

Assigning allowables to cross unit wells - OIL

Assigning allowables to cross unit wells - oil

Sample – SN 245971

PERFORATIONS

| SERIAL NUM | COMPLETION DATE | UPPER PERF | LOWER PERF | SANDS | RESERVOIR |
|------------|-----------------|------------|------------|-------|-----------|
| 245971 | 05/05/2013 | 13950 | 18047 | L WX | RB |

WELL TESTS

| RPT TYP | TEST DATE | RPT DATE | OIL POT | COND | GAS DEL | WATER | BSW% | FLOW PRES | SHUTIN PRES | CHOKE | UPPER PERF | LOWER P |
|---------|------------|------------|---------|------|---------|-------|------|-----------|-------------|-------|------------|---------|
| DM-1R | 09/20/2018 | 10/01/2018 | 100 | | | 1000 | | 57 | | 64 | 13950 | 18047 |
| DM-1R | 04/02/2018 | 05/01/2018 | 20 | | 24 | 60 | 75 | 73 | | 48 | 13950 | 18047 |
| DM-1R | 10/01/2017 | 11/01/2017 | 20 | | 51 | 163 | 85.3 | 65 | | 48 | 13950 | 18047 |
| DM-1R | 04/28/2017 | 05/01/2017 | 28 | | 51 | 163 | 85.3 | 65 | | 48 | 13950 | 18047 |
| DM-1R | 10/04/2016 | 11/01/2016 | 33 | | 51 | 210 | 86.4 | 5 | | 48 | 13950 | 18047 |
| DM-1R | 04/02/2016 | 05/01/2016 | 22 | | 82 | 160 | 87.9 | 68 | | 8 | 13950 | 18047 |
| DM-1R | 10/25/2015 | 11/01/2015 | 35 | | 75 | 200 | 85.1 | 88 | | 48 | 13950 | 18047 |
| DM-1R | 04/01/2015 | 05/01/2015 | 38 | | 106 | 340 | 89.9 | 66 | | 48 | 13950 | 18047 |
| DM-1R | 09/16/2014 | 11/01/2014 | 64 | | 155 | 271 | 80.8 | 77 | | 48 | 13950 | 18047 |
| DM-1R | 04/05/2014 | 05/01/2014 | 95 | | | 325 | 77 | 72 | | 48 | 13950 | 18047 |
| DM-1R | 10/15/2013 | 11/01/2013 | 241 | | | 523 | 68 | 4350 | | 15 | 13950 | 18047 |

WELL ALLOWABLES

| EFFECTIVE DATE | END DATE | LUW CODE | LUW TYPE CODE | ALLOWABLE | ESTIMATED POTENTIAL | CURRENT ALLOWABLE TYPE |
|----------------|------------|----------|---------------|-----------|---------------------|------------------------|
| 04/01/2015 | 06/30/2015 | 050336 | 2 | 0 | 12 | 1 |
| 01/01/2015 | 03/31/2015 | 050670 | 2 | 0 | 64 | 1 |
| 07/01/2014 | 12/31/2014 | 050670 | 2 | 0 | 95 | 1 |
| 01/01/2014 | 06/30/2014 | 050670 | 2 | 0 | 241 | 1 |
| 07/01/2013 | 12/31/2013 | 050670 | 2 | 0 | 800 | 1 |
| 05/05/2013 | 06/30/2013 | 050670 | 2 | 0 | 800 | 1 |

LEASE/UNIT/WELL ASSOCIATION HISTORY

| EFFECTIVE DATE | END DATE | LUW CODE | LUW TYPE | LUW NAME | REPORTING PCT | PRIMARY LUW FLAG |
|----------------|----------|----------|----------|--------------|---------------|------------------|
| 05/05/2013 | | 050336 | 2-UNIT | L WX RB SUA; | 18.54 | Y |
| 05/05/2013 | | 050670 | 2-UNIT | L WX RB SUC | 81.46 | N |

Start at “Maintain Well Allowable Update – SRCN2210A”

Enter SN, effective date, tab

| LUW / Well Information | | | | | | | | | |
|--------------------------------|--------------------------------|------------------------|--------------------------|----------|--------------------------|--------------|--------------------------|------------|--------------------------|
| Well Serial Num | 245971 | Effective Date | 01/01/2018 | End Date | 06/30/2018 | | | | |
| LUW Code | 050336 | 2 | L WX RB SUA; | | | Product | 10 | | |
| Well Name | L WX RB SUA:MUSR-DAVIS 33-28HC | | | | Well Num | 001-ALT | Status | 10 | |
| Field ID | 1336 | BEAR HEAD CREEK, SOUTH | | | | | | | |
| Organization ID | P342 | PINTAIL OIL & GAS, LLC | | | | | | | |
| Allowable Codes | | | | | | | | | |
| ACTION | <input type="checkbox"/> | FORMER | <input type="checkbox"/> | CURRENT | <input type="checkbox"/> | SCHEDULE | <input type="checkbox"/> | BASIS | <input type="checkbox"/> |
| | | | | | | Print OPTION | <input type="checkbox"/> | | |
| Allowable Schedule Information | | | | | | | | | |
| Allowable | | Acreage | | Pool | | | | | |
| Schedule Remarks | | | | | | | | | |
| Last Test Information | | | | | | | | | |
| Last Test | 100 | Cross Unit | Report Type | DM-1R | Report Date | 10/01/2018 | Test Date | 09/20/2018 | |
| LUW Total Allowable | | | | | | | | | |
| Total Allowable | | | | | | | | | |
| Comments | | | | | | | | | |

Note- cross unit wells with LUWs will display as pink.

Assigning allowables to cross unit wells - OIL

Tab to Allowable Codes; after tabbing out of "current," depth bracket allowable will populate

| LUW / Well Information | | | | | | | |
|------------------------|--------------------------------|----------------|--------------|----------|------------|----------|---------|
| Well Serial Num | 245971 | Effective Date | 01/01/2018 | End Date | 06/30/2018 | Product | 10 |
| LUW Code | 050336 | 2 | L WX RB SUA; | | | Status | 10 |
| Well Name | L WX RB SUA:MUSR-DAVIS 33-28HC | | | | | Well Num | 001-ALT |
| Field ID | 1336 BEAR HEAD CREEK, SOUTH | | | | | | |
| Organization ID | P342 PINTAIL OIL & GAS, LLC | | | | | | |

| Allowable Codes | | | | | | | | | | | |
|-----------------|---|--------|--------------------------|---------|---|----------|--------------------------|-------|--------------------------|--------------|--------------------------|
| ACTION | 4 | FORMER | <input type="checkbox"/> | CURRENT | 1 | SCHEDULE | <input type="checkbox"/> | BASIS | <input type="checkbox"/> | Print OPTION | <input type="checkbox"/> |

| Allowable Schedule Information | | | | | |
|--------------------------------|------|---------|--|------|--|
| Allowable | 1900 | Acreage | | Pool | |
| Schedule Remarks | | | | | |

| Last Test Information | | | | | | | | |
|-----------------------|-----|------------|-------------|-------|-------------|------------|-----------|------------|
| Last Test | 100 | Cross-Unit | Report Type | DM-1R | Report Date | 10/01/2018 | Test Date | 09/20/2018 |

| LUW Total Allowable | |
|---------------------|--|
| Total Allowable | |

| Comments | |
|----------|--|
| | |

Once all Allowable Codes are keyed in, select "Cross-Unit" button. This distributes the potential to each LUW based on the percentages.

| LUW / Well Information | | | | | | | |
|------------------------|--------------------------------|----------------|--------------|----------|------------|----------|---------|
| Well Serial Num | 245971 | Effective Date | 01/01/2018 | End Date | 06/30/2018 | Product | 10 |
| LUW Code | 050336 | 2 | L WX RB SUA; | | | Status | 10 |
| Well Name | L WX RB SUA:MUSR-DAVIS 33-28HC | | | | | Well Num | 001-ALT |
| Field ID | 1336 BEAR HEAD CREEK, SOUTH | | | | | | |
| Organization ID | P342 PINTAIL OIL & GAS, LLC | | | | | | |

| Allowable Codes | | | | | | | | | | | |
|-----------------|---|--------|--------------------------|---------|---|----------|--------------------------|-------|--------------------------|--------------|--------------------------|
| ACTION | 4 | FORMER | <input type="checkbox"/> | CURRENT | 1 | SCHEDULE | <input type="checkbox"/> | BASIS | <input type="checkbox"/> | Print OPTION | <input type="checkbox"/> |

| Allowable Schedule Information | | | | | |
|--------------------------------|------|---------|--|------|--|
| Allowable | 1900 | Acreage | | Pool | |
| Schedule Remarks | | | | | |

| Last Test Information | | | | | | | | |
|-----------------------|-----|------------|-------------|-------|-------------|------------|-----------|------------|
| Last Test | 100 | Cross-Unit | Report Type | DM-1R | Report Date | 10/01/2018 | Test Date | 09/20/2018 |

| LUW Total Allowable | |
|---------------------|--|
| Total Allowable | |

| Comments | |
|----------|--|
| | |

Assigning allowables to cross unit wells - OIL

| LUW / Well Information | | | |
|------------------------|--------------------------------|------------------------|--------------|
| Well Serial Num | 245971 | Effective Date | 01/01/2018 |
| | End Date | 06/30/2018 | |
| LUW Code | 050336 | 2 | L WX RB SUA; |
| Well Name | L WX RB SUA:MUSR-DAVIS 33-28HC | | Well Num |
| Field ID | 1336 | BEAR HEAD CREEK, SOUTH | |
| Organization ID | P342 | PINTAIL OIL & GAS, LLC | |

| Allowable Codes | | | |
|-----------------|----------|--------|--------------------------|
| ACTION | 4 | FORMER | <input type="checkbox"/> |
| | CURRENT | 1 | |
| | SCHEDULE | 1 | |
| | BASIS | 1 | |
| Print OPTION | | | |

| Allowable Schedule Information | | | |
|--------------------------------|------|---------|--|
| Allowable | 1900 | Acreage | |
| | Pool | | |
| Schedule Remarks | | | |

| Last Test Information | | | |
|-----------------------|-------------|------------|--|
| Last Test | 19 | Cross-Unit | |
| | Report Type | DM-1R | |
| | Report Date | 10/01/2018 | |
| | Test Date | | |

| LUW Total Allowable | |
|---------------------|--|
| Total Allowable | |

Put cursor in LUW code field and use the down arrow on your keyboard to get to the next record(s).
Adjust allowable codes, if needed.

| LUW / Well Information | | | |
|------------------------|--------------------------------|------------------------|-------------|
| Well Serial Num | 245971 | Effective Date | 01/01/2018 |
| | End Date | 06/30/2018 | |
| LUW Code | 050670 | 2 | L WX RB SUC |
| Well Name | L WX RB SUA:MUSR-DAVIS 33-28HC | | Well Num |
| Field ID | 1336 | BEAR HEAD CREEK, SOUTH | |
| Organization ID | P342 | PINTAIL OIL & GAS, LLC | |

| Allowable Codes | | | |
|-----------------|----------|--------|--------------------------|
| ACTION | 4 | FORMER | <input type="checkbox"/> |
| | CURRENT | 1 | |
| | SCHEDULE | 1 | |
| | BASIS | 1 | |
| Print OPTION | | | |

| Allowable Schedule Information | | | |
|--------------------------------|------|---------|--|
| Allowable | 1900 | Acreage | |
| | Pool | | |
| Schedule Remarks | | | |

| Last Test Information | | | |
|-----------------------|-------------|------------|--|
| Last Test | 81 | Cross-Unit | |
| | Report Type | DM-1R | |
| | Report Date | 10/01/2018 | |
| | Test Date | | |

| LUW Total Allowable | |
|---------------------|--|
| Total Allowable | |

Save, then done! Records created.

Go to "Maintain Well/LUW Allowables – SRCN2210" and review/adjust as usual.

Assigning allowables to cross unit wells - GAS

Assigning allowables to cross unit wells - gas

Sample – SN 244037

Start at “Maintain Well Allowable Update – SRCN2210A.” Enter SN, effective date, tab

SRCN2210A - Maintain Well Allowable Updates 09/17/2018 02:03 PM
Strategic Online Natural Resources Information System

Well Allowable

LUW / Well Information

| | | | | | |
|-----------------|----------------------------|----------------|------------|----------|------------|
| Well Serial Num | 244037 | Effective Date | 03/25/2018 | End Date | 06/30/2018 |
| LUW Code | 615454 | 2 | HA RA SUA; | Product | 20 |
| Well Name | HA RA SUA:WIGGINS 36-25 HC | | | Well Num | 2-ALT |
| Field ID | 9803 WOODARDVILLE | | | Status | 10 |
| Organization ID | Q016 QEP ENERGY COMPANY | | | | |

Allowable Codes

ACTION ☐ FORMER ☐ CURRENT ☐ SCHEDULE ☐ BASIS ☐ Print OPTION ☐

Allowable Schedule Information

Allowable Acreage Pool

Schedule Remarks

Last Test Information

Last Test 34184 Cross-Unit Report Type SDM2G Report Date 04/09/2018 Test Date 04/09/2018

LUW Total Allowable

Total Allowable 5,016.00

Comments

Note- cross unit wells with LUWs will display as pink.

Tab to Allowable Codes; key in appropriate codes. Key in full deliverability into “Allowable” field...

SRCN2210A - Maintain Well Allowable Updates 09/17/2018 02:01 PM
Strategic Online Natural Resources Information System

Well Allowable

LUW / Well Information

| | | | | | |
|-----------------|----------------------------|----------------|------------|----------|------------|
| Well Serial Num | 244037 | Effective Date | 03/25/2018 | End Date | 06/30/2018 |
| LUW Code | 615454 | 2 | HA RA SUA; | Product | 20 |
| Well Name | HA RA SUA:WIGGINS 36-25 HC | | | Well Num | 2-ALT |
| Field ID | 9803 WOODARDVILLE | | | Status | 10 |
| Organization ID | Q016 QEP ENERGY COMPANY | | | | |

Allowable Codes

ACTION 1 FORMER ☐ CURRENT 3 SCHEDULE 1 BASIS 1 Print OPTION 1

Allowable Schedule Information

Allowable 17454 Acreage Pool

Schedule Remarks

Last Test Information

Last Test 17454 Cross-Unit Report Type SDM2G Report Date 04/09/2018 Test Date 04/09/2018

LUW Total Allowable

Total Allowable 22,470.00

Comments

Assigning allowables to cross unit wells - GAS

...then, select "Cross-Unit" button. This distributes the deliverability to each LUW based on the percentages.

SRCN2210A - Maintain Well Allowable Updates 09/17/2018 02:01 PM
Strategic Online Natural Resources Information System

Well Allowable

LUW / Well Information

| | | | | | | | |
|-----------------|----------------------------|----------------|------------|----------|------------|----------|-------|
| Well Serial Num | 244037 | Effective Date | 03/25/2018 | End Date | 06/30/2018 | Product | 20 |
| LUW Code | 615454 | 2 | HA RA SUA; | | | Status | 10 |
| Well Name | HA RA SUA:WIGGINS 36-25 HC | | | | | Well Num | 2-ALT |
| Field ID | 9803 WOODARDVILLE | | | | | | |
| Organization ID | Q016 QEP ENERGY COMPANY | | | | | | |

Allowable Codes

| | | | | | | | | | | | |
|--------|---|--------|--|---------|---|----------|---|-------|---|--------------|---|
| ACTION | 1 | FORMER | | CURRENT | 3 | SCHEDULE | 1 | BASIS | 1 | Print OPTION | 1 |
|--------|---|--------|--|---------|---|----------|---|-------|---|--------------|---|

Allowable Schedule Information

| | | | | | |
|------------------|-------|---------|--|------|--|
| Allowable | 17454 | Acreage | | Pool | |
| Schedule Remarks | | | | | |

Last Test Information

| | | | | | | | | |
|-----------|-------|-----------------|-------------|-------|-------------|------------|-----------|------------|
| Last Test | 17454 | Cross-Unit Init | Report Type | SDM2G | Report Date | 04/09/2018 | Test Date | 04/09/2018 |
|-----------|-------|-----------------|-------------|-------|-------------|------------|-----------|------------|

LUW Total Allowable

| | |
|-----------------|-----------|
| Total Allowable | 22,470.00 |
|-----------------|-----------|

Comments

Put cursor in LUW code field and use the down arrow on your keyboard to get to the next record(s). Adjust allowable codes, if needed. Save, then done! Go to "Maintain Well/LUW Allowables – SRCN2210" and review/adjust as usual.