

MINERAL OPERATIONS INFORMATION BULLETIN

December 1999

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Gas Royalty Operations would like to wish you and your colleagues and families the happiest of Holiday Seasons.



A. PRICING AND TRANSPORTATION INFORMATION

For Pricing, Royalty Rates and Transportation Information for October 1999, refer to Attachments [1](#), [2](#), [2A](#), and [3](#).

B. COMMUNICATION UPDATE

October 1999 Royalty Due Date

- Royalty clients are to remit the total amount payable shown on the January 2000 Statement of Account by January 31, 2000. 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 since the statement issue date to the date of payment, using the per diem amount provided.
- The January 2000 Statement of Account shows your amount payable as of the Statement issue date. It includes any outstanding balances from your previous statement, your October 1999 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 period charges for the production month of October 1999 if it is paid in full by January 31, 2000.
- 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.

November 1999 (OAS) and VA4 Due Dates

The OAS and VA4 documents for the production month of November 1999 are due in the Department offices by January 15, 2000.

NOTE:

- 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. Each keying service will provide their cut-off date, if requested.
- 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

The Department of Resource Development interest rate for December 1999 is 7.50%.

C. NOTICES

Reminder - Office Closures – Christmas Period

All Department of Resource Development offices will be closed from Friday, December 24, 1999 to Tuesday, December 28, 1999 inclusive. Also, our offices are closed on Monday, January 3, 2000.

Business Design Meetings

The Gas Royalty Branch participates in monthly Business Design meetings in Calgary. The purpose of these meetings is to discuss broad scope issues regarding business rules and processes. These meetings are attended by senior industry officials and senior government representatives. Should you require further information pertaining to these meetings please contact Sharla Rauschnig at (780) 427-6230.

Otherwise Flared Solution Gas royalty Waiver Program (OFSG)

In the June, July and August 1999 Information Bulletins, clients were informed of the details pertaining to the Otherwise Flared Solution Gas Royalty Waiver Program. A listing of pre-qualified wells was included with the August 1999 Information Bulletin. The Program is now operational. Royalty clients who have reported OAS information on wells approved under the OFSG program (pre-approved or application based) will notice the OFSG credits appearing on the October 1999 billing period invoice. For more information contact Deen Khan at (780) 422-9247.

Natural Gas Liquids – Reference Prices and Allowances Changes as a Result of the Natural Gas Liquids Review

In early 1998, a joint industry and department committee was formed to review the effectiveness and appropriateness of the valuation models used for determining the Natural Gas Liquids Reference Prices and Allowances for royalty purposes. As a result of the committee's recommendations, the department will be implementing a number of changes effective with the production month of January 2000. These changes will ensure the valuation models are representative of current markets while maintaining a relatively simple reporting system.

Note that these changes only affect the calculations of the Natural Gas Liquids Reference Prices and Allowances. There will continue to be published reference prices for propane, butane and pentanes plus, a fractionation allowance and twelve transportation allowances.

These changes are not a result of the December 9, 1999 announcement regarding changes to the natural gas and natural gas liquids royalty structures, and are expected to continue on as the appropriate method to calculate reference prices.

Key changes to be implemented are:

1. Revising the model for calculating the pentanes plus reference price. It will now use actual Edmonton area prices reported by designated major purchasers consistent with the principles for propane and butane. The previous model uses a simple average of crude oil and pentanes postings at Edmonton. This is not representative when prices for pentanes are significantly different from crude oil.

2. Increasing the number of major purchasers of natural gas liquids that provide pricing information will improve the statistical reliability of the published reference prices and allowances.
3. Including non-Edmonton based purchase transactions with Edmonton based purchase transactions will recognize the growing significance of non-Edmonton based transactions.

For information please contact Bill Zanewick, Director Gas Valuation at (403) 297-5465.

Submission of 1999 Allowable Cost (AC) Forms

Royalty clients are advised that 1999 Allowable Cost forms can be submitted to the Department for processing. 1999 AC forms should be submitted in advance of the deadline for:

- 1) those facility cost centres that have been terminated or shut-in in mid-year and final 1999 information is available
- 2) royalty clients who wish to submit documents early to ensure ample time is provided to correct any document rejects that may occur.

For option (2) listed above, please be advised that forms submitted for this purpose must contain accurate 1999 cost information.

Reminder - Close-Out for Operations

Production Year 1997

As prescribed by the Natural Gas Royalty Regulation, 1994, royalty clients are required to file accurate and timely information within specified time frames for a production month or production year. Inherent in the business of gas production is the frequent adjustment and balancing of reported volumes and distribution of costs. These adjustments result in retroactive processing of Industry submitted royalty documents to accurately reflect volumetric ownership and ensure appropriate distribution of costs. To contain the extent of retroactive processing and to facilitate the completion of audits within the legislated time frames, an Operational Close-Out process has been established. Normally two years after the end of a production year, that production year is operationally closed. When a production year is operationally closed, the Mineral Revenues Information System (MRIS) will reject any royalty document submitted for a closed out production year after the established close-out dates, unless written authorization is granted by the Department.

Facility Operators and Owners must ensure that correcting documents required to clear unreconciled volumetric discrepancies and to amend the distribution of costs for the closed out production year are submitted prior to the close-out dates. Facility Operators and Owners are encouraged to review the following reports produced by the Department to focus on facilities that require immediate attention prior to close-out:

- Rejection Notices
- Reconciliation Summary Report
- Reconciliation Detail Letters
- Annual Reports
- Reconcile Statement of Account balances
- Operating Cost Deduction at Facilities with No Capital Ownership or Custom Processing Fees

The close-out dates are as follows for the production year of 1997:

<u>Production Year</u>	<u>Primary Documents Close-Out Date</u>	<u>Secondary Documents Close-Out Date</u>
1997	February 15, 2000	April 12, 2000

Note: There are only two secondary documents: the Reassignment of Volumes Set Up/Change (RMF2) and the Annual Capital Cost Allowance Reallocation (AC3). All others are primary documents.

Should circumstances warrant the amending of documents for a closed out year, a written request must be made which includes the following detailed information:

1. Specific reason for processing documents after operational close-out.
2. List of document types being amended (i.e. OAS, RMF2, AC2).
3. Affected facilities and/ or stream IDs (i.e. Gas Plant code, facility cost centre code, well event).
4. Concurrence from all affected parties (i.e. *Cascades on an OAS, RMF2's*).
5. Estimated dollar impact.
6. Paper copies of the document(s) to be processed.

Operators and Owners must ensure that submitted documents meet MRIS edit criteria. Documents that do not meet MRIS edit criteria will be rejected and the client will be notified by a rejection notice. Royalty documents that meet MRIS edit criteria will be processed and will be subject, where applicable, to the following:

- Provisional Assessments
- Recalculation of Royalty
- Interest Calculations
- Re-calculation of Allowable Costs, including the Corporate Effective Royalty Rate (CERR).

Where applicable, results of the processed documents will be reflected in the Crown Royalty Detail Statement, Invoice, and Statement of Account.

Written requests together with the applicable royalty documents (**paper only; for the OAS, the paper copy will be used for review and approval of the request. If the request is approved, the client will be informed to forward the OAS (EDI) to their keying service for processing**) must be submitted to:

Karin Hammond (780) 422-9261 Fax: (780) 427-3334
Gas Royalty Operations
8th Floor, North Petroleum Plaza
9945- 108 Street
Edmonton, Alberta T5K 2G6

Reminder - Expected AC5 - Custom Processing Fees For 100% Freehold Royalty Clients

Further to the enhancements to late filing penalty rules outlined in the August 1999 Mineral Operations Information Bulletin 99-08A, the Department has reviewed the AC5 filing requirements for royalty clients who do not pay any Crown royalty nor receive any Crown share of allowable costs during the production year because their volumetric activity is entirely freehold.

If your company is 100% freehold as defined above, you are no longer required to file an AC5 document for the related production year and late filing penalties will not apply as long as you do not acquire any Crown interest volumes or allowable costs in the same production year. The Department encourages timely filing of custom processing fees (AC5) in the event that your freehold status changes during the year.

For royalty clients whose volumetric activity is entirely freehold and who receive a Crown share of allowable costs, through amalgamation or consolidation with a Crown royalty client, an AC5 form must be filed to prevent a full recapture of operating costs.

The Gas Royalty Principles and Procedures will be updated to reflect the above information.

If you have any questions, please contact the Gas Royalty Client Services Help Desk at (780) 427-2962.

Reminder - Y2K Contingency Payment Information

In the event that electronic payments cannot be made in January 2000, the Department will accept cheques. The cheques can be delivered to our Calgary office at Monenco Place, 3rd Floor, 801 – 6th Avenue S.W. or to our Edmonton office at North Petroleum Plaza, 12th Floor, 9945 – 108th Street, on or before the due date. Please ensure the company name and G94 account number is identified on the cheque. Cheques will be accepted up to 4:30 PM and will be considered received on that business day.

Reminder - Rapid Trans Deposit Location Changes

This update is specific **only** to clients who make payments using the Departments generic account 09-35603. The generic account is primarily used for transition prior to the assignment of a unique account number, or to make a payment at a location other than the one specific to their unique account number. **Clients who have a unique account number other than 09-35603 must continue to use it at the related branch location.** Due to lack of use, only the following locations will accept generic Rapid Trans payments after January 31, 2000.

Location	Transit#	Bank Address	City
00001	00059	Jasper Avenue & 100 th Street	Edmonton
00018	00009	CIBC Place, Bankers Hall, 309 8 th Avenue	Calgary
00023	08009	Bow Valley Square 2	Calgary

Please ensure the company name and G94 account is specified on the Rapid Trans Deposit. Contact Arlene Clark at (780) 427-3617.

Reminder – 1995 Audits in Progress

In accordance with statutory requirements and royalty recalculation guidelines as documented in Information Letter 97-25, non-operator partners are advised that certain 1995 capital cost and custom processing adjustment factor (CPAF) audits are in progress. Completion of the audits and royalty recalculations/assessment, if required, will occur in 2000. [Attachment 7](#) is a listing of AC2 Capital and CPAF Audits for 1995.

Please be advised that the Compliance and Assurance Branch is currently conducting a review of reported S1 Operators and related parties are advised that this audit work will be completed in the 5th year following the production year in accordance with the provisions of Section 39 of the Mines and Minerals Act. See [Attachment #8](#) for a list of wells/batteries. If you have any questions on the above audits, please contact Chris Lawton of the Compliance and Assurance Branch at (403) 297-6746.

Reminder - Industry Recalculation of 1995 Royalty

Industry initiated royalty recalculation requests for the 1995 production year must be submitted in writing to the attention of Deen Khan of the Gas Royalty Branch, consistent with Information Letter (97-25) requirements, prior to December 31, 1999.

Clients are also reminded that in accordance with Information Letter 97-25, amendments received by the Department in the fourth year following the production year, may be subject to audit. If the amendments are received late in the fourth year and insufficient time is available for the Department to commence a review of the amendments prior to the end of the year, the Department reserves the right to commence the audit at the beginning of the fifth year.

Reminder - Revised AC3 Validation Edit

The edit rule rejecting AC3 forms in the absence of an AC2 Capital Cost Allocation form has been revised. The AC3 form validation is now independent of the AC2, and applies to AC3 files processed after Nov 14, 1999. However, for cost allowance calculation purposes, the AC3 will not be referenced if there is no system accepted AC2 allocation for the filer of the AC3. [Attachment 6](#) contains a complete summary of field by field edits of the AC3 form.

Reminder - Penalty Waiver: Zero Capital/Operating Cost Forms

AC2 Forms:

If a Facility Cost Centre is fully depreciated with a RUL of zero, and an AC2 is filed to report zero capital costs at that Facility Cost Centre for the 1995 to 1998 production years, late filing penalties will be automatically waived. To be eligible for this waiver, system acceptable AC2 form(s) must be received by December 31, 1999. Previously charged penalties on AC2 form(s) that meet the above criteria will also be reversed. Clients will be notified of the penalty reversal on the Crown Royalty Invoice. In situations where a penalty waiver was applied, penalties will not be included on the invoice. Please note that penalty waivers/reversals will not apply to capital additions or other situations where the capital is not reported as zero.

For unique reporting situations where the capital is equal to zero but the RUL is greater than zero, requests for a penalty waiver for the 1995 to 1998 production years will be evaluated on a case by case basis. A written request that provides details of the reporting situation, including completed system acceptable AC2 form(s), must be received by December 31, 1999.

AC4 Forms:

Where the Operator of a Facility Cost Centre reports zero operating costs, requests for penalty waiver/reversal will be evaluated on a case by case basis. A written request that provides details of the reporting situation, including completed system acceptable AC4 form(s), must be received by December 31, 1999.

Some clients have advised the Department that for administrative simplicity, they have combined and reported operating costs under one Facility Cost Centre within the same EUB plant type. Where the Operator of a Facility Cost Centre has reported operating costs under one Facility Cost Centre, with the other Facility Cost Centers reporting zero, requests for penalty waivers/reversals will be evaluated on a case by case basis. The department expects that the royalty reporting will be corrected in the future. A written request that provides details of the reporting situation, including completed system acceptable AC4 form(s), must be received by December 31, 1999.

Penalties will not be waived/reversed for zero forms received after December 31,1999 for the 1995 to 1998 production years. Zero forms for production years subsequent to 1998 must be submitted by their respective due dates or penalties will apply. These forms are required as it is essential that the Department receive complete and timely information and to maintain current and accurate registry data.

Contact: Renee Matsuba
Gas Royalty Client Services Helpdesk
8th floor, 9945- 108 Street
Edmonton, Alberta T5K 2G6
Phone: (780) 422-9166 Fax: (780) 422-8732

September Provisional Assessment Charge

The net Provisional Assessment Charge for the September 1999 billing period was \$22,582,359.34. This includes \$62,686,473.89 in first time provisional assessment and (\$40,104,114.55) in reversals of provisional assessment for all production periods.

September Penalty Charges

The following are the Penalty Charges by form type for the September, 1999 billing period:

FORM	Penalties Charged
AC1	\$0
AC2	\$4,138,200
AC3	\$0
AC4	\$667,000
AC5	\$2,525,400
GR2	\$0
NGL1	\$0
RMF1	\$0
RMF2	\$0
RMF3	\$0
VA2	\$0
VA3	\$0
VA4	\$1,000
Total Charged	\$7,331,600
Total Reversed	(\$9,178,700)
Net Penalties Charged for 1999/09	(\$1,847,100)

Complete Client ID Listing

The Complete 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 termination and effective dates as well as the status of all Client ID's. The Department would like to remind those browsing the site to note the effective and termination dates of the Client IDs.

Alberta Royalty Tax Credit Program Quarterly Rate

For the fourth quarter of 1999, the Alberta Royalty Tax Credit rate will be 55.29%. This rate is based on a royalty tax credit reference price of \$165.82 per cubic metre. The Alberta Royalty Tax Credit rates for the past year were:

Third Quarter, 1999 73.31%
 Second Quarter, 1999 73.30%
 First Quarter, 1999 73.64%
 Fourth Quarter, 1998 73.68%
 Contact: David Reiner Phone: (780) 427-9425 ext 250

Projects and Blocks

PROJECTS/BLOCKS:

The following projects/blocks have been set up since December 1999. If further information is required on these or any other projects, please contact Marlene Williams at 422-9151.

BLOCK/PROJECT NAME	EFFECTIVE DATE	OPERATOR	STREAM ID
Viking-Kinsella Upper Mannville Z3Z Project No. 4 NAME CHANGE ONLY: Previously named: Viking-Kinsella Upper Mannville X Project No. 4	November 1, 1999	0026	A02443
Viking-Kinsella Upper Mannville Z3Z Project No. 5 NAME CHANGE ONLY: Previously named: Viking-Kinsella Upper Mannville X Project No. 5	November 1, 1999	0026	A02444
Viking-Kinsella Upper Mannville Z3Z Project No. 6 (correction) NAME CHANGE ONLY: Previously named : Viking-Kinsella Upper Mannville X Project No. 10	July 1, 1998	0026	A02492
Viking-Kinsella Upper Mannville Z3Z Project No. 1	November 1, 1999	0FD5	A02625
Viking-Kinsella Upper Mannville Z3Z Project No. 2	November 1, 1999	0FD5	A02626
Viking-Kinsella Upper Mannville Z3Z Project No. 3	November 1, 1999	0FD5	A02627
Viking-Kinsella Upper Mannville A4A Project No. 1	November 1, 1999	0FD5	A02628
Manyberries Sunburst C Project No. 2	November 1, 1999	0WP4	A02629

Reminder - Struck Clients - 1995 Struck Companies

Clients must ensure that the OAS and all other royalty documents are completed using only valid client names and IDs. The following clients have outstanding 1995 business that will be rejected and reported to the Facility Operator when the struck date is applied. Amendments to reallocate volumes or costs for 1995 must be submitted under cover of a letter to Karin Hammond by December 31, 1999.

BA Code	BA Name	Struck Date
0033186	613411 Alberta Ltd.	1994-06-01 *
0DD3	TAI Resources Ltd	1995-02-01
0HB3	Hamcor Resources Ltd	1995-02-01
0JP6	Sterling Oil Limited	1993-12-31 *
0K27	Westburne Petroleum & Minerals Ltd	1994-07-01 *
0MN3	Samson Resources Company	1995-08-01
0R03	Hershey Oil Corporation	1995-09-01
0034381	420672 Alberta Inc	1995-01-01

* These Companies will be inactivated as of 1995-01-01.

If there are any concerns with the Struck Companies listings, please contact Agnes Kilmarnock of Client Registry group at (780) 422-1378. All outstanding business for these Companies pertaining to 1995 must be resolved prior to December 31, 1999. Please refer to the “Industry Recalculation of 1995 Royalty” article found in this month’s bulletin.

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 valid client names and IDs on all documents to ensure accurate royalty calculation and to prevent Provisional Assessment and penalties. Rejects will occur when invalid names or IDs are used.

Struck Clients

The following is a list of struck clients:

COMPANY NAME	CLIENT ID	STRUCK DATE
329173 Alberta Ltd.	0004209	November 1, 1999
American Trading and Production Corporation	0K72	November 1, 1999
Cayenne-Holifield Energy Corporation	0NN9	November 1, 1999
Marlin Petroleums Limited	0686	November 1, 1999
Reel Energy Corp.	0FG3	November 1, 1999
Aberdeen Petroleum (Canada) Limited	0ME5	November 8, 1999

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](#).

D. POINTS OF CONTACT

Department of Resource Development (Price and Transportation) Hotline & Internet

Prices, royalty rates, and transportation information are available on the Department of Resource Development Internet address or hotline: (403) 297-5430. In addition, both the Mineral Operations Information Bulletin and Information Letter are also available on the Internet address:

www.energy.gov.ab.ca

Gas Royalty Client Services Help Desk

Gas Royalty Client Services "Help Desk" can be reached at:

Telephone: (780) 427-2962
Fax: (780) 427-3334 or (780) 422-8732
Alberta Toll Free: (780) 310-0000

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) 427-9425
Alberta Toll Free: (780) 310-0000
Fax: (780) 427-5074

Carlene Edden
Executive Director
Gas Royalty Operations
Mineral Operations Division

Attachments

1999 PRICES

MONTH	GAS REF PRICE (\$ per GJ)	GAS 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	2.04	2.22	111.69	96.21	61.07	28.25	50.98	41.47	8.08
FEB	1.90	2.04	106.73	104.93	61.89	30.90	65.22	38.92	13.89
MAR	1.80	1.90	132.94	100.46	72.00	39.31	69.28	44.12	8.26
APR	1.90	1.80	155.05	126.57	83.27	65.29	86.52	76.55	10.92
MAY	2.21	1.90	156.54	148.79	83.01	63.64	94.04	76.18	9.79
JUN	2.22	2.21	157.01	150.48	83.13	65.93	95.44	80.62	12.00
JUL	2.33	2.22	179.32	151.03	102.66	88.67	121.86	103.95	10.57
AUG	2.60	2.33	191.56	173.31	116.73	99.90	139.02	116.11	12.06
SEPT	2.86	2.60	214.69	185.71	133.60	114.38	146.67	125.92	11.24
OCT	2.72	2.86	204.99	208.70	145.39	123.68	161.51	135.49	19.46
NOV									
DEC									

DETAIL OF THE OCTOBER 1999 GAS REFERENCE PRICE		SELECT PRICE 1999				
Weighted Average Price of Alberta	3.001\$/GJ	New Gas (\$per GJ)	Old Gas (\$per GJ)	Pentanes (\$per m ³)		
Deductions: Intra – Alberta Transportation	0.259\$/GJ					
Marketing Allowance	0.015\$/GJ	1.181	0.351	42.73		
Price Before Pipeline Factor	2.727\$/GJ					
Pipeline Fuel/Loss Factor	0.985					
Price before Special Adjustment	2.686\$/GJ					
Special Adjustment	0.000\$/GJ					
Price before 2% amendment limitation or rounding	2.686\$/GJ					
Amendments: Carry forward (from previous RP month)	0.030\$/GJ					
Prior Period Amendment Adjustment (current RP month)	0.000\$/GJ					
Calculated RP after Amendments 2.	2.716\$/GJ					
OCTOBER 1999 Reference Price		ANNUAL SULPHUR DEFAULT PRICE				
Difference = value carried forward to next	-0.004/GJ	1995	1996	1997		1998
		\$25.59	\$11.45	\$10.11	\$6.06	

1999
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	8.78	5.87	9.89	5.97	-5.87	-54.79	-24.96	-14.22	3.32	-2.26	6.21	19.71	7.00
FEB	5.58	5.98	10.03	7.83	1.27	-25.31	-9.21	-3.61	3.45	0.31	11.92	8.00	7.00
MAR	5.42	6.08	10.04	8.05	-17.15	-65.97	-53.07	-67.33	3.56	-5.57	8.43	6.75	7.00
APR	5.32	5.98	9.91	6.97	4.06	1.76	4.21*	-1.96	3.70	6.05	9.14	6.67	7.00
MAY	5.15	6.00	9.67	5.93	3.62	6.29	4.37*	3.20	3.72	5.85	9.63	6.84	7.00
JUN	5.15	5.75	9.76	6.90	3.55	5.28	4.01*	3.20	2.65	5.03	7.61	7.40	7.00
JUL	4.83	5.89	9.73	7.16	4.49	6.17	4.63*	3.24	2.02	5.09	8.48	8.07	7.00
AUG	4.60	6.00	9.57	5.57	4.47	6.11	4.68*	3.45	1.79	5.41	9.40	8.41	7.00
SEPT	4.64	6.01	9.49	7.25	3.70	5.27	4.19*	3.60	4.01	5.44	10.78	5.12	7.00
OCT	4.94	5.95	9.72	7.11	4.74	3.99	4.00*	3.28	4.33	5.61	10.52	6.04	7.00
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: See Attachment 2A "Prior Period Amendment Effects" for details.

PRIOR PERIOD AMENDMENT EFFECTS

<u>NGL REFERENCE PRICES</u>	OCTOBER 1999		
	Propane	Butane	Pentanes
Price before amendments	145.39	161.51	204.99
Prior period amendments (PPA)*	0.00	0.00	0.00
Carry forward of PPA **	0.00	0.00	0.00
Less: PPA Carry forward to next BM ***	0.00	0.00	0.00
Published Reference Price	145.39	161.51	204.99

*Current Business Month ** Previous Business Month *** Business Month

<u>TRANSPORTATION ALLOWANCES</u>	OCTOBER 1999											
	Pentanes Plus				Propane and Butane				Pentanes Plus, Propane & Butane			
	Region 1	Region 2	Region 3	Region 4	Region 1	Region 2	Region 3	Region 4	Region 1	Region 2	Region 3	Region 4
Rate before amendments	4.94	5.95	9.72	7.11	4.74	3.99	4.00	3.28	4.33	5.61	10.52	6.04
Prior period amendments (PPA) *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Carry forward of PPA **	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Less: PPA Carry forward to next BM***	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Published Transportation Allowance	4.94	5.95	9.72	7.11	4.74	3.99	4.00	3.28	4.33	5.61	10.52	6.04

*Current Business Month ** Previous Business Month *** Business Month

**1999
ROYALTY RATES**

MONTH	GAS - OLD (GOL) (per GJ)	GAS – NEW (GNE) (per GJ)	PENTANES - OLD (POL) (per m ³)	PENTANES - NEW (PNE) (per m ³)
JAN	35.00000	26.70045	37.56429	29.22628
FEB	35.00000	25.52696	38.59773	29.70609
MAR	35.00000	24.46053	38.09038	29.47054
APR	35.00000	23.59722	40.54721	30.61120
MAY	35.00000	24.46053	41.95887	31.26662
JUN	35.00000	26.64027	42.04918	31.30855
JUL	35.00000	26.70045	42.07813	31.32199
AUG	35.00000	27.32833	43.09653	31.79482
SEPT	35.00000	28.64423	43.55748	32.00883
OCT	35.00000	29.67657	44.26718	32.33833
NOV				
DEC				

EUB FACILITY	FACILITY NAME	PREVIOUS OPERATOR NAME	PREVIOUS CLIENT ID	CURRENT OPERATOR NAME	CURRENT CLIENT ID	EFFECTIVE DATE
AB-GP-1201	AEC WEST MCLEOD	AMBER ENERGY INC.	0PN2	AEC WEST LTD.	0E21	1999-08
AB-GP-1407	DUE WEST JOFFRE	SUNCOR ENERGY INC.	0054	DUE WEST RESOURCES INC.	0YJ8	1999-08
AB-GP-1658	VENTUS RAINBOW LAKE	INUVALUIT ENERGY INC.	0TX8	VENTUS ENERGY LTD.	0WN5	1999-10
AB-GP-1748	RIO ALTO CROOKED LAKE PLANT	ALTAGAS SERVICES INC.	0TF9	RIO ALTO EXPLORATION LTD.	0BM8	1999-11
AB-GP-1754	MOXIE TWOG BOW ISLAND 9-5	CAMPION RESOURCES LTD.	0WD1	MOXIE PETROLEUM LTD.	0WY5	1999-09
AB-GP-1898	RENAISSANCE GOODLOW	NORTHSTAR ENERGY CORP.	0BK8	RENAISSANCE ENERGY LTD.	0BN9	1999-10
AB-GS-2337	LARIO CESSFORD	LARIO OIL & GAS COMPANY	0N50	LARIO OIL & GAS COMPANY	0TZ3	1998-05
AB-GS-2339	PRIMEWEST ETZIKOM	MEDICINE HAT, CITY OF	0150	PRIMEWEST ENERGY INC.	0N00	1999-10
AB-GS-2390	CNRL BELLIS	GREY WOLF EXPLORATION INC.	0TH6	CDN. NATURAL RESOURCES LTD.	0HE9	1999-09
AB-GS-2702	CNRL GRASSLAND	OLYMPIC RESOURCES LTD.	0XY3	CDN. NATURAL RESOURCES LTD.	0HE9	1999-09
AB-GS-2884	LARIO CHIP LAKE	LARIO OIL & GAS COMPANY	0N50	LARIO OIL & GAS COMPANY	0TZ3	1998-05
AB-GS-2949	CANADIAN HUNTER STERLING	PAN OIL RESOURCES LTD.	0KN5	CANADIAN HUNTER EXPLORATION LTD.	0N80	1999-08
AB-GS-3110	FOUNDERS CLIVE	OPAL ENERGY INC.	0TJ7	FOUNDERS ENERGY LTD.	0TH2	1999-05
AB-GS-3399	APACHE LEAHURST	BEST PACIFIC RESOURCES LTD.	0NZ8	APACHE CANADA LTD.	0JL8	1999-07
AB-GS-3509	CNRL CESSFORD	TUNDRA OIL & GAS LTD.	0AW7	CDN. NATURAL RESOURCES LTD.	0HE9	1999-08
AB-GS-3540	STAR BOUNDARY LAKE	PIONEER NATURAL RESOURCES CANADA	0DF3	STAR OIL & GAS LTD.	0346	1999-01
AB-GS-3808	APACHE FENN-BIG VALLEY	BEST PACIFIC RESOURCES LTD.	0NZ8	APACHE CANADA LTD.	0JL8	1999-07
AB-GS-4296	BONAVISTA KENT	BARRINGTON PETROLEUM LTD.	0HM7	BONAVISTA PETROLEUM LTD.	0MD6	1999-11
AB-GS-4366	PARAMOUNT ETHEL LAKE	BARRINGTON PETROLEUM LTD.	0HM7	PARAMOUNT RESOURCES LTD.	0AW4	1999-11
AB-GS-4373	PARAMOUNT LANE	BARRINGTON PETROLEUM LTD.	0HM7	PARAMOUNT RESOURCES LTD.	0AW4	1999-11
AB-GS-4391	IONIC BARRHEAD GGS	PROBE EXPLORATION INC.	0M66	IONIC ENERGY INC.	0WP2	1999-11

NEW PLANTS				
EUB FACILITY CODE	FACILITY NAME	TRANSPORTATION REGION	PLANT TYPE	PLANT TYPE EFFECTIVE DATE
1754	MOXIE TWOG BOW ISLAND GP	2	3	1999/11/01
4852	ROZSA ENCHANT 15-10-12-16 GGS	2	1	1999/11/01
4853	RIO ALTO CROOKED LAKE GGS	4	1	1999/11/01
4854	DUKE WEST DOE GGS	4	1	1999/12/01
4855	MURPHY 16-23-36-01 GGS	1	1	1999/11/01
4856	PACIFIC CASSIAR McINTYRE GGS	2	1	1999/11/01
4857	ULSTER LELAND SOUR GAS DEHYDR'TN STN/GGS	4	1	1999/12/01
4858	SYMMETRY ST.ANNE 10-33-054-05 GGS	1	1	1999/11/01
4859	BOUNDARY LAKE FLOW SPLITTER GGS	3	1	1999/12/01
4860	BOUNDARY LAKE 8-5 GGS	3	1	1999/12/01
4861	GENESIS STURGEON N GGS 9-29	4	1	1999/11/01
4862	ROSZA JST2 ENCHANT 1-16	2	1	1999/12/01

Form Edits

AC3 FORM: CAPITAL COSTS ALLOWANCE REALLOCATIONS

PART 1: IDENTIFICATION

<i>Fields to be completed</i>		<i>Form Edits</i>	<i>Results of incorrect field</i>
1.1	Province	- if not AB, BC, or SK	FORM REJECTED
	Facility type	- if not GP or GS	FORM REJECTED
	EUB facility code	- if the EUB facility is not tied to the Facility Cost Centre (field 1.2) - invalid facility ID	FORM REJECTED FORM REJECTED
1.2	Facility cost centre code	- invalid facility cost centre - if facility cost centre is ineffective for the entire production year to which the form relates - facility cost centre is "shut-in" (shut-in information stored with AC1)	FORM REJECTED FORM REJECTED FORM REJECTED
1.3	Description of facility cost centre code	- no edit checks (description is used from AC1)	
1.4	Client ID	- invalid client ID	FORM REJECTED
1.5	Client name	- no edit checks	
1.6	Production year	- if less than the 1994 production year	FORM REJECTED
		- if greater than the current production year	FORM REJECTED

Form Edits

AC3 FORM: CAPITAL COSTS ALLOWANCE REALLOCATIONS

PART 1: IDENTIFICATION

<i>Fields to be completed</i>	<i>Form Edits</i>	<i>Results of incorrect field</i>
1.7 Date prepared	- invalid date - if date prepared is less than the date prepared of the current version on file - if greater than current date	FORM REJECTED FORM REJECTED FORM REJECTED
1.8 Contact person	- no edit checks	ACCEPT AS ENTERED
1.9 Telephone	- no edit checks	ACCEPT AS ENTERED

PART 2: CAPITAL COST ALLOWANCE REALLOCATIONS

2.1 Client ID	- invalid client ID - if client ID is ineffective for the entire production year to which the form relates - if blank and corresponding 2.3 exists	FORM REJECTED FORM REJECTED FORM REJECTED
2.2 Client Name	- no edit checks	
2.3 Percentage of original allocation	- if less than zero or greater than 100 - if blank and corresponding 2.1 exists - sum of all 2.3 allocations is greater than 100% - client ID appears more than once in PART 2	FORM REJECTED FORM REJECTED FORM REJECTED FORM REJECTED

OUTSTANDING 1995 ALLOWABLE COST AUDITS

ID	OPERATOR	EUB CODE
0002	GULF CANADA	1004
0002	GULF CANADA	1013
0002	GULF CANADA	1097
0002	GULF CANADA	1219
0002	GULF CANADA	1413
0017	IMPERIAL OIL RESOURCES	1351
0017	IMPERIAL OIL RESOURCES	1353
0017	IMPERIAL OIL RESOURCES	1625
0026	PAN CANADIAN PETROLEUM	1003
0026	PAN CANADIAN PETROLEUM	1012
0026	PAN CANADIAN PETROLEUM	1043
0026	PAN CANADIAN PETROLEUM	1049
0026	PAN CANADIAN PETROLEUM	1076
0026	PAN CANADIAN PETROLEUM	1153
0026	PAN CANADIAN PETROLEUM	1177
0026	PAN CANADIAN PETROLEUM	1329
0026	PAN CANADIAN PETROLEUM	1520
0026	PAN CANADIAN PETROLEUM	1695
0026	PAN CANADIAN PETROLEUM	1856
0026	PAN CANADIAN PETROLEUM	1864
0026	PAN CANADIAN PETROLEUM	1888
0026	PAN CANADIAN PETROLEUM	2687
0026	PAN CANADIAN PETROLEUM	3031
0026	PAN CANADIAN PETROLEUM	3049
0026	PAN CANADIAN PETROLEUM	3119
0026	PAN CANADIAN PETROLEUM	4222
0026	PAN CANADIAN PETROLEUM	4359
0031	UNION PACIFIC	1506
0031	UNION PACIFIC	1585
0031	UNION PACIFIC	1609
0039	TALISMAN ENERGY	1084
0039	TALISMAN ENERGY	1141
0039	TALISMAN ENERGY	1084
0045	CHEVRON CANADA	1113
0045	CHEVRON CANADA	1144
0045	CHEVRON CANADA	1402
0045	CHEVRON CANADA	1868
0196	DORSET EXPLORATION	1883
0226	CANADIAN OCCIDENTAL	1050
0246	PETRO CANADA	1129
0346	STAR OIL & GAS	1172
0AD1	KERR MCGEE	1004
0AH9	ALTANA	3893
0AJ1	TRI - LINK RESOURCES	1583
0AL1	CIMARRON PETROLEUM	1456
0AL1	CIMARRON PETROLEUM	1171
0AL1	CIMARRON PETROLEUM	4217
0AL1	CIMARRON PETROLEUM	4298
0AL2	MARATHON OIL	1578
0AW4	PARAMOUNT RESOURCES	1461
0AW4	PARAMOUNT RESOURCES	1692
0AW4	PARAMOUNT RESOURCES	4408
0BK8	NORTHSTAR ENERGY	1191
0BK8	NORTHSTAR ENERGY	1661

OUTSTANDING 1995 ALLOWABLE COST AUDITS

ID	OPERATOR	EUB CODE
0BK8	NORTHSTAR ENERGY	1877
0BK8	NORTHSTAR ENERGY	4083
0BK8	NORTHSTAR ENERGY	4254
0BK8	NORTHSTAR ENERGY	4381
0BL1	POCO PETROLEUMS	1108
0BL1	POCO PETROLEUMS	1507
0BL1	POCO PETROLEUMS	1510
0BL1	POCO PETROLEUMS	1522
0BL1	POCO PETROLEUMS	1646
0BL1	POCO PETROLEUMS	1669
0BM8	RIO ALTO EXPLORATION	3767
0BM8	RIO ALTO EXPLORATION	4265
0BM8	RIO ALTO EXPLORATION	4377
0BN9	RENAISSANCE ENERGY	2562
0BN9	RENAISSANCE ENERGY	1466
0BN9	RENAISSANCE ENERGY	1573
0BN9	RENAISSANCE ENERGY	2434
0BN9	RENAISSANCE ENERGY	2562
0BN9	RENAISSANCE ENERGY	2644
0BN9	RENAISSANCE ENERGY	4131
0BN9	RENAISSANCE ENERGY	4325
0BP7	CABRE EXPLORATION	4389
0BP8	PENN WEST PETROLEUM	4380
0BP8	PENN WEST PETROLEUM	4432
0DN4	BRIGDON RESOURCES	3610
0E21	AEC WEST	1147
0E21	AEC WEST	1892
0E21	AEC WEST	1892
0E21	AEC WEST	4281
0E21	AEC WEST	4281
0E21	AEC WEST	4440
0E21	AEC WEST	4441
0FB4	ACANTHUS RESOURCES	1020
0FM5	CONOCO CANADA	1392
0FT6	AZTEC RESOURCES	1004
0HM7	BARRINGTON PETROLEUM	2562
0HM7	BARRINGTON PETROLEUM	2734
0HM7	BARRINGTON PETROLEUM	4275
0JJ2	NORTHRIDGE EXPLORATION	1437
0JK4	UNOCAL CANADA	1855
0JT1	MOBIL OIL	1060
0JT1	MOBIL OIL	1107
0JT1	MOBIL OIL	1144
0JT3	WASCANA ENERGY	2895
0JT3	WASCANA ENERGY	4114
0JT3	WASCANA ENERGY	4385
0KT5	CANADIAN 88 ENERGY	1021
0LC4	PARAGON PETROLEUMS	1819
0LO6	SUMMIT RESOURCES	1668
0LR8	ENCAL ENERGY	1004
0MG5	FLETCHER CHALLENGE	1232
0MK1	DOMINION ENERGY	4407
0N72	SCEPTRE RESOURCES	1600
0N80	CANADIAN HUNTER EXO	1042

OUTSTANDING 1995 ALLOWABLE COST AUDITS

ID	OPERATOR	EUB CODE
0NL2	CRESTAR ENERGY	1244
0NL2	CRESTAR ENERGY	1535
0NY4	PEMBINA ENERGY	1034
0PE3	ATCO GAS MIDSTREAM	1547
0PE3	ATCO GAS MIDSTREAM	3914
0PF8	NEWPORT PETROLEUM	4204
0PN2	AMBER ENERGY	4388
0PX8	LIONHEART	1534
0R61	ALBERTA ENERGY CO	1520
0R61	ALBERTA ENERGY CO	2627
0R61	ALBERTA ENERGY CO	3704
0R61	ALBERTA ENERGY CO	4205
0R89	SIGNALTA RESOURCES	1057
0RK2	GRAD & WALKER	4426
0RL1	ELK POINT RESOURCES	4365
0RL9	BAYTEX ENERGY	1221
0T15	CANADIAN CONQUEST	1348
0TA4	NOVA GAS	1878
0TP5	TRI GAS EXPLORATION	2765

**1995 Audits in Progress
List of Wells/Batteries**

Production Month	Battery Id	Operator Id	Well Id
Jan-95	AB-BT-0044209	0BN9	100113600917W402
Jan-95	AB-BT-0044209	0BN9	102103600917W402
Jan-95	AB-BT-0044952	0P54	1C2123604011W400
Jan-95	AB-BT-0044952	0P54	1C3103604011W400
Jan-95	AB-BT-0046688	0246	102072205910W500
Jan-95	AB-BT-0047509	0AB3	102131103507W402
Jan-95	AB-BT-0047659	0BK8	100091604128W400
Jan-95	AB-BT-0048342	0HJ1	100082406525W500
Jan-95	AB-BT-0048342	0HJ1	100082406525W502
Jan-95	AB-BT-0048743	0PJ2	1W0052501016W400
Jan-95	AB-BT-0049819	0BN9	100100202209W400
Jan-95	AB-BT-0050020	0DA4	100141003409W400
Jan-95	AB-BT-0050231	0026	100021302115W400
Jan-95	AB-BT-0050286	0NH4	100153003224W400
Jan-95	AB-BT-0050322	0BN9	102040101017W403
Jan-95	AB-BT-0050326	0BN9	102100600716W400
Jan-95	AB-BT-0050343	0NL2	102103202008W402
Jan-95	AB-BT-0050373	0DF3	100033005212W502
Jan-95	AB-BT-0050582	0060	100083103308W500
Jan-95	AB-BT-1150014	0246	103112104112W400
Jan-95	AB-BT-1330507	0005	103040606704W402
Jan-95	AB-BT-2240034	0K16	100130504124W400
Jan-95	AB-BT-2240034	0K16	102153503924W400
Jan-95	AB-BT-5000066	0NL2	103070702108W400
Jan-95	AB-BT-5140015	0045	100083205918W502
Jan-95	AB-BT-5140015	0045	100093205918W502
Jan-95	AB-BT-5710134	0HE9	102130504902W400
Jan-95	AB-BT-6050001	0002	100131906615W502
Jan-95	AB-BT-6850935	0EX4	100030104805W502
Jan-95	AB-BT-7460001	0T03	100020609711W600
Jan-95	AB-BT-7460001	0T03	100033309611W600
Jan-95	AB-BT-7460001	0T03	100101009612W600
Jan-95	AB-BT-7460001	0T03	100110409612W600
Jan-95	AB-BT-7460001	0T03	102102909611W600
Jan-95	AB-BT-7500259	0R63	114012204008W400
Jan-95	AB-BT-7500528	0BN9	1B0161604007W400
Jan-95	AB-BT-7500528	0BN9	1B3112104007W400
Jan-95	AB-BT-7501026	0L53	1C2031503803W400
Jan-95	AB-BT-7690013	0KR3	100031306308W600
Jan-95	AB-BT-7920046	0N72	102050101313W402
Jan-95	AB-BT-8560001	0045	100050607017W502
Jan-95	AB-BT-8770005	0R61	116113401908W400
Jan-95	AB-BT-8770007	0R61	104102701908W400
Jan-95	AB-BT-8770178	0BN9	1B2012102008W400
Jan-95	AB-BT-9970007	0L27	100142411704W602
Feb-95	AB-BT-0044209	0BN9	100090101017W402
Feb-95	AB-BT-0044209	0BN9	100113600917W402
Feb-95	AB-BT-0044209	0BN9	102080101017W402
Feb-95	AB-BT-0044209	0BN9	102103600917W402
Feb-95	AB-BT-0044952	0P54	1C2123604011W400
Feb-95	AB-BT-0044952	0P54	1C3103604011W400

**1995 Audits in Progress
List of Wells/Batteries**

Production Month	Battery Id	Operator Id	Well Id
Feb-95	AB-BT-0047509	0AB3	102131103507W402
Feb-95	AB-BT-0047574	0026	102133504011W400
Feb-95	AB-BT-0047659	0BK8	100091604128W400
Feb-95	AB-BT-0049819	0BN9	100100202209W400
Feb-95	AB-BT-0050231	0026	100021302115W400
Feb-95	AB-BT-0050286	0NH4	100153003224W400
Feb-95	AB-BT-0050326	0BN9	102100600716W400
Feb-95	AB-BT-0050565	0DA4	100141003409W400
Feb-95	AB-BT-0050582	0060	100083103308W500
Feb-95	AB-BT-0050603	0026	102063605504W400
Feb-95	AB-BT-0050633	0DA4	100022303819W400
Feb-95	AB-BT-0050713	0026	102090802323W402
Feb-95	AB-BT-0050813	0N89	100020106715W502
Feb-95	AB-BT-0050824	0BN9	104132000916W400
Feb-95	AB-BT-1150014	0246	103112104112W400
Feb-95	AB-BT-1330507	0005	103040606704W402
Feb-95	AB-BT-2240034	0K16	100130504124W400
Feb-95	AB-BT-2240034	0K16	102153503924W400
Feb-95	AB-BT-4500020	0JT1	100103203104W502
Feb-95	AB-BT-4650001	0PB2	100091106120W402
Feb-95	AB-BT-5000066	0NL2	103070702108W400
Feb-95	AB-BT-5140015	0045	100083205918W502
Feb-95	AB-BT-5140015	0045	100093205918W502
Feb-95	AB-BT-5710134	0HE9	102130504902W400
Feb-95	AB-BT-6050001	0002	100131906615W502
Feb-95	AB-BT-7460001	0T03	100020609711W600
Feb-95	AB-BT-7460001	0T03	100033309611W600
Feb-95	AB-BT-7460001	0T03	100101009612W600
Feb-95	AB-BT-7460001	0T03	100110409612W600
Feb-95	AB-BT-7460001	0T03	102102909611W600
Feb-95	AB-BT-7500259	0R63	114012204008W400
Feb-95	AB-BT-7500528	0BN9	1A0142704007W402
Feb-95	AB-BT-7500528	0BN9	1B0161604007W400
Feb-95	AB-BT-7500528	0BN9	1B3112104007W400
Feb-95	AB-BT-7501026	0L53	1C2031503803W400
Feb-95	AB-BT-7920046	0N72	102050101313W402
Feb-95	AB-BT-8560001	0045	100050607017W502
Feb-95	AB-BT-8720002	0026	100102802425W400
Feb-95	AB-BT-8770005	0R61	116113401908W400
Feb-95	AB-BT-9530002	0060	100110806711W600
Feb-95	AB-BT-9970007	0L27	100142411704W602
Mar-95	AB-BT-0044209	0BN9	100090101017W402
Mar-95	AB-BT-0044209	0BN9	100113600917W402
Mar-95	AB-BT-0044209	0BN9	102080101017W402
Mar-95	AB-BT-0044209	0BN9	102103600917W402
Mar-95	AB-BT-0044528	0BK8	105030804112W400
Mar-95	AB-BT-0044952	0P54	1C0153404011W400
Mar-95	AB-BT-0044952	0P54	1C2123604011W400
Mar-95	AB-BT-0044952	0P54	1C3103604011W400
Mar-95	AB-BT-0045325	0031	102122105506W400
Mar-95	AB-BT-0047509	0AB3	102131103507W402

**1995 Audits in Progress
List of Wells/Batteries**

Production Month	Battery Id	Operator Id	Well Id
Mar-95	AB-BT-0047574	0026	102133504011W400
Mar-95	AB-BT-0047659	0BK8	100091604128W400
Mar-95	AB-BT-0048873	0HK8	100112707619W400
Mar-95	AB-BT-0049819	0BN9	100100202209W400
Mar-95	AB-BT-0050231	0026	100021302115W400
Mar-95	AB-BT-0050326	0BN9	102100600716W400
Mar-95	AB-BT-0050439	0TD8	1D0073205001W400
Mar-95	AB-BT-0050489	0KY3	1W0042205602W400
Mar-95	AB-BT-0050603	0026	102063605504W400
Mar-95	AB-BT-0050633	0DA4	100022303819W400
Mar-95	AB-BT-0050748	0026	102141301816W402
Mar-95	AB-BT-0050805	0HM7	100063106604W400
Mar-95	AB-BT-0050813	0N89	100020106715W502
Mar-95	AB-BT-0050824	0BN9	104132000916W400
Mar-95	AB-BT-0050825	0HJ1	102042600505W400
Mar-95	AB-BT-0050838	0BN9	100042102007W402
Mar-95	AB-BT-1150014	0246	103112104112W400
Mar-95	AB-BT-1330526	0060	100050606704W402
Mar-95	AB-BT-1330526	0060	103040606704W402
Mar-95	AB-BT-2240034	0K16	100130504124W400
Mar-95	AB-BT-2240034	0K16	102153503924W400
Mar-95	AB-BT-4050240	0002	100020303605W500
Mar-95	AB-BT-4050240	0002	100060703604W500
Mar-95	AB-BT-4050240	0002	100091603605W502
Mar-95	AB-BT-4050240	0002	100100703603W502
Mar-95	AB-BT-4050240	0002	100142203504W500
Mar-95	AB-BT-4050240	0002	100161003504W500
Mar-95	AB-BT-4050240	0002	100161703605W500
Mar-95	AB-BT-4570073	0BN9	1C0062004101W400
Mar-95	AB-BT-5000066	0NL2	103070702108W400
Mar-95	AB-BT-5140015	0045	100083205918W502
Mar-95	AB-BT-5140015	0045	100093205918W502
Mar-95	AB-BT-5710134	0HE9	102130504902W400
Mar-95	AB-BT-6050001	0002	100131906615W502
Mar-95	AB-BT-6190086	0226	100122705104W400
Mar-95	AB-BT-6190086	0226	102060405204W400
Mar-95	AB-BT-6190086	0226	103080405204W400
Mar-95	AB-BT-7060032	0060	100071705719W500
Mar-95	AB-BT-7440056	0N72	100163102011W400
Mar-95	AB-BT-7500259	0R63	114012204008W400
Mar-95	AB-BT-7500528	0BN9	1A0142704007W402
Mar-95	AB-BT-7500528	0BN9	1B0161604007W400
Mar-95	AB-BT-7500528	0BN9	1B3112104007W400
Mar-95	AB-BT-7501026	0L53	1C2031503803W400
Mar-95	AB-BT-7850040	0001	100060703307W500
Mar-95	AB-BT-7850040	0001	100060703307W502
Mar-95	AB-BT-8560001	0045	100050607017W502
Mar-95	AB-BT-8720002	0026	100102802425W400
Mar-95	AB-BT-8770005	0R61	116113401908W400
Mar-95	AB-BT-8870128	0T03	100113306909W502
Mar-95	AB-BT-8870128	0T03	100123306909W502

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Production Month	Battery Id	Operator Id	Well Id
Mar-95	AB-BT-9120008	OR61	100112406812W402
Mar-95	AB-BT-9130073	ONH4	100153003224W400
Mar-95	AB-BT-9430007	0031	100033304402W500
Mar-95	AB-BT-9530002	0060	100110806711W600
Mar-95	AB-BT-9970007	0L27	100142411704W602
Apr-95	AB-BT-0041960	0BN9	1A4032904101W402
Apr-95	AB-BT-0041960	0BN9	1D4032904101W402
Apr-95	AB-BT-0044209	0BN9	100090101017W402
Apr-95	AB-BT-0044209	0BN9	100113600917W402
Apr-95	AB-BT-0044209	0BN9	102080101017W402
Apr-95	AB-BT-0044209	0BN9	102103600917W402
Apr-95	AB-BT-0045325	0031	102122105506W400
Apr-95	AB-BT-0047509	0AB3	102131103507W402
Apr-95	AB-BT-0047574	0026	102133504011W400
Apr-95	AB-BT-0048027	0BN9	102100600716W400
Apr-95	AB-BT-0048873	0HK8	100112707619W400
Apr-95	AB-BT-0049819	0BN9	100100202209W400
Apr-95	AB-BT-0050231	0026	100021302115W400
Apr-95	AB-BT-0050439	0TD8	1D0073205001W400
Apr-95	AB-BT-0050489	0KY3	1W0042205602W400
Apr-95	AB-BT-0050748	0026	102141301816W402
Apr-95	AB-BT-0050923	0246	100033208110W502
Apr-95	AB-BT-0051019	0002	100060703604W500
Apr-95	AB-BT-0052700	0026	102091402821W400
Apr-95	AB-BT-1150014	0246	103112104112W400
Apr-95	AB-BT-1330526	0060	100050606704W402
Apr-95	AB-BT-1330526	0060	103040606704W402
Apr-95	AB-BT-4300038	0P54	102010201213W400
Apr-95	AB-BT-4570073	0BN9	1C0062004101W400
Apr-95	AB-BT-5000066	0NL2	103070702108W400
Apr-95	AB-BT-5120001	0T03	100033102405W500
Apr-95	AB-BT-5140015	0045	100083205918W502
Apr-95	AB-BT-5140015	0045	100093205918W502
Apr-95	AB-BT-6050001	0002	100131906615W502
Apr-95	AB-BT-6190086	0226	102060405204W400
Apr-95	AB-BT-6190086	0226	103080405204W400
Apr-95	AB-BT-7060032	0060	100071705719W500
Apr-95	AB-BT-7500259	0R63	114012204008W400
Apr-95	AB-BT-7500528	0BN9	1A0142704007W402
Apr-95	AB-BT-7850040	0001	100060703307W500
Apr-95	AB-BT-7850040	0001	100060703307W502
Apr-95	AB-BT-8350030	0R46	100161511807W602
Apr-95	AB-BT-8720002	0026	100102802425W400
Apr-95	AB-BT-8770005	0R61	116113401908W400
Apr-95	AB-BT-8870128	0T03	100113306909W502
Apr-95	AB-BT-8870128	0T03	100123306909W502
Apr-95	AB-BT-9120008	0R61	100112406812W402
Apr-95	AB-BT-9130073	0NH4	100153003224W400
Apr-95	AB-BT-9260001	0002	100161411406W602
Apr-95	AB-BT-9530002	0060	100110806711W600
May-95	AB-BT-0041960	0BN9	1A4032904101W402

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Production Month	Battery Id	Operator Id	Well Id
May-95	AB-BT-0041960	0BN9	1D4032904101W402
May-95	AB-BT-0044209	0BN9	100090101017W402
May-95	AB-BT-0044209	0BN9	100113600917W402
May-95	AB-BT-0044209	0BN9	102080101017W402
May-95	AB-BT-0044209	0BN9	102103600917W402
May-95	AB-BT-0045171	0RY5	102033201316W400
May-95	AB-BT-0045231	0026	100030904123W402
May-95	AB-BT-0047509	0AB3	102131103507W402
May-95	AB-BT-0048027	0BN9	104103000716W400
May-95	AB-BT-0050748	0026	102141301816W402
May-95	AB-BT-4120125	0AJ1	100131704104W500
May-95	AB-BT-5140015	0045	100083205918W502
May-95	AB-BT-5140015	0045	100093205918W502
May-95	AB-BT-7500528	0BN9	106092004007W400
May-95	AB-BT-7500528	0BN9	1A0142704007W402
May-95	AB-BT-8350030	0R46	100161511807W602
May-95	AB-BT-8870091	0TB7	100070406810W502
May-95	AB-BT-8930034	0BN9	1W0132500917W402
Jun-95	AB-BT-0041960	0BN9	1A4032904101W402
Jun-95	AB-BT-0041960	0BN9	1D4032904101W402
Jun-95	AB-BT-0044209	0BN9	100090101017W402
Jun-95	AB-BT-0044209	0BN9	100113600917W402
Jun-95	AB-BT-0044209	0BN9	102080101017W402
Jun-95	AB-BT-0044209	0BN9	102103600917W402
Jun-95	AB-BT-0045231	0026	100030904123W402
Jun-95	AB-BT-0050367	0BN9	104102400817W400
Jun-95	AB-BT-0051145	0HK8	100100803908W403
Jun-95	AB-BT-0051277	0BN9	102121400817W402
Jun-95	AB-BT-5000004	0NL2	102102902008W400
Jun-95	AB-BT-5140015	0045	100083205918W502
Jun-95	AB-BT-5140015	0045	100093205918W502
Jun-95	AB-BT-6090002	0346	100020303723W400
Jun-95	AB-BT-6090002	0346	100060503723W400
Jun-95	AB-BT-6090002	0346	100061503723W400
Jun-95	AB-BT-7500528	0BN9	106092004007W400
Jun-95	AB-BT-7500528	0BN9	1A0142704007W402
Jun-95	AB-BT-8350030	0R46	100161511807W602
Jun-95	AB-BT-8870091	0TB7	100070406810W502
Jun-95	AB-BT-9980123	0LJ4	100103000823W400
Jul-95	AB-BT-0041960	0BN9	1A4032904101W402
Jul-95	AB-BT-0041960	0BN9	1D4032904101W402
Jul-95	AB-BT-0044209	0BN9	100090101017W402
Jul-95	AB-BT-0044209	0BN9	100113600917W402
Jul-95	AB-BT-0044209	0BN9	102080101017W402
Jul-95	AB-BT-0044209	0BN9	102103600917W402
Jul-95	AB-BT-0044809	0MG5	1A0082604001W402
Jul-95	AB-BT-0045171	0RY5	102012901316W400
Jul-95	AB-BT-0045231	0026	100030904123W402
Jul-95	AB-BT-0049044	0BN9	103091403902W400
Jul-95	AB-BT-0049044	0BN9	103101403902W400
Jul-95	AB-BT-0050439	0TD8	1D0073205001W400

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Production Month	Battery Id	Operator Id	Well Id
Jul-95	AB-BT-0050980	OPN2	100062307925W400
Jul-95	AB-BT-0051245	0BN9	102112400817W400
Jul-95	AB-BT-0053999	0NL2	100012302108W400
Jul-95	AB-BT-5140015	0045	100083205918W502
Jul-95	AB-BT-5140015	0045	100093205918W502
Jul-95	AB-BT-5930011	0P34	100030304422W400
Jul-95	AB-BT-8350030	0R46	100161511807W602
Jul-95	AB-BT-8770178	0BN9	1D3122102008W402
Jul-95	AB-BT-9250019	0T03	102100606413W502
Aug-95	AB-BT-0041960	0BN9	1A4032904101W402
Aug-95	AB-BT-0044209	0BN9	100113600917W402
Aug-95	AB-BT-0044209	0BN9	102103600917W402
Aug-95	AB-BT-0044209	0BN9	104020101017W400
Aug-95	AB-BT-0044209	0BN9	104140101017W400
Aug-95	AB-BT-0044809	0MG5	1A0082604001W402
Aug-95	AB-BT-0045171	0RY5	102012901316W400
Aug-95	AB-BT-0045171	0RY5	102013101316W400
Aug-95	AB-BT-0050439	0TD8	1D0073205001W400
Aug-95	AB-BT-0050607	0HM7	100030706602W400
Aug-95	AB-BT-0050607	0HM7	100042706602W400
Aug-95	AB-BT-0050872	0226	102060405204W400
Aug-95	AB-BT-0050872	0226	103080405204W400
Aug-95	AB-BT-0050980	OPN2	100062307925W400
Aug-95	AB-BT-0051620	0026	105080404103W400
Aug-95	AB-BT-0051629	0026	102040702114W400
Aug-95	AB-BT-1330492	0017	109133606404W400
Aug-95	AB-BT-1330492	0017	110163506404W400
Aug-95	AB-BT-5140015	0045	100083205918W502
Aug-95	AB-BT-5140015	0045	100093205918W502
Aug-95	AB-BT-7500528	0BN9	1D0162004007W400
Aug-95	AB-BT-7501062	0026	1A0142304003W400
Aug-95	AB-BT-7770014	0BN9	100071203422W400
Aug-95	AB-BT-8350030	0R46	100161511807W602
Aug-95	AB-BT-8770178	0BN9	1D3122102008W402
Aug-95	AB-BT-8870128	0T03	100113306909W502
Aug-95	AB-BT-8930034	0BN9	1C0152600917W403
Aug-95	AB-BT-9130001	0MY7	100122803224W400
Sep-95	AB-BT-0044209	0BN9	100113600917W402
Sep-95	AB-BT-0044209	0BN9	102020101017W400
Sep-95	AB-BT-0044209	0BN9	102103600917W402
Sep-95	AB-BT-0044209	0BN9	104020101017W400
Sep-95	AB-BT-0044809	0MG5	1A0082604001W402
Sep-95	AB-BT-0050607	0HM7	100030706602W400
Sep-95	AB-BT-0050607	0HM7	100042706602W400
Sep-95	AB-BT-0050872	0226	102060405204W400
Sep-95	AB-BT-0050872	0226	103080405204W400
Sep-95	AB-BT-0050980	OPN2	100062307925W400
Sep-95	AB-BT-0051349	0060	100052608022W400
Sep-95	AB-BT-0051620	0026	105080404103W400
Sep-95	AB-BT-0051755	0002	100131309302W502
Sep-95	AB-BT-0051755	0002	1W0131309302W502

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Production Month	Battery Id	Operator Id	Well Id
Sep-95	AB-BT-0051781	0096	100073408211W602
Sep-95	AB-BT-0051832	0BN9	1D3132704001W400
Sep-95	AB-BT-1330492	0017	109133606404W400
Sep-95	AB-BT-1330492	0017	110163506404W400
Sep-95	AB-BT-4860006	0R46	102070202521W400
Sep-95	AB-BT-5000066	0NL2	105090702108W400
Sep-95	AB-BT-5140015	0045	100083205918W502
Sep-95	AB-BT-5140015	0045	100093205918W502
Sep-95	AB-BT-8350030	0R46	100161511807W602
Sep-95	AB-BT-8870128	0T03	100113306909W502
Sep-95	AB-BT-9130001	0MY7	100122803224W400
Oct-95	AB-BT-0044809	0MG5	1A0082604001W402
Oct-95	AB-BT-0045171	0RY5	102032901316W400
Oct-95	AB-BT-0051755	0002	100131309302W502
Oct-95	AB-BT-0051755	0002	1W0131309302W502
Oct-95	AB-BT-0051803	0002	100032911704W603
Oct-95	AB-BT-0052142	0054	100070804908W502
Oct-95	AB-BT-0052150	0N72	103091301214W400
Oct-95	AB-BT-0052700	0026	100160200918W402
Oct-95	AB-BT-1330492	0017	109133606404W400
Oct-95	AB-BT-1330492	0017	110163506404W400
Oct-95	AB-BT-5000066	0NL2	105090702108W400
Oct-95	AB-BT-5140015	0045	100083205918W502
Oct-95	AB-BT-5140015	0045	100093205918W502
Oct-95	AB-BT-7500532	0M53	100073104011W400
Oct-95	AB-BT-7530002	0R46	102113210709W603
Oct-95	AB-BT-8350030	0R46	100161511807W602
Oct-95	AB-BT-8770005	0R61	102021602008W403
Oct-95	AB-BT-8870128	0T03	100113306909W502
Oct-95	AB-BT-8930007	0BN9	1D0162600917W402
Nov-95	AB-BT-0044809	0MG5	1A0082604001W402
Nov-95	AB-BT-0045171	0RY5	102032901316W400
Nov-95	AB-BT-0050367	0BN9	102112400817W400
Nov-95	AB-BT-0051755	0002	1W0131309302W502
Nov-95	AB-BT-0052142	0054	100070804908W502
Nov-95	AB-BT-0052150	0N72	103091301214W400
Nov-95	AB-BT-0052268	0BN9	100112002007W400
Nov-95	AB-BT-1330492	0017	109133606404W400
Nov-95	AB-BT-1330492	0017	110163506404W400
Nov-95	AB-BT-5000066	0NL2	105090702108W400
Nov-95	AB-BT-6790002	0P49	100040601426W402
Nov-95	AB-BT-7530002	0R46	102113210709W603
Nov-95	AB-BT-8340031	0002	100011409302W502
Nov-95	AB-BT-8340031	0002	100131309302W502
Nov-95	AB-BT-8350030	0R46	100161511807W602
Nov-95	AB-BT-8770005	0R61	102021602008W403
Nov-95	AB-BT-8870128	0T03	100113306909W502
Nov-95	AB-BT-8930007	0BN9	1D0162600917W402
Nov-95	AB-BT-9250014	0T03	100101606413W502
Dec-95	AB-BT-0040517	0K29	100101004605W400
Dec-95	AB-BT-0041204	0NH1	100082405105W500

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Production Month	Battery Id	Operator Id	Well Id
Dec-95	AB-BT-0043596	ONL2	100091500917W400
Dec-95	AB-BT-0043596	ONL2	102012200917W400
Dec-95	AB-BT-0044809	OMG5	1A0082604001W402
Dec-95	AB-BT-0045171	ORY5	102032901316W400
Dec-95	AB-BT-0045407	OJD4	100023506205W600
Dec-95	AB-BT-0045407	OJD4	100033606205W600
Dec-95	AB-BT-0045407	OJD4	100062406205W603
Dec-95	AB-BT-0046141	OJC4	100111805604W500
Dec-95	AB-BT-0046185	OJE6	102061208813W603
Dec-95	AB-BT-0049578	OJE6	100063004024W400
Dec-95	AB-BT-0050607	OHM7	100030706602W400
Dec-95	AB-BT-0050607	OHM7	100042706602W400
Dec-95	AB-BT-0051518	OK13	100053606918W402
Dec-95	AB-BT-0051796	OKP2	100113104023W400
Dec-95	AB-BT-0052142	0054	100070804908W502
Dec-95	AB-BT-0052150	ON72	103091301214W400
Dec-95	AB-BT-0052358	0BN9	100141300817W400
Dec-95	AB-BT-0052493	OMG5	100053203903W402
Dec-95	AB-BT-1070003	OK72	100153308702W600
Dec-95	AB-BT-1070003	OK72	100153308702W604
Dec-95	AB-BT-1330492	0017	109133606404W400
Dec-95	AB-BT-1330492	0017	110163506404W400
Dec-95	AB-BT-1940073	OJJ2	100060303306W500
Dec-95	AB-BT-2490013	0LZ3	100033103301W400
Dec-95	AB-BT-2490013	0LZ3	100033103301W403
Dec-95	AB-BT-2690036	OMG8	100083002828W400
Dec-95	AB-BT-2690039	OMG8	100163002828W400
Dec-95	AB-BT-2690040	OMG8	100142002828W400
Dec-95	AB-BT-2850002	0L06	100063503218W400
Dec-95	AB-BT-3210063	OKW6	100163303828W400
Dec-95	AB-BT-4210002	0017	102092305127W402
Dec-95	AB-BT-4480073	0L27	100080403303W500
Dec-95	AB-BT-5000066	ONL2	105090702108W400
Dec-95	AB-BT-5760005	OJT1	100040103129W400
Dec-95	AB-BT-5760005	OJT1	100062602928W400
Dec-95	AB-BT-5760005	OJT1	100063502928W400
Dec-95	AB-BT-5760005	OJT1	100071702928W400
Dec-95	AB-BT-5760005	OJT1	100072802928W400
Dec-95	AB-BT-5760005	OJT1	100073302928W400
Dec-95	AB-BT-5760005	OJT1	100073503029W400
Dec-95	AB-BT-5760005	OJT1	100100502928W400
Dec-95	AB-BT-5760005	OJT1	100100702928W400
Dec-95	AB-BT-5760005	OJT1	100100802928W400
Dec-95	AB-BT-5760005	OJT1	100101503029W400
Dec-95	AB-BT-5760005	OJT1	100111602928W400
Dec-95	AB-BT-5760005	OJT1	100112503029W400
Dec-95	AB-BT-5760005	OJT1	100112702928W400
Dec-95	AB-BT-5760005	OJT1	102072002928W400
Dec-95	AB-BT-5760005	OJT1	102112702928W400
Dec-95	AB-BT-6010400	OMY7	100130701305W402
Dec-95	AB-BT-6040170	OKT5	100080403901W500

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Production Month	Battery Id	Operator Id	Well Id
Dec-95	AB-BT-6410004	0HE9	100103604422W403
Dec-95	AB-BT-6440062	0ND5	100010807908W502
Dec-95	AB-BT-6790002	0035	100040601426W402
Dec-95	AB-BT-6940029	0KT5	100081103628W400
Dec-95	AB-BT-6940029	0KT5	100081103628W403
Dec-95	AB-BT-7530002	0R46	102113210709W603
Dec-95	AB-BT-7870001	0HE9	100083604701W402
Dec-95	AB-BT-8340031	0002	100011409302W502
Dec-95	AB-BT-8340031	0002	100131309302W502
Dec-95	AB-BT-8340031	0002	1W0131309302W502
Dec-95	AB-BT-8350030	0R46	100161511807W602
Dec-95	AB-BT-8770005	0R61	102021602008W403
Dec-95	AB-BT-8870091	0TB7	100070406810W502
Dec-95	AB-BT-8870128	0T03	100113306909W502
Dec-95	AB-BT-8870204	0JT3	100102606909W500
Dec-95	AB-BT-8930007	0BN9	1D0162600917W402
Dec-95	AB-BT-9130002	0MY7	100150803224W400
Dec-95	AB-BT-9130050	0MY7	100032703124W400
Dec-95	AB-BT-9130050	0MY7	100072103124W400
Dec-95	AB-BT-9200131	0JT3	100062407608W600
Dec-95	AB-BT-9200131	0JT3	100082407608W600
Dec-95	AB-BT-9200131	0JT3	100141807607W600
Dec-95	AB-BT-9200131	0JT3	100161807607W600
Dec-95	AB-BT-9250022	0LB6	100042906512W500
Dec-95	AB-BT-9250022	0LB6	100102006512W500
Dec-95	AB-BT-9310002	0T03	100142600402W502