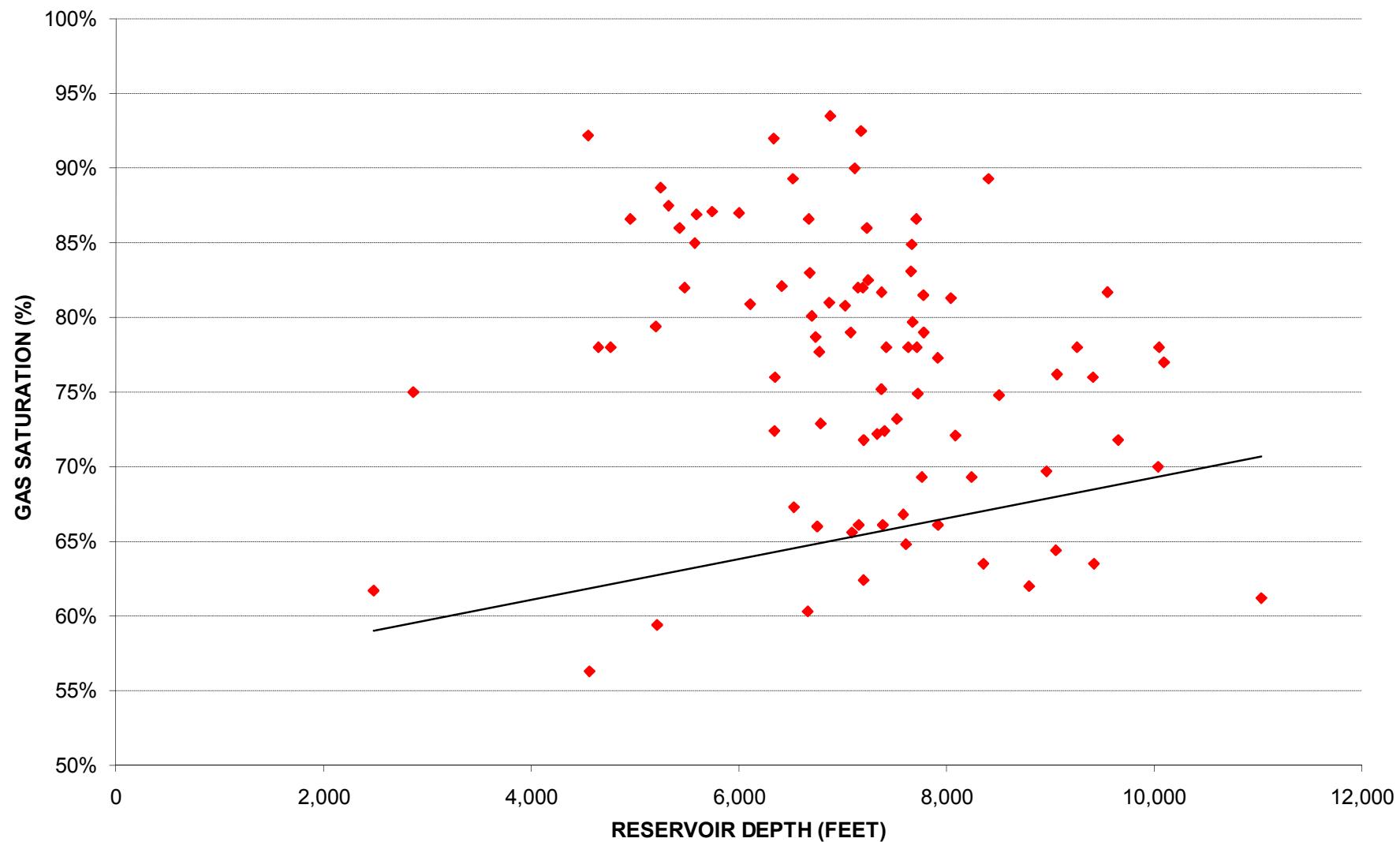
## GAS COMPRESSIBILITY (Z) vs DEPTH

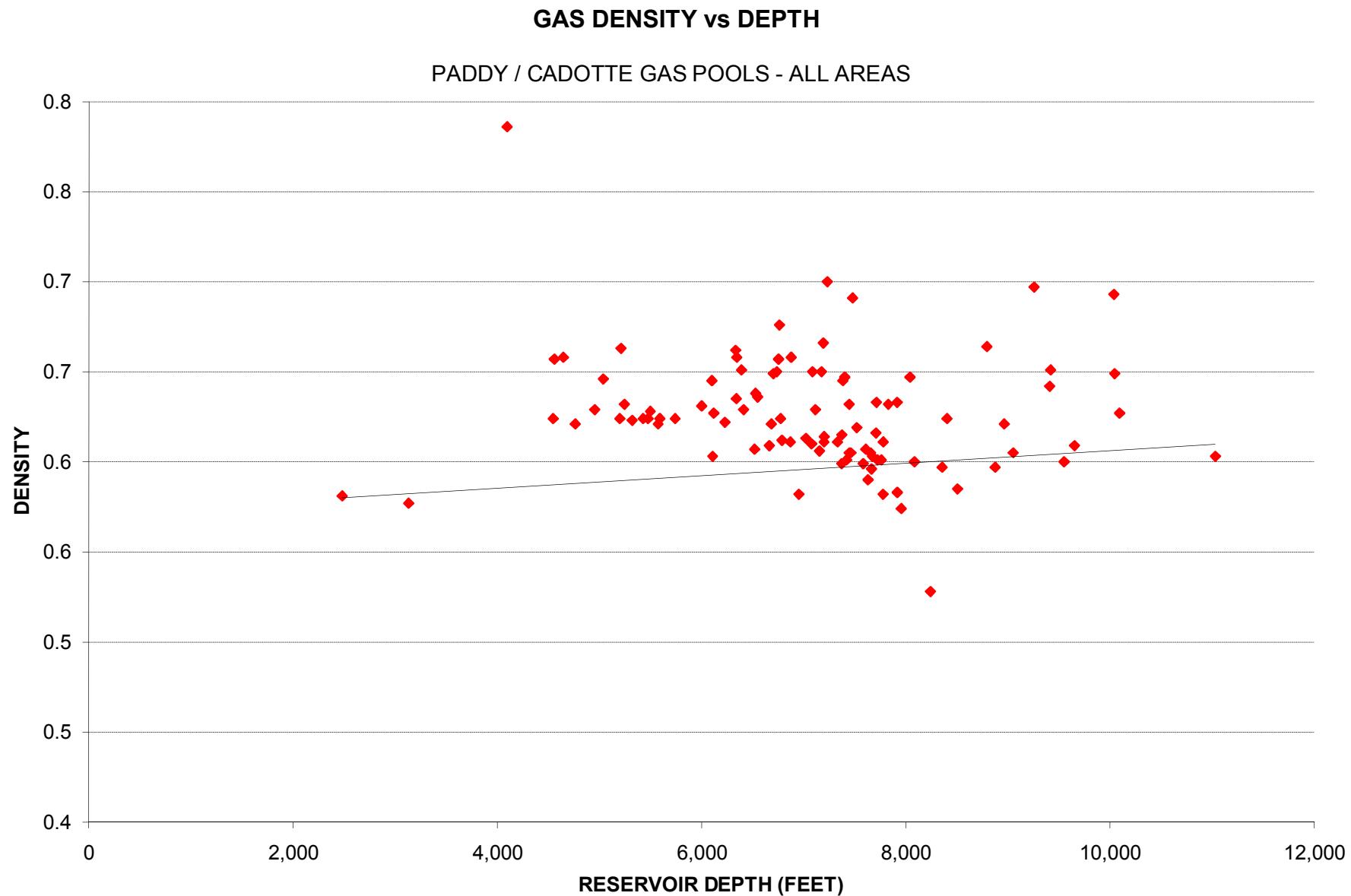
PADDY / CADOTTE GAS POOLS - ALL AREAS



## GAS SATURATION vs DEPTH

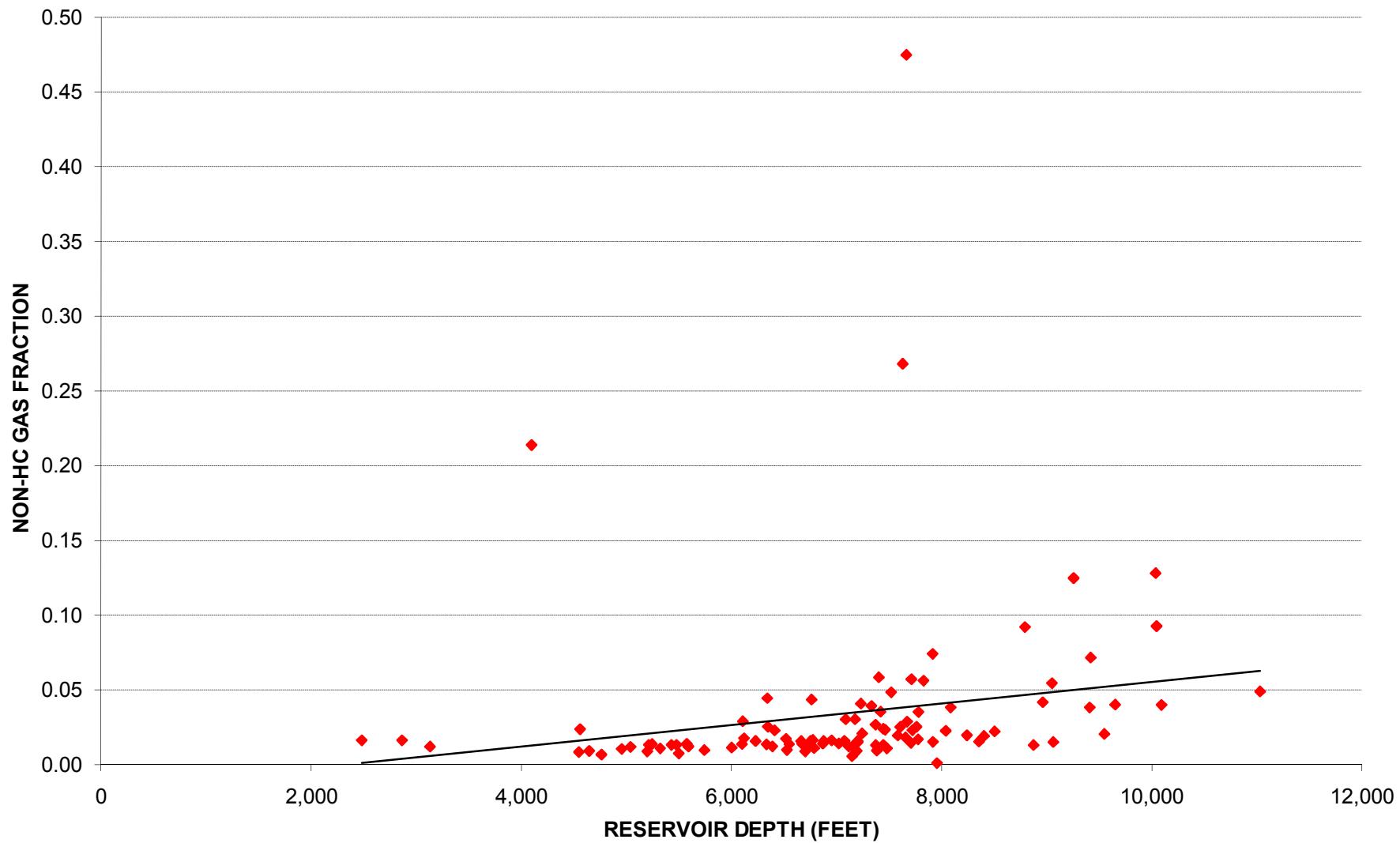
PADDY / CADOTTE GAS POOLS - ALL AREAS

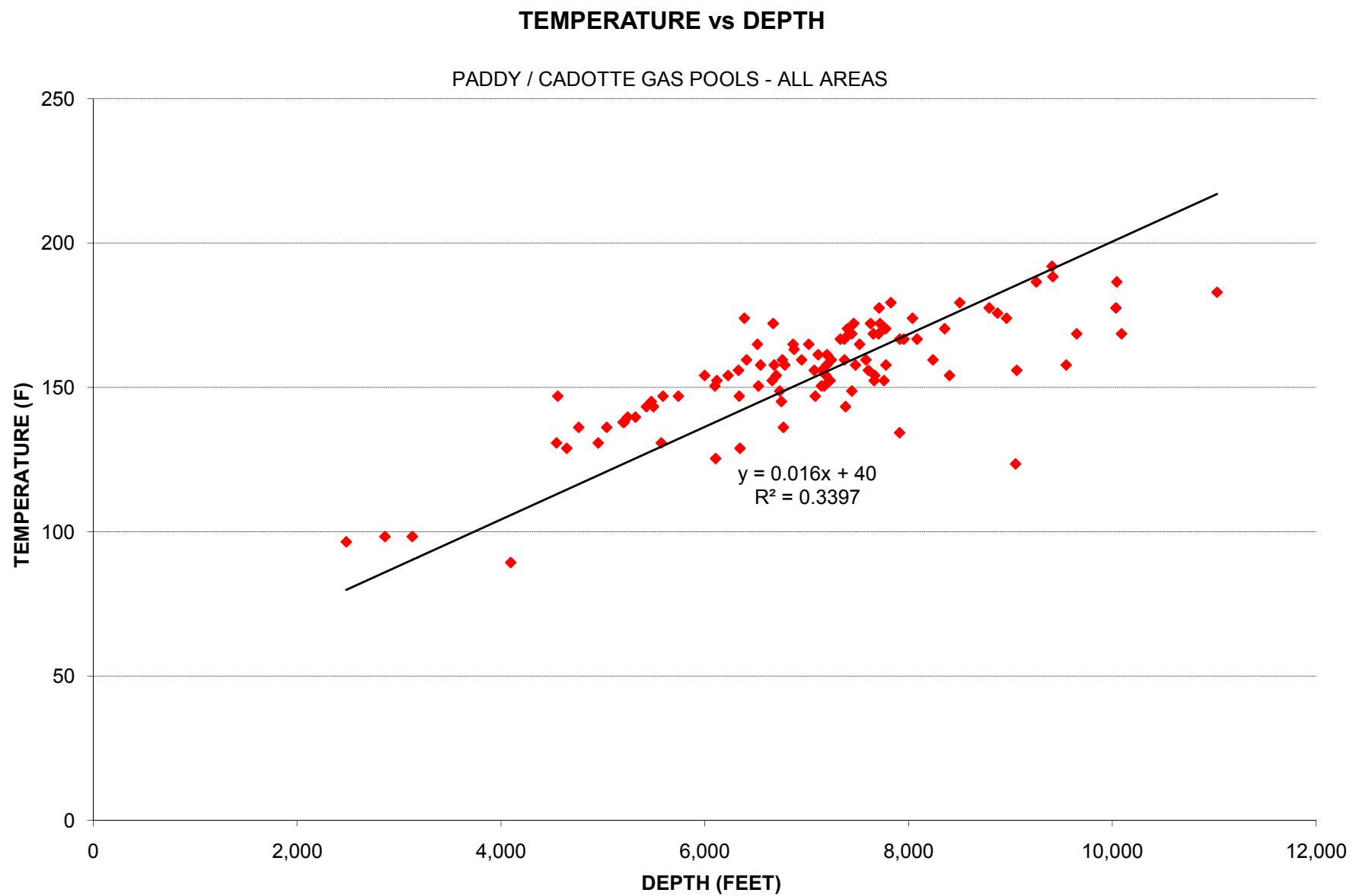




## NON-HC GAS FRACTION vs DEPTH

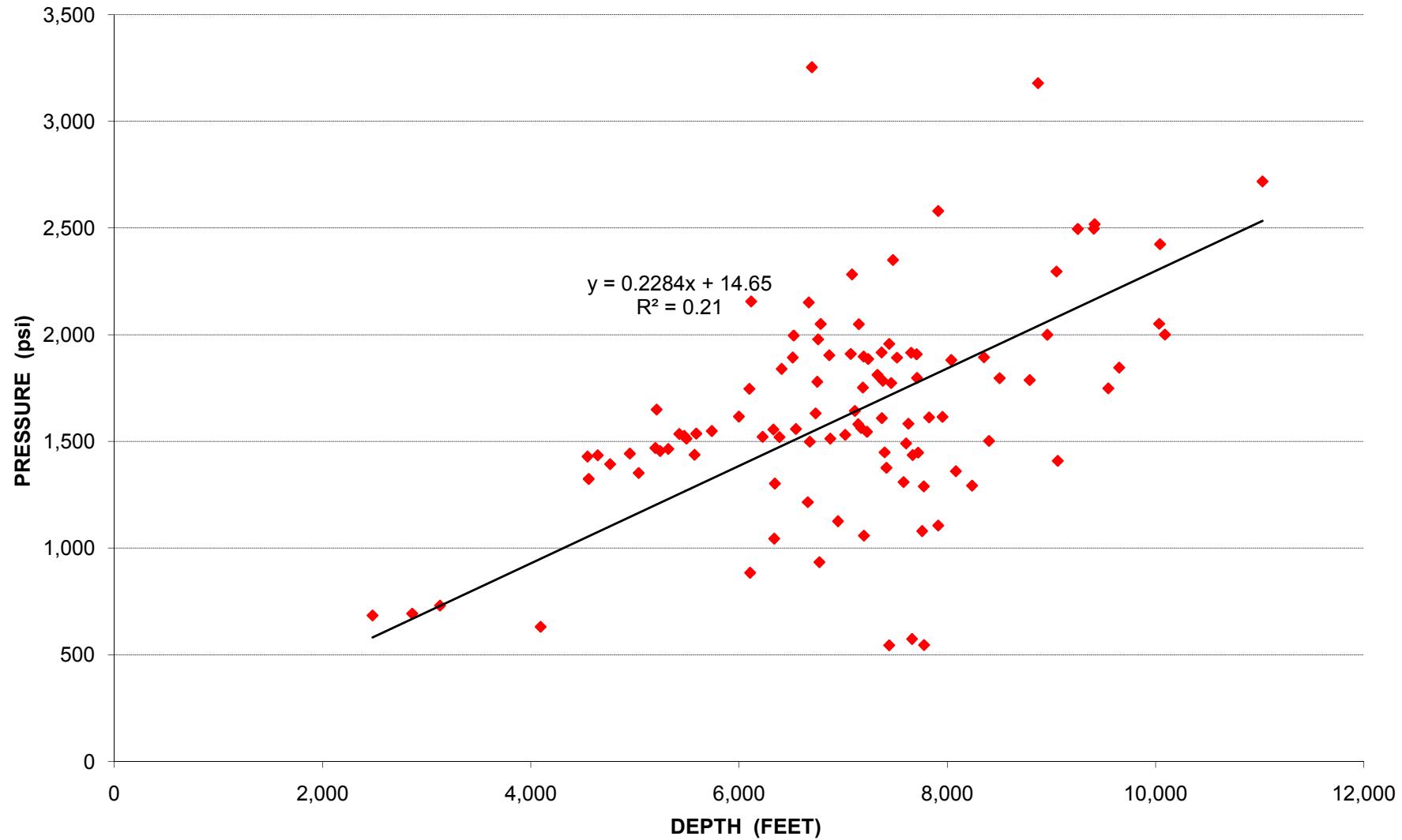
PADDY / CADOTTE GAS POOLS - ALL AREAS





## PRESSURE vs DEPTH

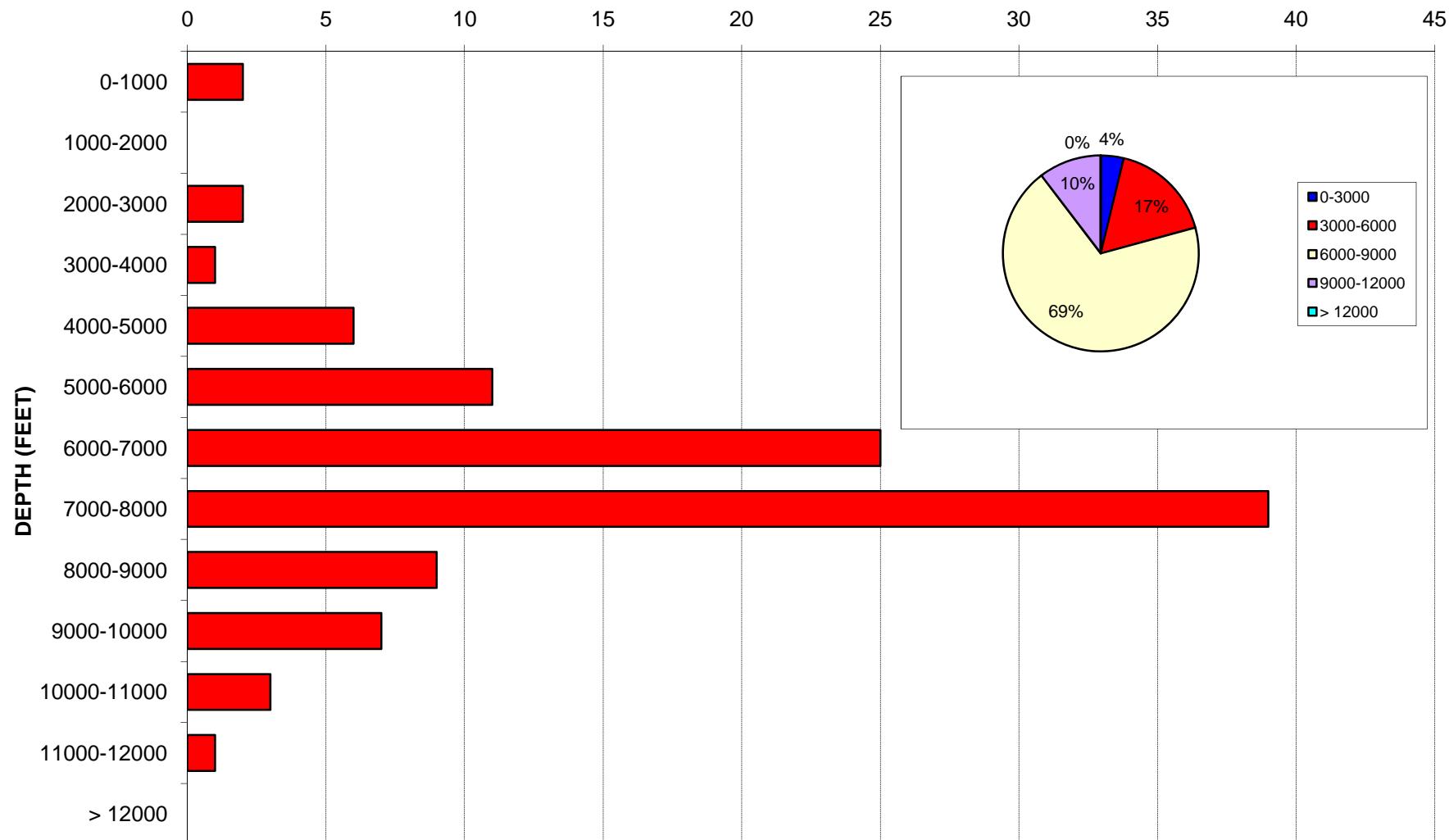
PADDY / CADOTTE GAS POOLS - ALL AREAS



## NE BRITISH COLUMBIA GAS DISCOVERIES BY DEPTH CLASS

### PADDY/CADOTTE SANDSTONE

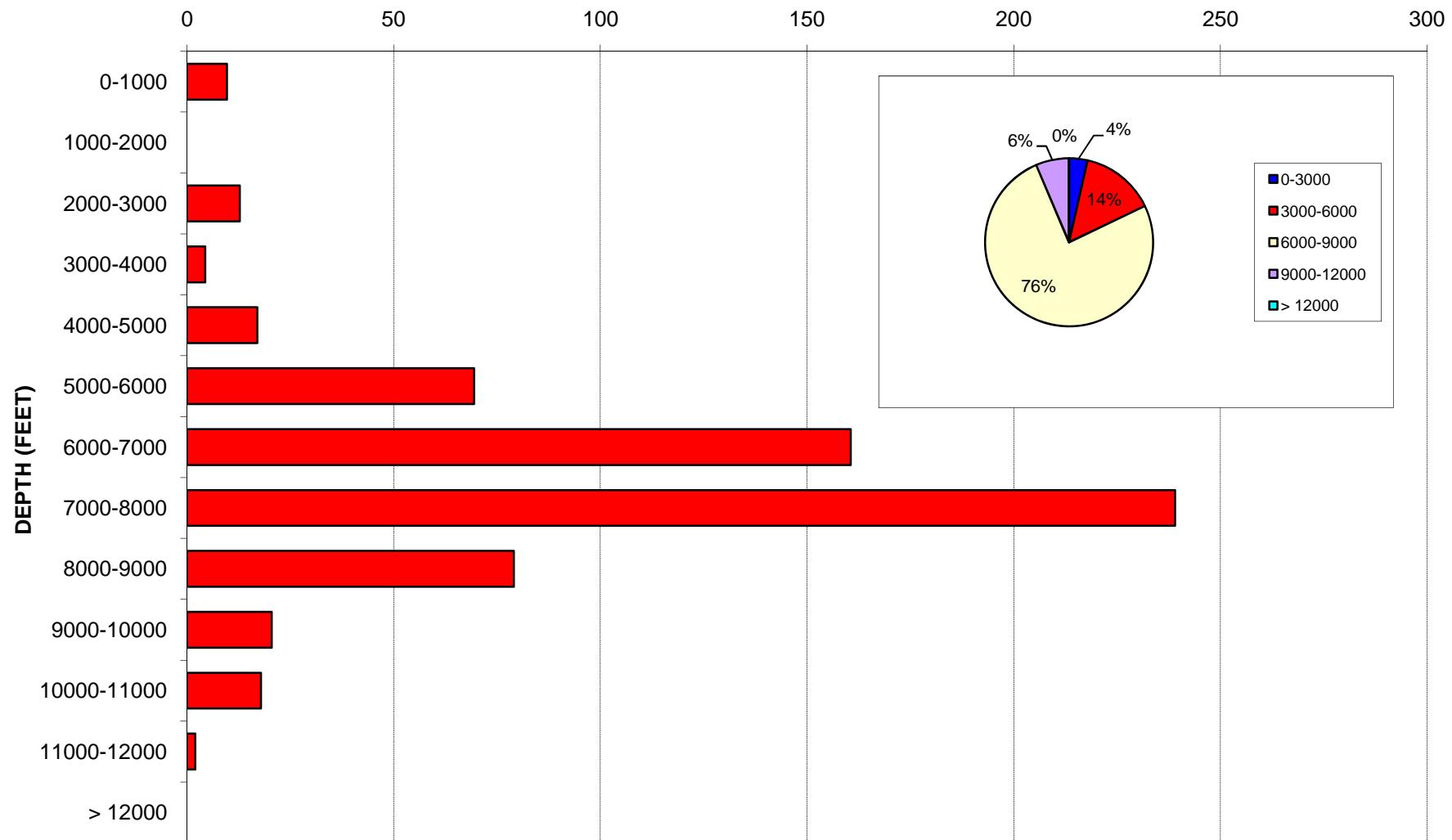
#### NUMBER OF POOLS



## NE BRITISH COLUMBIA GAS DISCOVERIES BY DEPTH CLASS

### PADDY/CADOTTE SANDSTONE

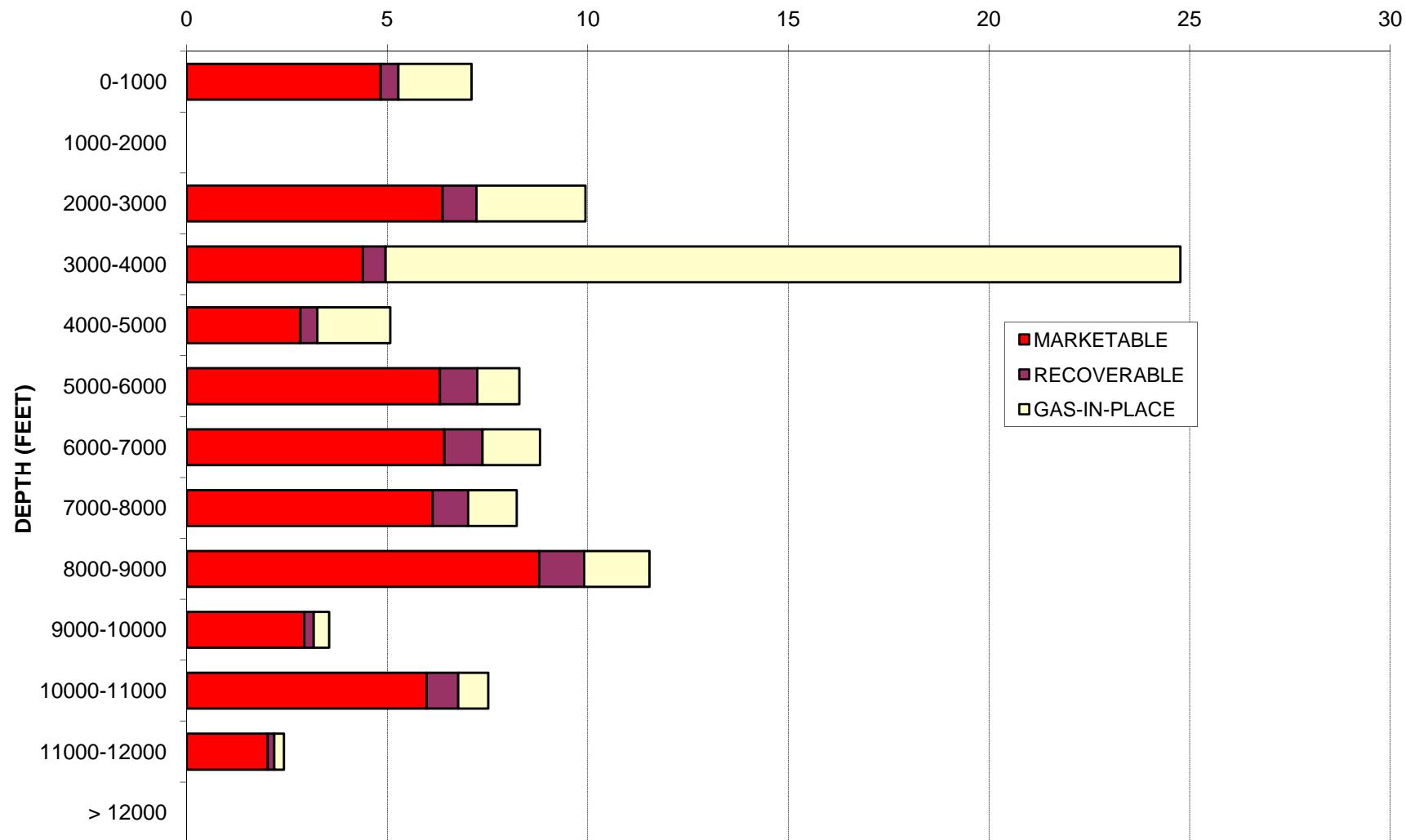
BILLION CUBIC FEET



## NE BRITISH COLUMBIA GAS DISCOVERIES BY DEPTH CLASS

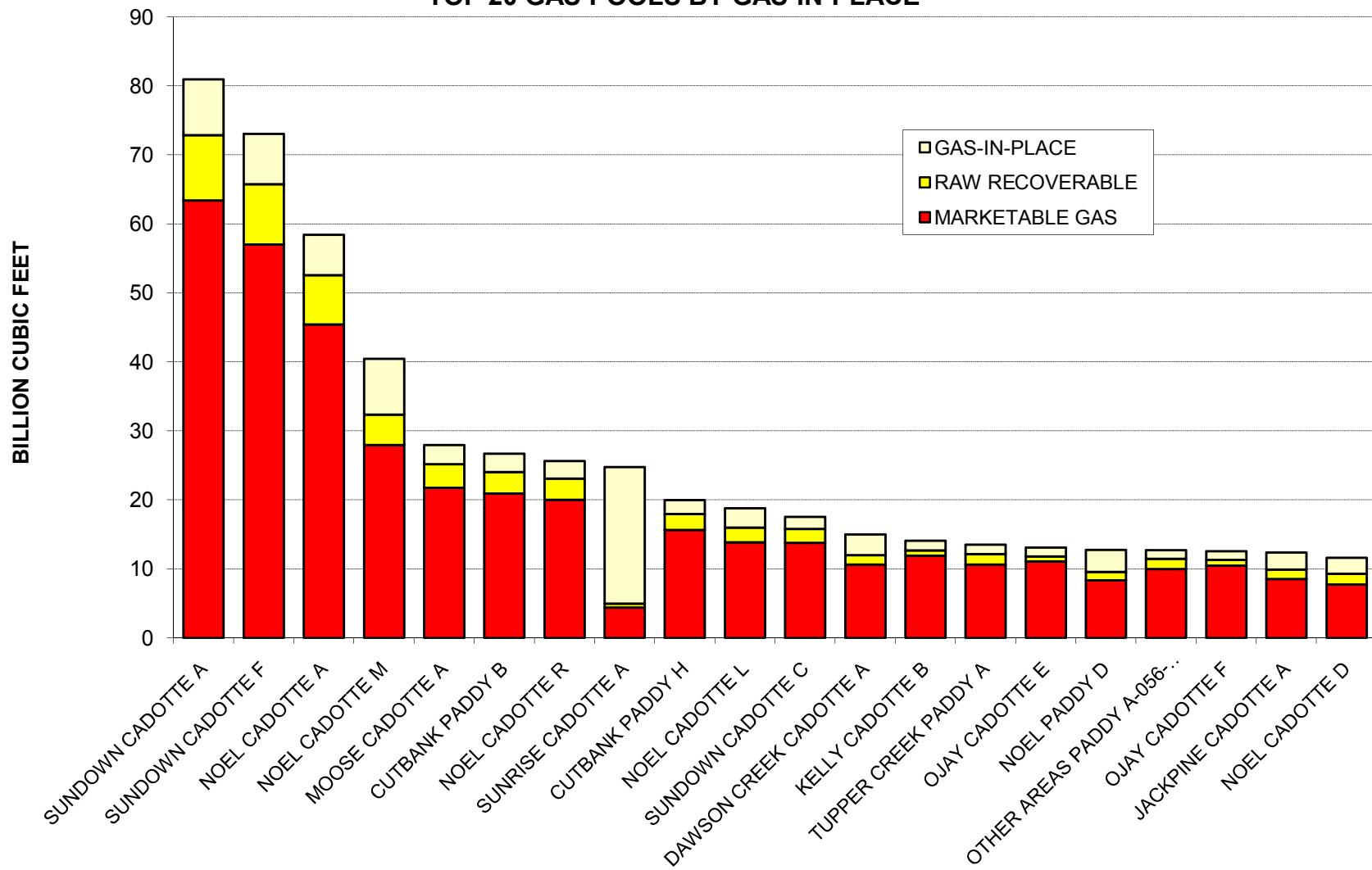
### PADDY/CADOTTE SANDSTONE

AVERAGE POOL SIZE (BILLION CUBIC FEET)

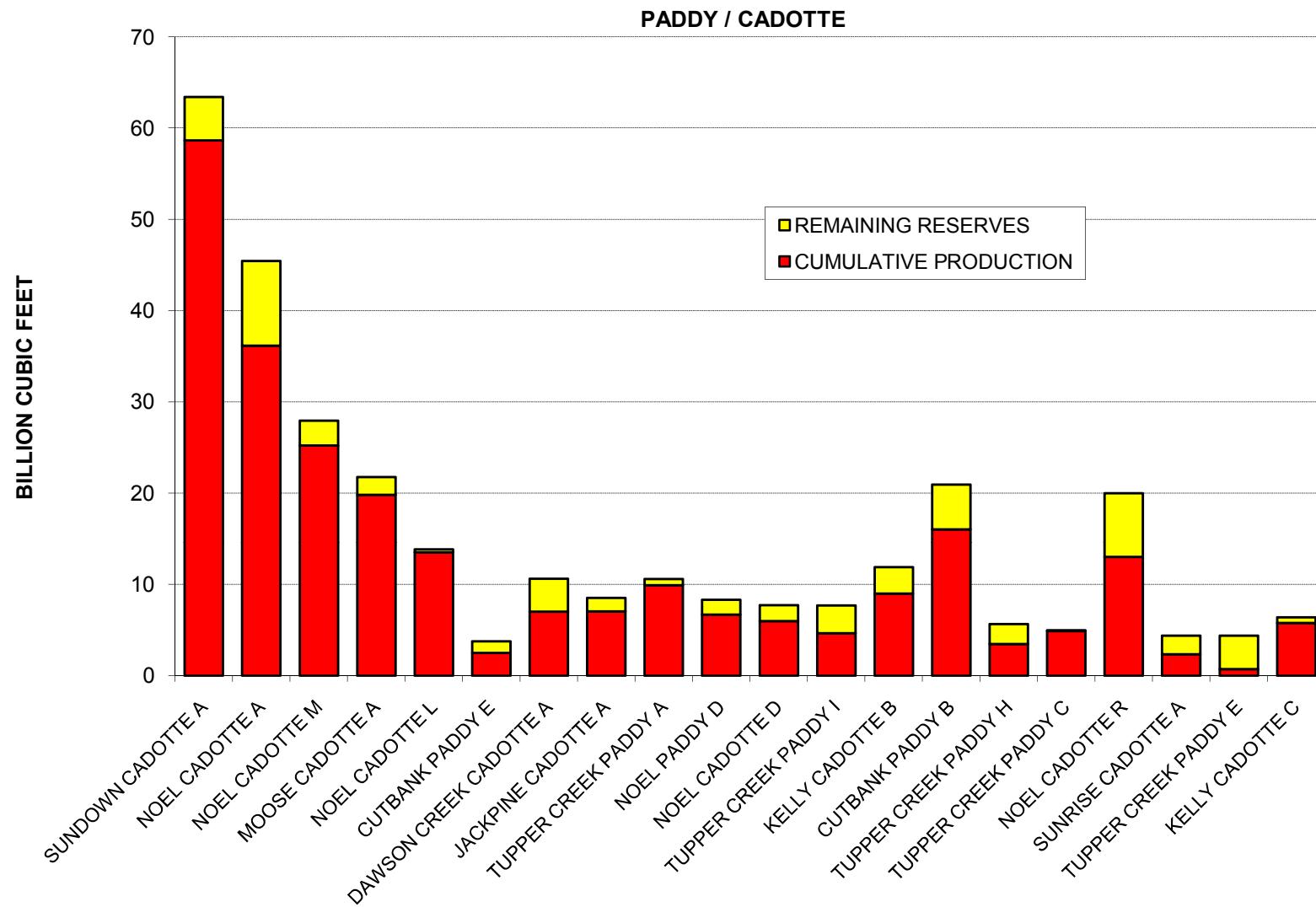


## PADDY / CADOTTE

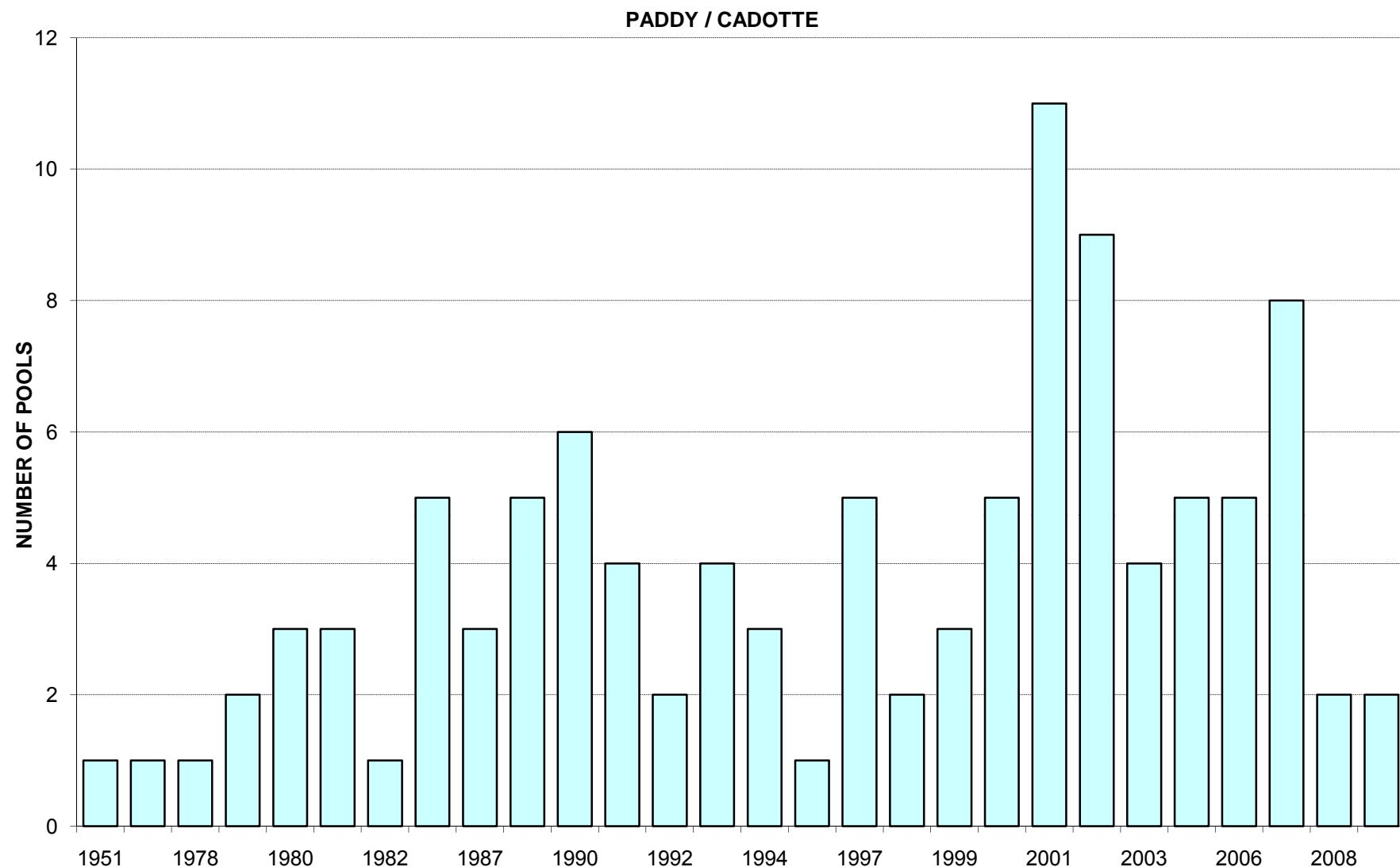
### TOP 20 GAS POOLS BY GAS-IN-PLACE



## TOP 20 GAS POOLS BY INITIAL MARKETABLE GAS

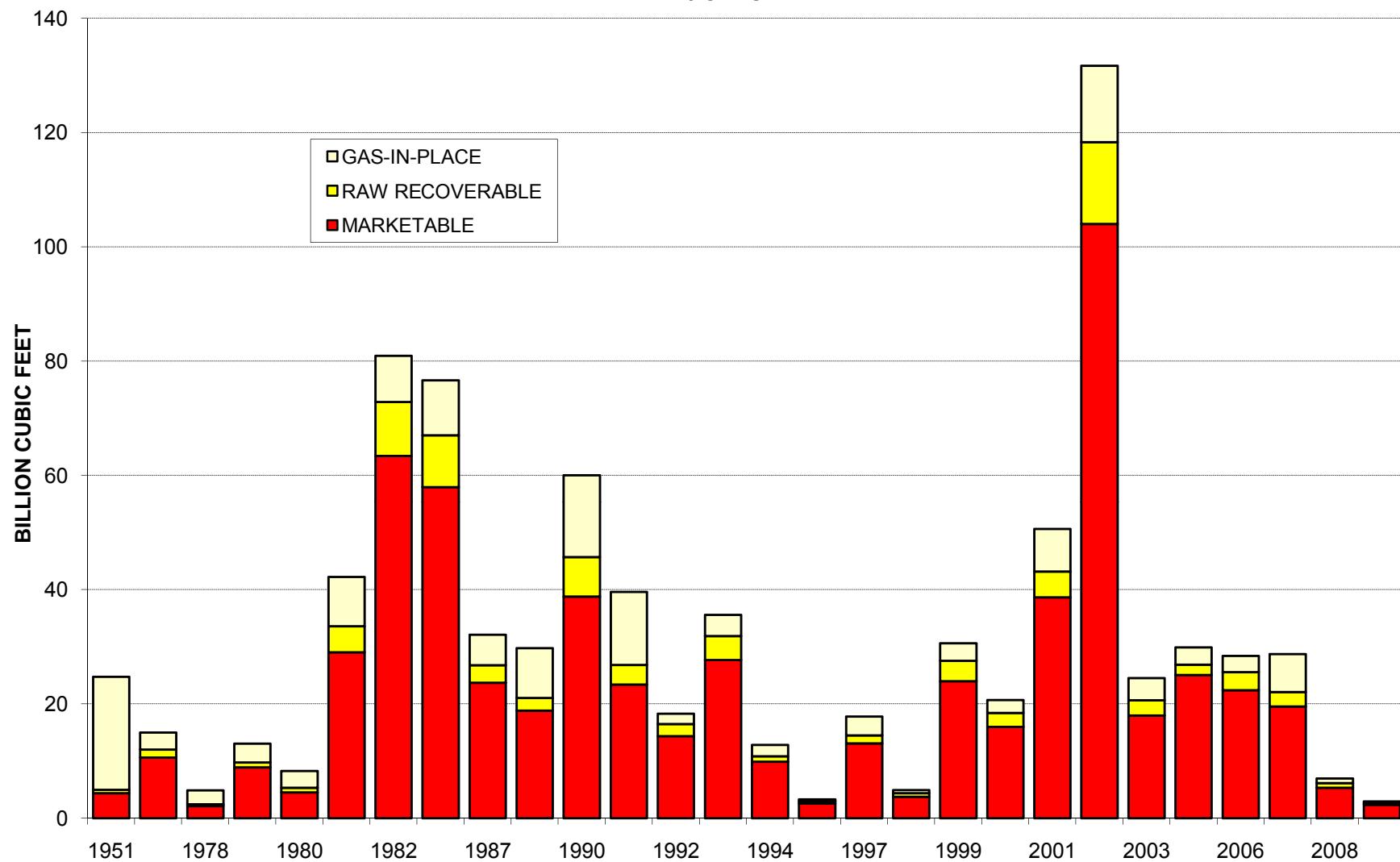


## NUMBER OF GAS POOLS BY YEAR OF DISCOVERY



## GAS BY YEAR OF DISCOVERY

PADDY / CADOTTE



**PADDY / CADOTTE**  
**DISTRIBUTION OF GAS TYPE BY STRUCTURAL AREA**

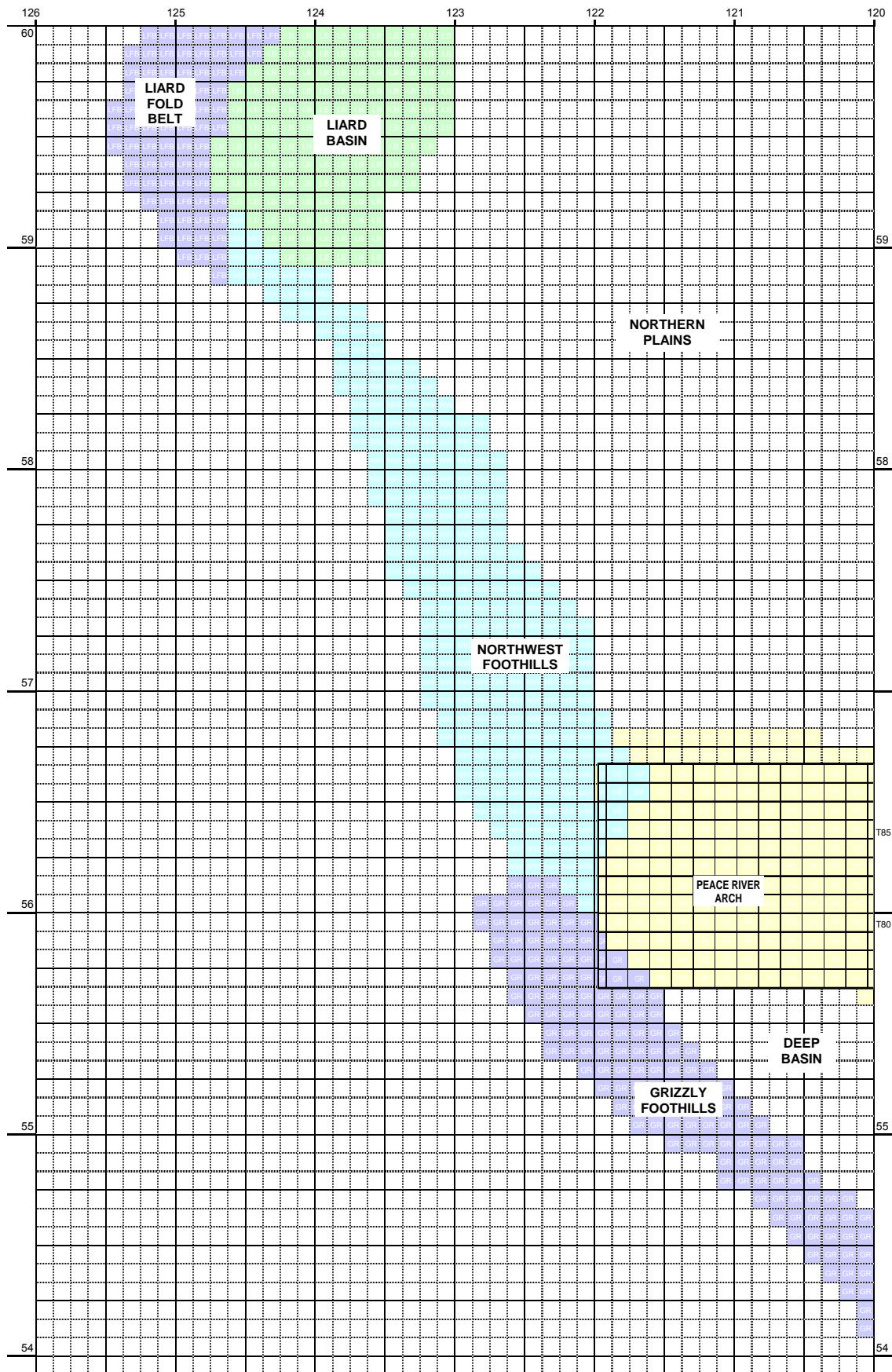
		Data					
St Area	TYPE	Count of ID	Sum of TGIP	Sum of TRRG	Sum of TIMG	Sum of TCUMMGP	Sum of TRemMGBCF
DB	NONA	96	791.3	668.6	585.2	390.8	194.4
DB Total		96	791.3	668.6	585.2	390.8	194.4
PR	NONA	5	54.1	25.9	22.8	15.7	7.1
PR Total		5	54.1	25.9	22.8	15.7	7.1
GR	NONA	5	29.6	26.2	24.4	11.7	12.7
GR Total		5	29.6	26.2	24.4	11.7	12.7
Grand Total		106	875.0	720.7	632.4	418.2	214.2

	Data					
TYPE	Count of ID	Sum of TGIP	Sum of TRRG	Sum of TIMG	Sum of TCUMMGP	Sum of TRemMGBCF
NONA	106	875.0	720.7	632.4	418.2	214.2
Grand Total	106	875.0	720.7	632.4	418.2	214.2

A - ASSOCIATED  
AS - ASSOCIATED/SOLUTION

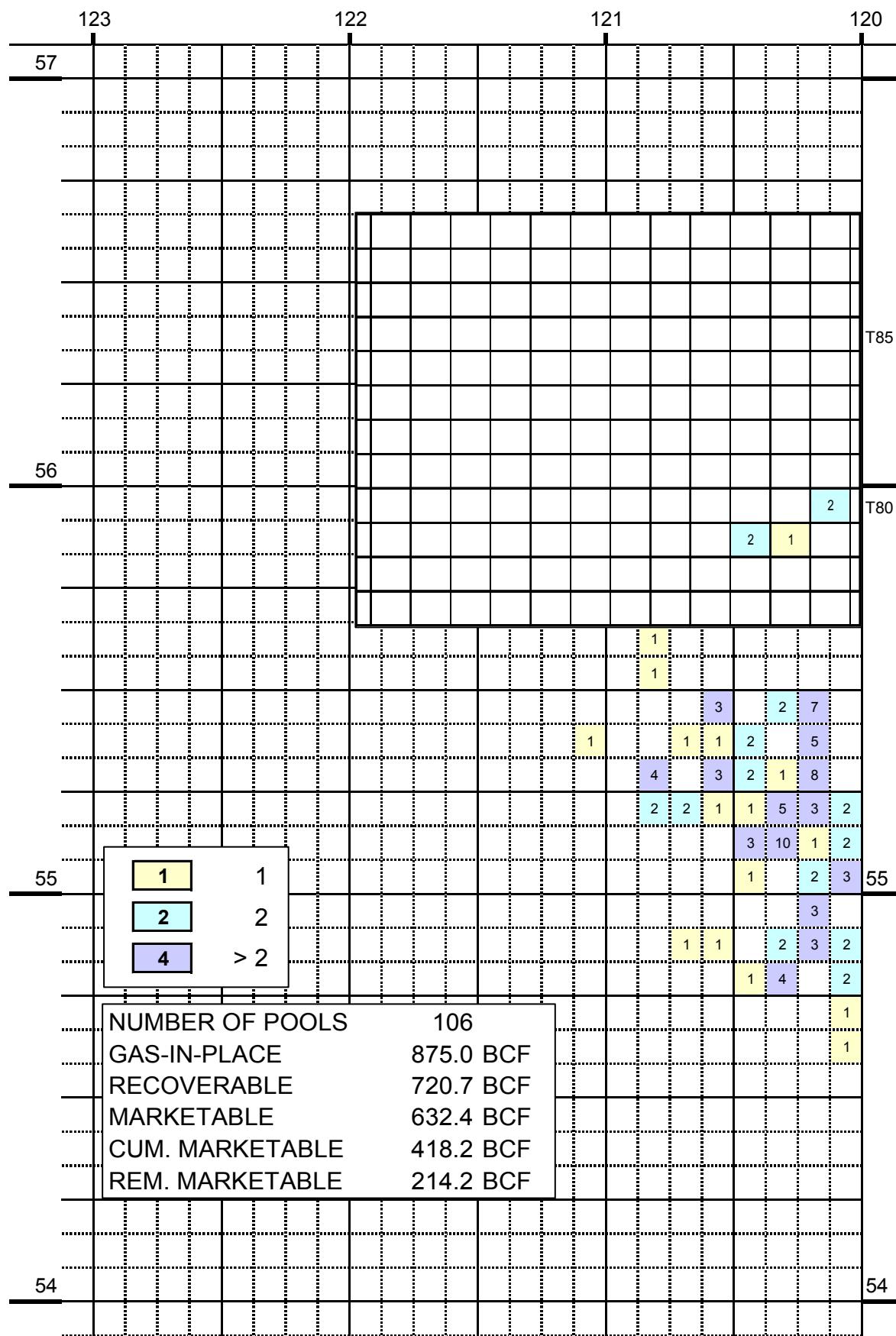
N - NON-ASSOCIATED  
S - SOLUTION

### NORTHEAST BRITISH COLUMBIA - STRUCTURAL PROVINCES

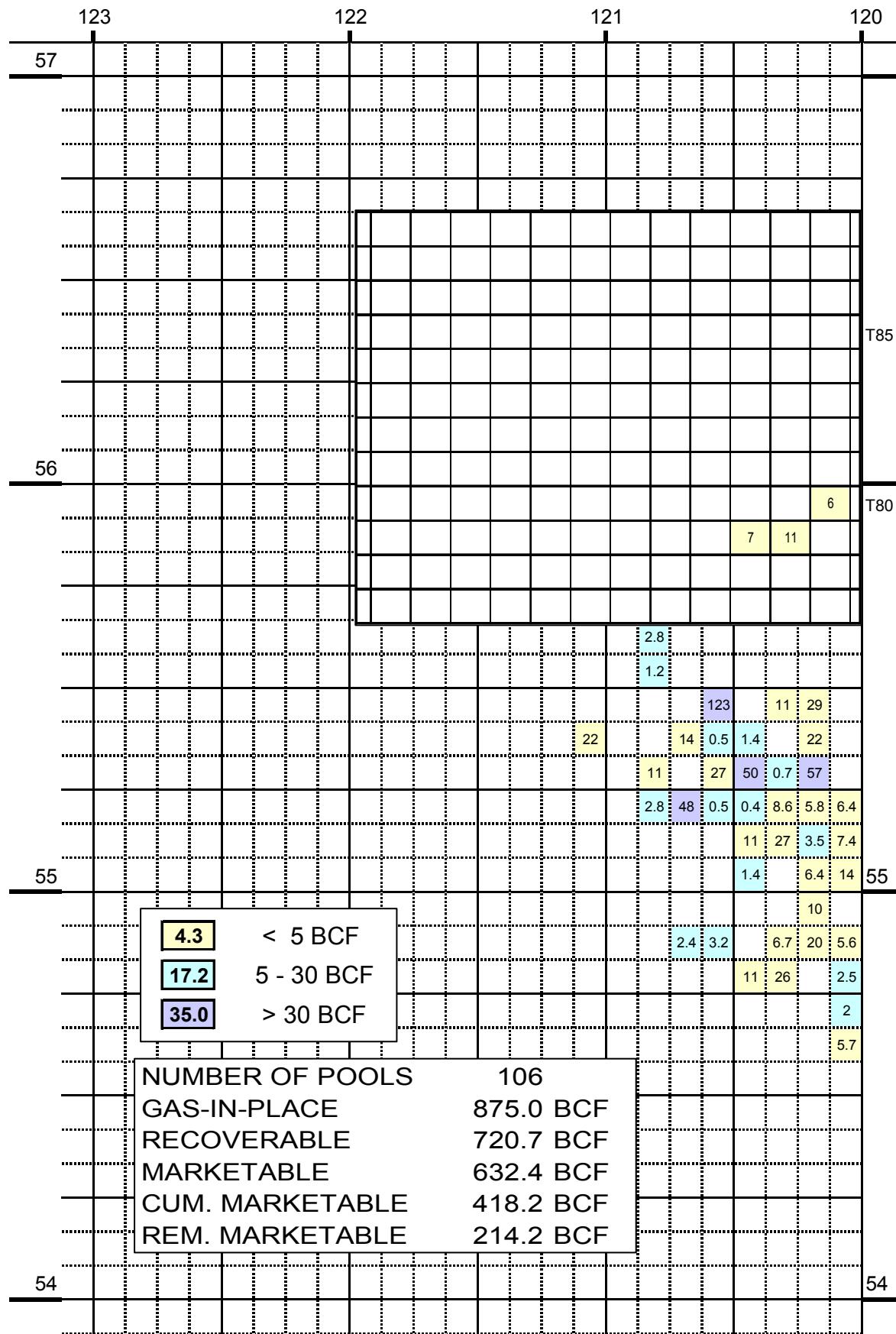


NORTHEAST BRITISH COLUMBIA - DECEMBER 31, 2009

PADDY / CADOTTE - NUMBER OF POOLS

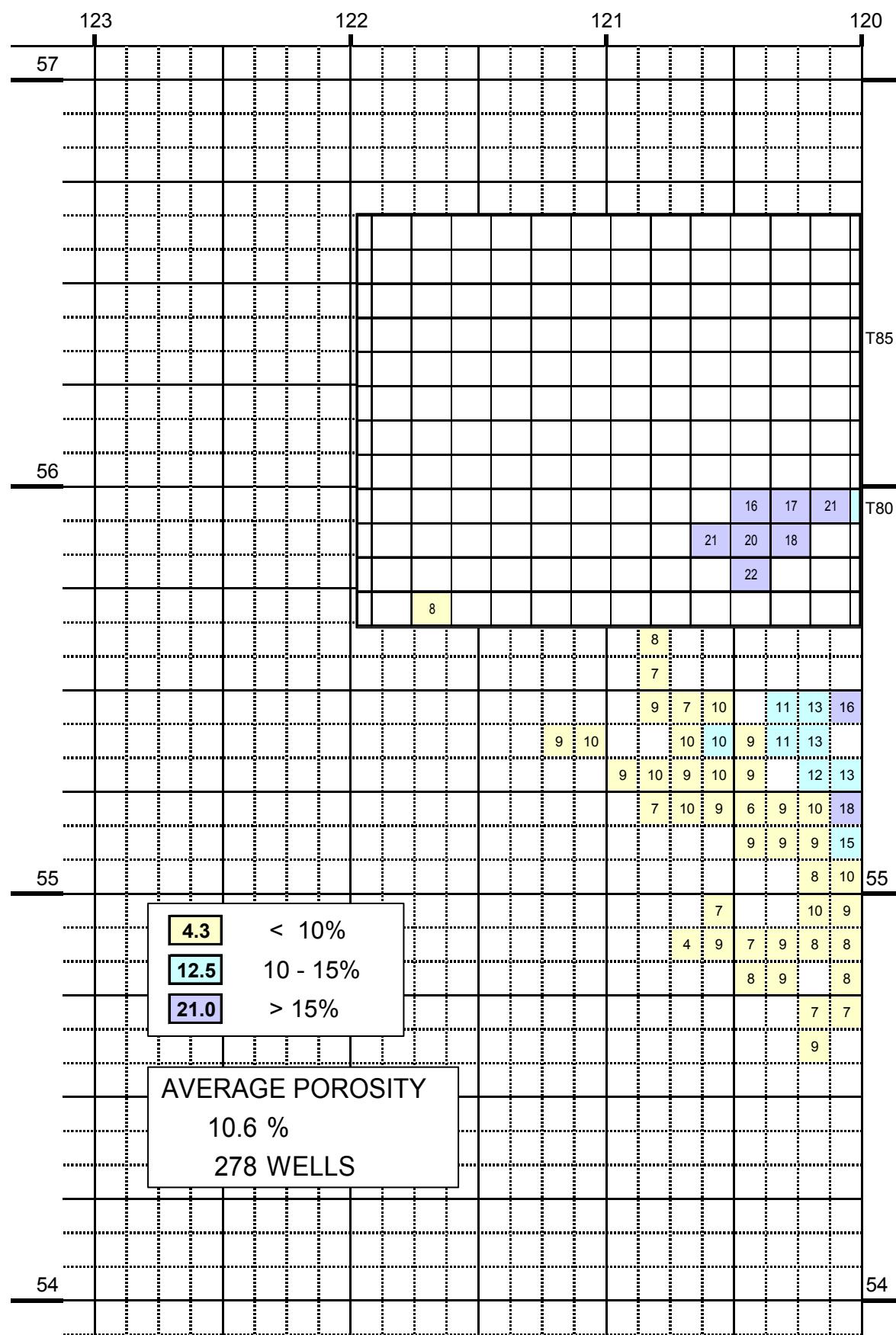


**NORTHEAST BRITISH COLUMBIA - DECEMBER 31, 2009**  
**PADDY / CADOTTE - DISCOVERED MARKETABLE GAS**



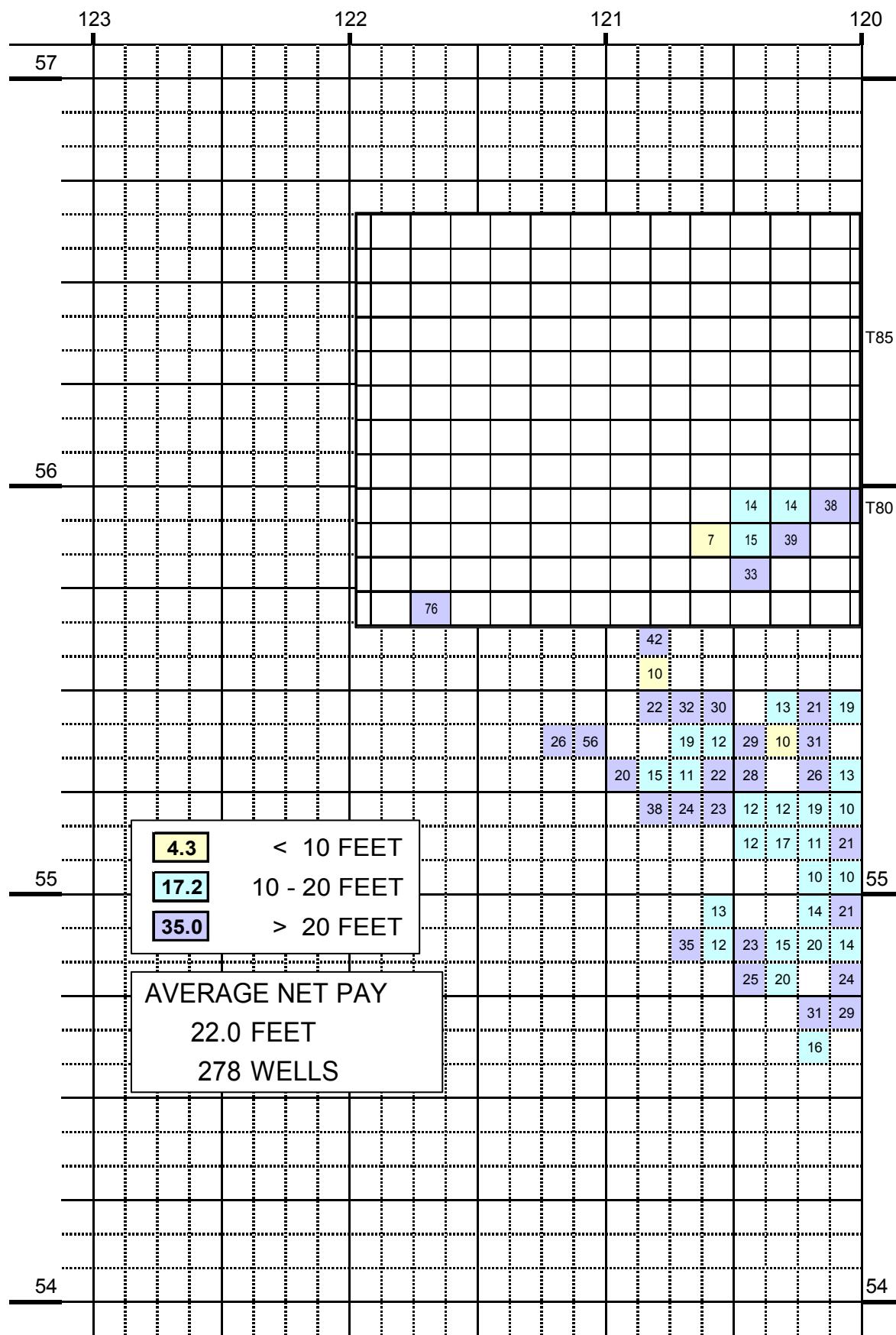
# NE BRITISH COLUMBIA - AVERAGE POROSITY (BC PAY ZONE FILE)

## PADDY / CADOTTE SANDSTONE

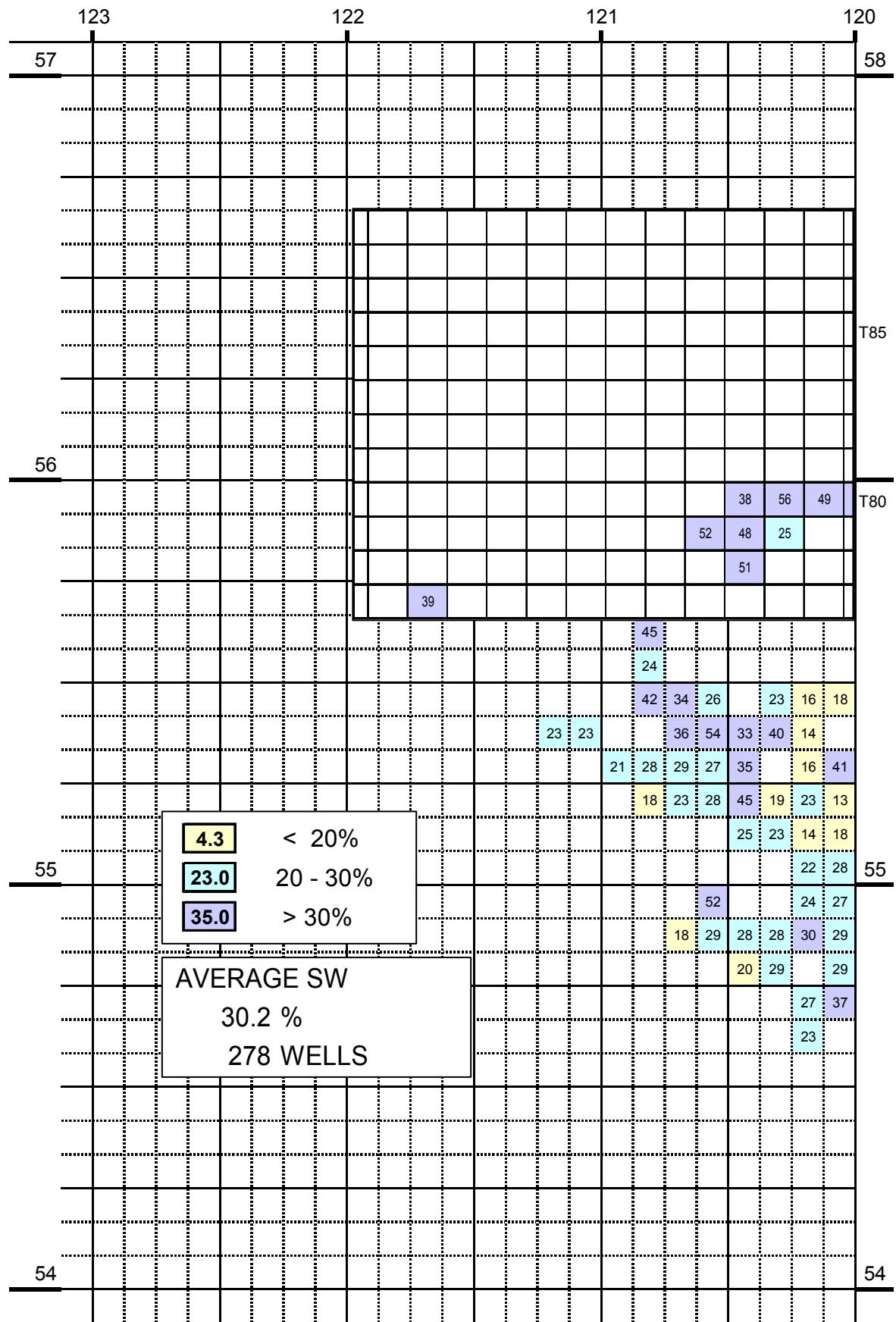


# NE BRITISH COLUMBIA - AVERAGE NET PAY (BC PAY ZONE FILE)

## PADDY / CADOTTE SANDSTONE

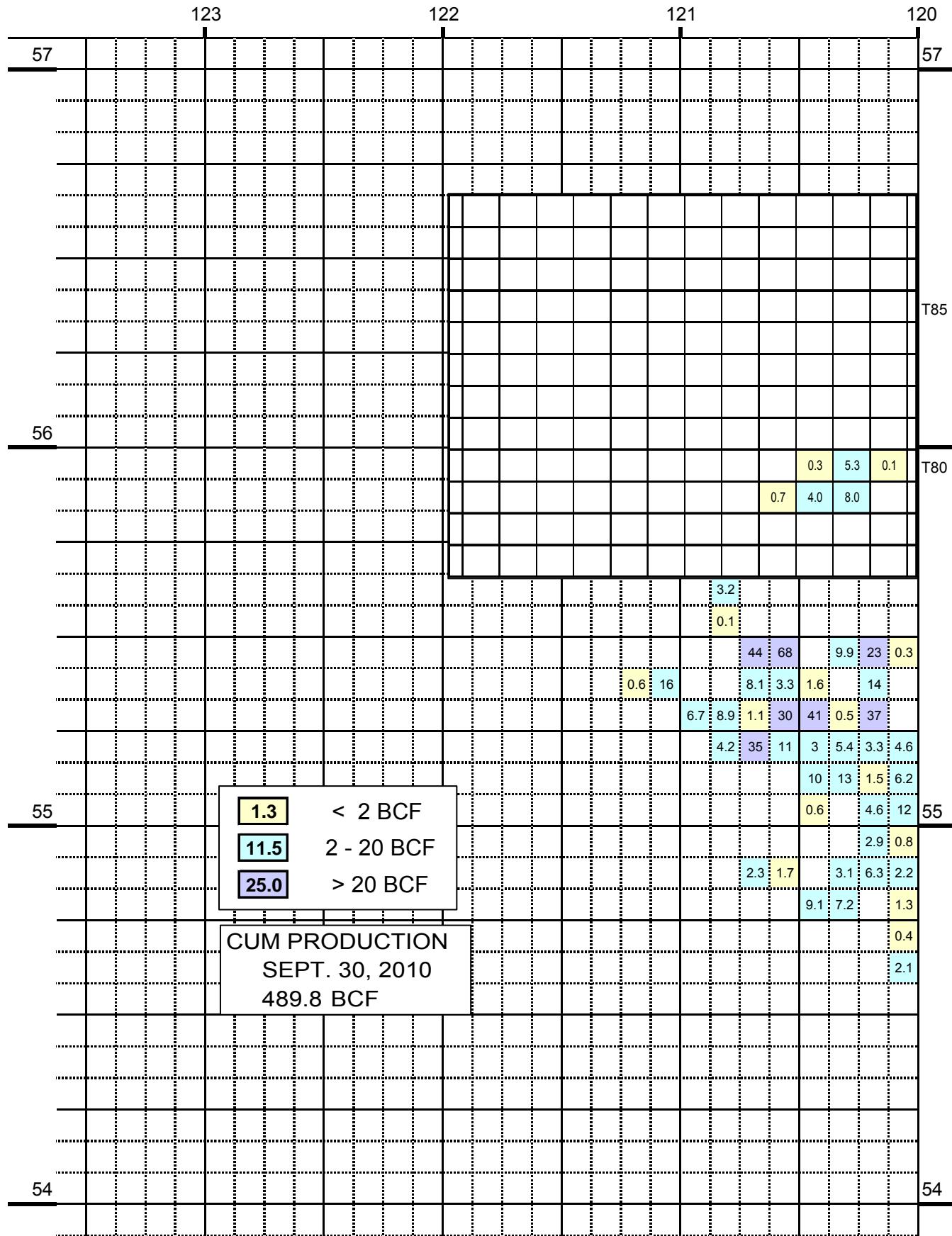


**NE BRITISH COLUMBIA - AVERAGE WATER SATURATION(BC PAY ZONE FILE)**  
**PADDY / CADOTTE SANDSTONE**



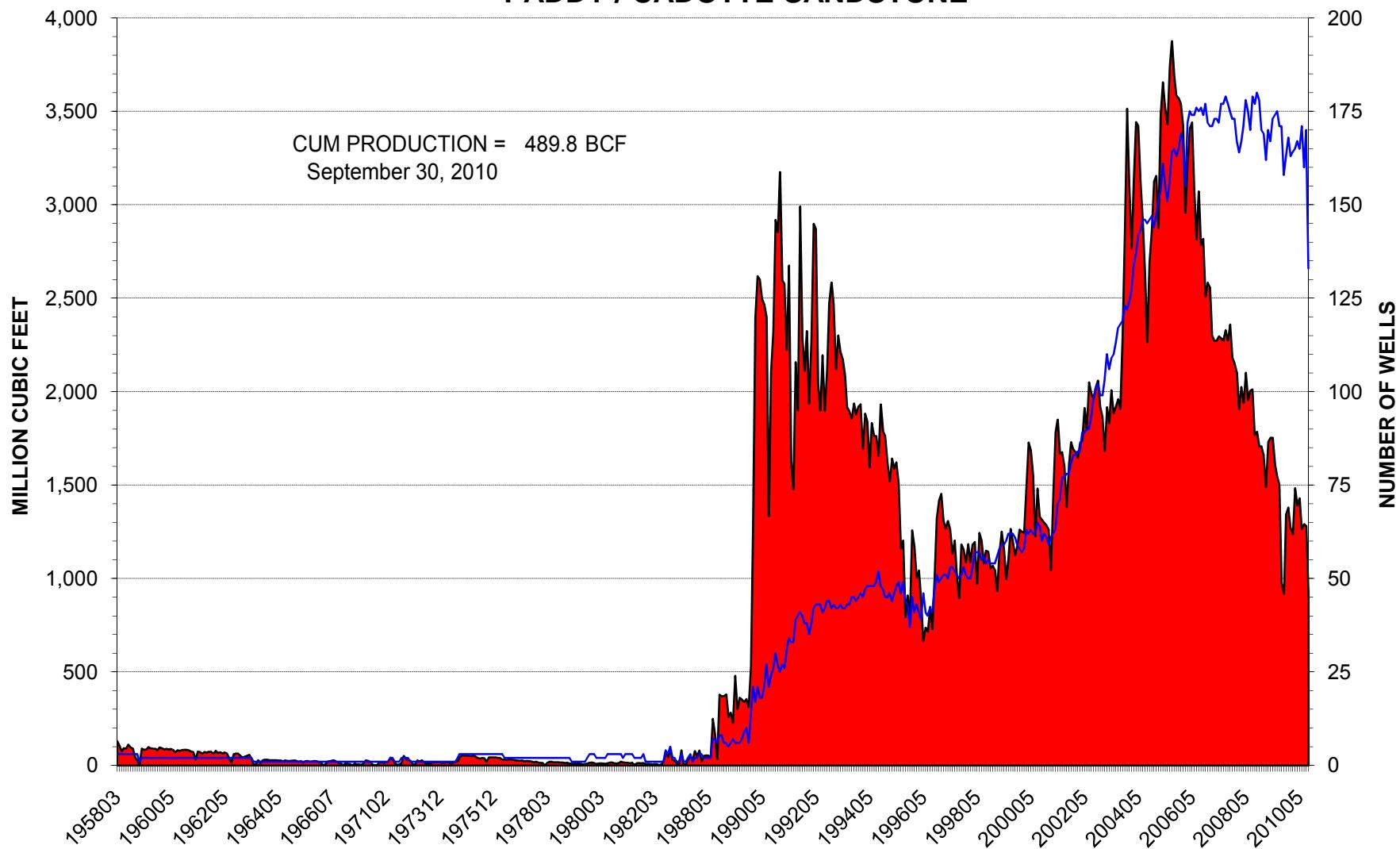
# NE BRITISH COLUMBIA - CUM RECOVERABLE GAS PRODUCTION (BCF)

## PADDY / CADOTTE SANDSTONE



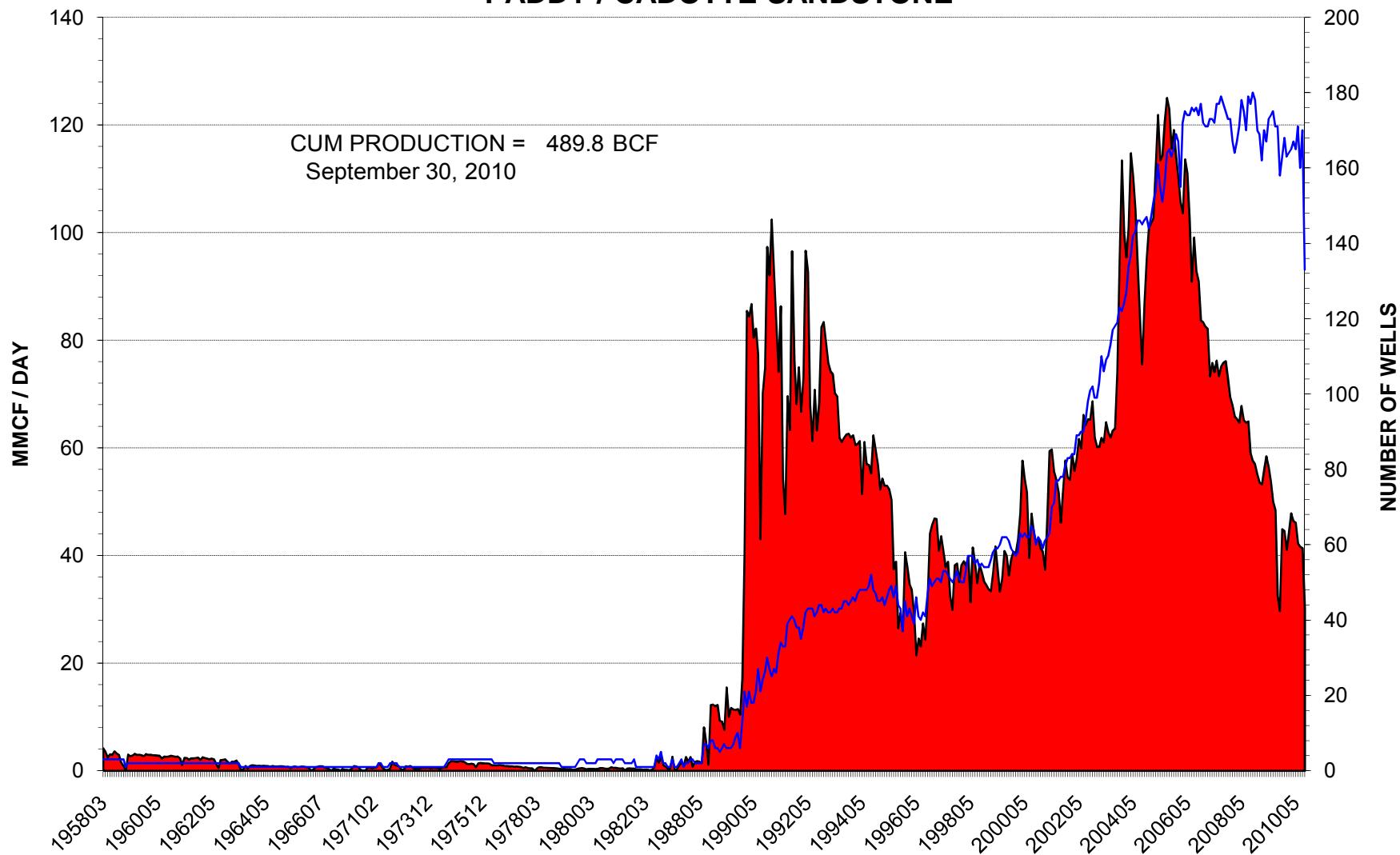
## BRITISH COLUMBIA MONTHLY GAS PRODUCTION

### PADDY / CADOTTE SANDSTONE



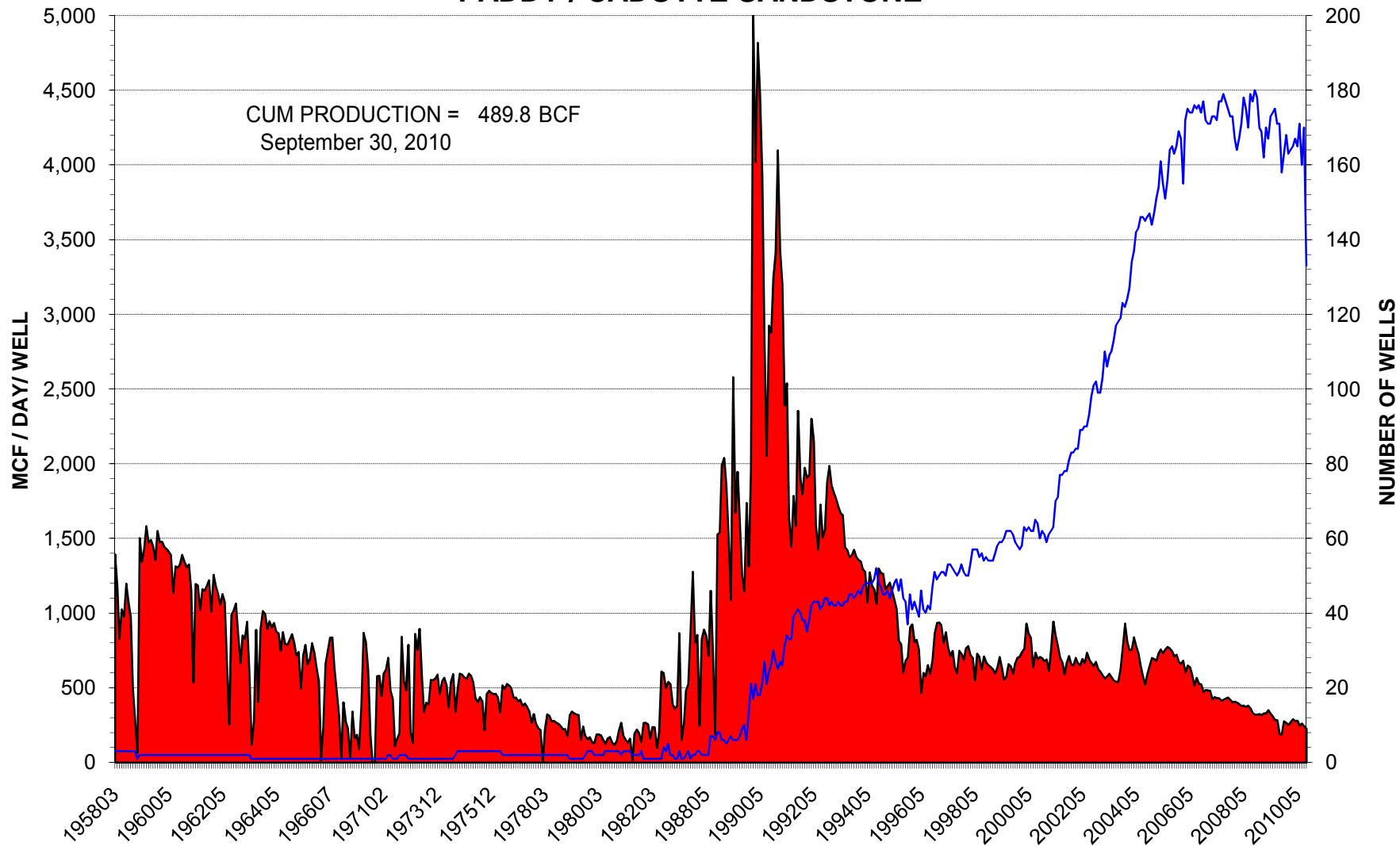
## BRITISH COLUMBIA MONTHLY GAS PRODUCTION

### PADDY / CADOTTE SANDSTONE



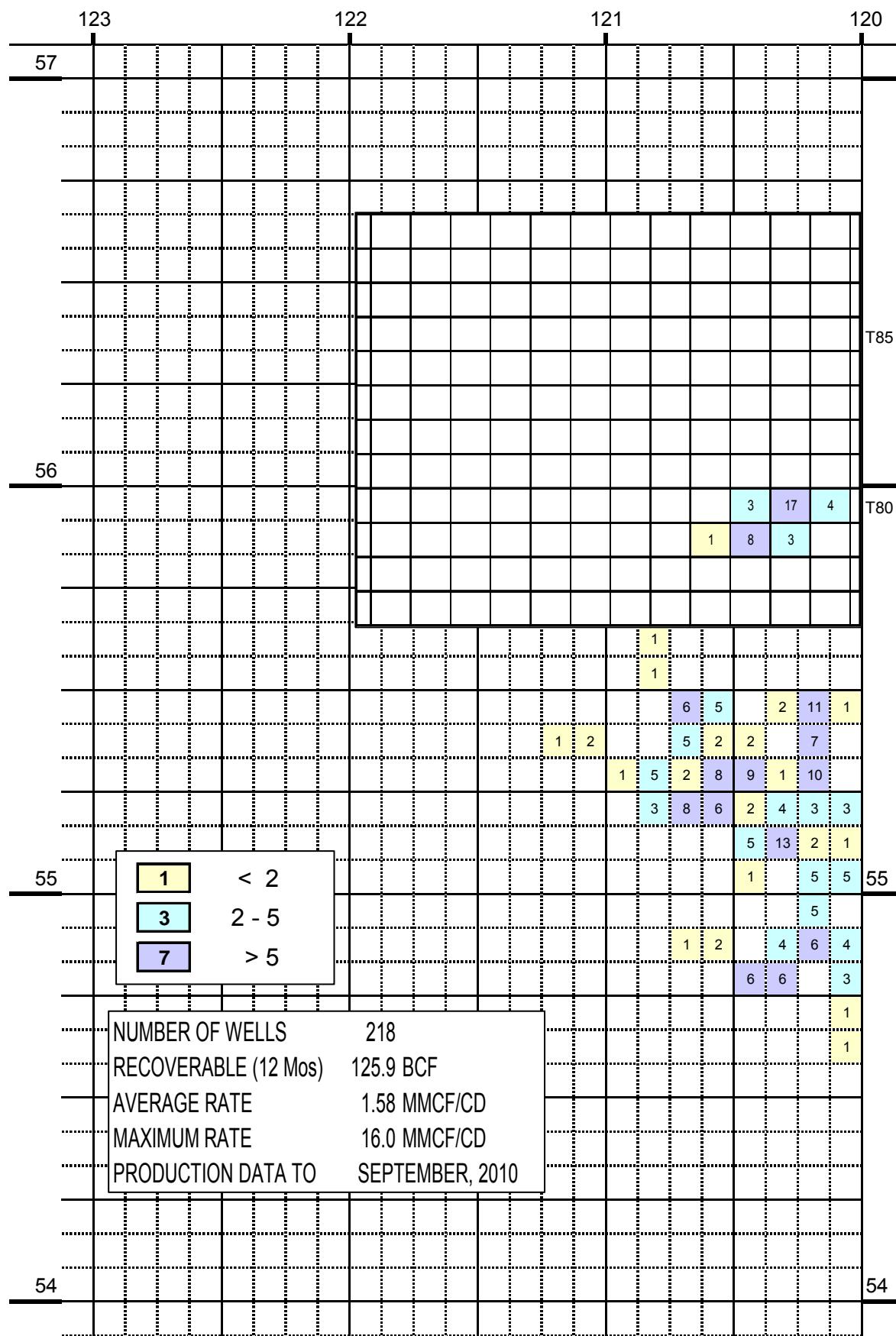
## BRITISH COLUMBIA MONTHLY GAS PRODUCTION

### PADDY / CADOTTE SANDSTONE



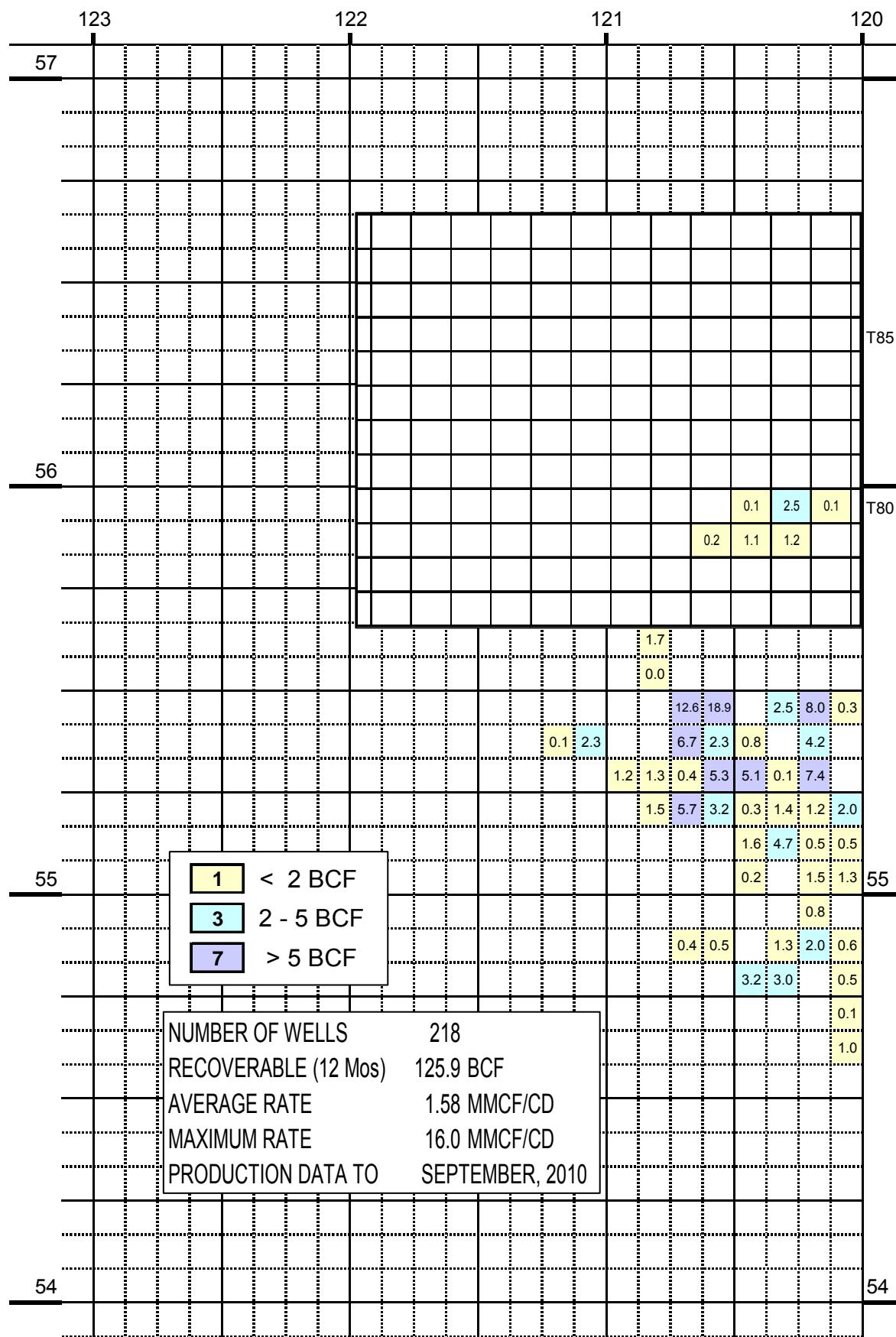
# NE BRITISH COLUMBIA - NUMBER WELLS 12 MONTHS PRODUCTION

## PADDY / CADOTTE SANDSTONE

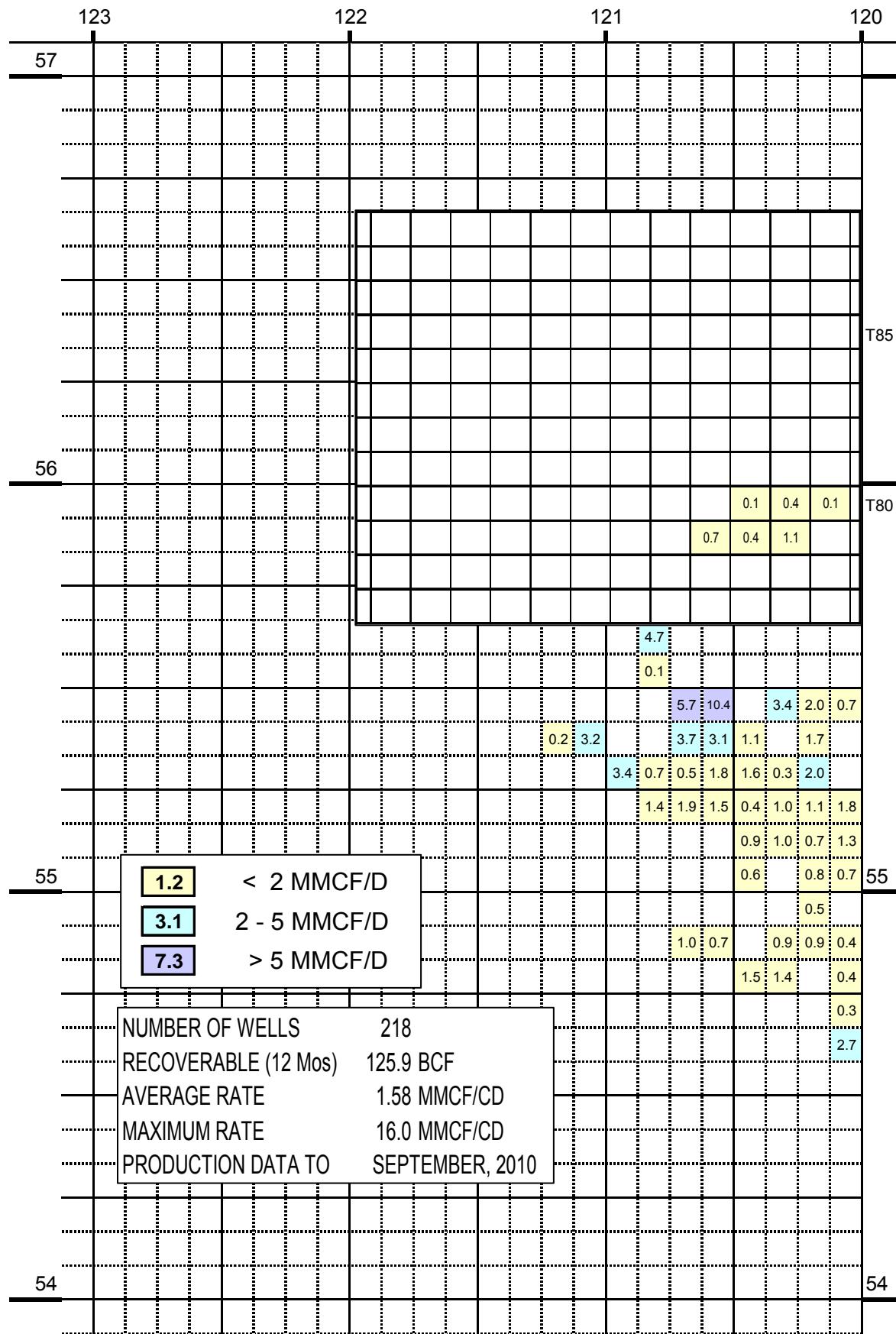


# NE BRITISH COLUMBIA - FIRST 12 MONTHS RAW GAS PRODUCTION

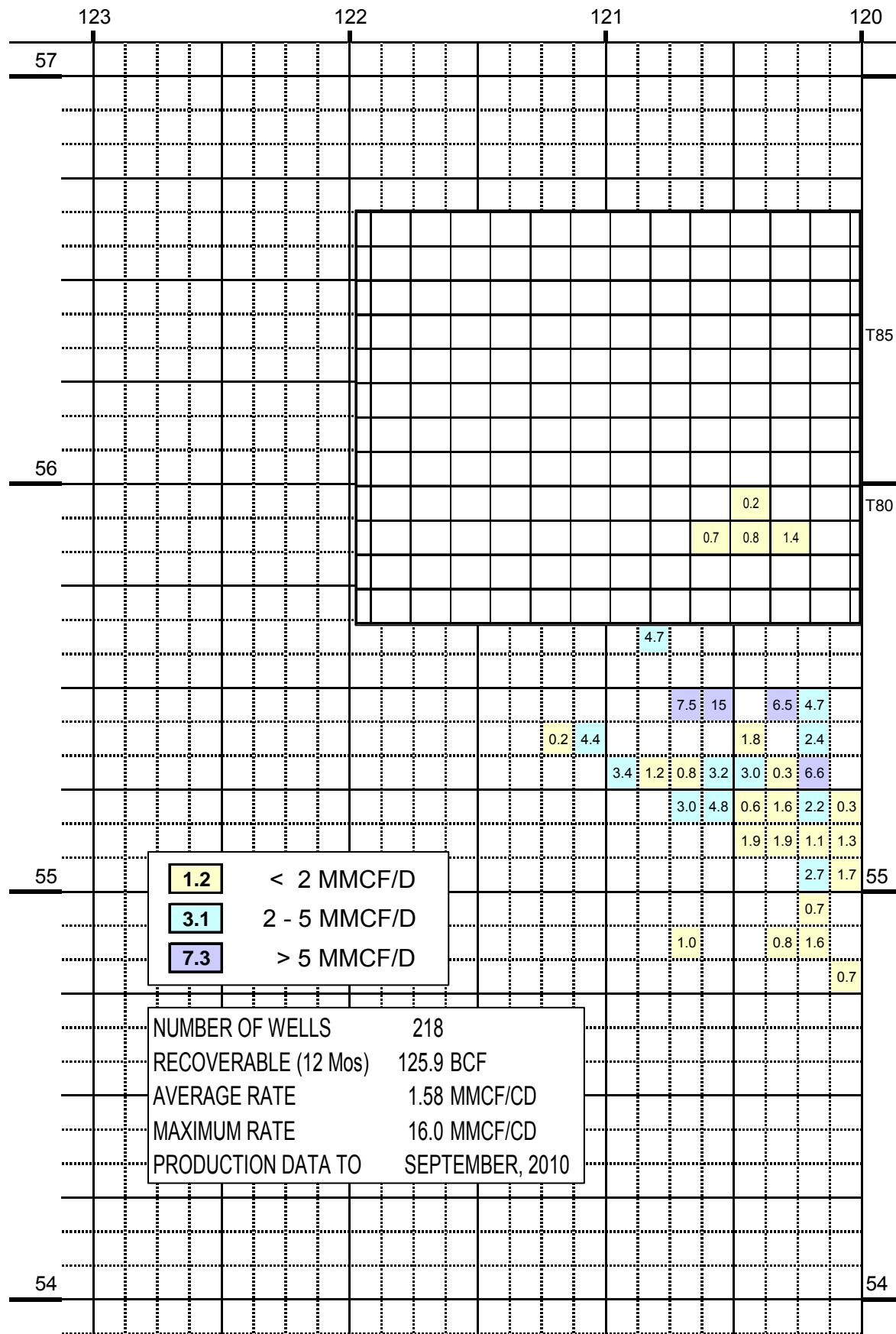
## PADDY / CADOTTE SANDSTONE



**NE BRITISH COLUMBIA - FIRST 12 MONTHS AVERAGE DAY RATE  
PADDY / CADOTTE SANDSTONE**



**NE BRITISH COLUMBIA - FIRST 12 MONTHS MAXIMUM DAY RATE  
PADDY / CADOTTE SANDSTONE**

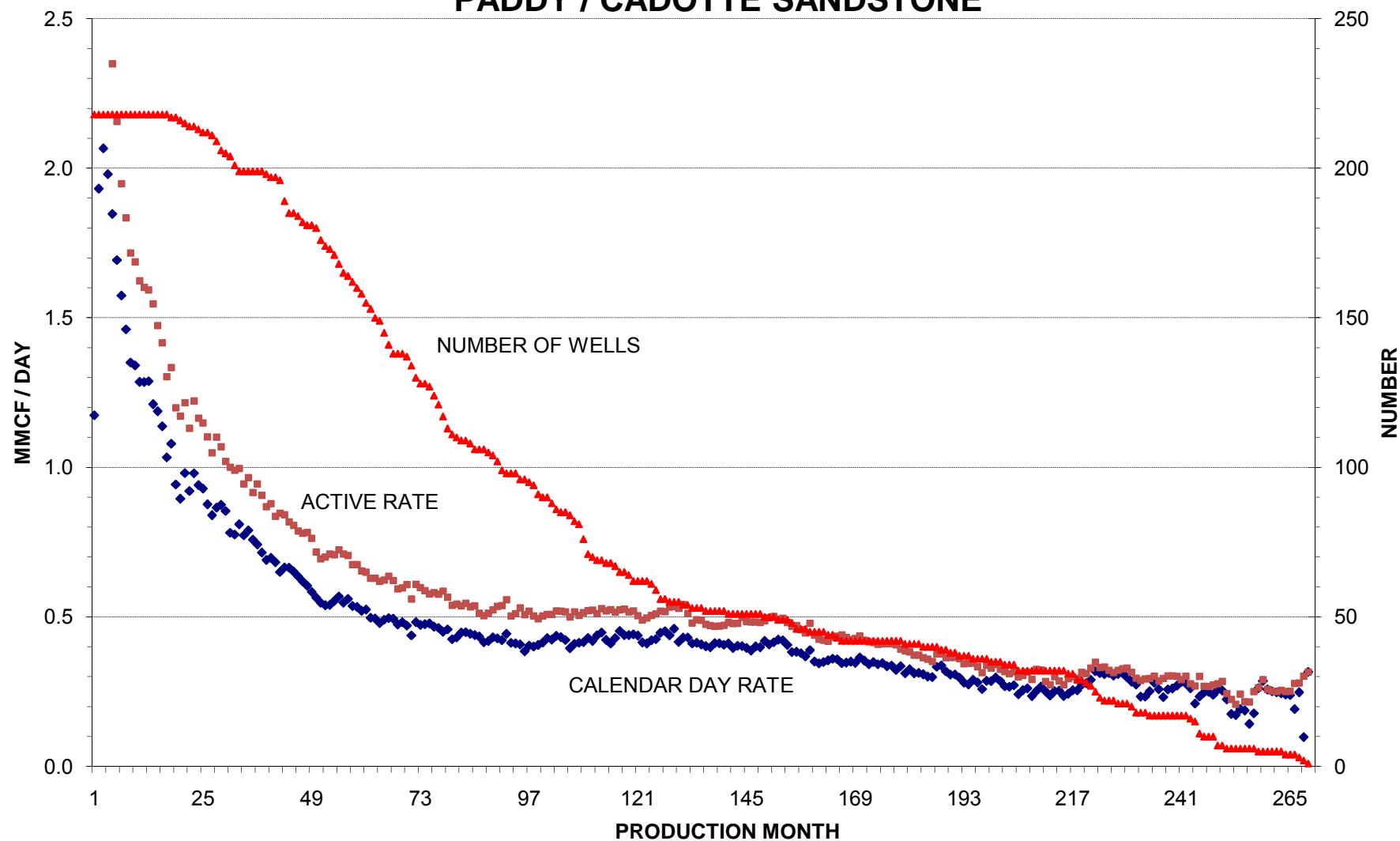


**NORTHEAST BRITISH COLUMBIA - PRODUCING WELLS CADOTTE (as of SEPTEMBER 30, 2010)**

**TOP WELLS BY MAXIMUM CALENDAR DAY RATE**

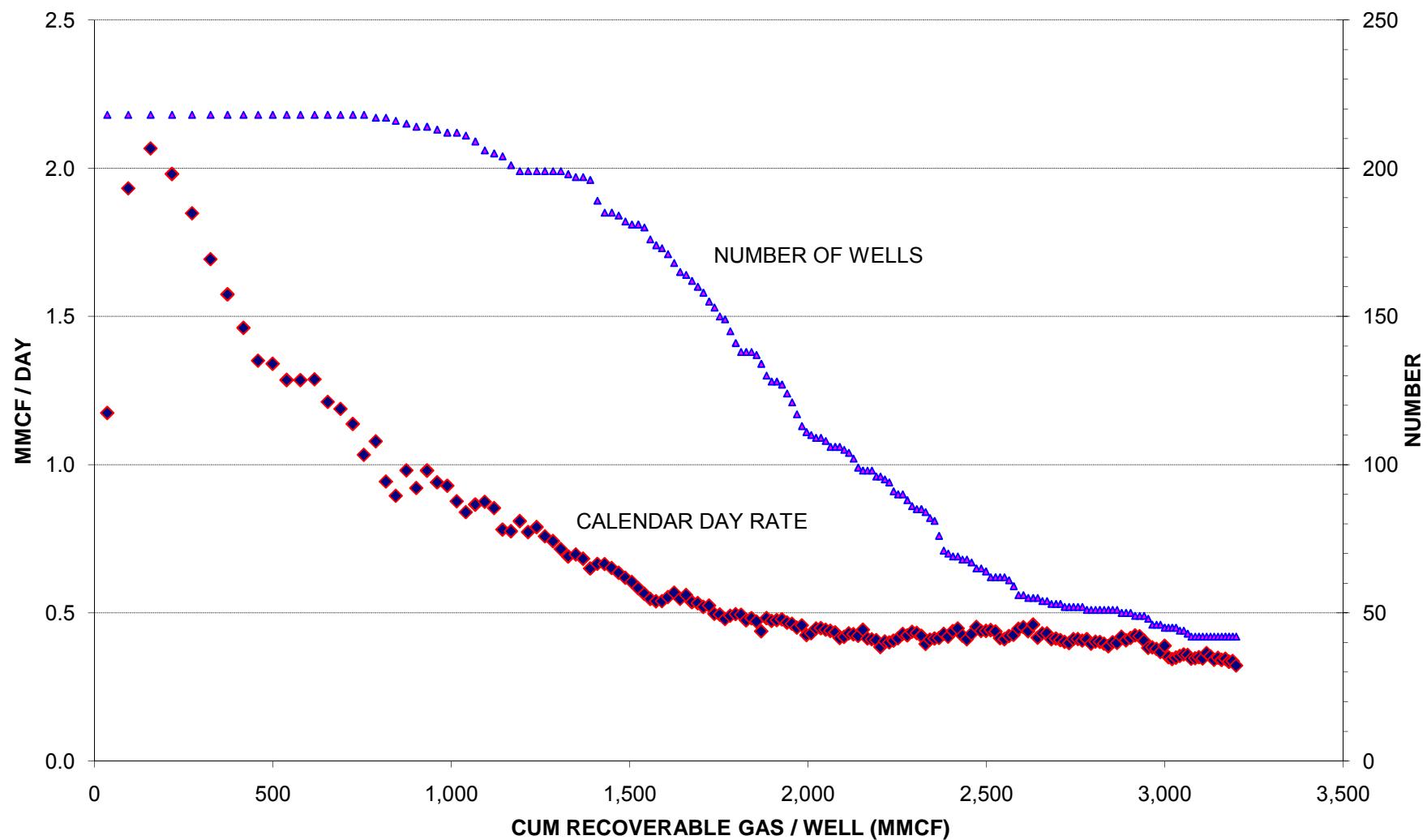
UWI	AFP	MONTHS	CUM RECOV GAS_MMCF	PRODUCING DAYS	MMCF / CALENDAR DAY AVERAGE	MAXIMUM	FIELD POOL NAME
200B026I093P0700	81152200A	243	24,630.8	6,603.2	3.337	24.369	SUNDOWN CADOTTE A
200C036I093P0702	81152200F	72	14,991.2	2,113.8	6.846	20.580	SUNDOWN CADOTTE F
200D032J093P0702	81152200F	70	14,705.9	2,059.3	6.907	20.371	SUNDOWN CADOTTE F
200D033I093P0700	81152200F	66	10,765.4	1,880.4	5.354	20.030	SUNDOWN CADOTTE F
200C081G093P0702	81152200C	45	2,078.5	1,124.2	1.521	13.177	SUNDOWN CADOTTE C
200B097B093P0800	33402000B	132	16,004.6	3,512.2	3.980	12.957	CUTBANK PADDY B
200A023I093P0700	81152200A	244	16,880.9	6,801.4	2.275	12.716	SUNDOWN CADOTTE A
200A051J093P0800	81902000I	108	2,088.4	2,084.0	0.635	12.083	TUPPER CREEK PADDY I
200C089H093P0700	81152200C	79	2,699.6	2,081.9	1.120	11.855	SUNDOWN CADOTTE C
200D085G093P0700	81152200C	42	2,931.4	976.5	2.288	11.554	SUNDOWN CADOTTE C
200A021J093P0700	81152200A	245	10,742.3	6,545.1	1.443	11.441	SUNDOWN CADOTTE A
200C087J093P0800	81902000D	64	1,290.8	917.5	0.661	11.106	TUPPER CREEK PADDY D
200A031K093P0800	81902000A	222	9,689.6	5,956.8	1.434	9.890	TUPPER CREEK PADDY A
200C018J093P0700	81152200A	242	12,116.4	6,708.0	1.647	9.416	SUNDOWN CADOTTE A
200D049B093P0800	33402000H	76	5,650.4	1,997.6	2.444	8.543	CUTBANK PADDY H
200C083G093P0700	81152200C	42	1,339.0	1,033.6	1.045	8.431	SUNDOWN CADOTTE C
200A049J093P0200	64302200R	84	4,966.5	2,439.4	1.942	8.406	NOEL CADOTTE R
200C086H093P0700	81152200E	23	566.3	230.3	0.815	8.300	SUNDOWN CADOTTE E
200B054F093P0102	51702200L	94	2,995.4	2,751.3	1.049	8.240	KELLY CADOTTE L
200A059I093P0103	51702200	78	2,184.0	2,095.8	0.920	8.181	KELLY CADOTTE
200C099D093P0802	64302200S	76	1,453.8	1,903.1	0.626	7.657	NOEL CADOTTE S
202D046F093P1000	21002200B	65	2,821.9	1,475.0	1.427	7.259	BRASSEY CADOTTE B
200C096B093P0103	51702200H	124	2,344.9	3,473.2	0.621	7.072	KELLY CADOTTE H
200A017G093P0800	33402000G	75	2,658.1	1,940.7	1.163	6.806	CUTBANK PADDY G
200A061I093P0202	64302200M	244	5,873.0	6,221.9	0.791	6.697	NOEL CADOTTE M
200C034I093I1604	47802200	11	557.7	257.1	1.666	6.351	HIDING CREEK CADOTTE
200D002J093P0800	81902000J	103	4,508.6	2,852.5	1.441	6.345	TUPPER CREEK PADDY J
200C098G093P0800	81902000G	71	1,448.0	1,274.8	0.670	5.844	TUPPER CREEK PADDY G
200A003H093P0600	62102200A	191	10,992.9	5,357.0	1.891	5.680	MOOSE CADOTTE A
200D068C093I1602	64802200F	59	3,207.6	1,653.2	1.785	5.577	OJAY CADOTTE F
WELLS							
TOP WELLS		30	3,290	195,184	86,321	1.945	24.369
ALL WELLS		241	23,256	489,847	567,274	0.691	
%TOP WELLS		12.4%	14.1%	39.8%	15.2%		

## NORTHEAST BRITISH COLUMBIA PADDY / CADOTTE SANDSTONE



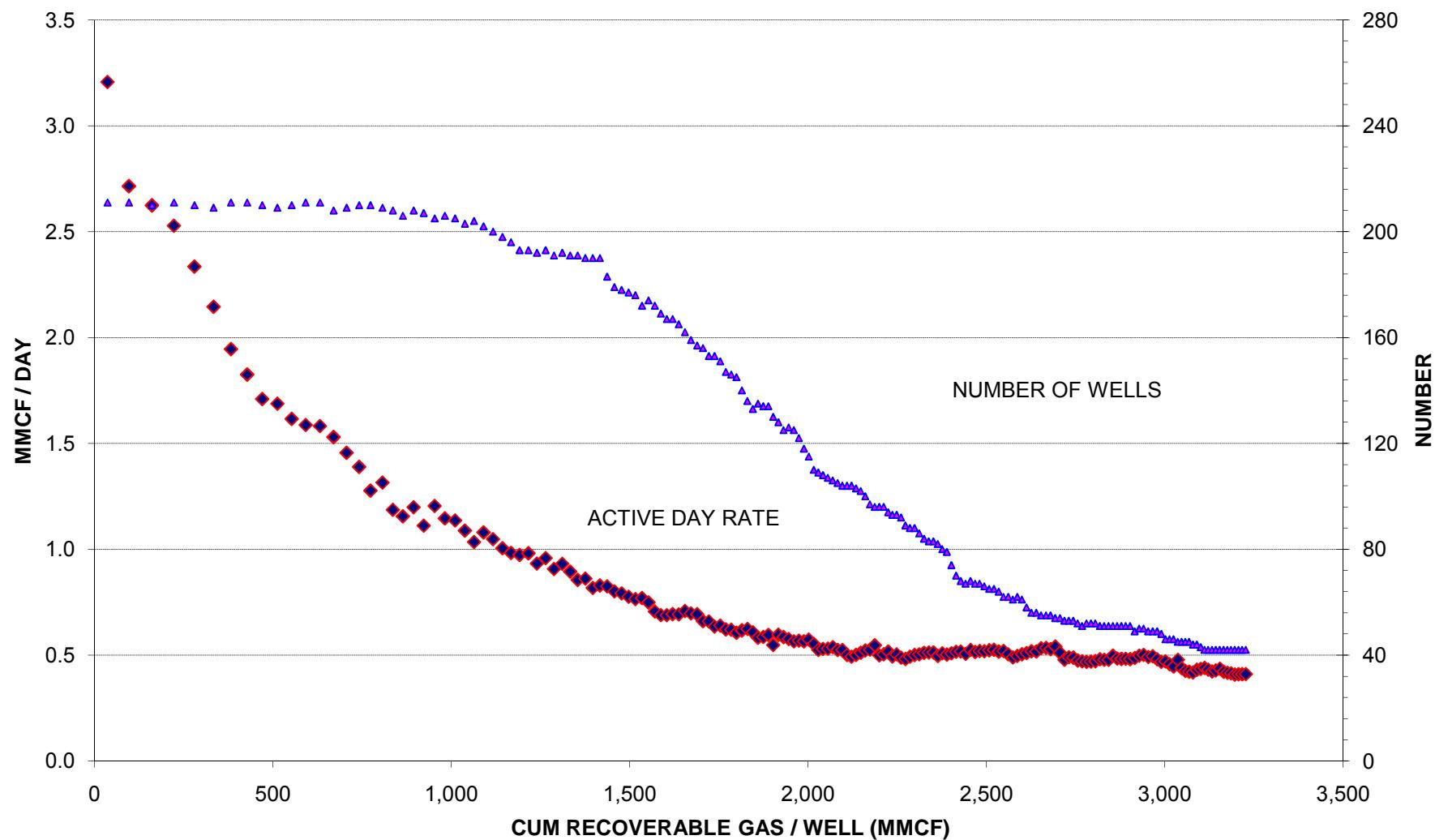
## NORTHEAST BRITISH COLUMBIA CUM - RATE PLOT

### PADDY / CADOTTE SANDSTONE



## NORTHEAST BRITISH COLUMBIA CUM - RATE PLOT

### PADDY / CADOTTE SANDSTONE



## PADDY / CADOTTE

**BRITISH COLUMBIA GAS POOLS**  
**GAS POOLS RANKED BY GAS-IN-PLACE**

RANK	FIELD NAME	POOL NAME	YEAR	TYPE	ST_AREA	GIP_BCF	RAW_BCF	IMG_BCF	MGP_BCF	RMG_BCF
1	SUNDOWN	CADOTTE A	1982	NONA	DB	80.95	72.86	63.42	58.65	4.78
2	SUNDOWN	CADOTTE F	2004	NONA	DB	73.06	65.76	57.03	37.30	19.73
3	NOEL	CADOTTE A	1986	NONA	DB	58.43	52.59	45.44	36.16	9.27
4	NOEL	CADOTTE M	1981	NONA	DB	40.46	32.37	27.94	25.22	2.72
5	MOOSE	CADOTTE A	1990	NONA	DB	27.96	25.17	21.77	19.81	1.96
6	CUTBANK	PADDY B	1999	NONA	DB	26.72	24.05	20.94	16.03	4.91
7	NOEL	CADOTTE R	1993	NONA	DB	25.65	23.09	20.00	13.01	6.99
8	SUNRISE	CADOTTE A	1951	NONA	PR	24.77	4.95	4.39	2.36	2.03
9	CUTBANK	PADDY H	2004	NONA	DB	19.97	17.98	15.66	6.09	9.57
10	NOEL	CADOTTE L	1990	NONA	DB	18.79	15.97	13.87	13.54	0.33
11	SUNDOWN	CADOTTE C	2003	NONA	DB	17.54	15.78	13.77	9.34	4.43
12	DAWSON CREEK	CADOTTE A	1957	NONA	PR	15.01	12.01	10.62	7.02	3.60
13	KELLY	CADOTTE B	1987	NONA	DB	14.09	12.68	11.90	9.00	2.90
14	TUPPER CREEK	PADDY A	1991	NONA	DB	13.52	12.17	10.62	9.92	0.70
15	OJAY	CADOTTE E	2004	NONA	GR	13.11	11.80	11.08	6.13	4.95
16	NOEL	PADDY D	1989	NONA	DB	12.74	9.56	8.33	6.70	1.63
17	OTHER AREAS	PADDY A-056-G/093-P-08	1992	NONA	DB	12.72	11.45	9.98	3.11	6.87
18	OJAY	CADOTTE F	2005	NONA	DB	12.58	11.32	10.48	4.42	6.05
19	JACKPINE	CADOTTE A	1986	NONA	DB	12.37	9.89	8.54	7.06	1.48
20	NOEL	CADOTTE D	1987	NONA	DB	11.62	9.29	7.73	6.00	1.73
21	HIDING CREEK	CADOTTE L	2006	NONA	DB	11.47	10.32	9.07	0.45	8.61
22	TUPPER CREEK	PADDY I	2000	NONA	DB	9.79	8.81	7.69	4.66	3.03
23	TUPPER CREEK	PADDY J	2001	NONA	DB	9.77	7.82	6.81	5.56	1.25
24	TUPPER CREEK	PADDY D	1991	NONA	DB	9.76	2.44	2.13	1.13	1.00
25	DOE	PEACE RIVER A	1979	NONA	PR	8.97	6.10	5.42	4.43	1.00
26	HIDING CREEK	CADOTTE G	2001	NONA	DB	8.91	8.02	7.52	3.98	3.54
27	TUPPER CREEK	PADDY H	1991	NONA	DB	8.67	6.50	5.67	3.49	2.18
28	NOEL	CADOTTE O	1990	NONA	DB	8.55	0.43	0.37	0.33	0.04
29	CUTBANK	PADDY D	2001	NONA	DB	8.52	7.67	6.68	4.94	1.74
30	TUPPER CREEK	PADDY C	1991	NONA	DB	7.64	5.73	5.00	4.89	0.11
31	OJAY	CADOTTE D	2002	NONA	DB	7.56	6.80	6.42	2.97	3.45
32	KELLY	CADOTTE C	1989	NONA	DB	7.55	6.79	6.41	5.78	0.63
33	HIDING CREEK	CADOTTE K	2006	NONA	DB	7.45	6.71	6.09	0.67	5.41
34	KELLY	CADOTTE 2004		NONA	DB	6.96	6.27	5.65	3.34	2.31
35	OJAY	CADOTTE 2005		NONA	GR	6.73	6.05	5.74	1.83	3.90
36	OJAY	CADOTTE B	2004	NONA	DB	6.64	5.97	5.49	1.00	4.49
37	NOEL	PADDY A	1987	NONA	DB	6.40	4.80	4.09	2.72	1.36
38	KELLY	CADOTTE O	2008	NONA	DB	6.16	5.54	4.77	0.76	4.01

PADDY / CADOTTE

**BRITISH COLUMBIA GAS POOLS**  
**GAS POOLS RANKED BY GAS-IN-PLACE**

RANK	FIELD NAME	POOL NAME	YEAR	TYPE	ST_AREA	GIP_BCF	RAW_BCF	IMG_BCF	MGP_BCF	RMG_BCF
39	KELLY	CADOTTE H	1997	NONA	DB	5.83	4.67	4.39	3.43	0.96
40	KELLY	CADOTTE L	2002	NONA	DB	5.82	5.23	4.41	2.69	1.71
41	CUTBANK	PADDY G	2004	NONA	DB	5.66	5.10	4.44	2.39	2.05
42	NOEL	CADOTTE S	1993	NONA	DB	5.60	5.04	4.33	2.03	2.30
43	TUPPER CREEK	PADDY E	1992	NONA	DB	5.58	5.02	4.39	0.72	3.67
44	CUTBANK	PADDY A	2001	NONA	DB	5.42	4.34	3.69	2.34	1.35
45	HIDING CREEK	CADOTTE C	1994	NONA	DB	5.23	4.45	4.24	1.84	2.40
46	CUTBANK	PADDY F	2002	NONA	DB	4.95	2.48	2.08	0.04	2.04
47	KELLY	PADDY C	2005	NONA	DB	4.89	4.40	4.11	0.00	4.11
48	SUNRISE	PADDY B	1978	NONA	PR	4.86	2.43	2.14	1.68	0.46
49	OTHER AREAS	CADOTTE D-080-K/093-P-02	2006	NONA	DB	4.85	4.37	3.74	2.05	1.69
50	CUTBANK	PADDY E	2001	NONA	DB	4.84	4.35	3.79	2.51	1.28
51	KELLY	CADOTTE I	2001	NONA	DB	4.56	3.65	3.45	2.06	1.40
52	OTHER AREAS	PADDY B-008-B/093-P-08	2002	NONA	DB	4.53	4.08	3.55	1.76	1.79
53	GRIZZLY NORTH	CADOTTE B	1994	NONA	GR	4.49	3.59	3.21	1.43	1.79
54	KELLY	CADOTTE F	1998	NONA	DB	4.46	4.01	3.47	0.66	2.81
55	OJAY	CADOTTE G	2006	NONA	DB	4.45	4.01	3.37	0.13	3.24
56	OJAY	CADOTTE C	2005	NONA	DB	4.37	3.93	3.65	1.60	2.05
57	HIDING CREEK	CADOTTE A	1979	NONA	DB	4.08	3.67	3.46	1.52	1.94
58	NOEL	PADDY C	1989	NONA	DB	3.93	1.18	1.04	0.82	0.21

PADDY / CADOTTE			BRITISH COLUMBIA GAS POOLS									
RANK	FIELD NAME	POOL NAME	AREA (Acres)	PAY (Feet)	POR	SW	TEMP (F)	PRESS (psi)	Z	DENS	MFD (Feet)	
1	SUNDOWN	CADOTTE A		20.0	0.069	0.339	143	1,785	0.851	0.645	7,383	
2	SUNDOWN	CADOTTE F		15.7	0.106	0.213	149	1,632	0.854	0.650	6,736	
3	NOEL	CADOTTE A		13.1	0.084	0.332	160	1,309	0.901	0.599	7,582	
4	NOEL	CADOTTE M		18.4	0.080	0.307	160	1,293	0.910	0.528	8,240	
5	MOOSE	CADOTTE A		17.4	0.095	0.223	136	934	0.911	0.624	6,773	
6	CUTBANK	PADDY B		19.0	0.146	0.129	147	1,549	0.872	0.624	5,741	
7	NOEL	CADOTTE R		14.4	0.105	0.185	170	1,290	0.921	0.582	7,776	
8	SUNRISE	CADOTTE A	26,601	3.9	0.234	0.540	98	730	0.920	0.577	3,131	
9	CUTBANK	PADDY H	1,107	41.0	0.115	0.107	154	1,503	0.883	0.624	8,402	
10	NOEL	CADOTTE L		15.1	0.082	0.397	152	1,215	0.897	0.609	6,663	
11	SUNDOWN	CADOTTE C	3,632	11.8	0.103	0.327	151	1,996	0.857	0.638	6,527	
12	DAWSON CREEK	CADOTTE A			0.160	0.250	98	693	0.926	0.000	2,863	
13	KELLY	CADOTTE B		14.4	0.088	0.376	158	1,898	0.872	0.611	7,199	
14	TUPPER CREEK	PADDY A		12.5	0.148	0.113	140	1,456	0.863	0.632	5,244	
15	OJAY	CADOTTE E	3,731	14.8	0.074	0.203	154	1,436	0.896	0.603	7,670	
16	NOEL	PADDY D	729	30.2	0.076	0.199	154	3,254	0.861	0.649	6,702	
17	OTHER AREAS	PADDY A-056-G/093-P-08	727	34.4	0.138	0.180	145	1,527	0.868	0.624	5,476	
18	OJAY	CADOTTE F	2,946	11.8	0.095	0.303	174	2,000	0.893	0.621	8,962	
19	JACKPINE	CADOTTE A		15.4	0.077	0.307	152	1,080	0.914	0.601	7,760	
20	NOEL	CADOTTE D		19.0	0.082	0.268	165	1,893	0.889	0.619	7,520	
21	HIDING CREEK	CADOTTE L	736	27.9	0.112	0.220	187	2,424	0.907	0.649	10,045	
22	TUPPER CREEK	PADDY I	1,527	12.5	0.139	0.150	131	1,437	0.864	0.621	5,574	
23	TUPPER CREEK	PADDY J		9.8	0.130	0.206	138	1,470	0.868	0.624	5,199	
24	TUPPER CREEK	PADDY D	724	19.7	0.170	0.078	131	1,429	0.856	0.624	4,547	
25	DOE	PEACE RIVER A	0	30.5	0.207	0.488	122	633	0.923	0.568		
26	HIDING CREEK	CADOTTE G	2,273	17.4	0.085	0.279	167	1,361	0.913	0.600	8,084	
27	TUPPER CREEK	PADDY H	727	29.9	0.102	0.140	143	1,535	0.863	0.624	5,428	
28	NOEL	CADOTTE O	727	29.5	0.092	0.271	158	2,050	0.863	0.612	6,786	
29	CUTBANK	PADDY D		10.5	0.121	0.130	154	1,617	0.874	0.631	6,001	
30	TUPPER CREEK	PADDY C		30.2	0.107	0.134	131	1,443	0.871	0.629	4,954	
31	OJAY	CADOTTE D	1,349	17.7	0.078	0.183	158	1,749	0.882	0.600	9,548	
32	KELLY	CADOTTE C		18.7	0.093	0.210	156	1,910	0.871	0.610	7,075	
33	HIDING CREEK	CADOTTE K	734	29.2	0.092	0.220	178	1,797	0.899	0.633	7,712	
34	KELLY	CADOTTE					160	1,979	0.862	0.676	6,762	
35	OJAY	CADOTTE	741				176	3,179	0.909	0.597	8,873	
36	OJAY	CADOTTE B	736	22.6	0.093	0.230	169	2,001	0.885	0.627	10,091	
37	NOEL	PADDY A		28.9	0.093	0.344	147	2,283	0.834	0.650	7,086	
38	KELLY	CADOTTE O	734	20.3	0.097	0.187	174	1,881	0.877	0.647	8,040	

## PADDY / CADOTTE

## BRITISH COLUMBIA GAS POOLS

RANK	FIELD NAME	POOL NAME	AREA (Acres)	PAY (Feet)	POR	SW	TEMP (F)	PRESS (psi)	Z	DENS	MFD (Feet)
39	KELLY	CADOTTE H	2,194	6.6	0.088	0.134	169	1,908	0.883	0.616	7,707
40	KELLY	CADOTTE L	1,463	11.5	0.096	0.278	167	1,812	0.895	0.611	7,331
41	CUTBANK	PADDY G		14.4	0.128	0.131	147	1,536	0.895	0.624	5,591
42	NOEL	CADOTTE S	1,211	9.8	0.109	0.179	160	1,840	0.875	0.629	6,411
43	TUPPER CREEK	PADDY E	724	19.7	0.120	0.220	136	1,394	0.864	0.621	4,763
44	CUTBANK	PADDY A	729	16.1	0.110	0.075	151	1,563	0.870	0.650	7,174
45	HIDING CREEK	CADOTTE C	1,453	11.5	0.086	0.332	178	2,032	0.903	0.585	
46	CUTBANK	PADDY F	729	14.8	0.117	0.140	152	1,545	0.853	0.700	7,231
47	KELLY	PADDY C	731	12.5	0.128	0.100	161	1,643	0.879	0.629	7,115
48	SUNRISE	PADDY B	2,439	10.2	0.154	0.383	97	685	0.922	0.581	2,482
49	OTHER AREAS	CADOTTE D-080-K/093-P-02					149	544	0.951	0.605	7,444
50	CUTBANK	PADDY E	689	13.1	0.128	0.080	156	1,555	0.860	0.662	6,333
51	KELLY	CADOTTE I		8.2	0.109	0.169	169	1,916	0.889	0.605	7,656
52	OTHER AREAS	PADDY B-008-B/093-P-08					154	1,521	0.882	0.622	6,229
53	GRIZZLY NORTH	CADOTTE B	1,473		0.088	0.276	147	1,044	0.919	0.635	6,340
54	KELLY	CADOTTE F	731	15.7	0.082	0.107	165	1,893	0.886	0.607	6,518
55	OJAY	CADOTTE G	736	19.0	0.081	0.300	178	2,051	0.888	0.693	10,036
56	OJAY	CADOTTE C	1,322	11.2	0.081	0.282	169	1,846	0.892	0.609	9,652
57	HIDING CREEK	CADOTTE A	909	16.1	0.093	0.238	156	1,409	0.899	0.000	9,063
58	NOEL	PADDY C		20.7	0.067	0.180	151	1,581	0.845	0.000	7,146

## SUNDOWN - CADOTTE A

Field Code:	8115	Pool Code:	2200	Seq Code:	A
Discovery Well Location:	200A023I093P0700	Discovery Date:	19-Mar-82		
		Review Date:	January-06		

Reserve Type:	Non-Associated
Mean Formation Depth:	7,383 Feet
Area:	Acres
Net Pay:	20.0 Feet
Porosity:	0.069 Fraction
Water Saturation:	0.339 Fraction
Reservoir Pressure:	1,784.5 psi
Reservoir Temperature:	143.3 Fahrenheit
Compressibility (Z):	0.851
Relative Density:	0.645
Age of Reservoir:	Lower Cretaceous
Producing/Non-producing	Producing
Gross Heating Value:	1,139.0 Btu/SCF

<b>Gas Composition</b>	
	Mole fraction
Hydrogen	0.0005
Helium	0.0001
Nitrogen	0.0071
Carbon Dioxide	0.0000
Hydrogen Sulphide	0.0024
Methane (C1)	0.8804
Ethane (C2)	0.0742
Propane (C3)	0.0197
Isobutane (IC4)	0.0038
n-Butane (NC4)	0.0046
Pentane (C5)	0.0032
Hexane (C6)	0.0016
Heptanes Plus (C7+)	0.0018

<b>Reserves (December 31, 2002)</b>		% Province	% Formation
Initial Gas-in-place	81.0 BCF	0.21%	12.2%
Initial Raw Gas	72.9 BCF	0.25%	13.2%
Initial Marketable Gas	63.4 BCF	0.26%	13.1%
Marketable Gas Produced	58.6 BCF	0.38%	18.0%
Remaining Marketable Gas	4.8 BCF	0.05%	3.0%
Calculated Liquids Content	24.2 B/MMCF		
Calculated Sulphur	0.0 MMLT		

		Province	Formation
Discovery Sequence		780	9
Rank by Gas-in-place		109	1
Rank by Init Marketable Gas		82	1
Rank by Rem Marketable Gas		412	8

## SUNDOWN - CADOTTE F

Field Code:	8115	Pool Code:	2200	Seq Code:	F
Discovery Well Location:	200C036I093P0700	Discovery Date:	01-Sep-04		
		Review Date:	January-06		

Reserve Type:	Non-Associated
Mean Formation Depth:	6,736 Feet
Area:	Acres
Net Pay:	15.7 Feet
Porosity:	0.106 Fraction
Water Saturation:	0.213 Fraction
Reservoir Pressure:	1,632.0 psi
Reservoir Temperature:	148.7 Fahrenheit
Compressibility (Z):	0.854
Relative Density:	0.650
Age of Reservoir:	Lower Cretaceous
Producing/Non-producing	Producing
Gross Heating Value:	1,141.1 Btu/SCF

<b>Gas Composition</b>	
	Mole fraction
Hydrogen	0.0000
Helium	0.0001
Nitrogen	0.0102
Carbon Dioxide	0.0000
Hydrogen Sulphide	0.0032
Methane (C1)	0.8776
Ethane (C2)	0.0729
Propane (C3)	0.0202
Isobutane (IC4)	0.0037
n-Butane (NC4)	0.0043
Pentane (C5)	0.0027
Hexane (C6)	0.0016
Heptanes Plus (C7+)	0.0030

<b>Reserves (December 31, 2001)</b>		% Province	% Formation
Initial Gas-in-place	73.1 BCF	0.19%	11.0%
Initial Raw Gas	65.8 BCF	0.22%	11.9%
Initial Marketable Gas	57.0 BCF	0.24%	11.8%
Marketable Gas Produced	37.3 BCF	0.24%	11.4%
Remaining Marketable Gas	19.7 BCF	0.22%	12.4%
Calculated Liquids Content	25.0 B/MMCF		
Calculated Sulphur	0.0 MMLT		

		Province	Formation
Discovery Sequence		2,105	65
Rank by Gas-in-place		120	2
Rank by Init Marketable Gas		90	2
Rank by Rem Marketable Gas		93	1

## NOEL - CADOTTE A

Field Code:	6430	Pool Code:	2200	Seq Code:	A
Discovery Well Location:	200D015D093P0800	Discovery Date:	02-Feb-86		
		Review Date:	May-05		

Reserve Type:	Non-Associated
Mean Formation Depth:	7,582 Feet
Area:	Acres
Net Pay:	13.1 Feet
Porosity:	0.084 Fraction
Water Saturation:	0.332 Fraction
Reservoir Pressure:	1,309.3 psi
Reservoir Temperature:	159.5 Fahrenheit
Compressibility (Z):	0.901
Relative Density:	0.599
Age of Reservoir:	Lower Cretaceous
Producing/Non-producing	Producing
Gross Heating Value:	1,050.7 Btu/SCF

<b>Gas Composition</b>	
	Mole fraction
Hydrogen	0.0003
Helium	0.0000
Nitrogen	0.0148
Carbon Dioxide	0.0000
Hydrogen Sulphide	0.0048
Methane (C1)	0.9368
Ethane (C2)	0.0323
Propane (C3)	0.0066
Isobutane (IC4)	0.0013
n-Butane (NC4)	0.0012
Pentane (C5)	0.0006
Hexane (C6)	0.0002
Heptanes Plus (C7+)	0.0004

<b>Reserves (December 31, 2001)</b>			% Province	% Formation
Initial Gas-in-place	58.4	BCF	0.15%	8.8%
Initial Raw Gas	52.6	BCF	0.18%	9.5%
Initial Marketable Gas	45.4	BCF	0.19%	9.4%
Marketable Gas Produced	36.2	BCF	0.23%	11.1%
Remaining Marketable Gas	9.3	BCF	0.11%	5.8%
Calculated Liquids Content	6.9	B/MMCF		
Calculated Sulphur	0.0	MMLT		

		Province	Formation
Discovery Sequence		861	12
Rank by Gas-in-place		150	3
Rank by Init Marketable Gas		118	3
Rank by Rem Marketable Gas		230	2

## NOEL - CADOTTE M

Field Code: 6430 Pool Code: 2200 Seq Code: M  
 Discovery Well Location: 200D062J093P0200 Discovery Date: 07-Mar-81  
   Review Date: January-02

Reserve Type:	Non-Associated		
Mean Formation Depth:	8,240	Feet	
Area:		Acres	
Net Pay:	18.4	Feet	
Porosity:	0.080	Fraction	
Water Saturation:	0.307	Fraction	
Reservoir Pressure:	1,293.0	psi	
Reservoir Temperature:	159.5	Fahrenheit	
Compressibility (Z):	0.910		
Relative Density:	0.528		
Age of Reservoir:	Lower Cretaceous		
Producing/Non-producing	Producing		
Gross Heating Value:	1,045.2	Btu/SCF	

<b>Gas Composition</b>	
	Mole fraction
Hydrogen	0.0004
Helium	0.0001
Nitrogen	0.0157
Carbon Dioxide	0.0000
Hydrogen Sulphide	0.0041
Methane (C1)	0.9395
Ethane (C2)	0.0307
Propane (C3)	0.0053
Isobutane (IC4)	0.0012
n-Butane (NC4)	0.0012
Pentane (C5)	0.0007
Hexane (C6)	0.0003
Heptanes Plus (C7+)	0.0002

<b>Reserves (December 31, 2001)</b>			% Province	% Formation
Initial Gas-in-place	40.5	BCF	0.10%	6.1%
Initial Raw Gas	32.4	BCF	0.11%	5.9%
Initial Marketable Gas	27.9	BCF	0.12%	5.8%
Marketable Gas Produced	25.2	BCF	0.16%	7.7%
Remaining Marketable Gas	2.7	BCF	0.03%	1.7%
Calculated Liquids Content	6.0	B/MMCF		
Calculated Sulphur	0.0	MMLT		

	Province	Formation
Discovery Sequence	754	7
Rank by Gas-in-place	223	4
Rank by Init Marketable Gas	187	4
Rank by Rem Marketable Gas	665	19

## MOOSE - CADOTTE A

Field Code:	6210	Pool Code:	2200	Seq Code:	A
Discovery Well Location:	200A007H093P0600	Discovery Date:	09-Mar-90		
		Review Date:	February-03		

Reserve Type:	Non-Associated
Mean Formation Depth:	6,773 Feet
Area:	Acres
Net Pay:	17.4 Feet
Porosity:	0.095 Fraction
Water Saturation:	0.223 Fraction
Reservoir Pressure:	933.9 psi
Reservoir Temperature:	136.1 Fahrenheit
Compressibility (Z):	0.911
Relative Density:	0.624
Age of Reservoir:	Lower Cretaceous
Producing/Non-producing	Producing
Gross Heating Value:	1,095.1 Btu/SCF

<b>Gas Composition</b>	Mole fraction
Hydrogen	0.0003
Helium	0.0001
Nitrogen	0.0132
Carbon Dioxide	0.0000
Hydrogen Sulphide	0.0033
Methane (C1)	0.9053
Ethane (C2)	0.0548
Propane (C3)	0.0137
Isobutane (IC4)	0.0025
n-Butane (NC4)	0.0027
Pentane (C5)	0.0016
Hexane (C6)	0.0006
Heptanes Plus (C7+)	0.0012

			% Province	% Formation
Initial Gas-in-place	28.0	BCF	0.07%	4.2%
Initial Raw Gas	25.2	BCF	0.08%	4.6%
Initial Marketable Gas	21.8	BCF	0.09%	4.5%
Marketable Gas Produced	19.8	BCF	0.13%	6.1%
Remaining Marketable Gas	2.0	BCF	0.02%	1.2%
Calculated Liquids Content	15.2	B/MMCF		
Calculated Sulphur	0.0	MMLT		

	Province	Formation
Discovery Sequence	994	22
Rank by Gas-in-place	310	5
Rank by Init Marketable Gas	236	5
Rank by Rem Marketable Gas	866	27

## NOEL - CADOTTE R

Field Code:	6430	Pool Code:	2200	Seq Code:	R
Discovery Well Location:	200D033J093P0200	Discovery Date:	17-Mar-93		
		Review Date:	May-07		

Reserve Type:	Non-Associated
Mean Formation Depth:	7,776 Feet
Area:	Acres
Net Pay:	14.4 Feet
Porosity:	0.105 Fraction
Water Saturation:	0.185 Fraction
Reservoir Pressure:	1,289.5 psi
Reservoir Temperature:	170.3 Fahrenheit
Compressibility (Z):	0.921
Relative Density:	0.582
Age of Reservoir:	Lower Cretaceous
Producing/Non-producing	Producing
Gross Heating Value:	1,034.9 Btu/SCF

<b>Gas Composition</b>	
	Mole fraction
Hydrogen	0.0001
Helium	0.0001
Nitrogen	0.0129
Carbon Dioxide	0.0000
Hydrogen Sulphide	0.0042
Methane (C1)	0.9515
Ethane (C2)	0.0254
Propane (C3)	0.0038
Isobutane (IC4)	0.0007
n-Butane (NC4)	0.0005
Pentane (C5)	0.0003
Hexane (C6)	0.0000
Heptanes Plus (C7+)	0.0000

<b>Reserves (December 31, 2001)</b>		% Province	% Formation
Initial Gas-in-place	25.7 BCF	0.07%	3.9%
Initial Raw Gas	23.1 BCF	0.08%	4.2%
Initial Marketable Gas	20.0 BCF	0.08%	4.1%
Marketable Gas Produced	13.0 BCF	0.08%	4.0%
Remaining Marketable Gas	7.0 BCF	0.08%	4.4%
Calculated Liquids Content	3.4 B/MMCF		
Calculated Sulphur	0.0 MMLT		

		Province	Formation
Discovery Sequence	1,117	26	
Rank by Gas-in-place	338	6	
Rank by Init Marketable Gas	257	6	
Rank by Rem Marketable Gas	303	4	

## SUNRISE - CADOTTE A

Field Code:	8120	Pool Code:	2200	Seq Code:	A
Discovery Well Location:	10-09-079-16W6M	Discovery Date:	30-May-51		
		Review Date:	March-99		

Reserve Type:	Non-Associated
Mean Formation Depth:	3,131 Feet
Area:	26,601 Acres
Net Pay:	3.9 Feet
Porosity:	0.234 Fraction
Water Saturation:	0.540 Fraction
Reservoir Pressure:	730.0 psi
Reservoir Temperature:	98.3 Fahrenheit
Compressibility (Z):	0.920
Relative Density:	0.577
Age of Reservoir:	Lower Cretaceous
Producing/Non-producing	Producing
Gross Heating Value:	1,007.1 Btu/SCF

<b>Gas Composition</b>	
	Mole fraction
Hydrogen	0.0000
Helium	0.0003
Nitrogen	0.0028
Carbon Dioxide	0.0000
Hydrogen Sulphide	0.0091
Methane (C1)	0.9605
Ethane (C2)	0.0240
Propane (C3)	0.0013
Isobutane (IC4)	0.0003
n-Butane (NC4)	0.0003
Pentane (C5)	0.0003
Hexane (C6)	0.0000
Heptanes Plus (C7+)	0.0005

<b>Reserves (December 31, 2001)</b>			% Province	% Formation
Initial Gas-in-place	24.8	BCF	0.06%	3.7%
Initial Raw Gas	5.0	BCF	0.02%	0.9%
Initial Marketable Gas	4.4	BCF	0.02%	0.9%
Marketable Gas Produced	2.4	BCF	0.02%	0.7%
Remaining Marketable Gas	2.0	BCF	0.02%	1.3%
Calculated Liquids Content	2.0	B/MMCF		
Calculated Sulphur	0.0	MMLT		

		Province	Formation
Discovery Sequence		1	1
Rank by Gas-in-place	358		7
Rank by Init Marketable Gas	840		25
Rank by Rem Marketable Gas	838		24

## NOEL - CADOTTE L

Field Code:	6430	Pool Code:	2200	Seq Code:	L
Discovery Well Location:	200C056A093P0700	Discovery Date:	03-Nov-90		
		Review Date:	January-06		

Reserve Type:	Non-Associated
Mean Formation Depth:	6,663 Feet
Area:	Acres
Net Pay:	15.1 Feet
Porosity:	0.082 Fraction
Water Saturation:	0.397 Fraction
Reservoir Pressure:	1,215.3 psi
Reservoir Temperature:	152.3 Fahrenheit
Compressibility (Z):	0.897
Relative Density:	0.609
Age of Reservoir:	Lower Cretaceous
Producing/Non-producing	Producing
Gross Heating Value:	1,070.1 Btu/SCF

<b>Gas Composition</b>	Mole fraction
Hydrogen	0.0000
Helium	0.0001
Nitrogen	0.0109
Carbon Dioxide	0.0000
Hydrogen Sulphide	0.0050
Methane (C1)	0.9205
Ethane (C2)	0.0463
Propane (C3)	0.0118
Isobutane (IC4)	0.0018
n-Butane (NC4)	0.0021
Pentane (C5)	0.0011
Hexane (C6)	0.0000
Heptanes Plus (C7+)	0.0000

<b>Reserves (December 31, 2001)</b>			% Province	% Formation
Initial Gas-in-place	18.8	BCF	0.05%	2.8%
Initial Raw Gas	16.0	BCF	0.05%	2.9%
Initial Marketable Gas	13.9	BCF	0.06%	2.9%
Marketable Gas Produced	13.5	BCF	0.09%	4.2%
Remaining Marketable Gas	0.3	BCF	0.00%	0.2%
Calculated Liquids Content	10.8	B/MMCF		
Calculated Sulphur	0.0	MMLT		

Discovery Sequence	Province
	Formation
Rank by Gas-in-place	1,011
Rank by Init Marketable Gas	433
Rank by Rem Marketable Gas	353
	7
	1,714
	58

## SUNDOWN - CADOTTE C

Field Code:	8115	Pool Code:	2200	Seq Code:	C
Discovery Well Location:	200D085G093P0700	Discovery Date:	01-Jan-03		
		Review Date:	May-05		

Reserve Type:	Non-Associated
Mean Formation Depth:	6,527 Feet
Area:	3,632 Acres
Net Pay:	11.8 Feet
Porosity:	0.103 Fraction
Water Saturation:	0.327 Fraction
Reservoir Pressure:	1,995.9 psi
Reservoir Temperature:	150.5 Fahrenheit
Compressibility (Z):	0.857
Relative Density:	0.638
Age of Reservoir:	Lower Cretaceous
Producing/Non-producing	Producing
Gross Heating Value:	1,125.8 Btu/SCF

<b>Gas Composition</b>	
	Mole fraction
Hydrogen	0.0000
Helium	0.0001
Nitrogen	0.0067
Carbon Dioxide	0.0000
Hydrogen Sulphide	0.0033
Methane (C1)	0.8826
Ethane (C2)	0.0749
Propane (C3)	0.0208
Isobutane (IC4)	0.0037
n-Butane (NC4)	0.0042
Pentane (C5)	0.0023
Hexane (C6)	0.0008
Heptanes Plus (C7+)	0.0006

<b>Reserves (December 31, 2001)</b>			% Province	% Formation
Initial Gas-in-place	17.5	BCF	0.04%	2.6%
Initial Raw Gas	15.8	BCF	0.05%	2.9%
Initial Marketable Gas	13.8	BCF	0.06%	2.8%
Marketable Gas Produced	9.3	BCF	0.06%	2.9%
Remaining Marketable Gas	4.4	BCF	0.05%	2.8%
Calculated Liquids Content	21.6	B/MMCF		
Calculated Sulphur	0.0	MMLT		

		Province	Formation
Discovery Sequence	1,908	55	
Rank by Gas-in-place	450	9	
Rank by Init Marketable Gas	355	8	
Rank by Rem Marketable Gas	447	10	

## DAWSON CREEK - CADOTTE A

Field Code:	3400	Pool Code:	2200	Seq Code:	A
Discovery Well Location:	03-22-079-15W6M	Discovery Date:	05-Dec-57		
		Review Date:	May-00		

Reserve Type:	Non-Associated
Mean Formation Depth:	2,863 Feet
Area:	Acres
Net Pay:	0.0 Feet
Porosity:	0.160 Fraction
Water Saturation:	0.250 Fraction
Reservoir Pressure:	693.0 psi
Reservoir Temperature:	98.3 Fahrenheit
Compressibility (Z):	0.926
Relative Density:	0.000
Age of Reservoir:	Lower Cretaceous
Producing/Non-producing	Producing
Gross Heating Value:	0.0 Btu/SCF

<b>Gas Composition</b>	Mole fraction
Hydrogen	0.0000
Helium	0.0000
Nitrogen	0.0054
Carbon Dioxide	0.0000
Hydrogen Sulphide	0.0111
Methane (C1)	0.9566
Ethane (C2)	0.0225
Propane (C3)	0.0024
Isobutane (IC4)	0.0006
n-Butane (NC4)	0.0008
Pentane (C5)	0.0006
Hexane (C6)	0.0000
Heptanes Plus (C7+)	0.0000

			% Province	% Formation
Initial Gas-in-place	15.0	BCF	0.04%	2.3%
Initial Raw Gas	12.0	BCF	0.04%	2.2%
Initial Marketable Gas	10.6	BCF	0.04%	2.2%
Marketable Gas Produced	7.0	BCF	0.05%	2.2%
Remaining Marketable Gas	3.6	BCF	0.04%	2.3%
Calculated Liquids Content	3.0	B/MMCF		
Calculated Sulphur	0.0	MMLT		

	Province	Formation
Discovery Sequence	88	2
Rank by Gas-in-place	499	10
Rank by Init Marketable Gas	431	11
Rank by Rem Marketable Gas	552	13

## KELLY - CADOTTE B

Field Code:	5170	Pool Code:	2200	Seq Code:	B
Discovery Well Location:	200A085A093P0100	Discovery Date:	18-Feb-87		
		Review Date:	June-07		

Reserve Type:	Non-Associated
Mean Formation Depth:	7,199 Feet
Area:	Acres
Net Pay:	14.4 Feet
Porosity:	0.088 Fraction
Water Saturation:	0.376 Fraction
Reservoir Pressure:	1,898.1 psi
Reservoir Temperature:	157.7 Fahrenheit
Compressibility (Z):	0.872
Relative Density:	0.611
Age of Reservoir:	Lower Cretaceous
Producing/Non-producing	Producing
Gross Heating Value:	1,076.9 Btu/SCF

<b>Gas Composition</b>	
	Mole fraction
Hydrogen	0.0000
Helium	0.0001
Nitrogen	0.0139
Carbon Dioxide	0.0000
Hydrogen Sulphide	0.0011
Methane (C1)	0.9250
Ethane (C2)	0.0420
Propane (C3)	0.0109
Isobutane (IC4)	0.0022
n-Butane (NC4)	0.0020
Pentane (C5)	0.0014
Hexane (C6)	0.0007
Heptanes Plus (C7+)	0.0007

<b>Reserves (December 31, 2001)</b>			% Province	% Formation
Initial Gas-in-place	14.1	BCF	0.04%	2.1%
Initial Raw Gas	12.7	BCF	0.04%	2.3%
Initial Marketable Gas	11.9	BCF	0.05%	2.5%
Marketable Gas Produced	9.0	BCF	0.06%	2.8%
Remaining Marketable Gas	2.9	BCF	0.03%	1.8%
Calculated Liquids Content	12.2	B/MMCF		
Calculated Sulphur	0.0	MMLT		

		Province	Formation
Discovery Sequence		876	15
Rank by Gas-in-place		521	11
Rank by Init Marketable Gas		399	9
Rank by Rem Marketable Gas		640	17

## OJAY - CADOTTE E

Field Code:	6480	Pool Code:	2200	Seq Code:	E
Discovery Well Location:	200D084D093I1600	Discovery Date:	24-Feb-04		
		Review Date:	June-07		

Reserve Type:	Non-Associated
Mean Formation Depth:	7,670 Feet
Area:	3,731 Acres
Net Pay:	14.8 Feet
Porosity:	0.074 Fraction
Water Saturation:	0.203 Fraction
Reservoir Pressure:	1,435.9 psi
Reservoir Temperature:	154.1 Fahrenheit
Compressibility (Z):	0.896
Relative Density:	0.603
Age of Reservoir:	Lower Cretaceous
Producing/Non-producing	Producing
Gross Heating Value:	1,041.7 Btu/SCF

<b>Gas Composition</b>	
	Mole fraction
Hydrogen	0.0000
Helium	0.0000
Nitrogen	0.0235
Carbon Dioxide	0.0000
Hydrogen Sulphide	0.0054
Methane (C1)	0.9342
Ethane (C2)	0.0288
Propane (C3)	0.0049
Isobutane (IC4)	0.0009
n-Butane (NC4)	0.0006
Pentane (C5)	0.0003
Hexane (C6)	0.0001
Heptanes Plus (C7+)	0.0006

<b>Reserves (December 31, 2001)</b>			% Province	% Formation
Initial Gas-in-place	13.1	BCF	0.03%	2.0%
Initial Raw Gas	11.8	BCF	0.04%	2.1%
Initial Marketable Gas	11.1	BCF	0.05%	2.3%
Marketable Gas Produced	6.1	BCF	0.04%	1.9%
Remaining Marketable Gas	4.9	BCF	0.06%	3.1%
Calculated Liquids Content	5.0	B/MMCF		
Calculated Sulphur	0.0	MMLT		

		Province	Formation
Discovery Sequence	2,048	60	
Rank by Gas-in-place	558	12	
Rank by Init Marketable Gas	415	10	
Rank by Rem Marketable Gas	393	7	

## OJAY - CADOTTE F

Field Code:	6480	Pool Code:	2200	Seq Code:	F
Discovery Well Location:	200D068C093I1602	Discovery Date:	14-Jan-05		
		Review Date:	May-07		

Reserve Type:	Non-Associated
Mean Formation Depth:	8,962 Feet
Area:	2,946 Acres
Net Pay:	11.8 Feet
Porosity:	0.095 Fraction
Water Saturation:	0.303 Fraction
Reservoir Pressure:	2,000.1 psi
Reservoir Temperature:	173.9 Fahrenheit
Compressibility (Z):	0.893
Relative Density:	0.621
Age of Reservoir:	Lower Cretaceous
Producing/Non-producing	Producing
Gross Heating Value:	1,052.3 Btu/SCF

<b>Gas Composition</b>	
	Mole fraction
Hydrogen	0.0000
Helium	0.0001
Nitrogen	0.0337
Carbon Dioxide	0.0000
Hydrogen Sulphide	0.0081
Methane (C1)	0.9139
Ethane (C2)	0.0322
Propane (C3)	0.0064
Isobutane (IC4)	0.0015
n-Butane (NC4)	0.0012
Pentane (C5)	0.0008
Hexane (C6)	0.0005
Heptanes Plus (C7+)	0.0009

<b>Reserves (December 31, 2001)</b>			% Province	% Formation
Initial Gas-in-place	12.6	BCF	0.03%	1.9%
Initial Raw Gas	11.3	BCF	0.04%	2.1%
Initial Marketable Gas	10.5	BCF	0.04%	2.2%
Marketable Gas Produced	4.4	BCF	0.03%	1.4%
Remaining Marketable Gas	6.1	BCF	0.07%	3.8%
Calculated Liquids Content	8.0	B/MMCF		
Calculated Sulphur	0.0	MMLT		

		Province	Formation
Discovery Sequence	2,148	66	
Rank by Gas-in-place	583	13	
Rank by Init Marketable Gas	439	12	
Rank by Rem Marketable Gas	334	5	

## JACKPINE - CADOTTE A

Field Code:	4975	Pool Code:	2200	Seq Code:	A
Discovery Well Location:	200A089C093P0700	Discovery Date:	26-Dec-86		
		Review Date:	January-02		

Reserve Type:	Non-Associated
Mean Formation Depth:	7,760 Feet
Area:	Acres
Net Pay:	15.4 Feet
Porosity:	0.077 Fraction
Water Saturation:	0.307 Fraction
Reservoir Pressure:	1,079.8 psi
Reservoir Temperature:	152.3 Fahrenheit
Compressibility (Z):	0.914
Relative Density:	0.601
Age of Reservoir:	Lower Cretaceous
Producing/Non-producing	Producing
Gross Heating Value:	1,044.5 Btu/SCF

<b>Gas Composition</b>	
	Mole fraction
Hydrogen	0.0002
Helium	0.0001
Nitrogen	0.0157
Carbon Dioxide	0.0000
Hydrogen Sulphide	0.0097
Methane (C1)	0.9317
Ethane (C2)	0.0323
Propane (C3)	0.0062
Isobutane (IC4)	0.0011
n-Butane (NC4)	0.0011
Pentane (C5)	0.0006
Hexane (C6)	0.0003
Heptanes Plus (C7+)	0.0004

<b>Reserves (December 31, 2001)</b>			% Province	% Formation
Initial Gas-in-place	12.4	BCF	0.03%	1.9%
Initial Raw Gas	9.9	BCF	0.03%	1.8%
Initial Marketable Gas	8.5	BCF	0.04%	1.8%
Marketable Gas Produced	7.1	BCF	0.05%	2.2%
Remaining Marketable Gas	1.5	BCF	0.02%	0.9%
Calculated Liquids Content	6.5	B/MMCF		
Calculated Sulphur	0.0	MMLT		

		Province	Formation
Discovery Sequence		874	14
Rank by Gas-in-place		591	14
Rank by Init Marketable Gas		517	14
Rank by Rem Marketable Gas		1,021	37

## NOEL - CADOTTE D

Field Code:	6430	Pool Code:	2200	Seq Code:	D
Discovery Well Location:	200D075E093P0100	Discovery Date:	23-Feb-87		
		Review Date:	January-02		

Reserve Type:	Non-Associated
Mean Formation Depth:	7,520 Feet
Area:	Acres
Net Pay:	19.0 Feet
Porosity:	0.082 Fraction
Water Saturation:	0.268 Fraction
Reservoir Pressure:	1,892.7 psi
Reservoir Temperature:	164.9 Fahrenheit
Compressibility (Z):	0.889
Relative Density:	0.619
Age of Reservoir:	Lower Cretaceous
Producing/Non-producing	Producing
Gross Heating Value:	1,040.3 Btu/SCF

<b>Gas Composition</b>	
	Mole fraction
Hydrogen	0.0000
Helium	0.0000
Nitrogen	0.0475
Carbon Dioxide	0.0000
Hydrogen Sulphide	0.0011
Methane (C1)	0.9220
Ethane (C2)	0.0231
Propane (C3)	0.0032
Isobutane (IC4)	0.0008
n-Butane (NC4)	0.0004
Pentane (C5)	0.0003
Hexane (C6)	0.0007
Heptanes Plus (C7+)	0.0002

<b>Reserves (December 31, 2001)</b>			% Province	% Formation
Initial Gas-in-place	11.6	BCF	0.03%	1.8%
Initial Raw Gas	9.3	BCF	0.03%	1.7%
Initial Marketable Gas	7.7	BCF	0.03%	1.6%
Marketable Gas Produced	6.0	BCF	0.04%	1.8%
Remaining Marketable Gas	1.7	BCF	0.02%	1.1%
Calculated Liquids Content	3.9	B/MMCF		
Calculated Sulphur	0.0	MMLT		

		Province	Formation
Discovery Sequence		877	16
Rank by Gas-in-place		616	15
Rank by Init Marketable Gas		558	15
Rank by Rem Marketable Gas		935	32

## HIDING CREEK - CADOTTE L

Field Code: 4780 Pool Code: 2200 Seq Code: L  
 Discovery Well Location: 200D087G093I1600 Discovery Date: 17-Oct-06  
 Review Date: June-09

Reserve Type:	Non-Associated		
Mean Formation Depth:	10,045	Feet	
Area:	736	Acres	
Net Pay:	27.9	Feet	
Porosity:	0.112	Fraction	
Water Saturation:	0.220	Fraction	
Reservoir Pressure:	2,424.4	psi	
Reservoir Temperature:	186.5	Fahrenheit	
Compressibility (Z):	0.907		
Relative Density:	0.649		
Age of Reservoir:	Lower Cretaceous		
Producing/Non-producing	Producing		
Gross Heating Value:	1,020.1	Btu/SCF	

<b>Gas Composition</b>	Mole fraction
Hydrogen	0.0000
Helium	0.0001
Nitrogen	0.0916
Carbon Dioxide	0.0000
Hydrogen Sulphide	0.0011
Methane (C1)	0.8960
Ethane (C2)	0.0092
Propane (C3)	0.0009
Isobutane (IC4)	0.0003
n-Butane (NC4)	0.0001
Pentane (C5)	0.0000
Hexane (C6)	0.0001
Heptanes Plus (C7+)	0.0002

<b>Reserves (December 31, 2001)</b>		% Province	% Formation
Initial Gas-in-place	11.5	BCF	0.03%
Initial Raw Gas	10.3	BCF	0.03%
Initial Marketable Gas	9.1	BCF	0.04%
Marketable Gas Produced	0.5	BCF	0.00%
Remaining Marketable Gas	8.6	BCF	0.10%
Calculated Liquids Content	1.1	B/MMCF	
Calculated Sulphur	0.0	MMLT	

	Province	Formation
Discovery Sequence	2,416	71
Rank by Gas-in-place	624	16
Rank by Init Marketable Gas	491	13
Rank by Rem Marketable Gas	252	3

## HIDING CREEK - CADOTTE G

Field Code:	4780	Pool Code:	2200	Seq Code:	G
Discovery Well Location:	200D039G093I1600	Discovery Date:	09-Feb-01		
		Review Date:	May-05		

Reserve Type:	Non-Associated
Mean Formation Depth:	8,084 Feet
Area:	2,273 Acres
Net Pay:	17.4 Feet
Porosity:	0.085 Fraction
Water Saturation:	0.279 Fraction
Reservoir Pressure:	1,360.7 psi
Reservoir Temperature:	166.7 Fahrenheit
Compressibility (Z):	0.913
Relative Density:	0.600
Age of Reservoir:	Lower Cretaceous
Producing/Non-producing	Producing
Gross Heating Value:	1,022.7 Btu/SCF

<b>Gas Composition</b>	Mole fraction
Hydrogen	0.0000
Helium	0.0001
Nitrogen	0.0297
Carbon Dioxide	0.0000
Hydrogen Sulphide	0.0087
Methane (C1)	0.9395
Ethane (C2)	0.0176
Propane (C3)	0.0028
Isobutane (IC4)	0.0006
n-Butane (NC4)	0.0005
Pentane (C5)	0.0003
Hexane (C6)	0.0001
Heptanes Plus (C7+)	0.0001

<b>Reserves (December 31, 2001)</b>		% Province	% Formation
Initial Gas-in-place	8.9 BCF	0.02%	1.3%
Initial Raw Gas	8.0 BCF	0.03%	1.5%
Initial Marketable Gas	7.5 BCF	0.03%	1.5%
Marketable Gas Produced	4.0 BCF	0.03%	1.2%
Remaining Marketable Gas	3.5 BCF	0.04%	2.2%
Calculated Liquids Content	2.9 B/MMCF		
Calculated Sulphur	0.0 MMLT		

	Province	Formation
Discovery Sequence	1,736	47
Rank by Gas-in-place	749	17
Rank by Init Marketable Gas	571	16
Rank by Rem Marketable Gas	559	14

## NOEL - CADOTTE O

Field Code:	6430	Pool Code:	2200	Seq Code:	O
Discovery Well Location:	200D011E093P0800	Discovery Date:	08-Feb-90		
		Review Date:	February-02		

Reserve Type:	Non-Associated
Mean Formation Depth:	6,786 Feet
Area:	727 Acres
Net Pay:	29.5 Feet
Porosity:	0.092 Fraction
Water Saturation:	0.271 Fraction
Reservoir Pressure:	2,050.3 psi
Reservoir Temperature:	157.7 Fahrenheit
Compressibility (Z):	0.863
Relative Density:	0.612
Age of Reservoir:	Lower Cretaceous
Producing/Non-producing	Producing
Gross Heating Value:	1,083.8 Btu/SCF

<b>Gas Composition</b>	
	Mole fraction
Hydrogen	0.0004
Helium	0.0002
Nitrogen	0.0079
Carbon Dioxide	0.0000
Hydrogen Sulphide	0.0031
Methane (C1)	0.9115
Ethane (C2)	0.0597
Propane (C3)	0.0118
Isobutane (IC4)	0.0017
n-Butane (NC4)	0.0020
Pentane (C5)	0.0011
Hexane (C6)	0.0005
Heptanes Plus (C7+)	0.0001

<b>Reserves (December 31, 2001)</b>		% Province	% Formation
Initial Gas-in-place	8.6 BCF	0.02%	1.3%
Initial Raw Gas	0.4 BCF	0.00%	0.1%
Initial Marketable Gas	0.4 BCF	0.00%	0.1%
Marketable Gas Produced	0.3 BCF	0.00%	0.1%
Remaining Marketable Gas	0.0 BCF	0.00%	0.0%
Calculated Liquids Content	11.3 B/MMCF		
Calculated Sulphur	0.0 MMLT		

		Province	Formation
Discovery Sequence		987	21
Rank by Gas-in-place		772	18
Rank by Init Marketable Gas		2,203	69
Rank by Rem Marketable Gas		2,255	69

## OJAY - CADOTTE D

Field Code:	6480	Pool Code:	2200	Seq Code:	D
Discovery Well Location:	200C028C093I1600	Discovery Date:	18-May-02		
		Review Date:	June-07		

Reserve Type:	Non-Associated
Mean Formation Depth:	9,548 Feet
Area:	1,349 Acres
Net Pay:	17.7 Feet
Porosity:	0.078 Fraction
Water Saturation:	0.183 Fraction
Reservoir Pressure:	1,748.7 psi
Reservoir Temperature:	157.7 Fahrenheit
Compressibility (Z):	0.882
Relative Density:	0.600
Age of Reservoir:	Lower Cretaceous
Producing/Non-producing	Producing
Gross Heating Value:	1,050.9 Btu/SCF

<b>Gas Composition</b>	
	Mole fraction
Hydrogen	0.0001
Helium	0.0002
Nitrogen	0.0162
Carbon Dioxide	0.0000
Hydrogen Sulphide	0.0043
Methane (C1)	0.9361
Ethane (C2)	0.0323
Propane (C3)	0.0065
Isobutane (IC4)	0.0014
n-Butane (NC4)	0.0010
Pentane (C5)	0.0006
Hexane (C6)	0.0002
Heptanes Plus (C7+)	0.0003

<b>Reserves (December 31, 2001)</b>			% Province	% Formation
Initial Gas-in-place	7.6	BCF	0.02%	1.1%
Initial Raw Gas	6.8	BCF	0.02%	1.2%
Initial Marketable Gas	6.4	BCF	0.03%	1.3%
Marketable Gas Produced	3.0	BCF	0.02%	0.9%
Remaining Marketable Gas	3.4	BCF	0.04%	2.2%
Calculated Liquids Content	6.7	B/MMCF		
Calculated Sulphur	0.0	MMLT		

		Province	Formation
Discovery Sequence		1,865	52
Rank by Gas-in-place		848	19
Rank by Init Marketable Gas		638	17
Rank by Rem Marketable Gas		575	15

## KELLY - CADOTTE C

Field Code:	5170	Pool Code:	2200	Seq Code:	C
Discovery Well Location:	200A087H093P0100	Discovery Date:	03-Jan-89		
		Review Date:	August-04		

Reserve Type:	Non-Associated
Mean Formation Depth:	7,075 Feet
Area:	Acres
Net Pay:	18.7 Feet
Porosity:	0.093 Fraction
Water Saturation:	0.210 Fraction
Reservoir Pressure:	1,910.4 psi
Reservoir Temperature:	155.9 Fahrenheit
Compressibility (Z):	0.871
Relative Density:	0.610
Age of Reservoir:	Lower Cretaceous
Producing/Non-producing	Producing
Gross Heating Value:	1,072.6 Btu/SCF

<b>Gas Composition</b>	
	Mole fraction
Hydrogen	0.0000
Helium	0.0002
Nitrogen	0.0107
Carbon Dioxide	0.0000
Hydrogen Sulphide	0.0053
Methane (C1)	0.9180
Ethane (C2)	0.0503
Propane (C3)	0.0102
Isobutane (IC4)	0.0017
n-Butane (NC4)	0.0018
Pentane (C5)	0.0010
Hexane (C6)	0.0004
Heptanes Plus (C7+)	0.0004

<b>Reserves (December 31, 2001)</b>			% Province	% Formation
Initial Gas-in-place	7.5	BCF	0.02%	1.1%
Initial Raw Gas	6.8	BCF	0.02%	1.2%
Initial Marketable Gas	6.4	BCF	0.03%	1.3%
Marketable Gas Produced	5.8	BCF	0.04%	1.8%
Remaining Marketable Gas	0.6	BCF	0.01%	0.4%
Calculated Liquids Content	10.3	B/MMCF		
Calculated Sulphur	0.0	MMLT		

		Province	Formation
Discovery Sequence	933	17	
Rank by Gas-in-place	849	20	
Rank by Init Marketable Gas	639	18	
Rank by Rem Marketable Gas	1,446	53	