

Oil Forecast Tool (OFT) Enhancement -Remove a well from Royalty Program

| Jurisdiction | Release/Revision Date | Location of Change in this Document | Comment |
|--------------|--------------------------|-------------------------------------|-----------------|
| AB | September 20, 2022 | | Initial Release |

Audience: All Alberta Petrinex Oil Forecast Tool Users

Purpose: To inform Industry of an enhancement to the Oil Forecast Tool functions in Petrinex effective September 8, 2022. This enhancement will allow users to set an override flag on a well that is on a royalty program.

Background: When initially creating the oil forecast, the Edit Oil Forecast functions identifies when a well is on a royalty program (i.e. C*). Based on operational knowledge the operator of the facility (well) may know that the royalty program has or will expire earlier than Petrinex calculated, however Industry did not have the ability to update Petrinex that the program should be ended.

An enhancement has been made to Petrinex to allow the operator of a facility (well) to set an override flag on the Edit Oil Forecast screen by selecting the appropriate forecast month and filtering on the Benefit program section to select Y (Yes) or E (Expiring).

Process: See the screen prints below for an example of the following process steps.

- 1. On the Edit Oil Forecast screen input the forecast month and click Go. All batteries and the total current oil forecast will be displayed.
- 2. Using the Benefit Program filter at this battery level, find the corresponding batteries that have been set to "Y" or "E".
- 3. Select the appropriate battery (click the + sign, or the highlighted battery hyperlink) to display all the wells linked to that battery.
- 4. Using the Benefit Program filter at this well level, find the corresponding wells that have been set to "Y" or "E".
- 5. For information regarding the well ID, click on the hyperlink to display the rate that is currently being used. If the forecast volumes are too low indicating that the program will expire earlier than Petrinex anticipated, you can override the benefit program on that well. Click Cancel to return to the Edit Oil Forecast (Well level) screen.
- 6. Check the selection box for the well you wish to enter the Benefit Program Override, which will display a "Calculate" button under status on the battery row.
- 7. Click the "Calculate" button. After the calculation, "Pending" will display under Status on the well row.
- 8. Click Submit.
- 9. Repeat this with all the wells that require the override.
- 10. Once you have made all the overrides. Go to Submit report requests and request the Oil Forecast Oil Forecast Gross & Crown report.



The following rules apply to the setting of this override flag.

- The override change can only be made once in a month from E or Y to N.
- This override will only be applicable for the adjusted forecast month.
- The override once changed and submitted cannot be undone.
- For each additional forecast month the override must be input individually.

Screen Print Example:

- 1. On the Edit Oil Forecast screen input the forecast month and click Go. All batteries and the total current oil forecast will be displayed.
- 2. Using the Benefit Program filter at the battery level, find the corresponding batteries that have been set to "Y" or "E".

| Edit Oil Forecast | | | | | | | | | | | |
|---------------------------|-------------------------|---------------------|--------------------|-------------|--------|----------------|----------------|-------------|----------------|-----------|--------|
| Forecast Month: 2022-07 < | > Refresh | Facil | lity View List: AL | L | | | | | | < < | > Go |
| Submit Add Facility Car | ncel | | | | | | | | | | |
| | | Gro | oss Volume Fore | cast | | | | | | | |
| Facility/Well Event ID | Facility/Well Name | Initial Forecast | Adjustment | Final | Statue | Crown Forecast | Benefit Pgm | New Well | Calc Method | Forecast | Filter |
| | | Torecase | Aujustment | <u>rina</u> | Status | | ~ | ~ | ~ | Mon-crown | Reset |
| | | 33,359.3 | 0.0 | 33,359.3 | | 9,274.7 | | | | 24,084.6 | |
| + ABBT0053133 | POSSEE CREEK 20-07 | 23,014.5 | 0.0 | 23,014.5 | | 7,413.1 | Y | N | GROUP | 15,601.4 | |
| + ABBT0080970 | POSSEE CREEK102/10-36-0 | 10,274.6 | 0.0 | 10,274.6 | | 1,851.2 | Y | N | GROUP | 8,423.4 | |

- 3. Select the appropriate battery (click the + sign) to display all the wells linked to that battery.
- 4. Using the Benefit Program filter at the well level, find the corresponding wells that have been set to "Y" or "E".

| | | Gro | oss Volume Fored | tast | | | | | | | | |
|---------------------------|-----------------------|----------------------------|------------------|--------------|--------|----------------|-----------------------|-----------------------------------|-------------|------------------------------|-----------------------|-----------------|
| Facility/Well Event ID | Facility/Well Name | <u>Initial</u> Forecast | Adjustment | <u>Final</u> | Status | Crown Forecast | Benefit Pgm γ ✔ | <u>Benefit</u> Pgm Override | New Well | <u>Calc</u> <u>Method</u> | Forecast Non-Crown | Filter Reset |
| ABBT0053133 | POSSEE CREEK 10-07 | 23,014.5 | 0.0 | 23,014.5 | | 7,413.1 | Y | | N | GROUP | 15,601.4 | |
| BWI100043206724W500 | TOMMEE OIL 6-24 | 0.1 | 0.0 | 0.1 | | 0.0 | Y | | N | | 0.1 | |
| BWI100062406825W500 | TOMMEE OIL 6-24-68-25 | 0.1 | 0.0 | 0.1 | | 0.0 | Y | | N | | 0.1 | |
| BWI100151506724W502 | TOMMEE OIL HORIZON | 102.8 | 0.0 | 102.8 | | 5.1 | Y | | N | | 97.7 | |
| BWI102092206825W500 | TOMMEE OILHORIZON | 231.2 | 0.0 | 231.2 | | 11.6 | Y | | N | | 219.6 | |
| | | | | | | | | | | | | |

Edit Oil Foregast



5. For information regarding the well ID, click on the hyperlink to display the rate that is currently being used. If the forecast volumes are too low indicating that the program will expire earlier than Petrinex anticipated, you can override the benefit program on that well. Click Cancel to return to the Edit Oil Forecast screen.

| nit Add Cancel | | | Query Oil Forec | ast Well Ev | ent | | | | | | | | | | | |
|---------------------------|-----------------------|------------------|---|-----------------------------------|--------------------|------------|---------------------|-------------------------------|------------------|-----------------|-------------------|---------------|----------|-------------|--------------|------------|
| Facility/Well Event ID | Facility/Well Name | Initia Foreci | Facility: Well Event ID: Licence: | AB BT 009 AB WI 100 0500180 | 53133 004320672 | 4W500 | Fore Well DOE | cast Mont Name: Scheme/ | h: Project ID | 2022-0 TOMMI | 7 EE OIL 6-24 | Amend#: | 0 | | | |
| BBT0053133 | POSSEE CREEK 10-07 | 23, | Gross Forecas | t: 0.1 | | Calcula | ited Crov | /n: 0.0 | | Crow | vn Oil Interest 9 | 6: 100.000000 | | | | |
| 100043206724W500 | TOMMEE OIL 6-24 | | Oil Density: | LIGHT | | | | | | | | | | | | |
| 100062406825W500 | TOMMEE OIL 6-24-68-25 | | Royalty Attribu | tes | | | | | | | | | | | | |
| 100151506724W502 | TOMMEE OIL HORIZON | | | | | | | | | | | | | | | |
| 02092206825W500 | TOMMEE OILHORIZON | | Program | Month | Amend# | Multiplier | Rate | PAR | Cap | Used | Volume Cap | Gas Used | Oil Used | Total Usage | Value Cap | Value Used |
| | | | C* | 2022-04 | | | 5.00 | | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 3,324,603.49 | 54,825.31 |
| | | | Forecast | 2022-07 | 0 | | | 814.57 | | 1 | | 0.0 | 0.1 | 0.1 | | 81.46 |
| | | | Summary | | | | | | | 1 | 0.0 | 0.0 | 0.1 | 0.1 | 3,324,603.49 | 54,906.77 |
| | | | Cancel | | | | | | | | | | | | | |

6. Check the selection box for the well you wish to enter the Benefit Program Override, which will display a "Calculate" button under status on the battery row.

| Facility/Weil Newrit ID Facility/Weil Name Initial Forecast Initial Forecast Adjustment Final Statu Cown Forecast No Benefit No Benefit | | | Gro | oss Volume Fore | ast | | | | | | | | |
|---|---------------------------|-----------------------|----------------------------|-------------------|--------------|-----------|----------------|-----------------------|----------------------------|-------------|-----------------------|-------------------------------------|-----------------|
| ABBT0053133 POSSEE CREEK 1007 23,014.5 0.0 23,014.5 Calculate 7,413.1 Y N GROUP 15,601.4 3W1100043206724W500 TOMMEE OIL 6-24 0.1 0.0 0.1 0.0 Y IV N GROUP 15,601.4 3W1100063206724W500 TOMMEE OIL 6-24-68-25 0.1 0.0 0.1 0.0 Y IV N 0.0 0.1 3W1100063206724W502 TOMMEE OIL HORIZON 102.8 0.0 102.8 5.1 Y IV N 97.7 3W1102092206825W500 TOMMEE OIL HORIZON 231.2 0.0 231.2 11.6 Y IV N 219.6 | Facility/Well Event ID | Facility/Well Name | <u>Initial</u> Forecast | <u>Adjustment</u> | <u>Final</u> | Status | Crown Forecast | Benefit Pgm Ƴ ❤ | Benefit Pgm Override | New Well | <u>Calc</u> Method | <u>Forecast</u> <u>Non-Crown</u> | Filter Reset |
| BWI100043206724W500 TOMMEE OIL 6-24 0.1 0.0 0.1 0.0 Y Z N 0.1 BWI100062406825W500 TOMMEE OIL 6-24-68-25 0.1 0.0 0.1 0.0 Y N 0.1 0.1 BWI100062406825W500 TOMMEE OIL HORIZON 102.8 0.0 102.8 5.1 Y N 97.7 BWI102092206825W500 TOMMEE OIL HORIZON 231.2 0.0 231.2 11.6 Y N 219.6 | ABBT0053133 | POSSEE CREEK 10-07 | 23,014.5 | 0.0 | 23,014.5 | Calculate | 7,413.1 | Y | | N | GROUP | 15,601.4 | |
| BWI102052406825W500 TOMMEE OIL 6-24-68-25 0.1 0.0 0.1 0.0 Y I N I 0.1 BWI102052405825W500 TOMMEE OIL HORIZON 102.8 0.0 102.8 5.1 Y I N 97.7 BWI102052205825W500 TOMMEE OIL HORIZON 231.2 0.0 231.2 11.6 Y I N 219.6 | BWI100043206724W500 | TOMMEE OIL 6-24 | 0.1 | 0.0 | 0.1 | | 0.0 | Y | 2 | N | | 0.1 | |
| BWI102051206724W502 TOMMEE OILHORIZON 102.8 0.0 102.8 5.1 Y N 97.7 BWI1020592206825W500 TOMMEE OILHORIZON 231.2 0.0 231.2 11.6 Y N 219.6 | BWI100062406825W500 | TOMMEE OIL 6-24-68-25 | 0.1 | 0.0 | 0.1 | | 0.0 | Y | | N | | 0.1 | |
| 3 <u>W1102092206825W500</u> TOMMEE OILHORIZON 231.2 0.0 231.2 11.6 Y 🗆 N 219.6 | BWI100151506724W502 | TOMMEE OIL HORIZON | 102.8 | 0.0 | 102.8 | | 5.1 | Y | | Ν | | 97.7 | |
| | BWI102092206825W500 | TOMMEE OILHORIZON | 231.2 | 0.0 | 231.2 | | 11.6 | Y | | N | | 219.6 | |
| | ABWI102092206825W500 | TOMMEE OILHORIZON | 231.2 | 0.0 | 231.2 | | 11.6 | Y | | N | | 219.6 | |



7. Click the "Calculate" button. After the calculation, "Pending" will display under Status on the well row.

| | | Gro | ss Volume Forec | ast | | | | | | | | |
|---------------------------|-------------------------|----------------------------|-----------------|--------------|---------|----------------|-----------------------|----------------------------|-------------|------------------------------|-------------------------------------|-----------------|
| Facility/Well Event ID | Facility/Well Name | <u>Initial</u> Forecast | Adjustment | <u>Final</u> | Status | Crown Forecast | Benefit Pgm Y V | Benefit Pgm Override | New Well | <u>Calc</u> <u>Method</u> | <u>Forecast</u> <u>Non-Crown</u> | Filter Reset |
| ABBT0053138 | ANTE CREEK 10-07 | 23,014.5 | 0.0 | 23,014.5 | | 7,431.6 | Y | | N | WELL | 15,582.9 | |
| WI100043206724W500 | ARC RESOURCES HZ ANT | 0.1 | 0.0 | 0.1 | Pending | 0.0 | Y | | Ν | | 0.1 | |
| WI100062406825W500 | ARC HZ ANTEN 6-24-68-25 | 0.1 | 0.0 | 0.1 | | 0.0 | Y | | Ν | | 0.1 | |
| WI100151506724W502 | ARC RESOURCES HZ ANT | 102.8 | 0.0 | 102.8 | | 23.6 | Ν | | Ν | | 79.2 | |
| VI102092206825W500 | ARC HZ 102 ANTEN 9-22 | 231.2 | 0.0 | 231.2 | | 11.6 | Y | | Ν | | 219.6 | |
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8. Click Submit.

| Facility/Weil Event ID Facility/Weil Facility/Weil Event ID Facility/Weil Forecast Initial Forecast Adjustment Final Status Crown Forecast Pem Benefit Pem New Weil Calc Method Forecast Method Final ABBT0053133 POSSEE CREK 10-07 23,014.5 0.0 23,014.5 7,431.6 Y N Weil 15,582.9 EW1100043206724W500 TOMMEE OIL 6-24-68-25 0.1 0.0 0.1 0.0 Y N Weil 15,582.9 EW11000543066724W500 TOMMEE OIL 6-24-68-25 0.1 0.0 0.1 0.0 Y N N 0.0 1 EW110005406825W500 TOMMEE OIL 6-24-68-25 0.1 0.0 0.1 0.0 Y N N 0.0 1 EW1100151506724W502 TOMMEE OIL HORIZON 102.8 0.0 231.2 11.6 Y N 219.6 11.6 |
|--|
| ABBT0053133 POSSEE CREEK 1007 23,014.5 0.0 23,014.5 7,431.6 Y N WELL 15,582.9 ABW110043206724W500 TOMMEE OIL 6-24 0.1 0.0 0.1 0.0 Y IV N WELL 15,582.9 ABW1100634206724W500 TOMMEE OIL 6-24 0.1 0.0 0.1 0.0 Y IV N 0.01 ABW110062408825W500 TOMMEE OIL 6-24-68-25 0.1 0.0 0.1 0.0 Y IV N 0.01 ABW1100151506724W502 TOMMEE OIL HORIZON 102.8 0.0 102.8 23.6 N N 79.2 ABW1100052206825W500 TOMMEE OIL HORIZON 231.2 0.0 231.2 11.6 V N 219.6 |
| ABW1100043206825W500 TOMMEE OIL 6-24 0.1 0.0 0.1 0.0 Y III N 0.1 ABW1100054306825W500 TOMMEE OIL 6-24-68-25 0.1 0.0 0.1 0.0 Y III N 0.1 ABW1100052406825W500 TOMMEE OIL HORIZON 102.8 0.0 102.8 23.6 N N 79.2 ABW1102092206825W500 TOMMEE OIL HORIZON 231.2 0.0 231.2 11.6 Y N 219.6 |
| ABW1100062406825W500 TOMMEE OIL 6-24-68-25 0.1 0.0 0.1 0.0 Y N 0.1 ABW1100052406825W500 TOMMEE OIL 6-24-68-25 0.1 0.0 0.1 0.0 Y N 0.1 ABW1100151506724W502 TOMMEE OIL HORIZON 102.8 0.0 102.8 23.6 N N 79.2 ABW1102092206825W500 TOMMEE OIL HORIZON 231.2 0.0 231.2 11.6 Y N 219.6 |
| ABWI102092206825W500 TOMMEE OIL HORIZON 102.8 0.0 102.8 23.6 N N 79.2 ABWI102092206825W500 TOMMEE OIL HORIZON 231.2 0.0 231.2 11.6 Y N 219.6 |
| ABW/102092206825W500 TOMMEE OILHORIZON 231.2 0.0 231.2 11.6 Y D N 219.6 |
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The Query Oil Forecast Well Event screen will display the updated information once the data has been submitted.

| Edit Oil Forecast | | | | | | | | | | | | | | | | |
|---|-------------------------------------|------------------|---|---------------------------------|--------------------|------------|------------------|-------------------------------------|-------------------|------------------|-------------------|--------------------------|------------|-------------|-----------|------------|
| Forecast Month: 2022-07 | > Refresh | | | | | | | | | | | | | | | |
| OFT099 Submission is succes Submit Add Cancel | sful. | | Query Oil Fored | ast Well E | vent | | | | | | | | | | | 8 |
| Facility/Well Event ID | <u>Facility/Well</u> <u>Name</u> | Initia Foreca | Facility: Well Event ID: Licence: | AB BT 00 AB WI 10 0500185 | 53138 004320672 | 4W500 | For Wel DO | ecast Mont Il Name: E Scheme/ | th: Project IE | 2022-0 ARC RE | 7 SOURCES HZ A | Amend#: NTEN 4-32-67- | : 1 :24 | | | |
| - ABBT0053138 | ANTE CREEK 10-07 | 23, | Gross Foreca | st: 0.1 | | Calcula | ted Crov | wn: 0.0 | | Crow | vn Oil Interest | %: 100.000000 | 0 | | | |
| ABWI100043206724W500 | ARC RESOURCES HZ ANT | | Oil Density: | LIGHT | | | | | | | | | | | | |
| ABWI100062406825W500 | ARC HZ ANTEN 6-24-68-25 | | Royalty Attribu | ites | | | | | | | | | | | | |
| ABWI100151506724W502 | ARC RESOURCES HZ ANT | | | Status | | | | PAR | Period | Period | | | | | | |
| ABWI102092206825W500 | ARC HZ 102 ANTEN 9-22 | | Program | Month | Amend# | Multiplier | Rate | Price | Cap | Used | Volume Cap | Gas Used | Oil Used | Total Usage | Value Cap | Value Used |
| | | | Forecast | 2022-07 | 1 | | | 814.57 | | 1 | | | 0.1 | 0.1 | | 81.46 |
| | | | Summary | | | | | | | 1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.00 | 81.45 |
| | | | Cancel | | | | | | | | | | | | | |
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| Submit Add Cancel | | | | | | | | | | | | | | | | |

Repeat these steps for all the wells that require the override. Once you have made all the overrides. Go to Submit Report Requests and request the Oil Forecast – Oil Forecast Gross & Crown report.

More information:

| Petrinex Busi | ness Desk |
|---------------|-------------------------------------|
| Phone: | 297-6111 (Toll Free 1-800-992-1144) |
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