

GAS ROYALTY CALCULATION INFORMATION BULLETIN October 2002

02-10

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PLEASE ENSURE YOUR PRODUCTION ACCOUNTANTS RECEIVE A COPY OF THIS DOCUMENT.

A. PRICING RATES AND TRANSPORTATION INFORMATION

For Pricing, Royalty Rates and Transportation Information for August 2002, refer to Attachments [1](#), [2](#), [2A](#), and [3](#).

B. NOTICES

Natural Gas Royalty Regulation, 2002

On October 22, 2002, the amended version of the Natural Gas Royalty Regulation was passed by Order in Council. This authorizes the royalty changes for natural gas liquid (NGL) products and for gas commencing with the production in October 2002.

The royalty changes apply to the NGLs ethane, propane and butanes and to gas so that the gas royalty recognizes the NGL components that remain in the gas stream (in stream components). In June 2002 the Department published [Information Letter 2002-19](#) and [Information Bulletin 02-06A](#) that describe these royalty changes.

Non-operating Royalty Payers

(Companies and individuals that are not operators of facilities, but do currently receive information from industry partners, or invoices, statements and other correspondence from the Department of Energy are being referred to as “Non-operating Royalty Payers” by the Petroleum Registry of Alberta)

Registry Goes-Live October 31, 2002

There are a number of actions all stakeholders must complete before they can use the Registry when it goes live at the end of this month. The first is to get your 4-character Business Associate (BA) Code. If you currently have a 7-digit Department of Energy (DOE) Royalty Client code, you have been issued a new 4-character BA Code. If you have not received your new 4-character ID, contact the DOE’s Client Registry (780-422-1395) immediately.

In addition to having a BA ID, all users of the Registry must have a BA User Security Administrator (USA) ID and password. Leading up to implementation, the process for securing a BA USA ID and password can be found in the Getting Ready area of the Registry web site. After implementation, contact the DOE Client Registry (780-422-1395) and they will assist with a valid BA code, obtaining a BA USA and passwords.

The Registry has undertaken many activities to ensure all stakeholders have the knowledge required to use the Registry. Specific non-operating royalty payer training modules have been designed to address the special needs of this stakeholder group. The modules are for use “free of charge”. To gain access to these modules, go to the Training area of the Registry web site and follow the instructions under the Online Industry Training link.

Note: users need an Internet Explorer browser of 5.5 or higher in order to access Registry training.

While use of the Registry by non-operating royalty payers is optional for DOE and EUB invoice and statement retrieval, your invoices and statements will automatically be securely stored on the Registry, *and* you will continue to receive paper copies as well. However, you can elect to use the Registry exclusively (no more paper). To learn more about this election, call the DOE Client Registry.

Even if you choose not to use the Registry, all non-operating royalty payers should contact their operating partners to see how they plan to use the Registry. A key non-regulated, industry-to-industry component of the Registry is the ability to conduct partner reporting “on-line”. Many operators will look to their non-operating partners to retrieve their partner reports on-line through the Registry. This will be phased in over time, but some operators will implement portions of this new way of doing business on Registry start-up. It would be beneficial to discuss this matter with your operating partner as soon as possible.

If you have any questions about the use of the Registry, before or after implementation, please contact the Registry Service Desk at (403) 297-6111 (in Calgary) 1-800-992-1144 (other locations).

MRIS Will Not Be Available from October 15, 2002 to November 1, 2002

Due to the August 2002 billing period invoice run activities and the MRIS/Registry Migration, MRIS will not be available from October 15, 2002 to November 1, 2002 inclusive. Royalty clients are advised that documents submitted in paper format to the Department during this period will not be keyed or processed. ETS clients may continue to submit documents electronically as the data will be accepted through ETS but not processed.

This will affect the Department’s 10-day turnaround time in issuing document rejection notices to royalty clients, thus resulting in potential penalty reversals. Therefore, royalty clients who receive a reject letter dated beyond the 10 business days (for documents sent to the Department within this period only), must submit the corrected documents and a letter requesting a penalty reversal within 60 days from the date of the reject letter in order for a penalty reversal to be considered.

Services Available on ETS After Registry Implementation

The following is a list of services that will be available through ETS.

Submissions/Searches

- Land and Mineral Searches
- Alta Title Searches
- Gas Royalty Forms (AC2, AC4, PPL)*
- Natural Gas Forms (APMC 600)
- Gas Transmission Forms (Third Party)
- Mainline Straddle Plant Allocation Statement (APMC – 700)
- Pipeline In-Stream Component Report
- NGL 100 Form
- Debit Remittance for Royalty
- Monthly Statement Auto Debit Increase

Dissemination

- Monthly Rental & Mineral Rental Statements
- Mineral Tax

Subscriptions/Tape Information

- Daily/Monthly Mineral Industry
- Daily/Monthly Mineral Well Spacing
- Daily/Monthly Encumbrance

*AC2 & AC4 Submissions

Verification reports will remain on ETS.

RMF3 Working Interest Ownership (WIO) Revalidation Notice

Records created by an RMF3 WIO submission can be modified or rejected by our revalidation process. Revalidation occurs due to retroactive changes to infrastructure records, such as production entities (PE) or Crown interest (CI%). This may cause previous royalty calculations to be reversed and recalculated.

The notice will identify the original RMF3 Submitter, Stream Id, Effective date, and Termination date and will be sent to all working interest owners. The notice will advise that:

- a) The RMF3-WIO for Well Event [Id #] has been deleted as the well event has been tied to PE [####] as of [date range], or
- b) The effective date range of the RMF3-WIO for Well Event [Id #] has been modified to [date] as the well event has been tied to PE [####] as of [date range], or
- c) RMF3-WIO has been deleted for the Production Entity [####] due to a change in Gas CI% [####], as of [date] the Gas CI% has been modified.

If you have any questions about a notice that you receive, please contact Gas Royalty Client Services Help Desk (780) 427-2962.

Business Associate (BA)

If you currently have a 4-character EUB operator code

This is your Registry BA ID.

If you previously had a 7-digit DOE Royalty Client code

You have been issued a new 4-character BA Identifier. The complete table of all converted 7-digit client IDs to the new standardized 4-character BA Identifier is available at

www.energy.gov.ab.ca/gmd/images/MasterList.pdf or in the Reference Material section in the Documents area of the Registry web site (www.petroleumregistry.gov.ab.ca).

Prior to the implementation of the Petroleum Registry of Alberta (October 31, 2002), please ensure that only one 4-character Business Associate (BA) ID is assigned to you or your company. If multiple 4-character BA ID codes are found, please contact Client Registry at (780) 422-1395 to resolve.

If you do not have a 4-character EUB operator code or a 7-digit DOE Royalty Client code:

Registry BA ID Request

After Registry implementation (October 31, 2002), companies and/or individuals will be able to use the Registry to request a 4-character BA identifier. To request a BA ID complete and submit an application form via the Registry, use the “Apply_for_Access” link, on the Registry web site home page (www.petroleumregistry.gov.ab.ca). As well as applying for a BA, this form also asks that you appoint a User Security Administrator (USA). Stakeholders must also mail in a letter (with an authorized signature within 7 days of applying for the BA ID) requesting the new identifier to the Department of Energy “Client Registry” group. Once a company/individual is validated for use of the Registry, a BA ID will be issued to them. When this occurs, the USA will be phoned and given a BA USA ID and password. *See Set-up BA User Security Administrator (Post Registry Implementation) section of this document for further information on the set-up of a BA User Administrator.*

Written BA ID Request

Clients without access to the Registry can submit a written request (see [Attachment 10](#): Sample BA ID Request Letter from BA to Client Registry) for a 4-character identifier to the DOE’s “Client Registry” group. As well as applying for a BA, the sample BA ID request letter also asks that you appoint a User Security Administrator (USA). Stakeholders must also mail in a letter (with an authorized signature – see [Attachment 7](#): Sample BA USA Authorization Letter from BA to Client Registry) requesting the new identifier to the Department of Energy “Client Registry” group. Once a company/individual is validated for use of the Registry, a BA ID will be issued to them. When this occurs, the USA will be contacted and given a BA USA ID and password. *See Set-up BA User Security Administrator (Post Registry Implementation) section of this document for further information on the set-up of a BA User Administrator.*

Note 1: When specifying the BA role(s) that you require in your BA ID Request Letter from BA to Client Registry, please see [Attachment 9](#): Business Associate Roles in the Registry for a detailed listing of all possible BA roles.

Note 2: If you wish to become an Energy and Utilities Board (EUB) Licence Holder and have indicated an abbreviated BA Name in your BA ID request letter, please contact the EUB to complete the EUB Licence Holder Request procedure.

Written request for a BA ID should be sent to:

Alberta Department of Energy
Client Registry
9945 108 Street, 3rd Floor
Edmonton, Alberta
T5K 2G6
Fax: 780-422-9522

To obtain more information about securing a new BA code, please contact the Client Registry group at (780) 422-1395.

Set-up BA User Security Administrator (Post Registry Implementation)

In order to access the Registry, along with a BA ID, each BA must also obtain a BA User Security Administrator (USA) ID and password.

Note that only those individuals who have a legitimate business reason for using the Petroleum Registry of Alberta (Registry) will be issued the User Security Administrator (USA) ID, which will allow them access to public and secure data in the Registry. BAs are only able to view public data and their own secure information on the system. BAs will not have access to non-public information provided by other BAs. All public information from the Registry can be obtained from existing Ministry of Energy sources, either on the DOE or EUB web sites or via EUB's Data Dissemination program.

A guiding principle of the Registry is that “the data must be secure”. To ensure that only authorized individuals receive access to secure data on the database, a comprehensive security system has been created to protect the confidentiality and availability of Registry data. Users must have proper authority to submit and access data. (See “Registry Security Overview” on the Registry web site for more details on Registry security design and operations). A key component of the Registry's application security is the role of User Security Administrator (USA). Each company or individual, known as a Business Associate (BA), who requires access to the Registry, must assign an individual to perform the role of USA for his or her company. The USA has the responsibility for setting up and managing security for all users of the Registry for that BA.

All stakeholders with a valid BA ID were also assigned a BA USA ID and password at implementation. To obtain this information, contact the Department of Energy's “Client Registry” at (780) 422-1395. You will be instructed on what steps must be taken to access your BA USA ID and password.

BA USA Set-up Process– Post Registry Implementation (October 31, 2002)

Regardless of whether you are applying for a 4-character EUB Operator code or if you have a code but do not have a BA USA, use the following procedure to request a BA USA ID and Password for use on the Registry:

1. Prepare a BA USA Authorization Letter (see [Attachment 7](#)) on Corporate letterhead, if available, signed by an authorized person, identifying the BA's User Security Administrator (BA USA)

Note: Client Registry must receive the BA USA Authorization Letter within 7 days of the BA User Security Administrator Information change(s) being submitted either on the Registry or in writing. If the BA USA Authorization Letter is not received within 7 days, the BA USA Request will be rejected.

Please send BA USA Authorization Letter to:

Alberta Department of Energy
Client Registry
9945 108 Street, 3rd Floor
Edmonton, Alberta
T5K 2G6
Fax: 780-422-9522

2. If you are applying for a 4-character EUB Operator Code, ensure that the BA User Security administrator and, if applicable, the Back-up BA User Security Administrator information are included in your Registry or written BA ID request (see [Attachment 10](#) for BA ID Request Letter).
3. If you already have a 4-character EUB Operator Code and you are applying for a BA USA ID and password, please send BA USA Information letter (see [Attachment 8](#) for BA USA Information letter) to Client Registry.

Please send BA USA Information Letter to:

Alberta Department of Energy
Client Registry
9945 108 Street, 3rd Floor
Edmonton, Alberta
T5K 2G6
Fax: 780-422-9522

To obtain more information about requesting access to the Registry and obtaining a BA USA ID and password, please contact the Client Registry group at (780) 422-1395

Changes to Existing BA USA information Post Registry Implementation

Use the following procedure in the event that you are required to change the BA USA information that already exists in the Registry.

1. Via the Registry, complete the BA User Security Administrator Information section of the Request a Business Associate Change page.
2. Prepare and send a BA USA authorization letter (see [Attachment 7](#) for sample) on Corporate letterhead, if available, signed by an authorized person, identifying the BA's User Security Administrator (BA USA). See

Note: Client Registry must receive the BA USA Authorization Letter within 7 days of the BA User Security Administrator Information changes being submitted on the Registry or the Registry Request will be rejected.

Please send BA USA Authorization Letter to:

Alberta Department of Energy
Client Registry
9945 108 Street, 3rd Floor
Edmonton, Alberta
T5K 2G6
Fax: 780-422-9522

To obtain more information about changing BA USA information, please contact the Client Registry group at (780) 422-1395

Royalty Triggers, Raw Gas Allocation, Royalty Calculation, Volumetric/SAF/OAF, Ensure Complete and Provisional Assessment

Department (DOE) Royalty Triggers from Registry Volumetric, SAF and OAF Submissions

Effective with the implementation of the Registry (production period October 2002), volumetric activities are no longer reported on the Owner Activity Statements (OAS). Instead, the volumetric, stream, and owner allocations must be reported in the Volumetric, Stream Allocation Factor (SAF) and Owner Allocation Factor (OAF) submissions in the Registry. Refer to June 2002 Supplemental Information Bulletin and Registry Training Modules for information on Volumetric, SAF, and OAF reporting in the Registry.

Various activities in the Registry volumetric submissions will trigger royalty, just as various activities on the OAS trigger royalty. Where an activity in the Registry volumetric submission is a royalty trigger, matching SAF and OAF submissions are required to define the stream and owner allocation information for royalty calculation. (Some exceptions apply – see DOE Volumetric Royalty Trigger Summary Table for the royalty trigger activities where SAF/OAF submissions are optional.) The following table outlines the rules for matching Volumetric, SAF and OAF information.

Matching Criteria for Volumetric, SAF and OAF:

	Original or Cascading SAF (required for royalty trigger volumetric activities)	Responding SAF (required when there is a cascading SAF)	OAF (required when stream allocation on SAF is at well, unit, injection scheme or well group level)
Reporting Facility	Matches reporting facility on Volumetric (match is not required if SAF cascade facility is reported)	Matches stream on cascading SAF	Matches reporting facility on SAF
Cascade Facility	Matches reporting facility on Volumetric (only if SAF cascade facility reported)	Matches reporting facility on cascading SAF	Matches cascade facility on SAF
Production Period	Matches Volumetric production period	Matches production period on cascading SAF	Matches production period on SAF
Product	Matches Volumetric product (product ALL on SAF is considered a match to any Volumetric product)	Matches product on cascading SAF (product ALL on responding SAF is considered a match to any product on the original SAF)	Matches product on SAF (product ALL on OAF is considered a match to any product on SAF)
Activity	Matches Volumetric activity	Matches activity on cascading SAF	Matches activity on SAF
Received From/Delivered To Facility	Matches Volumetric from/to facility (from/to facility ALL on	Matches from/to facility on cascading SAF (from/to facility ALL on	Matches from/to facility on SAF (from/to facility ALL on

	SAF is considered a match to any Volumetric from/to facility)	responding SAF is considered a match to any product on the original SAF)	OAF is considered a match to any product on SAF)
Stream Allocation	<u>Original SAF</u> Wells, units, injection schemes or well groups <u>Cascading SAF</u> Batteries, gathering systems or gas plants	Wells, units, injection schemes or well groups	Matches stream on SAF

OAS vs. Volumetric Royalty Triggers

The royalty trigger points for royalty calculation have not changed but the volumetric records that are used to represent these trigger points have. Instead of volumetric activities on the OAS, the Crown will look to volumetric activities in the Registry volumetric submission for royalty triggers. Here is how the Volumetric Royalty Trigger Types corresponds to the OAS Royalty Trigger Types (refer to Appendix B Sept 2001 Alberta Natural Gas Royalty Guidelines):

OAS Royalty Trigger Types	Volumetric Royalty Trigger Types
Royalty Trigger #1 Facility By-Product Processing (excluding Straddle Plants)	By-Products Processing
Royalty Trigger #2 Facility Disposition of Unsold Gas	Dispositions Out of Network <i>Or</i> Royalty Liabile Lease Fuel
Royalty Trigger #3 Field Straddle Plant Gas Processing	Dispositions Out of Network
Royalty Trigger #4 Facility Gas Disposition to Field Straddle Plant	Dispositions Out of Network
Royalty Trigger #5 Facility Injection Credits	Injection Credit
Royalty Trigger #6 Facility Eligible Consumption	Dispositions Out of Network with Return Fuel

The DOE Volumetric Royalty Triggers Schematic (see [Attachment 11](#)) illustrates where royalty is triggered for each royalty trigger type. The DOE Volumetric Royalty Trigger Summary Table defines the records in the Registry volumetric submissions that are royalty triggers.

Department (DOE) – Volumetric Royalty Trigger Summary Table

Royalty Trigger Type	Registry Volumetric Reporting Facility	Registry Volumetric Activity	Registry Volumetric From/To Location	Product	SAF and OAF required?	Royalty Trigger Location	Royalty Trigger Action
Dispositions out of royalty network	IN-NET	DISP	OUT-NET	Gas	Yes	Reporting Facility	Crown Royalty charge
Dispositions out of royalty network with return fuel	IN-NET (facility is the associated return fuel/gas lift facility of the BT or GS that is receiving gas from an MS)	DISP	OUT-NET	Gas	Yes	Reporting Facility	Crown Royalty charge

Royalty Trigger Type	Registry Volumetric Reporting Facility	Registry Volumetric Activity	Registry Volumetric From/To Location	Product	SAF and OAF required?	Royalty Trigger Location	Royalty Trigger Action
	AB-BT or GS with an associated return fuel/gas lift facility	REC	AB-MS	Gas	Yes	Associated Return Fuel/Gas Lift Facility	<p>Crown Royalty reduction at associated return fuel/gas lift facility.</p> <p>If no associated return fuel facility is indicated, reduction will be at the associated gas lift facility.</p> <p>No reduction given if there is no crown royalty charge at the associated facility.</p> <p>No reduction given if there is no FUEL activity at the reporting facility.</p>
	AB-BT or GS with an associated return fuel/gas lift facility	FUEL	N/A	Gas	Optional	Associated Return Fuel/Gas Lift Facility	Validates the return fuel reduction at the associated return fuel/gas lift facility.
By-Products Processing	AB-GS or GP	PROC	N/A	Any	Yes	Reporting Facility	Crown Royalty charge
Royalty Liable Lease Fuel	AB-BT, GS or GP	PURDISP	AB-BT or GS	Gas	Yes	Reporting Facility	Crown Royalty charge
Injection Credit	AB-IF	REC	Any	Any	Yes	Reporting Facility	<p>Injection Credit</p> <p>No injection credit is given if there is no INJ activity at the reporting facility.</p>

Royalty Trigger Type	Registry Volumetric Reporting Facility	Registry Volumetric Activity	Registry Volumetric From/To Location	Product	SAF and OAF required?	Royalty Trigger Location	Royalty Trigger Action
	AB-IF	DISP	Any	Any	Optional	Reporting Facility	Injection Credit reduction. <i>Injection credit is net of deliveries from the injection facility.</i>
	AB-IF	INJ	N/A	Any	Optional	Reporting Facility	Validates the injection credit at the injection facility.

AB	Alberta	INJ	Injection	PROC	Process
BT	Battery	IN-NET	AB-BT, GS, GP, and Field Straddle Plants processing <i>native</i> gas,	PURDISP	Purchased Disposition
DISP	Disposition	MS	Meter Station	REC	Receipt
GP	Gas Plant	OUT-NET	AB-Injection facilities, AB-Meter Stations/Pipelines, AB-Mainline Straddle Plants, AB-Field Straddle Plants processing <i>non-native</i> gas, AB-Commercial, Residential, Electrical Generation facilities, and Non AB facilities		
GS	Gas Gathering System				
IF	Injection Facility				

Royalty Trigger Sub Types

The royalty trigger types are further divided where there are in-network gas sales involved as different crown royalty rules apply. In-network gas sales are reported on Raw Gas Allocation (RGA) submissions. See RGA Reporting below for further information on RGA submissions. For clients who are receiving their Crown Royalty Details in User Defined Files (UDF) format, the royalty trigger descriptions in the UDF are indicated by royalty trigger sub types.

Royalty Trigger Type	Royalty Trigger Sub Type	Trigger Code
Dispositions to Out of Network	Disposition Out-of-Network	DISP
	Raw Gas Disposition (no processing)	RGAD
	Raw Gas Disposition with Processing only	RGADP
	Raw Gas Delivered to Injection	RGAIF
By-Products Processing	By-Product Processing	PROC
	Raw Gas Processing	RGAP
Royalty Liable Lease Fuel	Royalty Liable Lease Fuel	PURDSP
	Raw Gas Lease Fuel	RGAPUR
Injection Credit	Injection Credit	INJECT
	Injection Disposition	INJDSP
Disposition to Out of Network with Return Fuel	Disposition with Return Fuel	DISPRF
	Raw Gas Disposition with Return Fuel (no Processing)	RGADR
	Raw Gas Disposition with Processing & Return Fuel	RGDPR

Raw Gas Allocation (RGA) Reporting

The RGA is a new Registry submission requirement for in-network gas sales reporting. Sellers of gas within the royalty network (batteries, gathering systems, gas plants) must submit the RGA information to the Registry. For more details on the RGA submission, refer to the Registry Training Module on RGA.

Royalty clients with in-network gas sales must identify the following information on the RGA:

- Reporting Facility (should match reporting facility on OAF)
- Stream
- Sales Location
- Delivery Facility (should match from/to facility on OAF)
- Purchaser Allocation Factors
- In-stream Component Factors

If an RGA submission matches to a royalty trigger OAF submission based on the following matching criteria, there is an occurrence of an in-network gas sale and the RGA information will be applied to the royalty calculation of the seller and the corporate effective royalty rate (CERR) calculation of the purchaser.

Matching Criteria for RGA/OAF

RGA	OAF (with royalty trigger activity)
Reporting Facility =	Reporting Facility
Seller =	Owner
Stream Id =	Stream Id
Delivery Facility =	From/To Facility
Production Period =	Production Period

In-network gas sales impact the gas seller and the gas purchaser. For the gas seller, royalty is triggered at the sales location and if the in-network sale is further determined as a raw gas sale subsequently processed or a raw gas sale subsequently processed and used for lease fuel, the sale will be subject to different Crown royalty rules. These occurrences are explained in *Raw Gas Sale* below. For the gas purchaser, the purchased volumes will be added to the purchaser’s corporate volumes in the CERR calculation.

Raw Gas Sale

Raw gas sale is a sub set of the in-network gas sale. Raw gas sales that are subsequently processed or subsequently processed and used for royalty liable lease fuel are subject to different Crown royalty rules, under the 80% Raw Gas Valuation process and the NGL Royalty Framework Change. Crown royalty for raw gas sales subsequently processed is assessed at the raw gas average royalty rate (RARR%) and 80% of the gas reference price (GRP). Crown royalty for raw gas sales used as lease fuel is assessed at RARR% and 100%GRP. All other in-network gas sales are assessed at the facility average royalty rate (FARR%) and facility average price (FAP) as per the NGL Royalty Framework Change. (Refer to [June 2002 Supplemental Information Bulletin](#) for details on the NGL change.)

The following determination criteria are used to identify raw gas sales:

Raw Gas Sale Subsequently Processed Determination

- OAF stream/owner allocation has a matching RGA, where RGA Sales Location is a BT or GS, RGA reporting facility or RGA delivery location is a GP, or
- OAF stream/owner allocation has a matching RGA, where RGA Sales Location is a BT or GS and the cascade facility on the corresponding OAF is a GP

This type of raw gas sale is assessed at RARR% and 80% GRP. Any by-products (ethane, propane, butanes, pentanes plus) subsequently processed are converted to *gas energy equivalents* and assessed using RARR% and 80% GRP.

Conversion of processed products (by-products) to raw gas energy equivalents

Product	Gas Equivalent Factor	GJ Conversion Factor
Ethane	.28132	66.065
Propane	.27201	93.936
Butanes	.23331	121.406
Pentanes Plus	.2057	149.363
Sulphur	.7375	23.784

Raw Gas Sale Subsequently Processed and Used For Lease Fuel Determination

1. RGA has Sales Location of BT or GS and a match with a royalty trigger OAF where the activity on the OAF is PURDISP, Reporting Facility is BT, GS or GP and From/To Location is BT or GS

This type of raw gas sale is assessed at RARR% and 100% GRP.

Royalty Calculation using Volumetric, SAF, and OAF

Royalty trigger volumetric activities in the Registry must have corresponding SAF and OAF submissions in order for the Crown to calculate royalties. If corresponding SAF and OAF submissions are not reported, the volumetric detail will be subject to provisional assessment. See *Ensure Complete Report and Provisional Assessment Charges* in the following section for further information.

The Crown Royalty Detail Calculation and Crown Royalty Detail Volumetric reports have been revised to include the Volumetric, SAF and OAF details for post Registry implementation periods. See [Attachment 12](#) and [13](#) for sample Crown Royalty Detail reports.

The Gas royalty rate and valuation price on the Crown Royalty Detail Calculation report can vary for post Registry implementation periods, as a consequence of the NGL Royalty Framework Changes. However, there are supplemental reports that royalty clients can use to reference the rate and price used. The following table outlines the potential royalty variables that can be used to assess gas royalty and the supplemental details that are available. Please refer to the [July 2002 Gas Royalty Calculation Information Bulletin](#) on details of the supplemental reports.

	Royalty Variable Used	Supplemental Report	Origin
Royalty Rate for Gas	Facility Average Royalty Rate (FARR%)	FARR Supporting Details	Provided by Crown in invoice billing
	Raw Gas Average Royalty Rate (RARR%)	RARR Supporting Details	Provided by Crown in invoice billing
	C1-IC R%	Default Report	Provided by Crown in invoice billing
Valuation Price for Gas	Facility Average Price at Producing Facility (FAP@PF)	FAP Supporting Details	Provided by Crown in invoice billing

	Royalty Variable Used	Supplemental Report	Origin
	Facility Average Price at Reproducing Facility (FAP@RF)	FAP Supporting Details	Provided by Crown in invoice billing
	Facility Average Price at Injection Facility (FAP@IF)	FAP Supporting Details	Provided by Crown in invoice billing
	100% Gas Reference Price	Default Report	Provided by Crown in invoice billing
	80% Gas Reference Price	RGA (raw gas sale subsequently processed) submission	Submitted by raw gas seller

SAF/OAF Ensure Complete Process

Facility operators must calculate and submit the SAF/OAF for the products and activities that are royalty triggers in the Registry Volumetric submissions. If DOE does not receive corresponding SAF/OAF for these submissions, the volume on the Volumetric submission is subject to provisional assessment. In addition, if the stream ID or the owner ID reported on the SAF or OAF, respectively, is not valid for DOE’s gas and by-product royalty, the volume associated with that factor is subject to provisional royalty compensation. See *Provisional Royalty Compensation and Provisional Assessment Summary Report* section of this document for more information.

Registry SAF/OAF Ensure Complete Process Results Report

The SAF/OAF Ensure Complete process in the Registry provides notification to the facility operator when a SAF or OAF is required but has not been filed or has been filed with an invalid stream ID or owner ID. Facility operators can obtain a ‘status’ of their SAF and OAF filings through the Registry SAF/OAF Ensure Complete process on a request basis. The process also runs automatically based on dates in the Registry Reporting Calendar. Results are provided on the SAF/OAF Ensure Complete Process Results report. The report is sent to facility operators and will provide the following reporting errors, along with available Volumetric, SAF and OAF details so operators can respond to them before provisional assessment charges are levied:

Registry SAF/OAF Ensure Complete Error	Error Explanation
Missing SAF	No SAF filed for DOE required volumetric activity
Missing SAF (Cascaded)	No SAF filed for cascaded allocation
Missing OAF	No OAF filed for DOE required volumetric activity
Invalid Owner Id	Invalid Owner on OAF
Invalid Stream Id	Invalid Stream on SAF/OAF
No SAF detail row	SAF details are not available
No OAF detail row	OAF details are not available

Refer to *Registry Training Modules* for more information on the SAF/OAF Ensure Complete process performed by the Registry.

DOE Ensure Complete Process Results Report

DOE will perform the SAF/OAF Ensure Complete process two days prior to the DOE deadline for allocation submissions. Results are provided on the DOE Ensure Complete Process Results report. The DOE version is slightly different from the one created by the Registry SAF/OAF Ensure Complete process. The DOE version only reports errors that would result in provisional assessment charges, whereas the Registry version reports all error situations where SAF and OAF are expected to be filed. In addition, the report includes errors that would be levied against Common Stream Operators (CSO) at the meter station level. The DOE SAF/OAF Ensure

Complete Process Results report is sent to facility and common stream operators and will provide the following reporting errors so operators can respond to them before provisional assessment charges are levied:

DOE Ensure Complete Error	Error Explanation
Missing SAF	No SAF filed for DOE required volumetric activity
Missing SAF (Cascaded)	No SAF filed for cascaded allocation of a DOE required volumetric activity
Missing OAF	No OAF filed for DOE required volumetric activity
Invalid Owner Id	Invalid Owner on OAF for DOE required volumetric activity
Invalid Stream Id	Invalid Stream on SAF/OAF for DOE required volumetric activity
No SAF detail row	SAF details are not available for DOE required volumetric activity
No OAF detail row	OAF details are not available for DOE required volumetric activity
No SAF detail row for a cascade	SAF details for a cascaded allocation are not available for DOE required volumetric activity
Metering Difference	Volumetric difference reported by common stream operator at meter station
Unallocated CSO Volume	Unallocated volumes by common stream operator at meter station

See [Attachment 14](#) for sample DOE SAF/OAF Ensure Complete Process Results Report.

Provisional Royalty Compensation and Provisional Assessment Summary Report

The provisional royalty compensation (provisional assessment) for post Registry implementation production periods is triggered from reporting discrepancies in the SAF and OAF submissions rather than the S and OAS submissions for pre Registry implementation production periods.

If operators fail to correct the reporting errors that are identified on the DOE Ensure Complete report by the DOE allocation submission deadline, the volumes in error are then subject to provisional royalty compensation. The royalty rate and valuation price for provisional royalty compensation have not changed. Refer to *Chapter III, Section 8.1* of the *Natural Gas Royalty Principles & Procedures Sept 1, 2001* for how provisional royalty compensation is calculated.

Provisional Assessment Summary Report

The *Summary of Outstanding OAS Volumetric Discrepancies* report that royalty clients currently receive with the Gas Royalty Invoice as supporting details for their provisional assessment charges is replaced by the *Provisional Assessment Summary* report ([Attachment 15](#)) for provisional assessment charges that are related to post Registry implementation production periods. This report displays similar details as the *DOE Ensure Complete Process Results* report, with the exception of also displaying the associated provisional assessment charges.

Royalty clients who correct their SAF/OAF reporting errors will have any provisional assessment charges and related prior period interest charges reversed. Royalty clients who correct their SAF/OAF reporting errors prior to the next billing cycle will also have any related current period interests waived. These processes remain unchanged from pre Registry implementation production periods.

Confirmation of Stream Id Formats for Petroleum Registry Reporting

For production periods October 2002 and beyond, royalty clients submitting Stream Allocation Factors (SAF) or Owner Allocation Factors (OAF) are reminded of the valid stream formats required for Department of Energy reporting:

Well Events

Alberta well events must be reported as “AB WI” and then the 16-digit Unique Well Identifier assigned to that well. For example: AB WI 100203601305W400. Wells not reported as “AB WI” following with the 16-digit Unique Well Identifier will be rejected.

Well Groups

For production periods October 2002 and beyond, well group reporting in the Registry is only applicable for ‘non-consolidated’ well groups (projects, blocks, non-unit gas, non-unit oil, non-unit spacing, joint operating agreements). For production periods prior to October 2002, these entities are reported on the Owner Activity Statement (OAS) with a letter ‘A’ preceding the well group number – e.g. AB WG A12345.

For Registry reporting, the ‘A’ must be removed such that the reporting would look like: AB WG 12345. A complete listing of non-consolidated well groups will be supplied in the November 2002 Information Bulletin.

Consolidated well groups are no longer valid for production periods October 2002 and beyond. Please refer to Consolidated Well Group Terminations in the Reminders section of this Bulletin.

Injection Schemes

Reporting to the injection scheme level must include the Province/Type/5-digit unique injection scheme ID. For example: AB IS 12345

Units

Reporting to the unit level must include the Province/Type/5-digit unique unit ID. For example: AB UN 12345.

Facilities

Assigning volumes to a valid upstream Alberta facility ID on a Stream Allocation Factor is the means to accomplish the ‘cascade’ activity currently used on the OAS. The facility length should be in the new, 7-digit format. For example, allocating a percentage of volumes to AB GP 0001234 is in effect cascading the volumes to this facility.

Out-of-Province Stream Reporting

Out-of-province reporting applies to any situation in which the Province/State code is **not** AB (Alberta). For British Columbia and Saskatchewan streams, the Registry will validate the entire stream (Province, Type and Code – e.g. BC PL 5555) and provide a warning only if the reported stream does not match to Registry records. No errors will result, only warning messages. All other out-of-province streams are to be reported at the Province/State level **only**. For example, a stream of a Washington gas plant would only be reported as WA in the Registry, and nothing further.

The DOE will accept all out-of-province streams as reported in the Registry, and will perform no further validations.

Non-Operator Requirements to Access the Petroleum Registry

Non-operators are reminded that use of the Petroleum Registry is optional, **except** in the following circumstances:

1. The non-operator is currently accessing the DOE's Electronic Transfer System (ETS).
2. The non-operator is currently receiving the DOE invoice in the User Defined Format (UDF).
3. The non-operator is involved in a consolidation (either as consolidator or consolidatee) with other Operators.
4. The non-operator has voluntarily elected to use the Registry.

Should any of the situations above apply to a non-operator, that client **must** access the Registry to submit/retrieve applicable royalty related information. The DOE will not issue additional paper copies.

C. MONTHLY INFORMATION

August 2002 Royalty Due December 2

- **Royalty clients are to remit the total amount payable shown on the November 2002 Statement of Account by December 2, 2002.** If the amount payable includes accrued current period interest, the interest has only been accrued to the statement issue date. Clients must also include the additional interest that has accrued from the statement issue date to the date of payment, using the per diem amount provided.
- **The November 2002 Statement of Account shows your amount payable as of the Statement issue date. It includes any outstanding balances from your previous statement, your August 2002 Invoice amount and any applicable current period interest charges. It also identifies refunds resulting from overpayments.**
- Current period interest will not be charged on current invoice charges for the production month of August 2002 if it is paid in full by December 2, 2002.
- Current period interest will accrue on any overdue charges commencing the first day after the due-date until it is paid in full.

Note: If the due date falls on a non-business day, payments will be accepted on the next business day.

- Cheques are payable to the Minister of Finance, Province of Alberta.

September 2002 OAS and VA4 Due November 15

The OAS and VA4 documents for the production month of September 2002 are due in the Department offices by November 15, 2002.

NOTE:

- If the due date (15th) falls on a non-business day, the next business day will apply as the due date for OAS and VA4 documents.

- The OAS due date specified by the Department is the date by which the required OAS data must be received in the Department.
- Keying services require sufficient time to process and transmit the data by the Department’s due date. Contact your keying agent for the respective cut-off dates.
- For EDI clients, the receipt date is when Value-Added Network (i.e. GE) receives the transmission.
- The importance of timely receipt of OAS data by your service provider and the Department is critical to ensure accurate royalty calculation and prevention of provisional assessment.

Interest Rate October 2002

The Department of Energy’s interest rate for October 2002 is 5.50%.

July Provisional Assessment Charge

The net Provisional Assessment Charge for the July 2002 billing period was (\$15,890,875.22). This includes \$31,502,999.27 in first time provisional assessments and (\$47,393,874.49) in reversals of provisional assessments for all production periods.

July Penalty Charges

The following are the Penalty Charges by form type for the July 2002 billing period:

FORM	Penalties Charged
AC2	\$17,400
AC4	\$3,000
AC5	\$26,500
GR2	\$0
NGL1	\$0
VA2	\$0
VA3	\$0
VA4	\$0
Total Charged	\$46,900
Total Reversed	(\$13,100)
Net Penalties Charged for 2002/07	\$33,800

Alberta Royalty Tax Credit Program Quarterly Rate

For the fourth quarter of 2002, the Alberta Royalty Tax Credit rate will be .2500. This rate is based on a royalty tax credit reference price of \$270.88 per cubic metre. The Alberta Royalty Tax Credit rates for the past year were:

Third Quarter, 2002	.2500
Second Quarter, 2002	.2500
First Quarter, 2002	.2500
Fourth Quarter, 2001	.2500

If you have any questions, please contact Kent Nelson of Tax Services at (780) 427-9425, ext 250.

D. INFRASTRUCTURE DATA CHANGES

Client ID Listing

The Client ID listing can be found on the Internet at the following address:

www.energy.gov.ab.ca

The listing, which is updated monthly, includes Clients, which are active, struck, and terminated since January 1997. If you require information before January 1997 regarding the status of a Client ID, please call the Gas Royalty Calculation Helpdesk at (780) 427-2962. The Department would like to remind those browsing the site to note the effective and termination dates of the Client IDs.

Projects/Blocks

Projects/Blocks information will be updated in the November 2002 Information Bulletin. If further information is required on any other projects, please contact Isabelle Warwa at (780) 422-8966.

Struck Clients

Clients must ensure that the OAS and all other royalty documents are completed using only valid client names and IDs. It is critical that royalty clients use current legal client names and their appropriate IDs on all documents to ensure accurate royalty calculation and to prevent provisional assessment and penalties. Rejects will occur when invalid IDs are used.

If you require information regarding client names or IDs, please contact Client Registry at (780) 422-1395.

The following is a list of struck, dissolved and revived clients:

Company Name	Client ID	Struck Date
Auburn Oil & Gas Limited	0AY6	October 2, 2002
CE3 Technologies Inc.	0ZM9	October 2, 2002
Golden Trend Petroleum Ltd.	0TP9	October 2, 2002
KLJ Energy Ltd.	0A3B	October 2, 2002
Matrix Applied Petroleum Services Ltd.	0YK5	October 2, 2002
Maxwell Oil & Gas Ltd.	0RN7	October 2, 2002
Pentagon Engineering Inc.	0ZZ7	October 2, 2002
Company Name	Client ID	Dissolved Date
Applied Terravision Systems Inc.	0N2L	September 27, 2002
Cormorant Resources Ltd.	0F0G	September 20, 2002
New Dawn (1993) Ltd.	0K4P	October 8, 2002
Pace Systems Inc.	0K8A	September 27, 2002
Company Name	Client ID	Revived Date
Revillon Resources Ltd.	0DJ8	October 1, 2002

Operator Changes

EUB Facility Operator changes are listed in [Attachment 4](#).

New EUB Plants

New EUB plants and corresponding plant types and transportation regions are listed in [Attachment 5](#).

Nova Tolls - Multiple Gas Reference Prices

Royalty information related to the implementation of the Factor Model negotiated with industry for determining Multiple Gas Valuation Prices is provided in [Attachment 6](#) and on the Department Internet site at:

www.energy.gov.ab.ca

E. REMINDERS

Extension of Petroleum Registry Implementation

As announced in the Petroleum Registry of Alberta news release (available at http://www.petroleumregistry.gov.ab.ca/pdf_word/NEWS_RELEASE_9_21.doc) the implementation of the Petroleum Registry of Alberta (the Registry) has been extended to October 31, 2002. The major impacts to Department of Energy reporting follows below:

For Oil and Natural Gas Reporting

First Reporting Month

Submissions related to Natural Gas, Oil and APMC reporting will now be made commencing with the October 2002 production month. Reporting for the production month of September 2002 shall be made using existing submission methods.

Data Retrieval

For the client package reports that are produced monthly, the following table outlines the first month the data will be available in the Registry:

Report Name	First Month Available in the Registry (For October 2002 Production Month)
Crude Oil Crown Royalty Statements	November, 2002
APMC Reconciliation Statements	November, 2002
Natural Gas Crown Invoice, Including Crown Royalty Details	December, 2002

For reports that are generated on a daily basis by the Department, the earliest that report could be available in the Registry is November 1, 2002.

Revised Natural Gas Royalty Principles and Procedures

The June Supplemental Information Bulletin stated that the revised Alberta Natural Gas Royalty Principles and Procedures would be available by October 2002. Unfortunately, due to a redistribution of resources in order to ensure a quality Registry product is released on October 31, 2002, this publication will not be available until April 2003. Further updates will be provided in future issues of the Bulletin. Industry clients are reminded of the extensive information that is provided on the Registry web-site in dealing with changes brought on by the Registry (<http://www.petroleumregistry.gov.ab.ca/>).

The revised Petroleum Royalty Guidelines will be available by December 2002.

Natural Gas Impacts

NGL Reporting

As announced in the Department of Energy news release (available at www.energy.gov.ab.ca)

the implementation of the Natural Gas Liquids (NGL) royalty policy has also been moved to the October 31, 2002 date. The supplemental royalty reports depicting the details of the Facility Average Royalty Rate (FARR) and Facility Average Price (FAP) will be attached to the October 2002 Billing Month Invoice, which will be available in December 2002. Reporting of In-Stream Components (ISCs) will commence within the October 2002 production month.

Use of Owner Activity Statements (OAS) for September 2002 Production Month

Data submission methods for September 2002 production month will continue as usual. This means that the OAS must be filed for September 2002 production month, and use of the new Stream Allocation Factors (SAF) and Owner Allocation Factors (OAF) and Registry Volumetric submissions will commence with October 2002 production month reporting.

Consolidated Well Group Terminations (RMF1)

Active Consolidated Well Groups (previously set-up via the RMF1 form) will now be automatically terminated effective with the October 2002 production month. Royalty clients are still able to use their consolidated well groups on OAS reports for September 2002 production month and prior.

Changes to Data Submissions

The Department's Internet site has a copy of Appendix B (<http://www.energy.gov.ab.ca>) of the June 2002 Supplemental Information Bulletin with two changes:

- Reference to September 2002 has been changed to October 2002 (thus, existing methods of submitting DOE forms for the September 2002 production month are still available).
- Removal of the fifth column entitled "BA Non-Op Length Prod Periods < Sept 2002; Prior to Aug 1, 2002." This column is no longer relevant since we have now passed August 1, 2002. The only two pertinent options for Business Associate Non-Operator length is whether or not the production month in question relates to prior October 2002 or October 2002 and beyond.

Contacts

For additional information regarding the above, please contact:

Topic Area	Contact	Phone	E-Mail
Petroleum Registry of Alberta	Petroleum Registry Service Desk	Calgary: (403) 297-6111 Other areas: 1-800-992-1144	Petroleumregistry.energy@gov.ab.ca
Oil Royalty	Karen Langpap	(780) 422-9047	Karen.Langpap@gov.ab.ca
Gas Royalty	Gas Royalty Helpdesk	(780) 427-2962	
Gas Royalty – Natural Gas Liquids Royalty Framework (NGL)	Rose Ann Summers	(780) 422-6684	RoseAnn.Summers@gov.ab.ca
APMC Reporting	Marg Leet	(403) 297-5475	Marg.Lleet@gov.ab.ca

Non-operating Royalty Payers

(Companies and individuals that are not operators of facilities, but do currently receive information from industry partners, or invoices, statements and other correspondence from the Department of Energy are being referred to as “Non-operating Royalty Payers” by the Petroleum Registry of Alberta)

Registry Readiness and Implementation Guide

The extension to the Registry’s implementation date is good news for non-operating royalty payers, as it gives them more time to get ready for this new way of doing business. To assist in this preparation, the Registry Readiness and Implementation Guide has been developed. The Guide identifies “5 Steps towards Registry Readiness for ALL Registry Users”. These steps are:

1. Learn more about the Registry
2. Ensure you have access to the Internet and a computer that meets the Registry’s minimum technical requirements
3. Confirm your 4-character Business Associate (BA) Identifier
4. Set up your BA User Security Administrator (USA)
5. Review and follow the segment specific instructions that apply to your company

Details on each of the 5 Steps is provided in the Guide. Step 5 provides instructions specifically targeted to eight Industry “segments”, including instructions for Non-operating Royalty Payers. The Guide is posted on the Registry website (www.petroleumregistry.gov.ab.ca), or can be obtained in hard copy by calling the Registry Service Desk (403-297-6111; or toll free, 1-800-992-1144).

Non-operating Royalty Payers should pay particular notice to Step 3, identifying their new 4-character Business Associate ID (this replaces the current 7-digit Royalty Client Code). Registry design has prompted the Ministry of Energy to create a standard 4-character reporting code for all companies and individuals. To find this new ID, check out the complete 7-digit to 4-character cross-reference table that is posted on the Registry website.

Another critical “to do” is Step 4: setting up a BA User Security Administrator. This step is a “must” for any BA wishing to access the Registry. Instructions on how to secure a USA ID and password can be found in the [July 2002 Gas Royalty Calculation Information Bulletin](#) or on the Registry web site version of the Readiness and Implementation Guide.

Registry Functionality for Non-operating Royalty Payers

Although use of the Registry is not legislated for non-operator royalty payers, this new system offers a number of benefits to this group:

- Faster access to Crown invoices and statements.
- Direct access to volume, infrastructure and royalty related information that is shared by the DOE, EUB and other stakeholders, as applicable.
- Reduction of paper forms and reports.

Note: Users need a browser of 5.0 or higher in order to access the free Registry training modules that explain how stakeholders can use the Registry.

Partner Reporting and Non-op Royalty Payers

A key non-regulated, industry-to-industry component of the Registry is the ability to conduct partner reporting “on-line”. Many operators will look to their non-operating partners to retrieve their partner reports on-line through the Registry. This will be phased in over time, but some operators will implement portions of this new way of doing business on Registry start-up. More will be communicated on this from the CAPP/SEPAC Industry Benefits Committee in the near future, but you may want to discuss this matter with your operating partner as well.

Remember: Use of the Registry by non-operating royalty payers is optional for DOE and EUB invoice and statement retrieval. Your invoices and statements will automatically be securely stored on the Registry, **and** you will continue to receive paper copies as well. However, you may elect to discontinue receiving the paper copies and use the Registry exclusively. To learn more about this election, call the DOE Client Registry at (780) 422-1395.

Well Infrastructure Maintenance

The DOE and the EUB have been collaborating on identifying discrepancies between the Ministry’s registry information. Through this collaboration, we have discovered that several well identifiers are on the DOE system but are not on the EUB system. The EUB will be responsible for populating the well data to the new Petroleum Registry of Alberta (Registry) and the DOE will be accepting the Registry well information as the official source of record.

We have found DOE documents with invalid well IDs. At Registry implementation, DOE will retroactively revalidate all documents/submissions where these wells are found. If a stream ID that has been identified as invalid was previously submitted on an OAS/RMF2 document, it will be rejected and notification will be issued.

Where there is a royalty impact, the Department is making every effort to contact all affected operators; however, as this information is received monthly the possibility of timing issues between when the DOE has access to the data and when the revalidation will occur could exist. If submissions are not corrected, this will result in a rejection of the invalid stream ID and potentially cause provisional assessment charges and/or recalculation of Crown royalties. To

prevent provisional assessment charges we are requesting that documents be amended and resubmitted using the normal submission process. For OAS submissions, amendments must be submitted to your service provider by their cut-off date for 2002/09 OAS submission deadline (DOE deadline November 15, 2002).

Access to Department of Energy Royalty Reports Before and After Implementation of the Petroleum Registry of Alberta

Implementation of the Petroleum Registry of Alberta will impact many of the reporting processes between the oil and gas industry and the DOE. The following outlines how clients currently access Oil and Gas Royalty reports and how they will access them after implementation of the Registry. There are three aspects in handling these reports:

- a delivery mechanism,
- a re-direction mechanism (sending one client's reports to another client)
- format options.

All of these mechanisms are affected by the implementation of the Registry.

Delivery Mechanisms

Prior to Registry:

- Electronic Transfer System (ETS) account (internet mailbox) - Applicable to Gas and Oil clients
- Tape/CDs (for UDF formats only) - Applicable to Gas clients only
- Mail - Applicable to Gas and Oil clients

After Registry:

- Registry internet mailbox - Applicable to Gas and Oil clients
- Mail (for Royalty Payers Only) – Applicable to Gas clients only

Re-direction Mechanisms

Prior to Registry:

- Within ETS, specification by the client of another client's ETS account as the recipient. - Applicable to Gas and Oil clients
- Within MRIS, specification of another recipient for Tape/CDs (for UDF formats only), or an alternative to the client's default address for mail - Applicable to Gas clients only

After Registry:

- Specification by the client of security access to their Registry internet mailbox by another client - Applicable to Gas and Oil clients

Electronic Formats

Prior to Registry:

- UDF (for a specific subset of reports) - Applicable to Gas clients only
- Text - Applicable to Gas and Oil clients
- PDF - Applicable to Gas and Oil clients

After Registry:

- UDF (for a specific subset of reports) - Applicable to Gas clients only
- Text - Applicable to Gas and Oil clients
- PDF - Applicable to Gas and Oil clients
- CSV (for a specific subset of reports) - Applicable to Gas clients only

To learn more about the “specific subset of reports” read Department of Energy Information Bulletin 02-06A at: www.energy.gov.ab.ca/com/Gas/Info+Bulletins/Bulletins/02-06A.htm

Client Options Regarding Delivery Mechanism

Prior to Registry:

- Clients can choose to receive their reports through the ETS delivery mechanism by obtaining an ETS account with that option from the DOE Client Registry. Within ETS, clients can select from a list of Gas Royalty report types which ones they want to receive through ETS.

Otherwise, by default, Oil clients receive mail. Gas clients will receive mail and Tape/CDs (for UDF formats only).

After Registry:

- Clients cannot choose ETS – the Registry is now the delivery mechanism. Clients cannot select which report types to receive through the Registry and have others delivered by Tape/CDs and mail.
- Gas clients who are ‘Royalty Payers Only’ also get their reports (all types) delivered by mail, unless they are receiving a UDF format. They can choose to not receive mail by requesting to the DOE Gas Royalty Calculation Unit that they receive reports only through the Registry.

Client Options Regarding Re-direction

Prior to Registry:

- Within ETS, clients can choose to redirect each selected report type to a different ETS account holder.

Gas clients receiving mail can request the DOE Gas Royalty Calculation Unit to specify a different Tape/CD recipient or mailing address for each report type. (Note: this does not apply to Oil clients)

After Registry:

- Within the Registry, clients can choose to allow access to their reports by other Registry users, but cannot selectively grant access by report type.

Gas clients who are ‘Non-operating Royalty Payers’ cannot choose a different mailing address for their report types – all reports will be mailed to their address as recorded on the Registry.

Client Options Regarding Electronic Format – This section pertains to Gas clients only

Prior to Registry:

- Clients can choose to receive the UDF format (for a specific subset of reports) through a request to the DOE Gas Royalty Calculation Unit. Once this choice is made, other formats are not provided.

Otherwise, by default, clients receive the other formats (text or PDF).

After Registry:

- The same as prior to the Registry, clients can choose to receive the UDF format (for a specific subset of reports) through a request to the DOE Gas Royalty Calculation Unit. Once this choice is made other formats are not provided. Those receiving UDF prior to the Registry will continue to receive them, without having to make a request to the DOE.

Otherwise, by default, clients receive the other formats. This is the same as prior to the Registry, except the other formats include CSV for a specific subset of reports.

For more information about Gas Reports, please contact the Gas Royalty Client Services Help Desk at (780) 427-2962.

For more information about Oil Reports, please contact Karen Langpap at (780) 422-9047.

Revised Registry ISC Reporting Table

The Department has updated the Registry ISC Reporting Table included in the July 2002 Gas Royalty Information Bulletin as part of the Alberta Natural Gas and Natural Gas Liquids Royalty (NGL) Framework Change. The updated table is included in [Attachment 16](#).

F. PRINCIPLES AND PROCEDURES

Updates

The Department updates the Alberta Natural Gas Royalty Principles and Procedures manual when there is a major change in relevant policy or legislation, and regularly to incorporate information published in Information Letters and Information Bulletins.

Please include any inserts provided in this section of the monthly Information Bulletin in your copy of the Principles and Procedures. There is no new information to incorporate for October 2002.

G. POINTS OF CONTACT

Department of Energy Hotline & Internet

Prices, Royalty Rates, and Transportation Information are available on the Department of Energy Internet address or hotline: (403) 297-5430. In addition, both the Gas Royalty Calculation Information Bulletin and Information Letter are also available on the Internet address: www.energy.gov.ab.ca

Note: The sulphur price can be accessed by calling the Department of Energy hotline at (403) 297-5430. Wait to hear the recorded list of options, then press #1 on your touch-tone phone for Natural Gas Information. Again, wait for the recorded list of options, then press #3 for Gas Royalty Rates.

Gas Royalty Calculation

Gas Royalty Calculation can be reached at:

Telephone: (780) 427-2962
Fax: (780) 427-3334 or (780) 422-8732
Alberta Toll Free: 310-0000 (Please do not dial “1” or “780”.)

Hours of operation are 8:15 a.m. to 4:30 p.m.
Voice messages left after 4:30 p.m. will be answered the next business day.

Calgary Information Centre

3rd Floor, 801 – 6th Avenue S.W.
Calgary, Alberta T2P 3W2
Telephone (403) 297-6324
Fax (403) 297-8954

Alberta Royalty Tax Credit Information

Alberta Tax and Revenue Administration
Tax Services
Telephone: (780) 427-3044
Alberta Toll Free: 310-0000
Fax: (780) 427-5074
For further information, please contact Angelina Leung at (780) 427-9425 ext 251.

David Breakwell
Director, Gas Royalty Calculation
Gas and Markets Development

Attachments

2002 PRICES

MONTH	GAS REF PRICE (\$ per GJ)	GAS PAR PRICE (\$ per GJ)	ETHANE REFERENCE PRICE (\$ per GJ)	ETHANE PAR PRICE (\$ per GJ)	PENTANES REF PRICE (\$ per m ³)	PENTANES PAR PRICE (\$ per m ³)	PROPANE REF PRICE (\$ per m ³)	PROPANE FLOOR PRICE (\$ per m ³)	BUTANE REF PRICE (\$ per m ³)	BUTANE FLOOR PRICE (\$ per m ³)	SULPHUR DEFAULT PRICE (\$ PER TONNE)
JAN	3.17	3.20	3.17	3.20	192.56	179.80	88.15	62.44	125.51	100.92	4.25
FEB	2.71	3.17	2.71	3.17	202.39	182.71	88.14	61.67	133.59	85.58	2.08
MAR	3.23	2.71	3.23	2.71	238.61	188.93	115.54	89.46	151.29	120.48	6.81
APR	3.91	3.23	3.91	3.23	266.20	228.29	127.52	119.33	165.92	142.78	4.43
MAY	3.91	3.91	3.91	3.91	267.65	255.79	125.63	109.72	161.03	132.84	6.94
JUN	3.54	3.91	3.54	3.91	251.58	257.71	105.48	96.77	149.66	130.06	8.67
JUL	3.17	3.54	3.17	3.54	261.36	239.43	113.79	98.29	153.30	133.87	4.44
AUG	2.93	3.17	2.93	3.17	280.83	250.65	133.16	121.60	180.55	152.82	10.97
SEPT											
OCT											
NOV											
DEC											

DETAIL OF THE AUGUST 2002 GAS REFERENCE PRICE	
Weighted Average Price of Alberta	\$3.338/GJ
Deductions: Intra – Alberta Transportation	\$0.284/GJ
Marketing Allowance	\$0.031/GJ
Price Before Pipeline Factor	\$3.023/GJ
Pipeline Fuel/Loss Factor	0.986
Price before Special Adjustment	\$2.981/GJ
Special Adjustment	\$0.000/GJ
Price before 2% amendment limitation or rounding	\$2.981/GJ
Amendments: Carry forward (from previous RP month)	\$0.025/GJ
Prior Period Amendment Adjustment (current RP month)	\$-0.087/GJ
Calculated RP after Amendments	\$2.920/GJ
AUGUST 2002 Reference Price	\$2.93/GJ
Difference = value carried forward to next RP month	\$0.010/GJ
Adjusted IATD (before Prior Period Amendments)	\$0.280/GJ
Prior period Amendments (IATD and Pipeline Fuel Loss)	\$0.000/GJ
Adjusted IATD (after Prior Period Amendments)	\$0.280/GJ

SELECT PRICE 2002		
New Gas (\$per GJ)	Old Gas (\$per GJ)	Pentanes (\$per m ³)
1.252	0.372	45.30
New Ethane (\$per GJ)	Old Ethane (\$per GJ)	
1.252	0.372	

Weighted Average Reference Price (\$/GJ)	5.111
------------------------------------------	-------

Weighted Average OMAC (\$/GJ)	0.021
-------------------------------	-------

ANNUAL SULPHUR DEFAULT PRICE				
1997	1998	1999	2000	2001
\$9.98	\$6.01	\$10.54	\$10.96	\$0.30

2002
TRANSPORTATION ALLOWANCE AND DEDUCTIONS

MONTH	PENTANES PLUS (a)				PROPANE AND BUTANE (b)				PENTANES PLUS, PROPANE & BUTANE (c)				FRAC. ALLOW. (per m3)
	REGION				REGION				REGION				
	1	2	3	4	1	2	3	4	1	2	3	4	
JAN	2.74	10.49	15.00	17.89	7.94	1.71	5.94*	6.39	9.99	15.92	15.26	7.81	8.75
FEB	10.24	12.31	15.91	19.03	9.42	4.64	7.92*	11.27	9.87	17.05	24.66	9.89	8.75
MAR	11.82	7.51	11.69	11.92	6.47	3.08	5.43*	7.48	13.28	16.64	27.47	16.61	8.75
APR	8.41	8.99	15.55	13.48	-0.40	-5.55	-2.00*	3.54	7.46	11.14	18.38	7.57	8.75
MAY	6.40	9.39	16.71	12.61	6.36	-1.34	3.93*	7.52	8.86	15.73	15.95	8.55	8.75
JUN	8.33	13.56	15.24	13.94	1.93	4.12	2.66*	6.28	7.76	12.24	18.61	5.92	8.75
JUL	11.43	8.50	11.05	12.59	8.78	3.07	6.99*	11.06	9.34	15.47	18.08	9.72	8.75
AUG	9.35	11.15	17.45	12.27	7.35	0.63	5.23*	9.71	9.42	15.64	20.27	11.57	8.75
SEPT													
OCT													
NOV													
DEC													

- (a) Pentanes Plus obtained as a specification gas product,
- (b) Propane and Butane obtained as specification products, and
- (c) Pentanes Plus, Propane and Butane contained in a natural gas liquids mix.

* Current month calculated allowance is based on an estimate.

Note: For details on “Prior Period Amendment Effects”, see Attachment 2A.

PRIOR PERIOD AMENDMENT EFFECTS												
NGL REFERENCE PRICES		AUGUST 2002										
	<i>Propane</i>	<i>Butane</i>	<i>Pentanes</i>									
Price before amendments	133.166837	180.547957	278.473086									
Opening Rollover (from prior business month)	-0.002561	-0.001908	-0.004491									
Prior Period Amendment Adj. (NGL-1)	0.000000	0.000000	0.000000									
Prior Period Amendment Adj. (NGL-100)	0.000000	0.000000	2.357793									
Published Reference Price	133.16	180.55	280.83									
TRANSPORTATION ALLOWANCES		AUGUST 2002										
	Pentanes Plus				Propane and Butane				Pentanes Plus, Propane & Butane			
AMENDMENTS	Region 1	Region 2	Region 3	Region 4	Region 1	Region 2	Region 3	Region 4	Region 1	Region 2	Region 3	Region 4
Opening Rollover (from prior business mth)	0.000720	-0.002892	-0.000488	0.002738	0.004738	0.000764	-0.002737	-0.001460	0.001603	0.003597	0.000414	0.000357
Prior Period Amendment Adj. (NGL1)	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Prior Period Amendment Adj. (NGL-100)	2.357793	2.360090	2.357793	-0.056411	0.000000	0.000000	0.000000	0.000000	0.606897	0.611393	0.676807	0.692682
Total Amendment Effect	2.358513	2.357198	2.357305	-0.053673	0.004738	0.000764	-0.002737	-0.001460	0.608500	0.614990	0.677221	0.693039
Calculated Transp. Differential	6.992606	8.797462	15.093682	12.323089	7.347299	0.634154	5.236009*	9.711197	8.813090	15.021037	19.593408	10.880748
Calculated Transp. Differential after Total Amendments	9.351119	11.154660	17.450987	12.269416	7.352037	0.634918	5.233272*	9.709737	9.421590	15.636027	20.270629	11.573787
Published Transportation Allowance	9.35	11.15	17.45	12.27	7.35	0.63	5.23*	9.71	9.42	15.64	20.27	11.57

* Any estimates represented by (*) are calculated as the weighted average of the other regions for the same spec product transportation allowance, since the region is zero. The weightings are based on the previous year's production.

**2002
ROYALTY RATES**

MONTH	GAS - OLD (GOL) (per GJ)	GAS – NEW (GNE) (per GJ)	ETHANE – OLD (per GJ)	ETHANE – NEW (per GJ)	PENTANES - OLD (POL) (per m ³)	PENTANES - NEW (PNE) (per m ³)
JAN	35.00000	30.00000	35.00000	30.00000	42.94549	31.72469
FEB	35.00000	30.00000	35.00000	30.00000	43.05785	31.77686
MAR	35.00000	28.45018	35.00000	28.45018	43.28640	31.88297
APR	35.00000	30.00000	35.00000	30.00000	44.44391	32.42039
MAY	35.00000	30.00000	35.00000	30.00000	45.04124	32.69772
JUN	35.00000	30.00000	35.00000	30.00000	45.07819	32.71487
JUL	35.00000	30.00000	35.00000	30.00000	44.70242	32.54041
AUG	35.00000	30.00000	35.00000	30.00000	44.93956	32.65051
SEPT						
OCT						
NOV						
DEC						

EUB FACILITY	FACILITY NAME	PREVIOUS OPERATOR NAME	PREVIOUS CLIENT ID	CURRENT OPERATOR NAME	CURRENT CLIENT ID	EFFECTIVE DATE
AB-GP-1035	NEXEN ACHESON (RESCINDED)	CHEVRON CANADA LIMITED	0045	NEXEN CANADA LTD	0JT3	1994-01
AB-GP-1040	NEXEN OKOTOKS	NEXEN INC	0226	NEXEN CANADA LTD	0JT3	2002-08
AB-GP-1112	PARAMOUNT STURGEON LAKE SOUTH	BURLINGTON RESOURCES CANADA LTD	0BL1	PARAMOUNT RESOURCES LTD	0AW4	2002-07
AB-GP-1126	ENERMARK HALKIRK EAST 16-28	CABRE EXPLORATION LTD	0BP7	ENERMARK INC	0P34	2001-01
AB-GP-1140	ALTAGAS SERVICES FERRYBANK	LAND PETROLEUM INTERNATIONAL INC	0MM6	ALTAGAS SERVICES INC	0TF9	2000-10
AB-GP-1170	NAL JOFFRE (DISMANTLED)	IMPERIAL OIL RESOURCES	0017	NAL RESOURCES LIMITED	0TM9	2002-10
AB-GP-1284	ACCLAIM PROVOST	SHUNDA ENERGY CORPORATION	0JP5	ACCLAIM ENERGY INC	0KX8	2002-10
AB-GP-1313	CONOCO STURGEON LAKE	PENNZOIL PETROLEUMS LTD	0327	CONOCO CANADA RESOURCES LIMITED	0FW6	2001-01
AB-GP-1389	CNRL LEAHURST	RANGER OIL LIMITED	0035	CANADIAN NATURAL RESOURCES LIMITED	0HE9	2002-09
AB-GP-1430	MARATHON BATTLE CK TWINING	1212480 ONTARIO LIMITED	0NH4	MARATHON CANADA LIMITED	0AL2	2002-09
AB-GP-1449	NORTHERN CROWN BAYRIDGE JOARCAM	APF ENERGY INC	0TJ3	NORTHERN CROWN RESOURCES LTD	0Z5X	2002-10
AB-GP-1455	THUNDER FENN-BIG VALLEY	MORGAN HYDROCARBONS INC	0DT9	THUNDER ENERGY INC	0E34	2002-10
AB-GP-1463	ENERPLUS POUCE COUPE S	CALPRO SERVICES LTD	0DX2	ENERPLUS RESOURCES CORPORATION	0JD4	2002-09
AB-GP-1473	CNRL PROVOST	BURLINGTON RESOURCES CANADA LTD	0BL1	CANADIAN NATURAL RESOURCES LIMITED	0HE9	2002-10
AB-GP-1618	TALISMAN BURDETT	RIGEL OIL & GAS LTD	0096	TALISMAN ENERGY INC	0039	1999-12
AB-GP-1687	VINTAGE WOOD RIVER	VINTAGE ENERGY (CANADA) LTD	0AZ9	VINTAGE PETROLEUM CANADA, INC	0TC5	2002-07
AB-GP-1698	HUSKY PROVOST	MIDCOAST CANADA OPERATING	0YF6	HUSKY OIL OPERATIONS LIMITED	0R46	2002-09
AB-GP-1702	GIBSON HARDISTY	HUDSON'S BAY OIL AND GAS	0038	GIBSON ENERGY LTD	0195	2002-01
AB-GP-1846	CONOCO ATLEE BUFFALO 9-13	CONOCO CANADA RESOURCES LIMITED	0FW6	CRESTAR ENERGY INC	0NL2	2002-07
AB-GP-1935	HUSKY WINDFALL	2809516 HUSKY LIMITED	0086	HUSKY OIL OPERATIONS LIMITED	0R46	2002-01
AB-GS-2201	CANADIAN 88 GARRINGTON OLDS	177293 CANADA LTD	0001	CANADIAN 88 ENERGY CORP	0KT5	2001-11
AB-GS-2217	ACANTHUS SEDALIA	177293 CANADA LTD	0001	ACANTHUS RESOURCES LTD	0FB4	1998-01
AB-GS-2256	BONAVISTA GARRINGTON	DEVON CANADA	0F3F	BONAVISTA PETROLEUM LTD	0MD6	2002-06
AB-GS-2266	NEXEN CROSSFIELD	NEXEN INC	0226	NEXEN CANADA LTD	0JT3	2002-08
AB-GS-2302	HUSKY BAXTER LK	2809516 HUSKY LIMITED	0086	HUSKY OIL OPERATIONS LIMITED	0R46	2002-01
AB-GS-2367	HUSKY OIL ELNORA	RENAISSANCE ENERGY LTD	0BN9	HUSKY OIL OPERATIONS LIMITED	0R46	2001-01
AB-GS-2411	PETRO-CANADA FERRIER	177293 CANADA LTD	0001	PETRO-CANADA	0246	1997-01
AB-GS-2424	BONAVISTA OYEN	AMERICAN TRADING AND PRODUCTION CORP	0K72	BONAVISTA PETROLEUM LTD	0MD6	1998-01
AB-GS-2445	APACHE HOPE CREEK	SHELL CANADA LIMITED	0T03	APACHE CANADA LTD	0JL8	1999-11
AB-GS-2448	CONOCO MED HAT	CRESTAR ENERGY INC	0NL2	CONOCO CANADA RESOURCES LIMITED	0FW6	2002-10
AB-GS-2454	ANADARKO HAYS	MORGAN HYDROCARBONS INC	0DT9	ANADARKO CANADA CORPORATION	0031	1998-01
AB-GS-2464	PRIMEWEST RED WILLOW (SHUT DOWN)	JORDAN PETROLEUM LTD	0HJ1	PRIMEWEST ENERGY INC	0N00	2002-10
AB-GS-2468	HUSKY RED WILLOW	2809516 HUSKY LIMITED	0086	HUSKY OIL OPERATIONS LIMITED	0R46	2002-01
AB-GS-2484	CONOCO TABER	CRESTAR ENERGY INC	0NL2	CONOCO CANADA RESOURCES LIMITED	0FW6	2002-10
AB-GS-2549	APACHE HOUSE MTN	SHELL CANADA LIMITED	0T03	APACHE CANADA LTD	0JL8	1999-11
AB-GS-2566	EOG GRAND PRIX - GLIECHEN	PACHANGA CORP	0N96	EOG RESOURCES CANADA INC	0K13	2000-01
AB-GS-2617	DIRECT HILDA	WESTCASTLE ACQUISITION CORP	0WD8	DIRECT ENERGY MARKETING LIMITED	0RC3	2002-10
AB-GS-2662	HUSKY CHINOOK 6-25	2809516 HUSKY LIMITED	0086	HUSKY OIL OPERATIONS LIMITED	0R46	2002-01
AB-GS-2672	CANNAT MATZIWIN	SCEPTRE RESOURCES LIMITED	0N72	CANNAT RESOURCES INC	0TM2	2002-10
AB-GS-2706	NOVAGAS ZAMA	PHILLIPS PETROLEUM RESOURCES LTD	0L31	NOVAGAS CANADA LTD	0TA4	2002-10
AB-GS-2708	HUSKY COALDALE #2 1-19	2809516 HUSKY LIMITED	0086	HUSKY OIL OPERATIONS LIMITED	0R46	2002-01
AB-GS-2710	HUSKY COALDALE #4	CALPINE CANADA RESOURCES COMPANY	0LR8	HUSKY OIL OPERATIONS LIMITED	0R46	2002-10
AB-GS-2711	AEC BERLAND RIVER	GULF CANADA LIMITED	0002	ALBERTA ENERGY COMPANY LTD	0R61	2002-10
AB-GS-2781	EBOC BASHAW	BEST PACIFIC RESOURCES LTD	0NZ8	EBOC ENERGY LTD	0PZ6	1998-01
AB-GS-2781	ENERMARK BASHAW	EBOC ENERGY LTD	0PZ6	ENERMARK INC	0P34	2000-11
AB-GS-2802	THUNDER ROSALIND	CRESTAR ENERGY INC	0NL2	THUNDER ENERGY INC	0E34	1998-01
AB-GS-2819	NOVAGAS ZAMA SOLUTION	PHILLIPS PETROLEUM RESOURCES LTD	0L31	NOVAGAS CANADA LTD	0TA4	2002-10

EUB FACILITY	FACILITY NAME	PREVIOUS OPERATOR NAME	PREVIOUS CLIENT ID	CURRENT OPERATOR NAME	CURRENT CLIENT ID	EFFECTIVE DATE
AB-GS-2822	HUSKY KILLAM	2809516 HUSKY LIMITED	0086	HUSKY OIL OPERATIONS LIMITED	0R46	2002-01
AB-GS-2877	DOMINION MANNVILLE	CRESTAR ENERGY INC	0NL2	DOMINION EXPLORATION CANADA LTD	0MK1	1999-01
AB-GS-2914	AEC MARTEN HILLS	CABRE EXPLORATION LTD	0BP7	ALBERTA ENERGY COMPANY LTD	0R61	2000-12
AB-GS-2915	PETRO-CANADA RICINUS	177293 CANADA LTD	0001	PETRO-CANADA	0246	1997-01
AB-GS-2927	HUSKY COALDALE #5	2809516 HUSKY LIMITED	0086	HUSKY OIL OPERATIONS LIMITED	0R46	2002-01
AB-GS-2941	CONOCO BADGER	CRESTAR ENERGY INC	0NL2	CONOCO CANADA RESOURCES LIMITED	0FW6	2002-10
AB-GS-2977	CNRL DOWLING LK	RANGER OIL LIMITED	0035	CANADIAN NATURAL RESOURCES LIMITED	0HE9	2002-10
AB-GS-3007	CRESTAR NITON	IMPERIAL OIL RESOURCES	0017	CRESTAR ENERGY INC	0NL2	2002-09
AB-GS-3025	CNRL BRUCE (SHUT DOWN)	RANGER OIL LIMITED	0035	CANADIAN NATURAL RESOURCES LIMITED	0HE9	2002-10
AB-GS-3054	NCE FERRIER	APACHE CANADA LTD	0JL8	NCE RESOURCES GROUP INC	0PR8	2002-03
AB-GS-3054	NCE FERRIER	NCE RESOURCES GROUP INC	0PR8	NCE PETROFUND CORP	0MH4	2002-06
AB-GS-3143	HUSKY LEAHURST A	2809516 HUSKY LIMITED	0086	HUSKY OIL OPERATIONS LIMITED	0R46	2002-01
AB-GS-3172	PENN WEST PROVOST	MARATHON CANADA LIMITED	0AL2	PENN WEST PETROLEUM LTD	0BP8	1998-02
AB-GS-3185	HUSKY RETLAW	2809516 HUSKY LIMITED	0086	HUSKY OIL OPERATIONS LIMITED	0R46	2002-01
AB-GS-3188	HUSKY KILLAM	2809516 HUSKY LIMITED	0086	HUSKY OIL OPERATIONS LIMITED	0R46	2002-01
AB-GS-3204	PROVIDENT JUDY CREEK	MAXX PETROLEUM LTD	0KR1	PROVIDENT ENERGY LTD	0TH2	2002-10
AB-GS-3256	EOG GRAND PRIX GLEICHEN	PACHANGA CORP	0N96	EOG RESOURCES CANADA INC	0K13	2000-01
AB-GS-3287	CIMARRON RANFURLY	CANADIAN PIONEER ENERGY INC	0AX2	CIMARRON PETROLEUM LTD	0AL1	2002-10
AB-GS-3363	HUSKY KITSCOTY SOUTH	2809516 HUSKY LIMITED	0086	HUSKY OIL OPERATIONS LIMITED	0R46	2002-01
AB-GS-3498	RENAISSANCE MAJEAU	ULSTER PETROLEUMS LTD	0K16	RENAISSANCE ENERGY LTD	0BN9	1998-01
AB-GS-3498	CONOCOPHILLIPS MAJEAU	RENAISSANCE ENERGY LTD	0BN9	COCOPHILLIPS CANADA LIMITED	0FM5	2000-03
AB-GS-3502	TALISMAN BURDETT	RIGEL OIL & GAS LTD	0096	TALISMAN ENERGY INC	0039	1999-12
AB-GS-3533	HUSKY BERRY	2809516 HUSKY LIMITED	0086	HUSKY OIL OPERATIONS LIMITED	0R46	2002-01
AB-GS-3577	TOM BROWN TURIN GGS			TOM BROWN RESOURCES LTD	0A0L	2002-10
AB-GS-3624	APF ENERGY BAYRIDGE JOARCAM	BAYRIDGE RESOURCES LIMITED	0PH6	APF ENERGY INC	0TJ3	2000-01
AB-GS-3624	NORTHERN CROWN BAYRIDGE JOARCAM	APF ENERGY INC	0TJ3	NORTHERN CROWN RESOURCES LTD	0Z5X	2002-10
AB-GS-3654	ENERPLUS JAYER	DORSET EXPLORATION LTD	0196	ENERPLUS RESOURCES CORPORATION	0JD4	1998-01
AB-GS-3661	PENN WEST PEMBINA	CABRE EXPLORATION LTD	0BP7	PENN WEST PETROLEUM LTD	0BP8	1998-01
AB-GS-3705	CRESTAR RUMSEY	ULSTER PETROLEUMS LTD	0K16	CRESTAR ENERGY INC	0NL2	1998-01
AB-GS-3782	MURPHY KNELLER (DISMANTLED)	SURAT ENERGY INC	0ND1	MURPHY CANADA EXPLORATION COMPANY	0MY7	2002-09
AB-GS-3798	CNRL LIEGE	MARATHON CANADA LIMITED	0AL2	CANADIAN NATURAL RESOURCES LIMITED	0HE9	2001-07
AB-GS-3805	PENN WEST BANTRY	HUSKY OIL OPERATIONS LIMITED	0R46	PENN WEST PETROLEUM LTD	0BP8	2002-10
AB-GS-3815	MARATHON BADGER	1148502 ONTARIO LIMITED	0JN3	MARATHON CANADA LIMITED	0AL2	2002-10
AB-GS-3826	SHININGBANK LOCHEND	PEMBINA ENERGY INC	0NY4	SHININGBANK ENERGY LTD	0TR8	1998-01
AB-GS-3829	CANNAT ATLEE	SCEPTRE RESOURCES LIMITED	0N72	CANNAT RESOURCES INC	0TM2	2002-10
AB-GS-3839	NOVAGAS SHEKILIE/AMIGO	PHILLIPS PETROLEUM RESOURCES LTD	0L31	NOVAGAS CANADA LTD	0TA4	2002-10
AB-GS-3856	TIVERTON NEVIS	DALTON RESOURCES LTD	0TD7	TIVERTON PETROLEUMS LTD	0R44	2002-10
AB-GS-3885	CANNAT ENCHANT	SCEPTRE RESOURCES LIMITED	0N72	CANNAT RESOURCES INC	0TM2	2002-10
AB-GS-3916	PROGRESS MITSUE	ALTAGAS SERVICE INC	0TF9	PROGRESS ENERGY LTD	0XJ2	2002-07
AB-GS-3951	TALISMAN EDSON	IMPERIAL OIL RESOURCES	0017	TALISMAN ENERGY INC	0039	1998-01
AB-GS-3971	HUSKY NIPISI	2809516 HUSKY LIMITED	0086	HUSKY OIL OPERATIONS LIMITED	0R46	2001-01
AB-GS-3980	MARATHON SHOULDICE	CABRE EXPLORATION LTD	0BP7	MARATHON CANADA LIMITED	0AL2	1998-01
AB-GS-3980	ENERMARK INC	MARATHON CANADA LIMITED	0AL2	ENERMARK INC	0P34	2002-01
AB-GS-3994	BONAVISTA GARRINGTON	DEVON CANADA	0F3F	BONAVISTA PETROLEUM LTD	0MD6	2002-06
AB-GS-4018	TALISMAN BOUNDARY LAKE	RIGEL OIL & GAS LTD	0096	TALISMAN ENERGY INC	0039	1999-12
AB-GS-4068	TALISMAN RETLAW	RIGEL OIL & GAS LTD	0096	TALISMAN ENERGY INC	0039	1999-12
AB-GS-4078	CNRL LIEGE	MARATHON CANADA LIMITED	0AL2	CANADIAN NATURAL RESOURCES LIMITED	0HE9	2001-07
AB-GS-4081	CNRL WEST-LIEGE	MARATHON CANADA LIMITED	0AL2	CANADIAN NATURAL RESOURCES LIMITED	0HE9	2001-07

EUB FACILITY	FACILITY NAME	PREVIOUS OPERATOR NAME	PREVIOUS CLIENT ID	CURRENT OPERATOR NAME	CURRENT CLIENT ID	EFFECTIVE DATE
AB-GS-4091	RIO ALTO GOLD CREEK	NEXEN CANADA LTD	0JT3	RIO ALTO EXPLORATION LTD	0BM8	1998-06
AB-GS-4138	HUSKY GRIMSHAW	2809516 HUSKY LIMITED	0086	HUSKY OIL OPERATIONS LIMITED	0R46	2002-01
AB-GS-4158	MURPHY KNELLER	SURAT ENERGY INC	0ND1	MURPHY CANADA EXPLORATION COMPANY	0MY7	2002-09
AB-GS-4190	DIAZ SUGDEN	BRITTANY ENERGY INC	0NM8	DIAZ RESOURCES LTD	0XH8	2000-05
AB-GS-4220	KEYSPAN MORNINGSIDE	ADDISON ENERGY INC	0XK3	KEYSPAN ENERGY CANADA INC	0YD9	2002-08
AB-GS-4231	TALISMAN BONANZA	PEMBINA ENERGY INC	0NY4	TALISMAN ENERGY INC	0039	2002-10
AB-GS-4232	VINTAGE WOOD RIVER	VINTAGE ENERGY (CANADA) LTD	0AZ9	VINTAGE PETROLEUM CANADA, INC	0TC5	2002-07
AB-GS-4276	KEYWEST ENERGY CARBON	BARRINGTON PETROLEUM LTD	0HM7	KEYWEST ENERGY CORPORATION	0WZ9	2001-04
AB-GS-4289	ENERMARK PROVOST	CABRE EXPLORATION LTD	0BP7	ENERMARK INC	0P34	2002-10
AB-GS-4302	HUSKY PROVOST	MIDCOAST CANADA OPERATING	0YF6	HUSKY OIL OPERATIONS LIMITED	0R46	2002-09
AB-GS-4401	CONOCOPHILLIPS HOTCHKISS	RENAISSANCE ENERGY LTD	0BN9	CONOCOPHILLIPS CANADA LIMITED	0FM5	2000-03
AB-GS-4401	BAYTEX HOTCHKISS	CONOCOPHILLIPS CANADA LIMITED	0FM5	BAYTEX ENERGY LTD	0RL9	2002-10
AB-GS-4470	PROFICO PROVOST	TALISMAN ENERGY INC	0039	PROFICO ENERGY MANAGEMENT LTD	0A5F	2002-08
AB-GS-4513	GULF MIDSTREAM GREENCOURT	BARRINGTON PETROLEUM LTD	0HM7	KEYSPAN ENERGY CANADA INC	0YD9	2000-05
AB-GS-4552	ENCANA ET AL FERRYBANK	LAND PETROLEUM INTERNATIONAL INC	0MM6	PANCANADIAN PET/PC O&G DEV LTD/CS	0XE2	2000-02
AB-GS-4597	CONOCO GREENCOURT	CRESTAR ENERGY INC	0NL2	CONOCO CANADA RESOURCES LIMITED	0FW6	2002-10
AB-GS-4748	SIGNALTA 10-20-038-22W4	BEST PACIFIC RESOURCES LTD	0NZ8	SIGNALTA RESOURCES LIMITED	0R89	2002-05
AB-GS-4786	BONAVISTA GARRINGTON 7-10-033-2W5 GGS	DEVON CANADA	0F3F	BONAVISTA PETROLEUM LTD	0MD6	2002-06
AB-GS-4795	DUKE ENERGY WEST 9-27	STAR OIL & GAS LTD	0346	DUKE ENERGY MIDSTREAM SERVICES	0ZK9	2002-08
AB-GS-4807	APF ENERGY EDGE SAKWAT 10-12 GGS	BARRINGTON PETROLEUM LTD	0HM7	APF ENERGY INC	0TJ3	2001-09
AB-GS-6096	BONAVISTA KEHO GGS	ENCOUNTER ENERGY INC	0TD6	BONAVISTA PETROLEUM LTD	0MD6	2001-07
AB-GS-6103	CNRL TABER 6-24 GGS	HUSKY OIL OPERATIONS LIMITED	0R46	CANADIAN NATURAL RESOURCES LIMITED	0HE9	2002-10
AB-GS-6108	KETCH MANYBERRIES 16-36 GGS	HUSKY OIL OPERATIONS LIMITED	0R46	KETCH ENERGY LTD	0RZ7	2002-05
AB-GS-6146	PENN WEST ATLEE BUFFALO 3-24	HUSKY OIL OPERATIONS LIMITED	0R46	PENN WEST PETROLEUM LTD	0BP8	2002-10
AB-GS-6153	ADDISON 2-3 MORNINGSIDE GGS	DEVON CANADA	0F3F	ADDISON ENERGY INC	0XK3	2002-05
AB-GS-6339	PROGRESS CAMPION MITSUE 12-31	PROGRESS EXPLORATION LTD	0WD1	PROGRESS ENERGY LTD	0XJ2	2002-07
AB-GS-6349	MEDICINE HAT EYREMORE 7-20	ALLIED OIL & GAS CORP	0JP8	MEDICINE HAT, CITY OF	0150	2002-07
AB-GS-6385	CNRL CHIN COULEE LEGEND 16-25 GGS	HUSKY OIL OPERATIONS LIMITED	0R46	CANADIAN NATURAL RESOURCES LIMITED	0HE9	2002-10

NEW PLANTS				
EUB FACILITY CODE	FACILITY NAME	TRANSPORTATION REGION	PLANT TYPE	PLANT TYPE EFFECTIVE DATE
AB-GP-1713	BURLINGTON VIKING-KINSELLA GAS PLANT	1	2	2002-08
AB-GP-1714	HUSKY GALLOWAY GP SUNDANCE	2	2	2002-09
AB-GP-1715	HUSKY DENY KISKIU SMOKY RIVER 14-09	4	2	2002-09
AB-GP-1716	ENCANA PEORIA GP & SHANE	4	2	2002-05
AB-GP-1717	VINTAGE FOX CREEK GP	4	4	2002-08
AB-GP-1718	DEVON CANADA HORSE GAS PLANT	4	2	2002-09
AB-GP-1850	ARC JENNER GP & ATLEE BUFFALO	2	2	2001-04
AB-GS-6476	VINTAGE FOX CREEK GGS 5-36	4	1	2002-08
AB-GS-6477	PRIMEWEST ROSE GLEN 04-01	2	1	2002-08
AB-GS-6478	CNRL COLD LAKE 2-17	1	1	2002-08
AB-GS-6479	SOUTHWARD 16-35	1	1	2002-09
AB-GS-6480	ONYX HILLSDOWN 6-20	1	1	2002-09
AB-GS-6481	SOUTHWARD WEST LAVOY/ROYAL PARK GGS	1	1	2002-05
AB-GS-6487	DEVON HORSE 16-35 GGS	4	1	2002-09

Multiple Gas Valuation Factors

Facility ID	Facility Operator ID	Production Period	Billing Period	Royalty Trigger Factor	Pipeline Operator	Meter Station ID	Meter Station Factor	Deleted Tie	Facility to Meter Tie Date	Facility to Meter Termination Date	Meter Factor Effective Date	Meter Factor Termination Date
AB-GP-1140	0TF9	2001/07/01	2002/08/01	1.08	NOVA	1472	1.08		2001/07/01	3000-01-01	2001/07/01	2001-10-01
AB-GP-1140	0TF9	2001/10/01	2002/08/01	1.09	NOVA	1472	1.09		2001/07/01	3000-01-01	2001/10/01	3000-01-01
AB-GP-1716	0XE2	2002/07/01	2002/08/01	1.13	NOVA	2720	1.13		2002/07/01	3000-01-01	2001/10/01	3000-01-01
AB-GP-1846	0NL2	2002/07/01	2002/08/01	0.75	NOVA	1009	0.75		2002/07/01	3000-01-01	2001/10/01	3000-01-01
AB-GS-3798	0HE9	2001/07/01	2002/08/01	1.08	NOVA	5023	1.08		2001/07/01	3000-01-01	2001/07/01	2001-10-01
AB-GS-3798	0HE9	2001/10/01	2002/08/01	1.13	NOVA	5023	1.13		2001/07/01	3000-01-01	2001/10/01	3000-01-01
AB-GS-6379	0PT5	2002/02/01	2002/08/01	1.2	NOVA	2749	1.2		2002/02/01	3000-01-01	2002/01/01	3000-01-01

Injection and Reproducing Facility Ties

There are no changes to this month's Injection and Reproducing Facility Ties Report

SAMPLE BA USA AUTHORIZATION LETTER FROM BA TO CLIENT REGISTRY

(On Corporate Letterhead)

Date:

Alberta Department of Energy
Client Registry
9945 108 Street, 3rd Floor
Edmonton, Alberta
T5K 2G6

Re: Authorization of User Security Administrator for Petroleum Registry

I hereby authorize (*enter USA's name here*) to be the User Security Administrator for
(*enter company name here*), Business Associate ID (*enter BA 4 character identifier
here*).

Authorized by: (Print name, and add title as appropriate)

Signature

SAMPLE BA USA INFORMATION LETTER FROM BA TO CLIENT REGISTRY

(On Corporate Letterhead)

Date:

Alberta Department of Energy
 Client Registry
 9945 108 Street, 3rd Floor
 Edmonton, Alberta
 T5K 2G6

Re: BA Information required for Set-up of USA

*Note: * indicates that information is mandatory*

General Information

BA Id* _____
 BA Legal Name* _____
 Telephone Number* () - _____
 Telephone Extension _____

BA User Security Administrator Information

Surname* _____
 First Name* _____
 Second Name _____
 Telephone* () - _____
 Fax () - _____
 Email* _____
 Mailing Address _____
 (* if different from _____
 BA Corporate Address) _____

 City: _____
 Postal _____
 Code/Zip: _____
 Country: _____

Back-up BA User Security Administrator (Optional)

Surname* _____
First Name* _____
Second Name _____
Telephone* () - _____
Fax () - _____
Email* _____

Authorized by: (Print name, and add title as appropriate)

Signature

BUSINESS ASSOCIATE ROLES IN THE REGISTRY

Each Business Associate is defined by one or more BA Roles in the Registry. These roles allow the Alberta Department of Energy (DOE) and the Alberta Energy and Utilities Board (EUB) to categorize and conduct appropriate business with each BA.

BA Roles do not determine BAs' access permissions within the Registry. That level of security is determined by the BA User Security Administrators (BA USAs) in assigning User Roles, User IDs and facility access.

There are five BA Roles:

- **Operator** - An Operator is a Business Associate that is in control of, or undertakes, the day-to-day operations and activities at a well or facility, or keeps records and submits production reports for a well or facility, whether or not the company is also the licensee or approval holder for the well or facility.

A BA with this role is responsible for submitting:

- volume data, including confidential and experimental data
 - allocation data
 - pipeline split data
- **Working Interest Owner** - A Working Interest Owner is a Business Associate that has ownership in a well or facility. This company or individual may be named on an Owner Allocation Factor (OAF). This role can receive allocations and has the ability to re-allocate any volumes allocated to them.

A Business Associate may initiate or terminate this role by changing the start and end dates. The duration in which a BA has a WIO role may be expanded, but it may not be reduced.

- **Service Provider** - A Service Provider is a Business Associate (BA) that provides, on a fee-for-service basis, administrative and production accounting functions for other companies and/or individuals. A Service Provider that is contracted to work in the Registry is called a Designate BA.

The BA USA of the Contracting BA assigns appropriate authority and security restrictions to the Designate BA, enabling the designate to carry out work processes in the Registry on behalf of the Contracting BA.

- **View Only** - A Business Associate that requires View Only access to the Registry (such as a Shipper, Freehold, Overriding Royalty Owner, or other agencies from other jurisdictions)

A BA with this role has access to all non-confidential infrastructure data, their net share of volumes, and gross volumes of all non-experimental facilities.

- **Other** - Other describes a Business Associate that requires a BA Identifier (ID) for Ministry or Industry purposes but does not have any need for access to the Registry (for example, drilling/service rig operators).

SAMPLE BA ID REQUEST LETTER FROM BA TO CLIENT REGISTRY

(On Corporate Letterhead)

Date:

Alberta Department of Energy
 Client Registry
 9945 108 Street, 3rd Floor
 Edmonton, Alberta
 T5K 2G6

Re: BA ID Request

*Note: * indicates that information is mandatory*

General Information

BA Legal Name (* if Company) _____

Last Name (*if Individual) _____

First Name (*if Individual) _____

Middle Name (if Individual) _____

Care/Of Identifier (if applicable) _____

Care/Of Legal Name (if applicable) _____

Mailing Address _____

(* if NO Care/Of Given) _____

City: _____

Postal _____

Code/Zip: _____

Country: _____

Telephone Number* () -

Fax Number () -

Email Address
 (*if Contact email address is not given) _____

Alberta Corporate Access Number _____

GST Code*
 (Yes, No, Provincial or Special) _____

GST Registration Number
 (* if GST Code is anything other than 'No') _____

Contact Person Information

Contact Last Name* _____
 Contact First Name* _____
 Contact Middle Name _____
 Telephone Number* () - _____
 Fax Number () - _____
 Email Address _____
 (*if Corporate email address is not given) _____

Alternate Address Information (Gas and/or Oil Alternate Address)

Note: None, One or both alternate addresses can be supplied.

Mailing Address _____

 City: _____
 Postal Code/Zip: _____
 Country: _____
 Telephone Number () - _____
 Fax Number () - _____
 Email Address _____

BA User Security Administrator Information

If access to the Registry is being requested, please supply the following information:

Surname* _____
 First Name* _____
 Second Name _____
 Telephone* () - _____
 Fax () - _____
 Email* _____
 Mailing Address _____
 (* if different from BA Corporate Address) _____

 City: _____
 Postal Code/Zip: _____
 Country: _____

Back-up BA User Security Administrator (Optional)

Surname* _____
First Name* _____
Second Name _____
Telephone* () - _____
Fax () - _____
Email* _____

Business Associate Role(s)

List the BA role(s) you will assume as a Business Associate
(Operator, Working Interest Owner (WIO), Service Provider, View Only or Other)

EUB Licence Holder Information

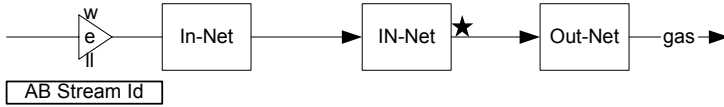
Abbreviated BA Name _____
(*If you wish to become an EUB Licence Holder)

Authorized by: (Print name, and add title as appropriate)

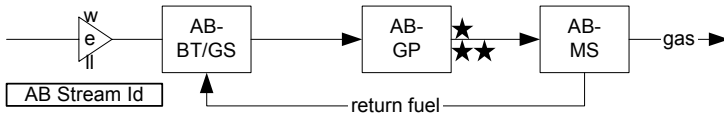
Signature

DOE Volumetric Royalty Triggers Schematic

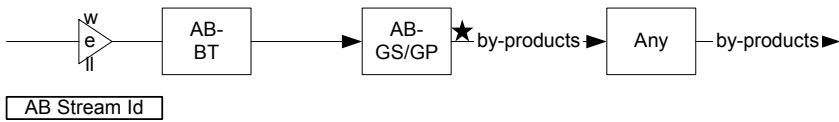
Royalty Trigger Type: Dispositions to Out of Network



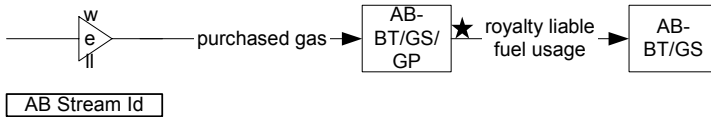
Royalty Trigger Type: Dispositions to Out of Network With Return Fuel



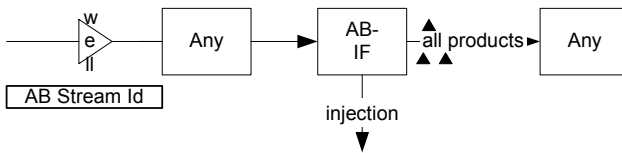
Royalty Trigger Type: By-Products Processing



Royalty Trigger Type: Royalty Liable Lease Fuel



Royalty Trigger Type: Injection Credit



- ★ Crown Royalty
- ▲ Injection Credit
- ★★ Crown Royalty reduction for return fuel
- ▲▲ Injection Credit reduction for deliveries from injection facility

Sample Crown Royalty Detail – Calculation Report

CROWN ROYALTY DETAIL CALCULATION													
Issue Date: 2002-11-30				Invoice #: 00000180171				Royalty Payer Code: OXYZ					
Royalty Client: OA0A								Name: FRANK'S DRILLING CO.					
Name: BOB'S RESOURCES LTD								Address: 232 32 AVE SW SUITE 2456					
Facility: AB-GS-0004841								LEDUC, AB					
Production Period: 2002-09								T2R5V4					
Royalty Product	Reference Price	Price Adjustment	Raw Gas Factor	Corporate Gas Factor	Adjusted IATD	Royalty Trigger Factor	Transportation Adjustment	Fractionation Rate \$	Valuation Price	Conversion Factor	Unit Operating Cost Rate \$	Reversal Status	Provisional Assessment Price
GAS	3.33				0.290	1.12	0.03		3.30	1			3.33
GAS	3.33		0.80		0.290	1.00	0.00		2.66	1			
Royalty Product	Client_Volumetric_Totals Quantity	Heat	Crown Interest%	Vintage Type	%	Rate	Crown_Royalty Quantity	Heat	Gross Royalty \$	Royalty Exemption \$	Operating Deduction \$	Charge Total \$	Interest Charge \$
Charge Type: Crown Royalty													
Stream Id: AB-WI-10141304220W400													
GAS	25.6	1091	100.0000000	NEW	100	34.80211	8.91	379.69	1,251.16	0	0	1,251.16	0
Charge Type: Provisional Assessment													
Stream Id:													
GAS	333.3	13176	100.0000000	NEW	100	35	116.66	4611.60	15,356.63	0	0	15,356.63	0
Charge Type: EOR Adjustment													
Stream Id: AB-IS-0010400													
GAS	59.7	2422	100.0000000	NEW	29.37	34.80211	6.10	247.56	659.50	0	0	659.50	0
Charge Type: Injection Credit													
Stream Id: AB-IS-0000400													
GAS	15.9	680	100.0000000	NEW	29.37	34.80211	1.63	69.51	185.16	0	0	185.16	0
TOTAL													
FACILITY: AB-GS-0004841													
CHARGE TYPE: Crown Royalty \$1,251.16													
Provisional Assessment \$15,356.63													
EOR Adjustment \$659.50													
Injection Credit \$185.16													
INTEREST CHARGE \$0.00													
<u>\$17,452.45</u>													

Sample Crown Royalty Detail – Volumetric Report

CROWN ROYALTY DETAIL
VOLUMETRIC

Invoice #: 112341

Issue Date: 2002-11-30
Royalty Client: 0A0A
Name: BOB'S RESOURCES LTD
Facility: AB-GP-4841534
Production Period: 2002-09

Royalty Payer Code: OXYZ
Name: FRANK'S DRILLING CO.
Address: 232 32 AVE SW SUITE 2456
LEDUC, AB
T2R5V4

Volumetric Trigger Details

Allocation Details

Volumetric Trigger Details								Allocation Details					Client Volumetric Totals	
Amend No.	Royalty Activity	Reporting Product	Reporting Facility	From/To Facility	Product	Volume	Energy	Amend No.	Owner Factor	Amend No.	Stream Facto	Allocator %	Quantity	Heat
Charge Type: Crown Royalty				Stream Id: AB-WI-100141304220W400				Stream Owner: 0F49		SAF/OAF Submitter: 0A0A				
1	DISP	GAS	AB-GP-4841534	AB-MS-1231232	GAS	230.0	9200	2	0.3500000000	0	0.242342300	0.2500000000	4.9	195.1
													=====	
													4.9	195.1
Charge Type: Crown Royalty				Stream Id: AB-WI-100143456440W800				Stream Owner: 0A0A		SAF/OAF Submitter: 0A0A				
1	PURDISP	GAS	AB-GP-4841534	AB-MS-1231232	GAS	456.0	18240	2	0.3500000000	1	0.342300000	1.0000000000	54.6	2185
													=====	
													54.6	2185
Charge Type: Crown Royalty				Stream Id: AB-WI-100143456440W800				Stream Owner: 0A0A		SAF/OAF Submitter: 0A0A				
1	PROC	C2-MX	AB-GP-4841534		C2-MX	23.0		2	0.4343440000	2	0.342300000	1.0000000000	3.4	
1	PROC	C3-MX	AB-GP-4841534		C3-MX	44.0		2	0.4343440000	2	0.342300000	1.0000000000	6.5	
													=====	
													10.0	

Sample DOE SAF/OAF Ensure Complete Process Results Report

Ensure Complete Process Results

Issue Date: 2001-11-30 11:56 PM
 Royalty Client: OPA
 Name: FRANKS PLANT OPERATING
 Billing Period: 2002-10

Royalty Payer Code: OPA
 Name: FRANKS PLANT OPERATING
 Address: 350 7 AVE SW SUITE 4000
 RED DEER, AB X0X 0X0
 CAN

Production Period	Stream Id	Product	Activity	From/To	Cascade	Owner Id	Volume	Error
Facility Id: AB-GP-0001002								
2001-09		GAS	DISP	AB-MS-0004567			100.0	MISSING SAF
2001-10	AB-BT-0001234	GAS	DISP	AB-MS-000975 3	AB-GP-000777		100.0	MISSING SAF (CAS CADE)
2001-10	AB-UN-0777 7	GAS	DISP	AB-MS-000789 2			30.0	MISSING OAF
2001-10	AB-WI-1000580800117400	GAS	DISP	AB-MS-000789 2		OK01	200.0	INVALID OWNER ID
2001-10	AB-WG-04567	C5-SP	PROC				10.0	INVALID STREAM ID
Facility Id: AB-GP-0004321								
REQUIRED ALLOCATIONS COMPLETE								
Facility Id: AB-GP-0004322								
2001-10		GAS	DISP	AB-MS-0004586			50.0	MISSING SAF
Facility Id: AB-MS-700012								
2001-10		GAS	DIFF				5,200.0	METER DIFF AT METER STATION
Facility Id: AB-MS-700013								
2001-10		GAS					12,000.0	UNALLOCATED CSO VOLUME

*** ** End Of Report ** ****

Sample Provisional Assessment Summary Report

Provisional Assessment Summary

Issue Date: 2001-11-30
 Royalty Client: OJPA
 Name: FRANKS PLANT OPERATING
 Billing Period: 2002-10

Invoice #: 146038

Royalty Payer Code: OJPA
 Name: FRANKS PLANT OPERATING
 Address: 350 7 AVE SW SUITE 4000
 RED DEER, AB X0X 0X0
 CAN

Production Period	Billing Period	Stream Id	Product	Activity	From/To	Cascade Facility	Owner Id	Error	Quantity Discrepancy	Energy Discrepancy	Provisional Assessment Charges \$
Facility Id: AB-GP-0001002											
2002-09	2002-09		GAS	DISP	AB-M3-0004567			MISSING SAF	100.0	3.700	4.144.00
2002-09	2002-09		GAS	PROC				NO SAF DETAIL ROWS EXIST	200.0	5.600	6.272.00
2002-10	2002-10	AB-BT-0001234	GAS	DISP	AB-M3-0009753	AB-GP-0007777		MISSING SAF (CASCADE)	100.0	3.700	4.144.00
2002-10	2002-10	AB-UV-07777	GAS	DISP	AB-M3-0007892			MISSING SAF	30.0	1.110	1.243.20
2002-10	2002-10	AB-WI-100101202301W400	GAS	DISP	AB-CO			NO SAF DETAIL ROWS EXIST	150.0	4.000	4.480.00
2002-10	2002-10		GAS					INVALID STREAM ID	50.0	1.850	2.072.00
		AB-WI-102020101401W400		DISP	AB-CO						
		AB-WI-102020101401W400		DISP	BC-GP-0921						
2002-10	2002-10	AB-WI-1000500000117W400	GAS	DISP	AB-M3-0007892		0X01	INVALID OWNER ID	200.0	7.400	8.288.00
2002-10	2002-10	AB-WC-04567	CS-GP	PROC				INVALID STREAM ID	10.0	370	414.40
								Total for AB-GP-0001002	840.0	27.730	31.057.60
Facility Id: AB-GP-0004321											
2002-10	2002-10		GAS	DISP	AB-M3-0004586			MISSING SAF	50.0	1.850	2.072.00
								Total for AB-GP-0004321	50.0	1.850	2.072.00
Facility Id: AB-M3-0700012											
2002-10	2002-10		GAS	DIFF				METER DIFF AT METER STATION	5.200.0	213.200	238.784.00
								Total for AB-M3-0700012	5.200.0	213.200	238.784.00
Facility Id: AB-M3-7000013											
2002-10	2002-10		GAS					UNALLOCATED C&O VOLUME	12.000.0	480.000	537.600.00
								Total for AB-M3-7000013	17.200.0	693.200	776.364.00
								Total For OJPA	17.690.0	711.330	796.689.60

***** End Of Report *****

Registry ISC Reporting Table (Revised Oct 2002)

<i>For activity at reporting facility and from/to location, submitter must report ISC, along with the Gas volumetric submission to the Registry.</i>			
Submitter	Reporting Facility	Activity	From/To Location
Pipeline Operator	AB PL	REC	AB MS sub type 631
Pipeline Operator, or Common Stream Operator	AB MS where Registry auto population is not elected	REC	AB BT, AB GS, AB GP
Mainline Straddle Plant Operator	AB GP sub type Mainline Straddle	REC	AB BT, AB GS, AB GP
Field Straddle Plant Operator	AB GP sub type Field Straddle	REC	AB BT, AB GS, AB GP
Injection Facility Operator	AB IF	REC	AB/BC/SK Any
Battery, Gathering System or Gas Plant Operators	AB BT, GS, or GP	DISP	Any non reporting AB MS/PL
Battery, Gathering System or Gas Plant Operator	AB BT, GS, or GP	DISP	AB RE, AB CO, AB IN, AB EG, AB R1, AB R2
Battery, Gathering System or Gas Plant Operators	AB BT, GS, or GP	DISP	Any non AB location
Raw Gas Sellers	Report ISC factors of raw gas stream on RGA Submission		

AB	Alberta	BT	Battery	CO	Commercial
DISP	Disposition	EG	Electrical Generation	GP	Gas Plant
GS	Gathering System	IF	Injection Facility	IN	Industrial
MS	Meter Station	PL	Pipeline	RE	Residential
REC	Receipt	R1/R2	Residential Pipeline		