

Changes to CSV File Layout for Gas Royalty Invoices

Petroleum and Natural Gas Act

Latest Revision: *The revision bar (|) identifies changes to the previous version of this Information Letter dated December 2016.*

Gas Royalty Invoices are delivered to producers as MS Word documents. Additionally, the invoices are delivered in the form of a Comma Separated Variable (CSV) file that can be uploaded into producers' accounting systems.

For a given producer and period, the CSV file has one record for every UWI/Plant or PE/Plant combination. All numeric items are right-justified and zero-filled.

What's Changing

The CSV file for Gas Royalty Invoices will increase the Field Length to 14 digits and the Format Reference will be amended to accommodate negative sales values for all By-Products, Total Liquids Sales and Total Field Sales. This is not for industry reporting. This change is happening because our Validations and Audit section must process by-product amendments under the specific by-product unique well identifier.

The 16-digit by-product identifier starts with the number 30 and contains an 8-digit plant code and a 4-digit client code. This is followed by SU or BY, which shows whether you have received a sulphur adjustment or some other by-product adjustment. For example, the by-product identifier for client 0123 and plant 000000439, adjusting sulphur volumes only, will be 30000004390123SU.

Changes are **shown in red/italics in the schedule below** and were reflected on the first run invoices in **February 2017**.

Further Information

Online: gov.bc.ca/oilandnaturalgastaxes

Telephone (Victoria): 250 952-0192

Toll free in Canada: 1 800 667-1182

Email: Oil&GasRoyaltyQuestions@gov.bc.ca

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The information in this letter is for your convenience and guidance and is not a replacement for the legislation.

Schedule
Gas Royalty (BC-08) Invoice for Production CSV File Layout

Field	Field Name	Start	Length	Format	Example	Comments
A	Producer Code	1	4+1= 5	X(4),	0999,	4 digit client code
B	Production Month	6	6+1= 7	YYYYMM,	200603,	Year/Month in which gas was produced
C	Plant Code	13	8+1= 9	X(8),	00000010,	8 digit plant code reported on BC08
D	Facility Code	22	8+1= 9	X(8),	00000011,	8 digit facility code reported on BC08
E	Linked Facility	31	8+1= 9	X(8),	00000011,	Facility to which well is linked per OGC records
F	Production Source	40	8+1= 9	X(8),	00001234,	Production source code reported on BC08
G	UWI	49	16+1=17	X(16),	10000000000000002,	16 character unique well identifier
H	WA Number	66	5+1= 6	X(5),	05786,	Well Authorization number issued by OGC
I	PE ID	72	4+1= 5	X(4),	0015,	4 digit Production Entity Code
J	Raw Gas Volume	77	9+1=10	9(7).9(1),	0000615.8,	Raw gas volume from (10 ³ m ³)
K	Marketable Gas Volume	87	9+1=10	9(7).9(1),	0000601.2,	Marketable gas volume from (10 ³ m ³)
L	Product Type	97	4+1= 5	X(4),	NG12,	Classification and base royalty rate
M	Crown or Freehold	102	1+1= 2	X(1),	C,	C=Crown, F=Freehold
N	Reference Price	104	7+1= 8	9(3).9(3),	403.125,	Price used to calculate royalty
O	Producer Price	112	7+1= 8	9(3).9(3),	403.125,	Average sales price of producers gas at the plant
P	Reference Price Value	120	10+1=11	9(7).9(2),	0242358.75,	Reference Price x Marketable Gas Volume
Q	Producer Price Value	131	10+1=11	9(7).9(2),	0242358.75,	Producer Price x Marketable Gas Volume
R	Base Royalty Rate	142	8+1= 9	9(2).9(5),	27.00000,	Royalty rate before production-based reduction
S	S1 Volume	151	9+1=10	9(7).9(1),	0000625.6,	Production for the well event as reported on S1
T	Exempt S1 Volume	161	9+1=10	9(7).9(1),	0000000.0,	Production per S1 x Exempt S1 Fraction
U	Exempt S1 Fraction	171	9+1=10	9(1).9(7),	0.0000000,	Fraction (not %) of S1 volume that is exempt
V	Hours of Production	181	3+1= 4	9(3),	744,	Hours of production as reported on S1
W	Daily Volume Cutoff	185	5+1= 6	9(3).9(1),	025.0,	Average Daily S1 Volume below which production-based rate reductions take effect
X	Average Daily S1 Volume	191	13+1=14	9(5).9(7),	00020.1806452,	(S1 Volume / Hours) x 24
Y	Royalty Rate Redn Factor	205	8+1=9	9(2).9(5),	00.03716,	Fractional multiplier to base rate, >0, <1
Z	Royalty Rate Reduction	214	8+1=9	9(2).9(5),	01.00332,	% amount deducted from Base Royalty Rate
AA	Net Royalty Rate	223	8+1=9	9(2).9(5),	25.99668,	Base Royalty Rate less Royalty Rate Reduction
AB	Marketable Gas Royalty	232	10+1=11	9(7).9(2),	0063005.23,	Royalty on marketable gas before deductions
AC	Gas Crown Share	243	9+1=10	9(7).9(1),	0000156.3,	Marketable Gas Volume x Net Royalty Rate / 100

Field	Field Name	Start	Length	Format	Example	Comments
AD	Ethane Sales Volume	253	9+1=10	9(7).9(1),	0000012.3,	Volume of ethane (m ³) reported on BC08
AE	Ethane Sales Value	263	13+1=14	9(10).9(2),	0000000145.61,	\$ Value of ethane reported on BC08
AF	Ethane Crown Share	277	13+1=14	9(10).9(2),	00000000002.5,	Ethane Sales Volume x Liquid Royalty Rate
AG	Propane Sales Volume	291	9+1=10	9(7).9(1),	0000015.6,	Volume of Propane (m ³) reported on BC08
AH	Propane Sales Value	301	13+1=14	9(10).9(2),	0000000189.98,	\$ Value of Propane reported on BC08
AI	Propane Crown Share	315	13+1=14	9(10).9(2),	00000000003.1,	Propane Sales Volume x Liquid Royalty Rate
AJ	Butane Sales Volume	329	9+1=10	9(7).9(1),	0000007.0,	Volume of Butane (m ³) reported on BC08
AK	Butane Sales Value	339	13+1=14	9(10).9(2),	0000000789.60,	\$ Value of Butane as reported on BC08
AL	Butane Crown Share	353	13+1=14	9(10).9(2),	00000000001.4,	Butane Sales Volume x Liquid Royalty Rate
AM	Pentane Sales Volume	367	9+1=10	9(7).9(1),	0000009.6,	Volume of Pentanes (m ³) reported on BC08
AN	Pentane Sales Value	377	13+1=14	9(10).9(2),	0000000125.60,	\$ Value of Pentanes reported on BC08
AO	Pentane Crown Share	391	13+1=14	9(10).9(2),	00000000001.9,	Pentane Sales Volume x Liquid Royalty Rate
AP	Field Cond Sales Volume	405	9+1=10	9(7).9(1),	0000001.2,	Volume of Condensate (m ³) reported on BC08
AQ	Field Cond Sales Value	415	13+1=14	9(10).9(2),	0000000345.60,	\$ Value of Condensate reported BC08
AR	Cond Crown Share	429	13+1=14	9(10).9(2),	00000000000.2,	Condensate Sales Volume x Liquid Roy Rate
AS	Natural Gas Liquid Sales Value	443	13+1=14	9(10).9(2),	0000001596.39,	Sum of Sales Values of liquids above
AT	Liquid Royalty Rate	457	8+1=9	9(2).9(5),	20.00000,	Royalty rate for liquid products
AU	Natural Gas Liquid Royalty	466	13+1=14	9(10).9(2),	0000000319.28,	Total liquids royalty before deductions
AV	Sulphur Sales Volume	480	9+1=10	9(7).9(1),	0000001.1,	Weight of Sulphur (tonnes) reported on BC08
AW	Sulphur Sales Value	490	13+1=14	9(10).9(2),	000000220.40,	\$ Value of Sulphur reported on BC08
AX	Sulphur Crown Share	504	13+1=14	9(10).9(2),	0000000000.2,	Sulphur Sales x Sulphur Royalty Rate
AY	Sulphur Royalty Rate	518	8+1=9	9(2).9(5),	16.66700,	Royalty rate for Sulphur
AZ	Sulphur Royalty	527	13+1=14	9(10).9(2),	000000044.08,	Sulphur royalty before deductions
BA	By-Product Sales Value	541	13+1=14	9(10).9(2),	000001638.47,	Sum of \$ Value of liquids and sulphur
BB	Total By-Product Royalty	555	13+1=14	9(10).9(2),	000000363.36,	Total liquids and sulphur royalty
BC	Total Sales Value	569	13+1=14	9(10).9(2),	000243997.22,	Sum of Ref Price Value and By-prod Sales Value
BD	Total Gross Royalty	583	13+1=14	9(10).9(2),	000063368.59,	Sum of Marketable Gas Royalty and By-Product Royalty
BE	Weighted Average Roy Rate	597	8+1=9	9(2).9(5),	25.97082,	Total Gross Royalty / Total Sales Value
BF	UWI Compression Flag	606	1+1=2	X(1),	Y,	Y if UWI not under compression, but facility is Blank if UWI and facility under compression N if neither UWI nor facility under compression
BG	PCOS Rate	608	10+1=11	9(7).9(2),	0000014.04,	Sum of PCOS component rates UWI is eligible for

Field	Field Name	Start	Length	Format	Example	Comments
BH	PCOS Deduction	619	10+1=11	9(7).9(2),	0002245.39,	PCOS Allowance deducted from royalties
BI	Gross Royalty Less PCOS	630	13+1=14	9(10).9(2),	000061123.20,	Total Gross Royalty – PCOS Deduction
BJ	Exempt Deduction	644	10+1=11	9(7).9(2),	0000000.00,	Exempt S1 Fraction x Gross Royalty Less PCOS
BK	Deep Well Deduction	655	10+1=11	9(7).9(2),	0060757.60,	Deduction due to deep well bank
BL	Net Royalty Payable	666	13+1=14	9(10).9(2),	000000000.00,	Gross Royalty Less PCOS less Exempt and Deep Well Deductions
BM	Previous Royalty Payable	680	13+1=14	9(10).9(2),	000021503.12,	Net Royalty Payable on previous invoice
BN	Change Type	694	3+1=4	X(3),	UPD,	NEW = no previous record UPD = replaces a previous record
BO	Received Date	698	8+1=9	YYYYMMDD,	20060831,	Date from Datetime Stamp on BC08
BP	Processed Date	707	8+1=9	YYYYMMDD,	20060905,	Date when BC08 was posted
BQ	Calc Royalty Date	716	8+1=9	YYYYMMDD,	20060910,	Date of royalty calculation
BR	Calc Royalty Time	725	6+1=7	9(6),	180301,	Time of royalty calculation
BS	Invoice Date	732	8+1=9	YYYYMMDD,	20060911,	Date of invoice
BT	Invoice Count	741	4+1=5	9(4),	0002,	Invoice version number
BU	Total Net Royalty Payable	746	13+1=14	9(10).9(2),	00010121503.12	Producer's total net payable for the REN/period
BV	Deep Bank Effect of the Minimum Royalty %	760	1+1=2	X(1),	a or d or z	<i>To show the effect of the minimum royalty on the deep bank, (a)ddition, (d)eduction, or (z)ero</i>
BW	Minimum Royalty % Used	762	6+1=7	9(2).9(3),	3 or 6	<i>Displays the minimum royalty applied</i>
BX	Effect on Deep Bank	769	10+1=11	9(7).9(2),	00000000.00	<i>Net effect on the deep well bank of the minimum royalty</i>
BY	Identifies the Deep Bank Tier that applies	780	1+0=1	X(1)	1	<i>Deep bank tier, will be 1, 2, B or blank</i>