

Canadian Natural

PEACE RIVER IN SITU PROJECT DIRECTIVE 54 ANNUAL PERFORMANCE PRESENTATION

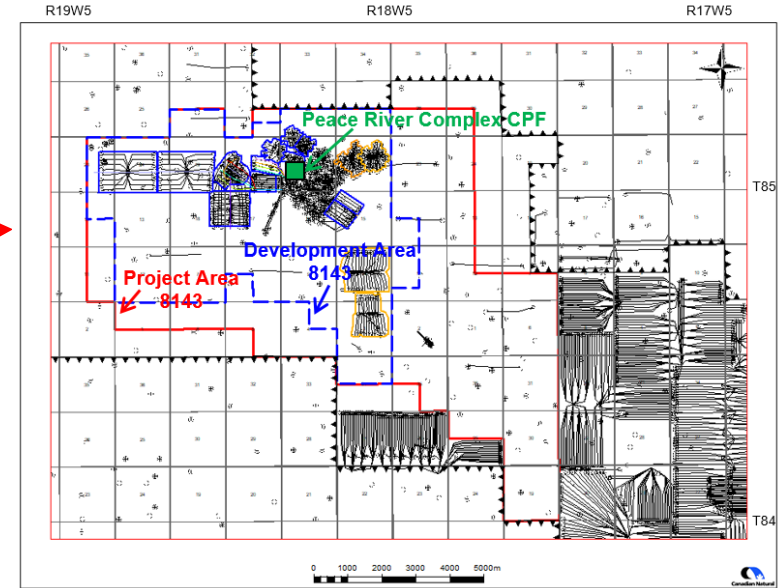
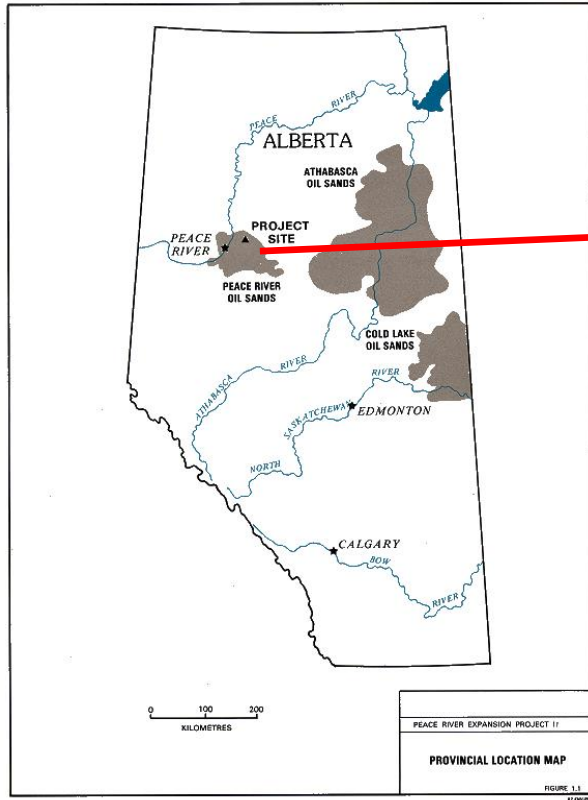
Commercial Scheme Approval 8143 (as amended)

June 30, 2023



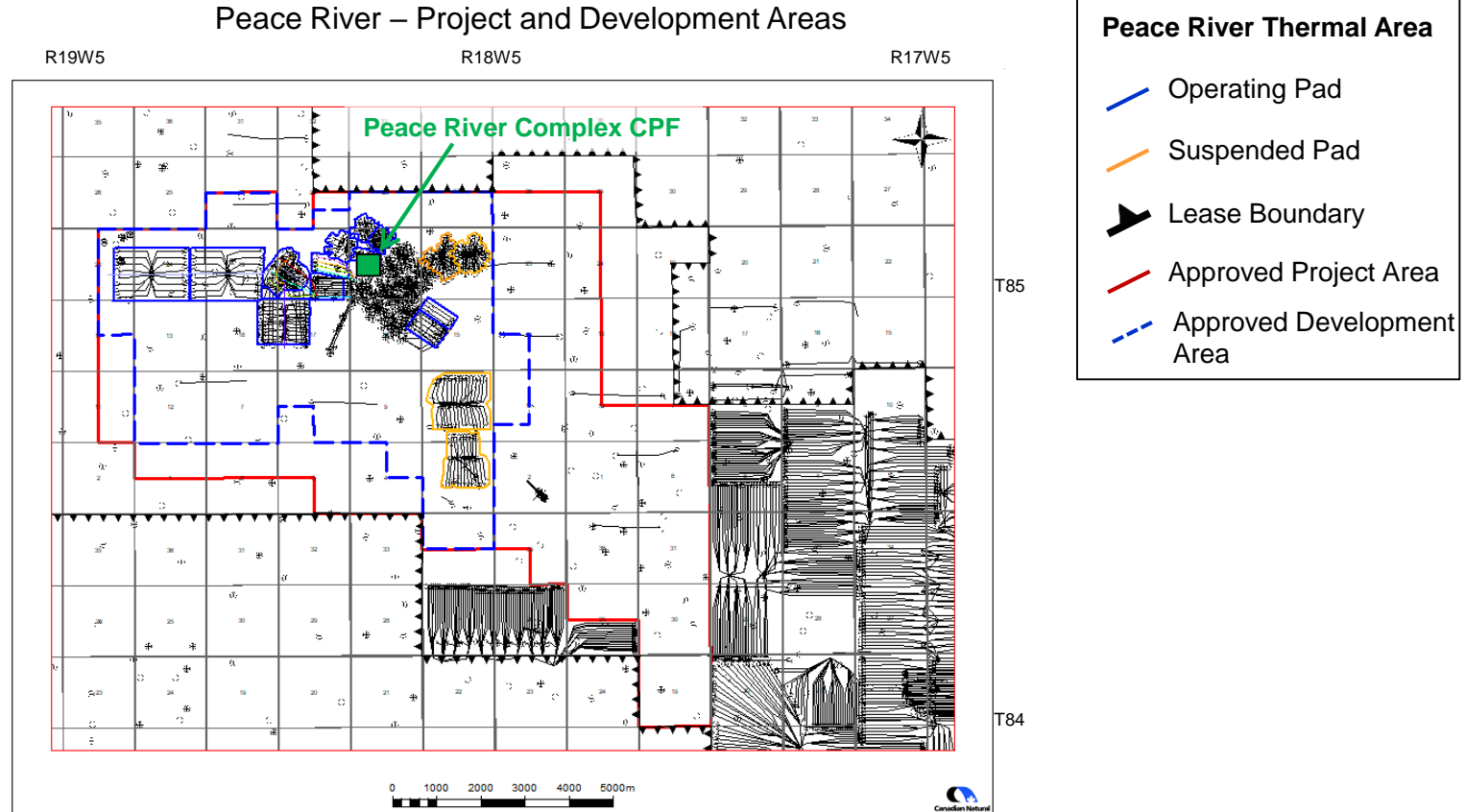
4.1 Introduction

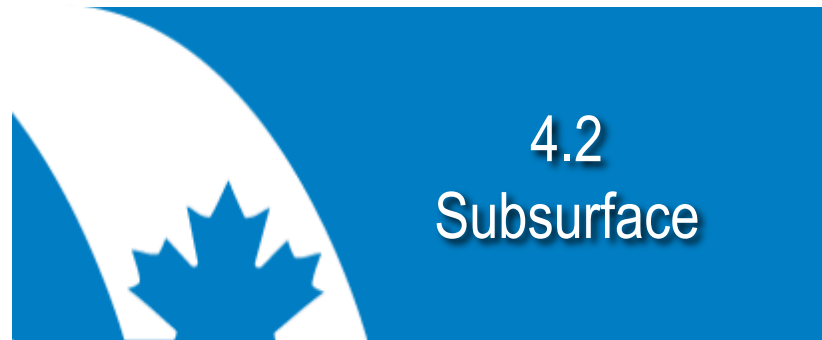
4.1, 1) Scheme Setting and Background



- Located in Northwestern Alberta
- Bluesky Formation
- SAGD, CSS and Steam Flood

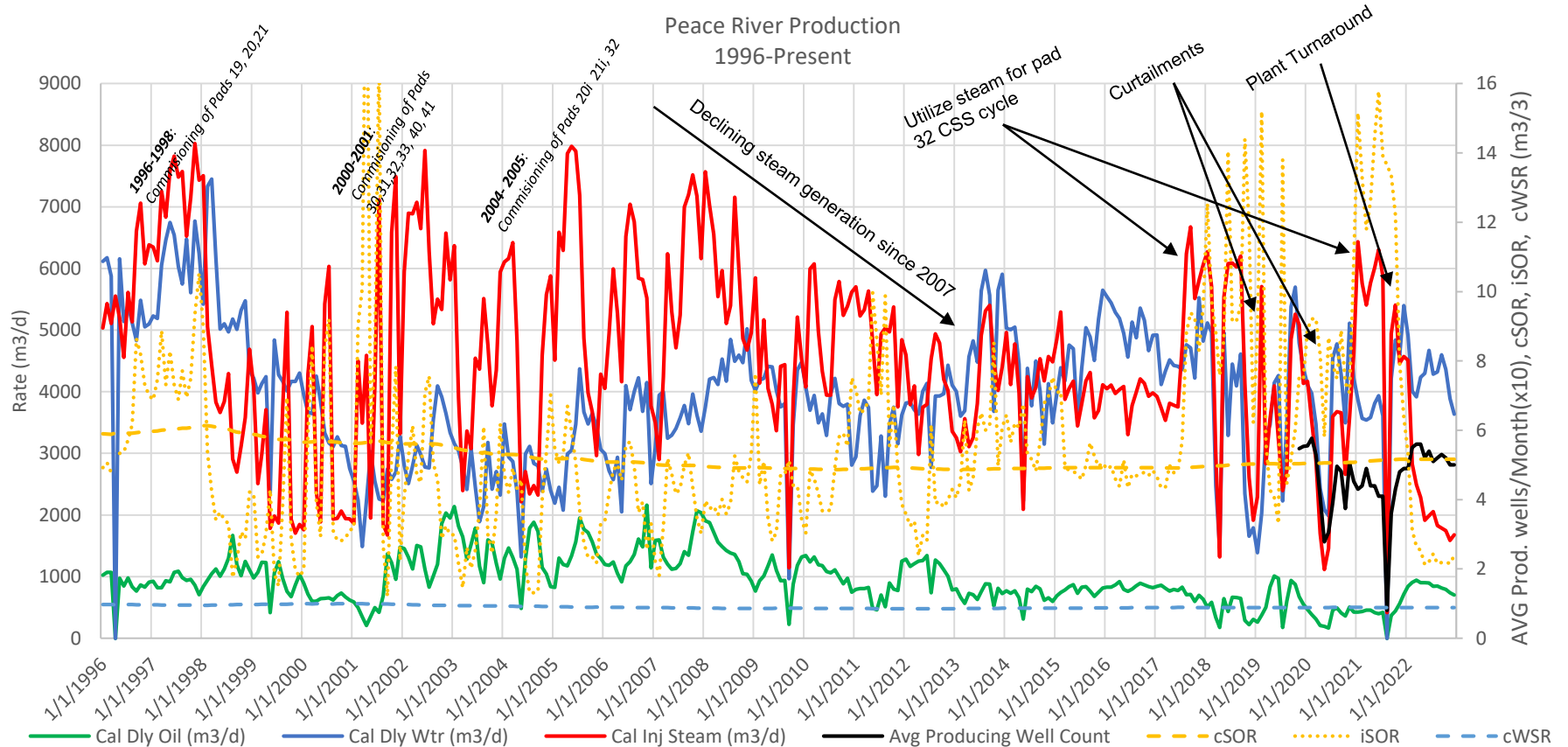
4.1, 1) Scheme Setting and Background (cont'd)



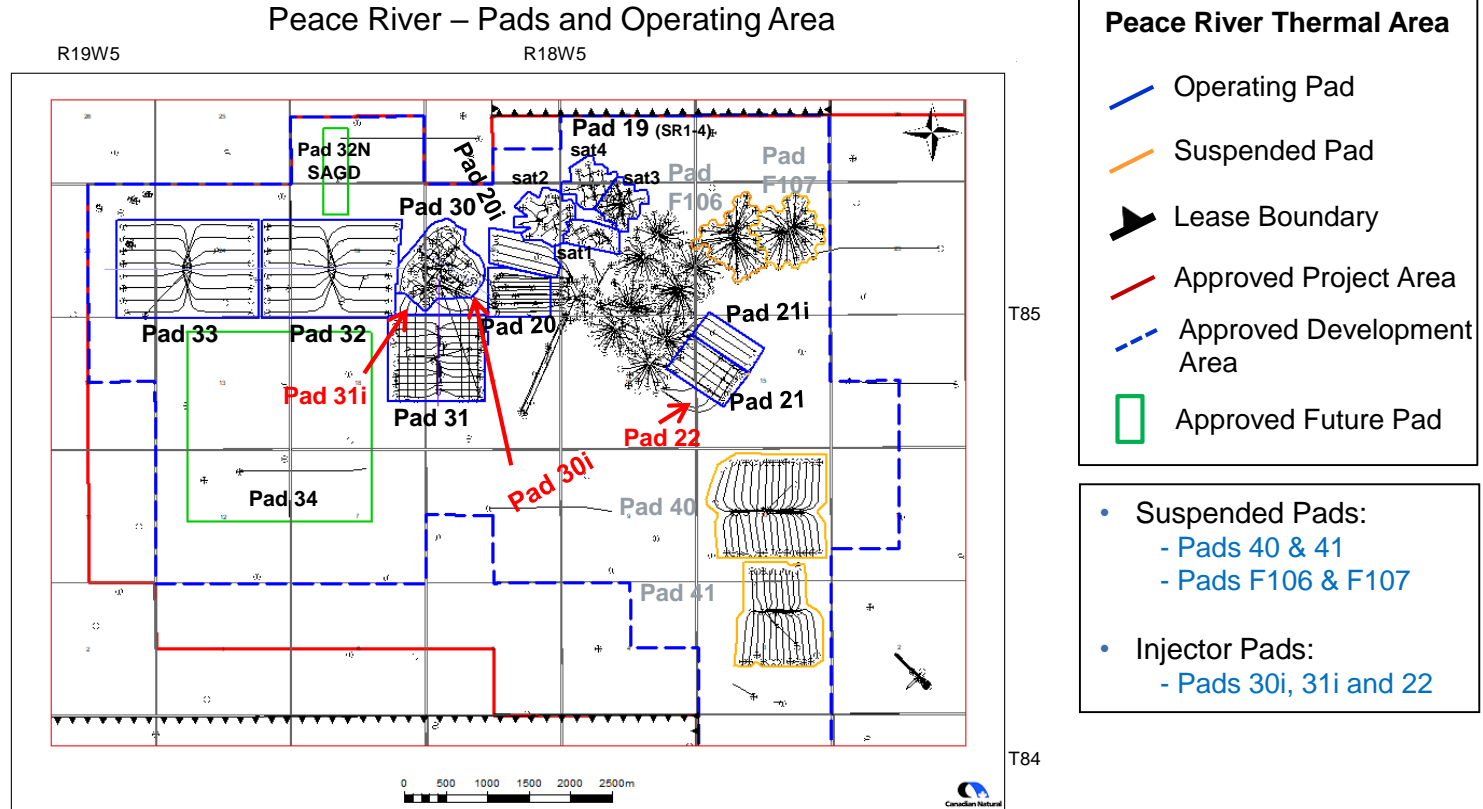


4.2 Subsurface

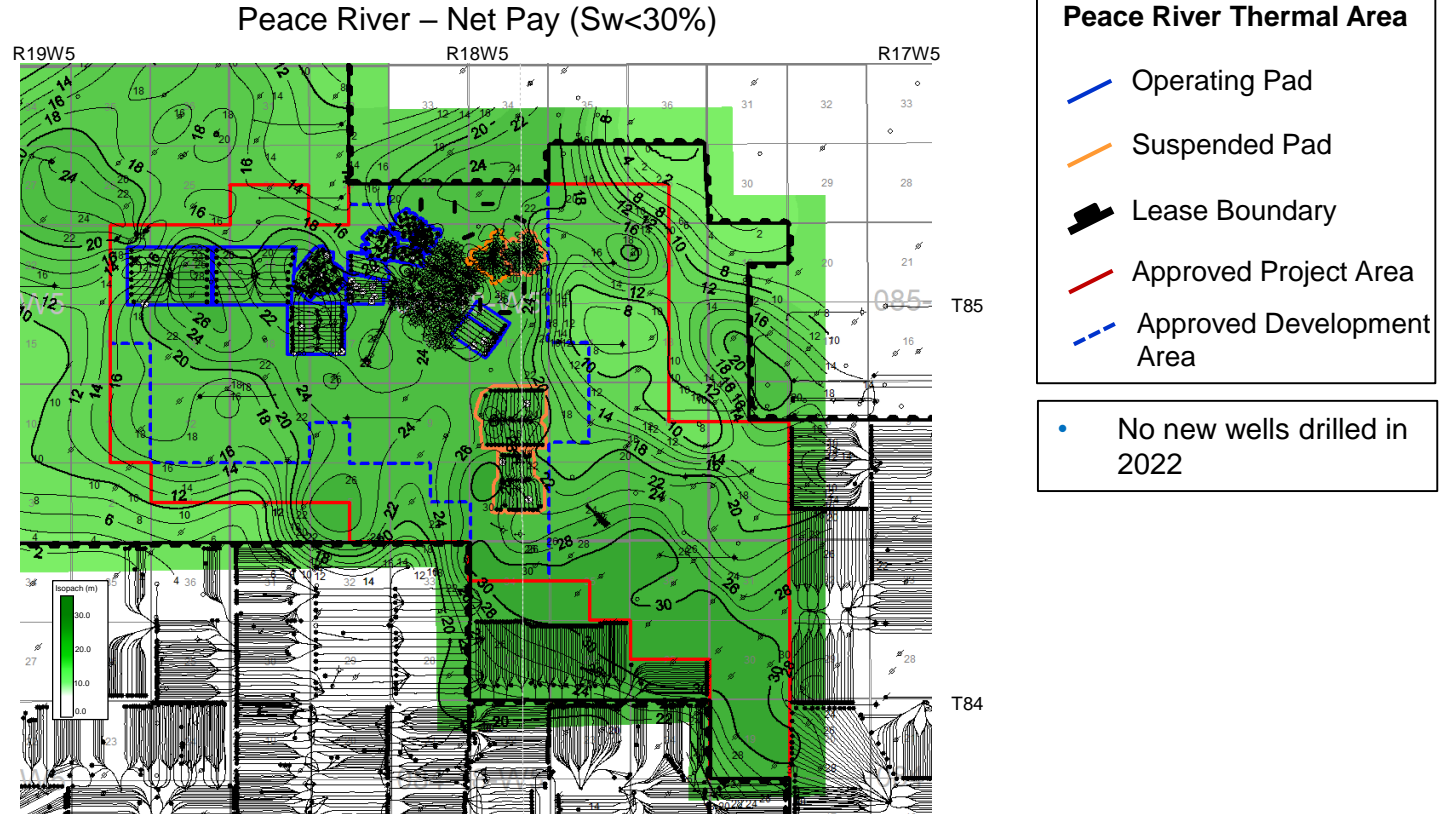
4.2, 2) Production Plot - Peace River



4.2, 3 a) Drilled and Approved Drainage Boxes



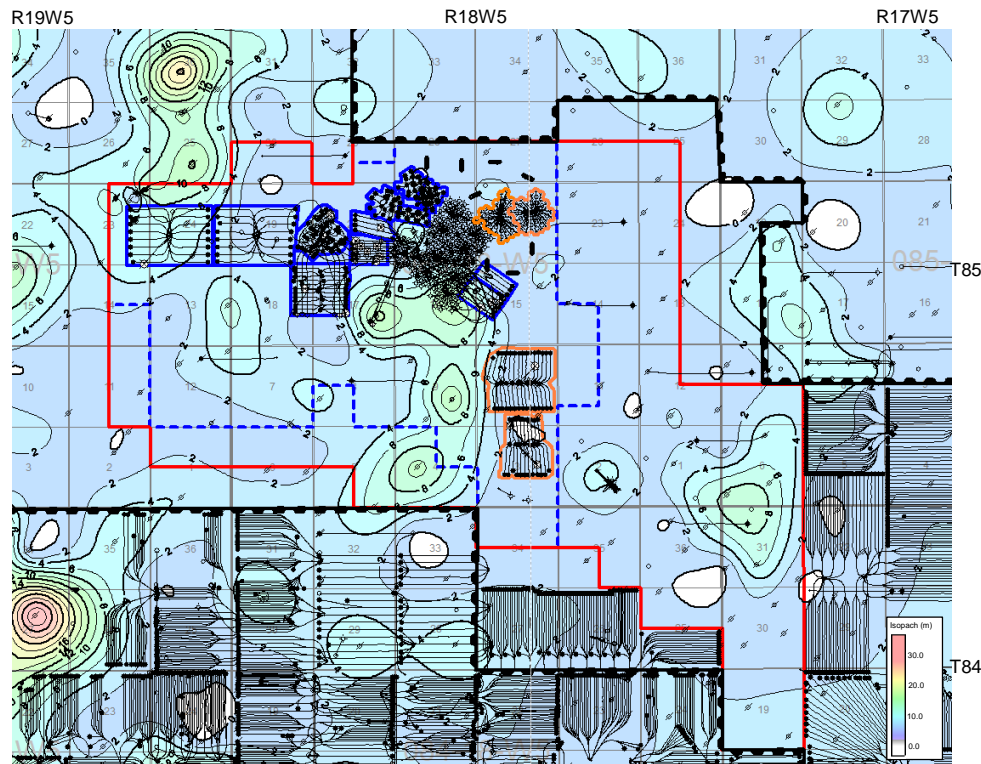
4.2, 3 b) Pay Isopach and Resource Cut-off



4.2, 3 c) Major Gas and Water Intervals

Net Water Sand Isopach

Peace River – Basal Transition and Basal Water Thickness Map ($S_w > 30\%$)



4.2, 3 c) Major Gas and Water Intervals

- No major gas intervals in communication with pay in the project area.

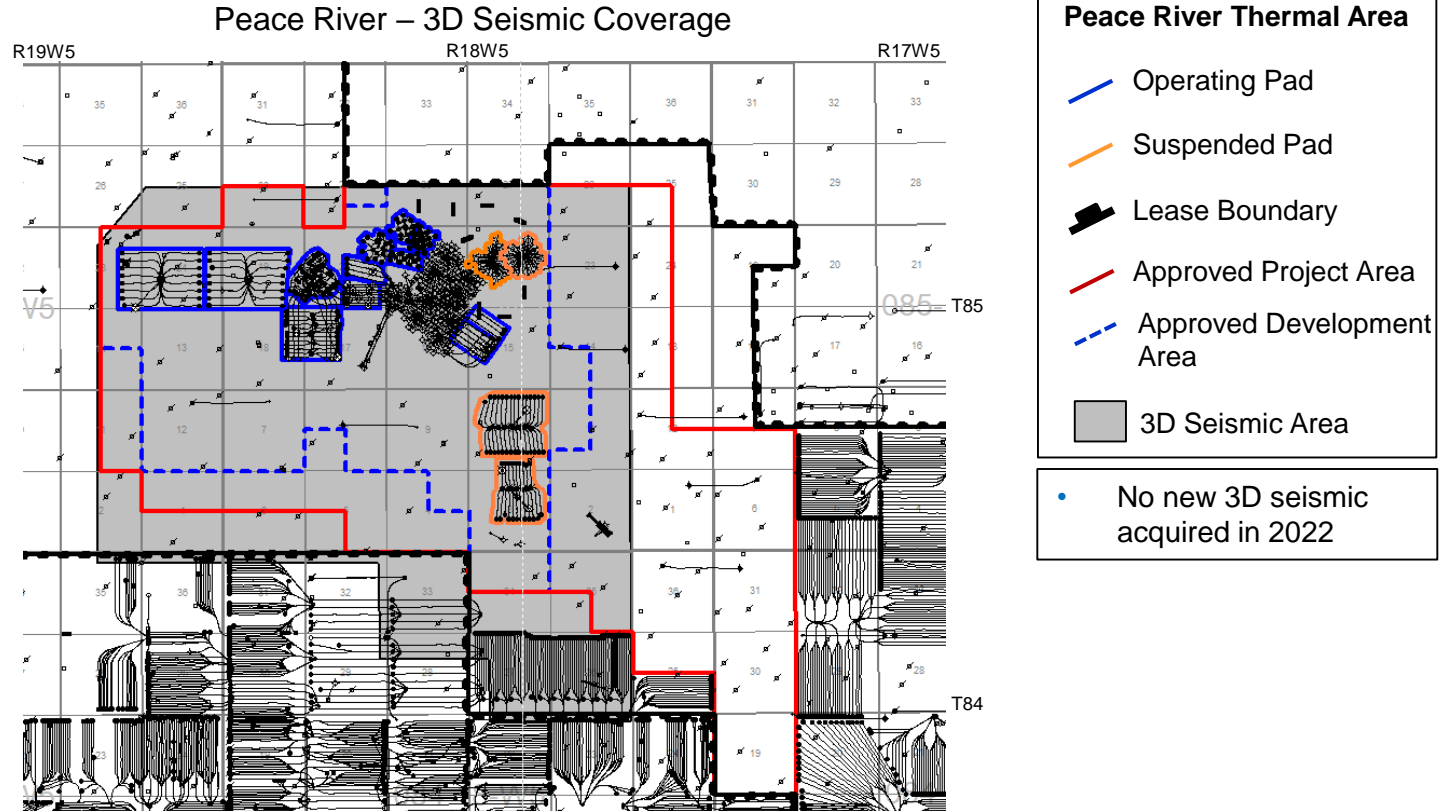
4.2, 3 d) Geomechanical Anomalies

- No known geomechanical anomalies identified since last reporting period.

4.2, 3 d) Heave Monitoring

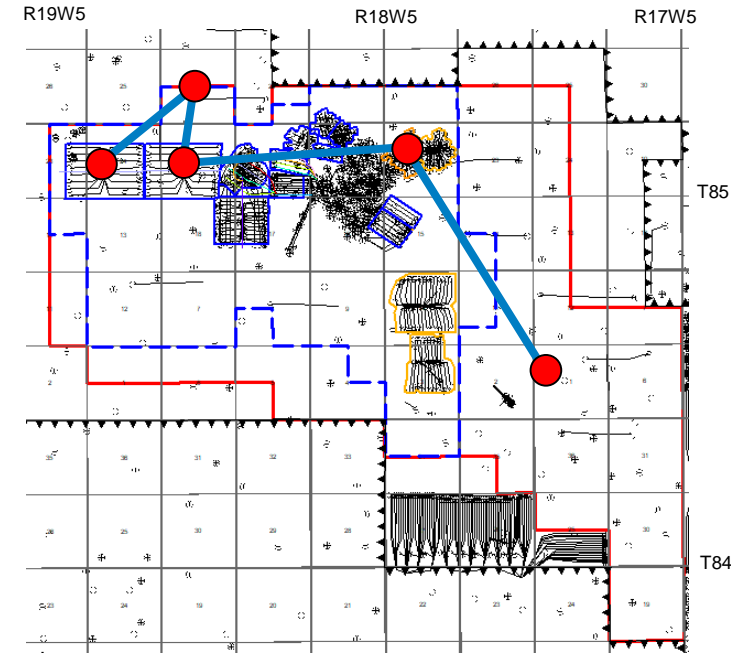
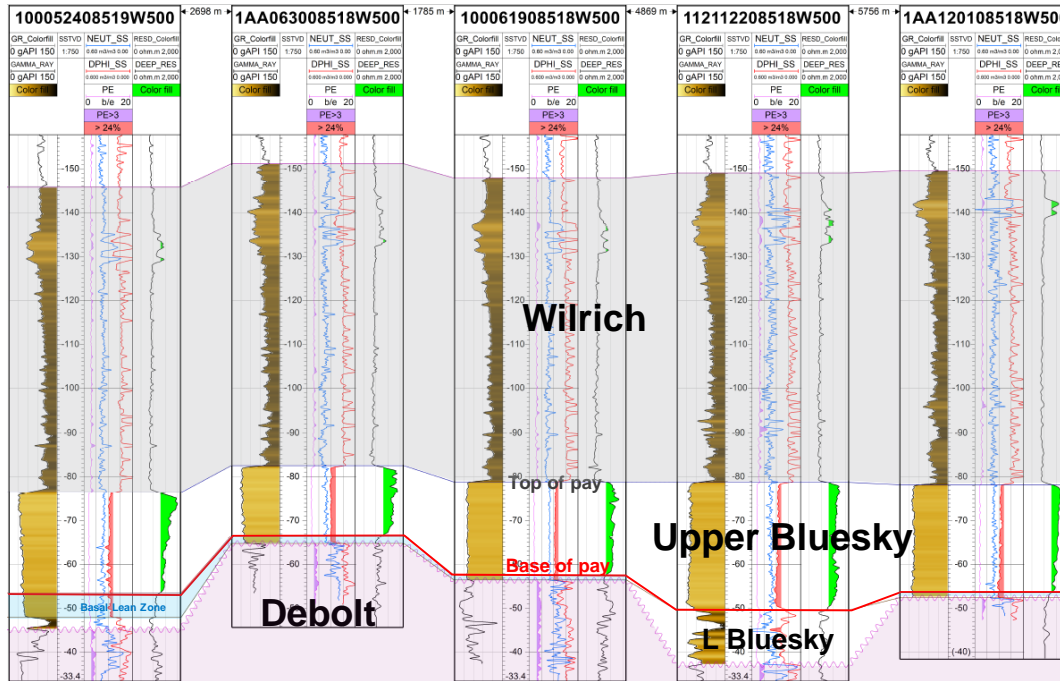
- No heave monitoring was conducted in 2022
- Heave monitoring is not a condition of approval
 - As there are no significant geomechanical issues observed at PRC, heave monitoring is not considered to be required

4.2, 3 e) Seismic



4.2, 4) Peace River Structural Cross-Section

- Wilrich Member of Spirit River Formation (primary caprock) ~ 80m
- Spirit River Formation minimum continuous caprock thickness ~ 240m
- Upper Bluesky Sand sitting on Debolt unconformity or Lower Bluesky filling lows in Debolt
- Reservoir Base defined Sw = 30% cut-off (equivalent to resistivity ~40ohms)



4.2, 5) Project, Development and Combined Active Well Pattern Volumetrics

	OBIP/PBIP (E ⁶ m ³)
Project Area	441
Development Area	220
Active Well Pattern Area*	57

**Does not include well pads 106/107*

OBIP = PBIP

General Properties	Approval Area
Target Formation	Bluesky
Pay Thickness	15 – 30m
Depth	550 - 600 m TVD
Porosity	0.25 – 0.30
Viscosity	10,000 – 1,000,000 cP (dead oil)
Horizontal permeability	0.1 – 10 D (air)
Kv / Kh	0.3 – 0.9
Oil Saturation	0.70 – 0.85

- Cumulative percentage bitumen recovery of active well pad area: **15%**

4.2, 6) Well Pattern Volumetrics

Pad	OBIP/PBIP (e ³ m ³)	Area (m ²)	Pay Thickness (m)	Oil Saturation (%)	Porosity (%)	Average Permeability KH (mD)	Cumulative Oil (e ³ m ³)	Current Recovery	Ultimate Recovery
Pad 19 S1	1,055	199,000	23	83%	28	3,806	273	26%	26%
Pad 19 S2	1,370	361,000	16	84%	28.5	3,806	261	19%	28%
Pad 19 S3	1,110	238,000	21	80%	28	3,806	380	34%	34%
Pad 19 S4	1,202	249,000	20	84%	29	3,806	227	19%	29%
Pad 20	2,041	423,000	22	82%	27	1,482	727	36%	38%
Pad 20i	1,503	339,000	20	83%	27	5,867	225	15%	20%
Pad 21	2,345	431,000	25	82%	27	2,404	693	30%	30%
Pad 21i	1,524	287,000	25	83%	26	2,404	258	17%	31%
Pad 30	4,246	765,000	24	83%	28	2,798	877	21%	33%
Pad 31	6,520	1,232,000	23	83%	28	2,678	853	13%	34%
Pad 40	8,794	1,676,000	25	80%	26.5	1,154	847	10%	26%
Pad 41	5,994	1,134,000	26	79%	26	1,055	483	8%	23%
Pad 32	9,650	1,953,000	22	83%	27.5	4,026	1,246	13%	18%
Pad 33	9,797	2,044,000	22	80%	27.5	2,761	1,050	11%	14%
Total	57,151						8,400	15%	24%

OBIP = Original Bitumen in Place; PBIP = Producing Bitumen In Place; PBIP = OBIP

Volumetric calculation = Area within drainage box boundary x pay thickness x avg. oil saturation x avg. porosity

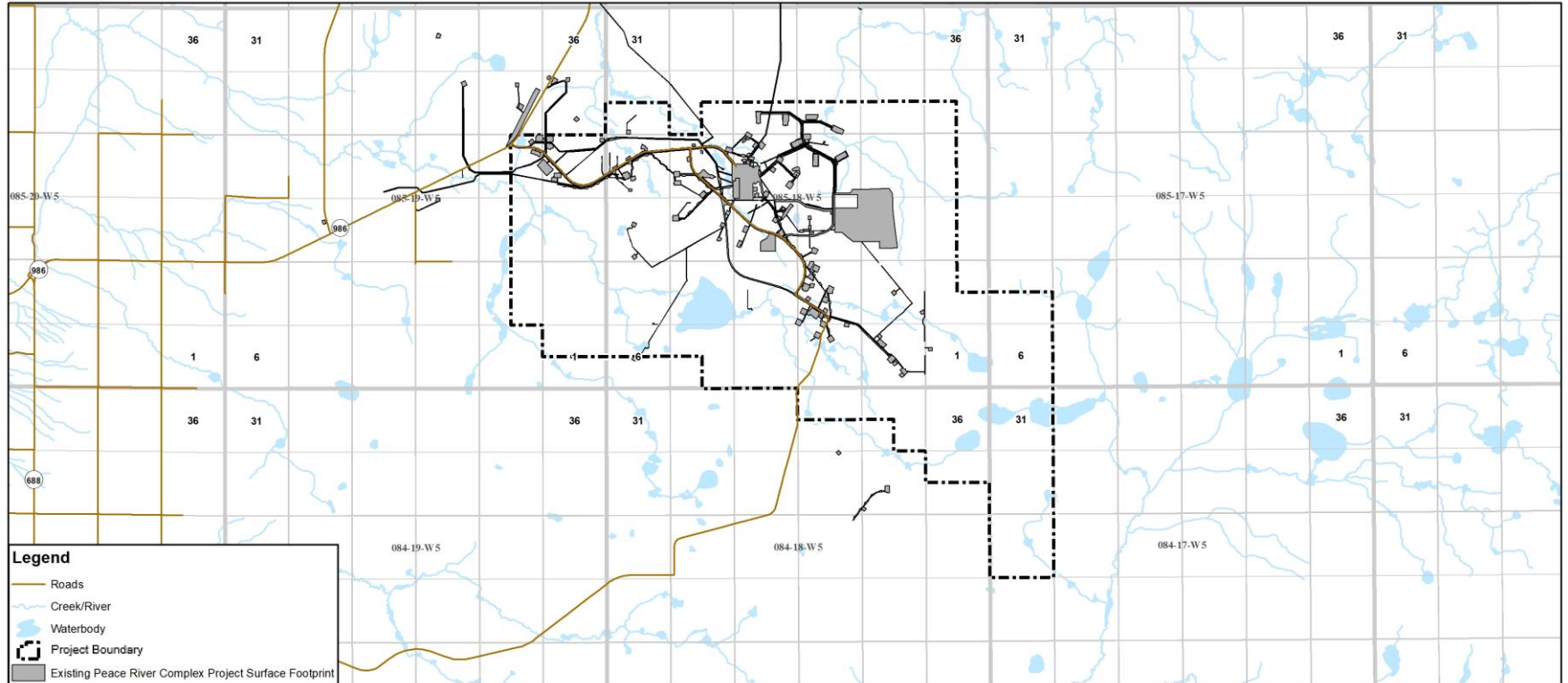
4.2, 7) Co-Injection

- No co-injection activity during the reporting period.



4.3 Surface

4.3, 8 a) Built and Planned Surface Infrastructure Map



No surface infrastructure changes in 2022.

4.3, 8 b) Modifications to the Central Processing Facility

- No facility modifications made in 2022 requiring AER approval.

4.3, 8 c) Annual Operational Bitumen and Steam Rates

	Actual Operational	Facility Design
Bitumen	844 m ³ /cd	2,000 m ³ /sd
Steam	2,223 t/d	8,000 t/d



4.4, 9) Suspension and Abandonment Activity

- No well pattern suspension or abandonment activity in 2022.
- No well patterns in active blow down in 2022.

4.4, 10 a) Regulatory Approvals

Application Description	Application Number	Submission Date	Approval Date
Peace River Complex Pad 34 Development	1933874	8/3/2021	1/6/2022
EPEA Renewal	038-1642	7/8/2021	1/20/2022

- 2 applications approved in 2022.
- No regulatory applications were filed in 2022 reporting period.

4.4, 10 b) Events with Potential to Impact to Scheme Performance

- No reportable events took place in 2022 that impact scheme performance.

4.4, 10 c) Peace River Learnings

- Lessons Learned:
 - Seal water system on Pad 32 and 33 Multiphase Pumps (associated with the casing gas VRU) greatly improved runtime and directly lead to better rates.

4.4, 10 d) Regulatory and Operational Changes

- There are no reportable updates on pilots or major technical innovations during 2022.
- Canadian Natural continues to evaluate emerging technologies.

4.4, 11) Compliance History

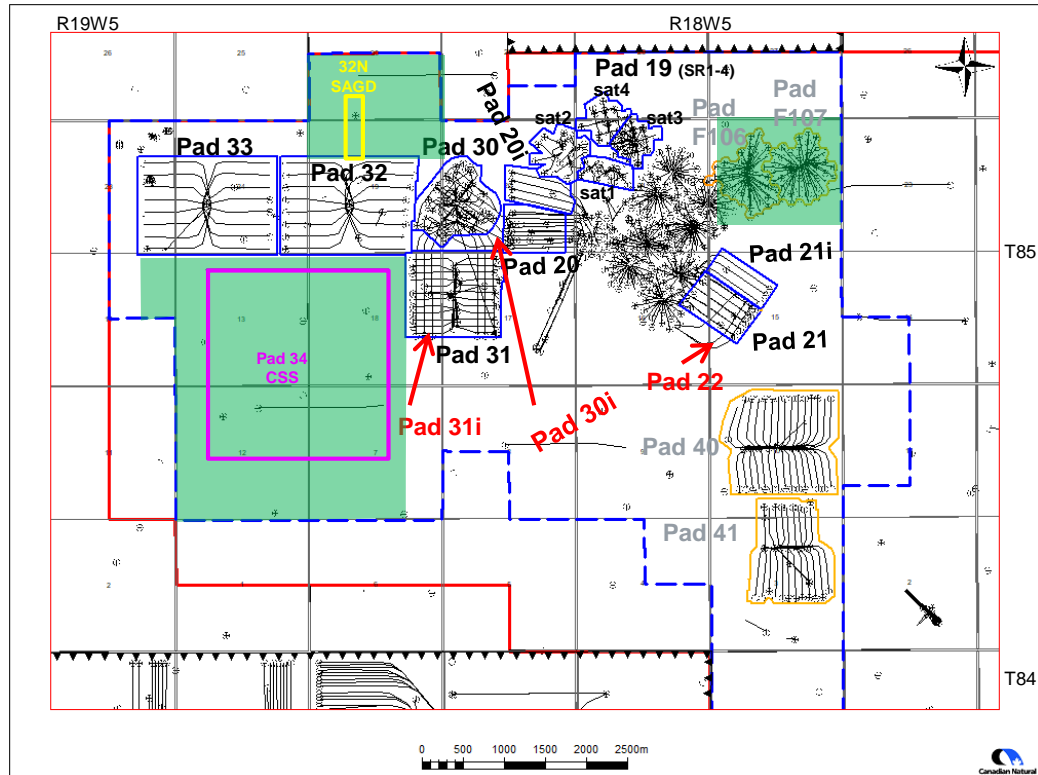
- Voluntary Self Disclosures
 - No Voluntary Self Disclosures reported in 2022.
- Reportable Incidents - Releases
 - 1 reportable release with a volume of 26 m³
 - January 8, 2022: (Ref. # 20220091)
 - All volumes remained on lease. Additionally, the release was recovered and associated remediation action taken, as required.
- Contraventions – EPEA and Water Act
 - April 4, 2022: Due to high snow melt rates, surface water breached the berms on Pads F106 and F107 resulting in fluid off lease. (Ref. #20221047 & 20221048)
 - July 21, 2022: The over-pressure of a sales oil tank resulted in vented solution gas due to procedural error. A review of the system operation with the field personnel followed to mitigate future occurrence. (Ref. # 20221664)
 - August 8, 2022: A recently inspected tank developed a manway leak, which resulted in vented solution gas. Leak checks have been implemented to prevent future occurrences. (Ref. # 20221811)
 - October 2, 2022: The purging of a separator lead to the over-pressure of a tank downstream due to procedural error and resulted in vented solution gas. A review of the vessel purging procedure with field personnel followed to mitigate future occurrence. (Ref. #20222249)

4.4, 12 a) Future Plans: Upcoming 12 Month Activity

- Pending favorable economic conditions, the following potential future plans are under evaluation for 2022:
 - CSS Pad 34 Development
 - Application submitted in 2021. Approval received January 2022.
 - Further de-risk reservoir performance.
 - Continued Water Treatment Technology Evaluation.

4.4, 12 b) 5-Year Potential Development Plan

Peace River – Pads and Operating Area with Future Plans



Peace River Thermal Area

- Operating Pad
- Suspended Pad
- Lease Boundary
- Approved Project Area
- Approved Development Area
- 5 Year Development Area

- 5 year development will be contingent on the outcome of subsurface trials, internal approval, market conditions.

4.4, 12 c) Future Plans: Upcoming 12 Month Applications

- Continuing to evaluate future development opportunities.
 - Currently no planned applications.

Special Note Regarding Forward-Looking Statements

Certain statements relating to Canadian Natural Resources Limited (the "Company") in this document or documents incorporated herein by reference constitute forward-looking statements or information (collectively referred to herein as "forward-looking statements") within the meaning of applicable securities legislation. Forward-looking statements can be identified by the words "believe", "anticipate", "expect", "plan", "estimate", "target", "continue", "could", "intend", "may", "potential", "predict", "should", "will", "objective", "project", "forecast", "goal", "guidance", "outlook", "effort", "seeks", "schedule", "proposed", "aspiration" or expressions of a similar nature suggesting future outcome or statements regarding an outlook. Disclosure related to expected future commodity pricing, forecast or anticipated production volumes, royalties, production expenses, capital expenditures, income tax expenses and other targets provided throughout this presentation and the Company's Management's Discussion and Analysis ("MD&A") of the financial condition and results of operations of the Company, constitute forward-looking statements. Disclosure of plans relating to and expected results of existing and future developments, including, without limitation, those in relation to the Company's assets at Horizon Oil Sands ("Horizon"), the Athabasca Oil Sands Project ("AOSP"), Primrose thermal oil projects, the Pelican Lake water and polymer flood projects, the Kirby Thermal Oil Sands Project, the Jackfish Thermal Oil Sands Project, the North West Redwater bitumen upgrader and refinery, construction by third parties of new, or expansion of existing, pipeline capacity or other means of transportation of bitumen, crude oil, natural gas, natural gas liquids ("NGLs") or synthetic crude oil ("SCO") that the Company may be reliant upon to transport its products to market, the development and deployment of technology and technological innovations, and the financial capacity of the Company to complete its growth projects and responsibly and sustainably grow in the long term also constitute forward-looking statements. These forward-looking statements are based on annual budgets and multi-year forecasts, and are reviewed and revised throughout the year as necessary in the context of targeted financial ratios, project returns, product pricing expectations and balance in project risk and time horizons. These statements are not guarantees of future performance and are subject to certain risks. The reader should not place undue reliance on these forward-looking statements as there can be no assurances that the plans, initiatives or expectations upon which they are based will occur.

In addition, statements relating to "reserves" are deemed to be forward-looking statements as they involve the implied assessment based on certain estimates and assumptions that the reserves described can be profitably produced in the future. There are numerous uncertainties inherent in estimating quantities of proved and proved plus probable crude oil, natural gas and NGLs reserves and in projecting future rates of production and the timing of development expenditures. The total amount or timing of actual future production may vary significantly from reserves and production estimates.

The forward-looking statements are based on current expectations, estimates and projections about the Company and the industry in which the Company operates, which speak only as of the earlier of the date such statements were made or as of the date of the report or document in which they are contained, and are subject to known and unknown risks and uncertainties that could cause the actual results, performance or achievements of the Company to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. Such risks and uncertainties include, among others: general economic and business conditions (including as a result of effects of the novel coronavirus ("COVID-19") pandemic and the actions of the Organization of the Petroleum Exporting Countries Plus ("OPEC+") which may impact, among other things, demand and supply for and market prices of the Company's products, and the availability and cost of resources required by the Company's operations; volatility of and assumptions regarding crude oil and natural gas and NGLs prices including due to actions of OPEC+ taken in response to COVID-19 or otherwise; fluctuations in currency and interest rates; assumptions on which the Company's current targets are based; economic conditions in the countries and regions in which the Company conducts business; political uncertainty, including actions of or against terrorists, insurgent groups or other conflict including conflict between states; industry capacity; ability of the Company to implement its business strategy, including exploration and development activities; impact of competition; the Company's defense of lawsuits; availability and cost of seismic, drilling and other equipment; ability of the Company and its subsidiaries to complete capital programs; the Company's and its subsidiaries' ability to secure adequate transportation for its products; unexpected disruptions or delays in the mining, extracting or upgrading of the Company's bitumen products; potential delays or changes in plans with respect to exploration or development projects or capital expenditures; ability of the Company to attract the necessary labour required to build, maintain, and operate its thermal and oil sands mining projects; operating hazards and other difficulties inherent in the exploration for and production and sale of crude oil and natural gas and in mining, extracting or upgrading the Company's bitumen products; availability and cost of financing; the Company's and its subsidiaries' success of exploration and development activities and its ability to replace and expand crude oil and natural gas reserves; the Company's ability to meet its targeted production levels; timing and success of integrating the business and operations of acquired companies and assets; production levels; imprecision of reserves estimates and estimates of recoverable quantities of crude oil, natural gas and NGLs not currently classified as proved; actions by governmental authorities (including production curtailments mandated by the Government of Alberta); government regulations and the expenditures required to comply with them (especially safety and environmental laws and regulations and the impact of climate change initiatives on capital expenditures and production expenses); asset retirement obligations; the sufficiency of the Company's liquidity to support its growth strategy and to sustain its operations in the short, medium, and long term; the strength of the Company's balance sheet; the flexibility of the Company's capital structure; the adequacy of the Company's provision for taxes; the continued availability of the Canada Emergency Wage Subsidy ("CEWS") or other subsidies; and other circumstances affecting revenues and expenses.

The Company's operations have been, and in the future may be, affected by political developments and by national, federal, provincial, state and local laws and regulations such as restrictions on production, changes in taxes, royalties and other amounts payable to governments or governmental agencies, price or gathering rate controls and environmental protection regulations. Should one or more of these risks or uncertainties materialize, or should any of the Company's assumptions prove incorrect, actual results may vary in material respects from those projected in the forward-looking statements. The impact of any one factor on a particular forward-looking statement is not determinable with certainty as such factors are dependent upon other factors, and the Company's course of action would depend upon its assessment of the future considering all information then available.

Readers are cautioned that the foregoing list of factors is not exhaustive. Unpredictable or unknown factors not discussed in this presentation or the Company's MD&A could also have adverse effects on forward-looking statements. Although the Company believes that the expectations conveyed by the forward-looking statements are reasonable based on information available to it on the date such forward-looking statements are made, no assurances can be given as to future results, levels of activity and achievements. All subsequent forward-looking statements, whether written or oral, attributable to the Company or persons acting on its behalf are expressly qualified in their entirety by these cautionary statements. Except as required by applicable law, the Company assumes no obligation to update forward-looking statements in this presentation or the Company's MD&A, whether as a result of new information, future events or other factors, or the foregoing factors affecting this information, should circumstances or the Company's estimates or opinions change.

Reporting Disclosures

Special Note Regarding non-GAAP and Other Financial Measures

This presentation includes references to financial measures commonly used in the crude oil and natural gas industry, such as: adjusted net earnings (loss) from operations, adjusted funds flow and net capital expenditures. These financial measures are not defined by International Financial Reporting Standards ("IFRS") and therefore are referred to as non-GAAP financial measures. The non-GAAP financial measures used by the Company may not be comparable to similar measures presented by other companies. The Company uses these non-GAAP financial measures to evaluate its performance. The non-GAAP financial measures should not be considered an alternative to or more meaningful than net earnings (loss), cash flows from operating activities, and cash flows used in investing activities as determined in accordance with IFRS, as an indication of the Company's performance. The non-GAAP financial measure adjusted net earnings (loss) from operations is reconciled to net earnings (loss), as determined in accordance with IFRS, in the "Financial Highlights" section of the Company's MD&A. Additionally, the non-GAAP financial measure adjusted funds flow is reconciled to cash flows from operating activities, as determined in accordance with IFRS, in the "Financial Highlights" section of the Company's MD&A. The non-GAAP financial measure net capital expenditures is reconciled to cash flows used in investing activities, as determined in accordance with IFRS, in the "Net Capital Expenditures" section of the Company's MD&A. The Company also presents certain non-GAAP financial ratios and their derivation in the "Liquidity and Capital Resources" section of the Company's MD&A.

Adjusted net earnings (loss) from operations is a non-GAAP financial measure that represents net earnings (loss) as presented in the Company's consolidated Statements of Earnings (Loss), adjusted for the after-tax effects of certain items of a non-operational nature. The Company considers adjusted net earnings (loss) from operations a key measure in evaluating its performance, as it demonstrates the Company's ability to generate after-tax operating earnings from its core business areas. Adjusted net earnings (loss) from operations may not be comparable to similar measures presented by other companies.

Adjusted funds flow is a non-GAAP financial measure that represents cash flows from operating activities as presented in the Company's consolidated Statements of Cash Flows, adjusted for the net change in non-cash working capital, abandonment expenditures excluding the impact of government grant income under the provincial well-site rehabilitation programs, and movements in other long-term assets, including the unamortized cost of the share bonus program, accrued interest on subordinated debt advances to North West Redwater Partnership ("NWRP"), and prepaid cost of service tolls. The Company considers adjusted funds flow a key measure in evaluating its performance, as it demonstrates the Company's ability to generate the cash flow necessary to fund future growth through capital investment and to repay debt. Adjusted funds flow may not be comparable to similar measures presented by other companies.

Net capital expenditures is a non-GAAP financial measure that represents cash flows used in investing activities as presented in the Company's consolidated Statements of Cash Flows, adjusted for the net change in non-cash working capital, the repayment of NWRP subordinated debt advances, abandonment expenditures including the impact of government grant income under the provincial well-site rehabilitation programs, and the settlement of long-term debt assumed in acquisitions. The Company considers net capital expenditures a key measure in evaluating its performance, as it provides an understanding of the Company's capital spending activities in comparison to the Company's annual capital budget. Net capital expenditures may not be comparable to similar measures presented by other companies.

Free cash flow is a non-GAAP measure that represents cash flows from operating activities as presented in the Company's consolidated Statements of Cash Flows, adjusted for the net change in non-cash working capital from operating activities, abandonment, certain movements in other long-term assets, less net capital expenditures and dividends on common shares. The Company considers free cash flow a key measure in demonstrating the Company's ability to generate cash flow to fund future growth through capital investment, pay returns to shareholders, and to repay debt.

Adjusted EBITDA is a non-GAAP measure that represents net earnings (loss) as presented in the Company's consolidated Statements of Earnings (Loss), adjusted for interest, taxes, depletion, depreciation and amortization, stock based compensation expense (recovery), unrealized risk management gains (losses), unrealized foreign exchange gains (losses), and accretion of the Company's asset retirement obligation. The Company considers adjusted EBITDA a key measure in evaluating its operating profitability by excluding non-cash items.

Long-term debt, net and net debt are other financial measures that are calculated as net current and long-term debt less cash and cash equivalents.

Debt to adjusted EBITDA is a non-GAAP measure that is derived as the current and long-term portions of long-term debt, divided by the 12 month trailing Adjusted EBITDA, as defined above. The Company considers this ratio to be a key measure in evaluating the Company's ability to pay off its debt.

Debt to book capitalization is a non-GAAP measure that is derived as net current and long-term debt, divided by the book value of common shareholders' equity plus net current and long-term debt. The Company considers this ratio to be a key measure in evaluating the Company's ability to pay off its debt.

Available liquidity is a non-GAAP measure that is derived as cash and cash equivalents, total bank and term credit facilities and short term investments, less amounts drawn on the bank and credit facilities including under the commercial paper program. The Company considers available liquidity a key measure in evaluating the sustainability of the Company's operations and ability to fund future growth. See note 8 - Long-term Debt in the Company's consolidated financial statements.

Special Note Regarding Currency, Financial Information and Production

This presentation should be read in conjunction with the unaudited interim consolidated financial statements for the three months ended March 31, 2021 and the Company's MD&A and audited consolidated financial statements for the year ended December 31, 2020. All dollar amounts are referenced in millions of Canadian dollars, except where noted otherwise. The Company's unaudited interim consolidated financial statements for the three months ended March 31, 2021 and the Company's MD&A have been prepared in accordance with IFRS as issued by the International Accounting Standards Board ("IASB").

Production volumes and per unit statistics are presented throughout the Company's MD&A on a "before royalties" or "company gross" basis, and realized prices are net of blending and feedstock costs and exclude the effect of risk management activities. In addition, reference is made to crude oil and natural gas in common units called barrel of oil equivalent ("BOE"). A BOE is derived by converting six thousand cubic feet ("Mcf") of natural gas to one barrel ("bbl") of crude oil (6 Mcf:1 bbl). This conversion may be misleading, particularly if used in isolation, since the 6 Mcf:1 bbl ratio is based on an energy equivalency conversion method primarily applicable at the burner tip and does not represent a value equivalency at the wellhead. In comparing the value ratio using current crude oil prices relative to natural gas prices, the 6 Mcf:1 bbl conversion ratio may be misleading as an indication of value. In addition, for the purposes of the Company's MD&A, crude oil is defined to include the following commodities: light and medium crude oil, primary heavy crude oil, Pelican Lake heavy crude oil, bitumen (thermal oil), and SCO. Production on an "after royalties" or "company net" basis is also presented for information purposes only.

The Company's 2021 targeted annual adjusted funds flow, free cash flow and net debt are based upon forecasted commodity prices of US\$60.47 WTI/bbl, WCS discount of US\$11.95/bbl, AECO price of C\$2.74/GJ and FX of US\$1.00 to C\$1.26. Forecasted net debt reflects estimated timing of cash receipts and expenditures.

Additional information relating to the Company, including its Annual Information Form for the year ended December 31, 2020, is available on SEDAR at www.sedar.com, and on EDGAR at www.sec.gov. Information on the Company's website does not form part of and is not incorporated by reference in the Company's MD&A.

A large graphic on the right side of the slide, consisting of two overlapping circles. The left circle is white and the right circle is blue. They overlap in the center, creating a white area. The background is a solid blue color.

Canadian Natural

PROVEN • EFFECTIVE • STRATEGY

Premium Value.
Defined Growth.
Independent.
Canadian Natural

**PEACE RIVER
2022 WELL INTEGRITY
PERFORMANCE
Scheme Approval No. 8143**

June 30, 2023



Agenda

- 2022 Well Integrity Summary
- Well Integrity Initiatives

2022 Well Integrity Summary

- No casing failures or well integrity issues on any thermal or utility wells.
- All disposal wells passed packer isolation tests as per Directive 087 requirements:
 - 102/14-25-085-19W5M [well 322] – Completed June 11, 2022 and passed.
 - 102/16-23-085-19W5M [well 323] – Completed June 10, 2022 and passed.
- Wellhead valve maintenance:
 - Valves are tested and repaired (if necessary) during any well intervention and/or cycle change.
- 05-19 Observation well status:
 - Zonally abandoned from Wilrich to the Notikewin perms as per Directive 020.
 - Pressure and temperature gauges installed to Notikewin sands for primary monitoring.
 - No irregular data indication (Data checked on April 27, 2022).

2022 Well Integrity Summary

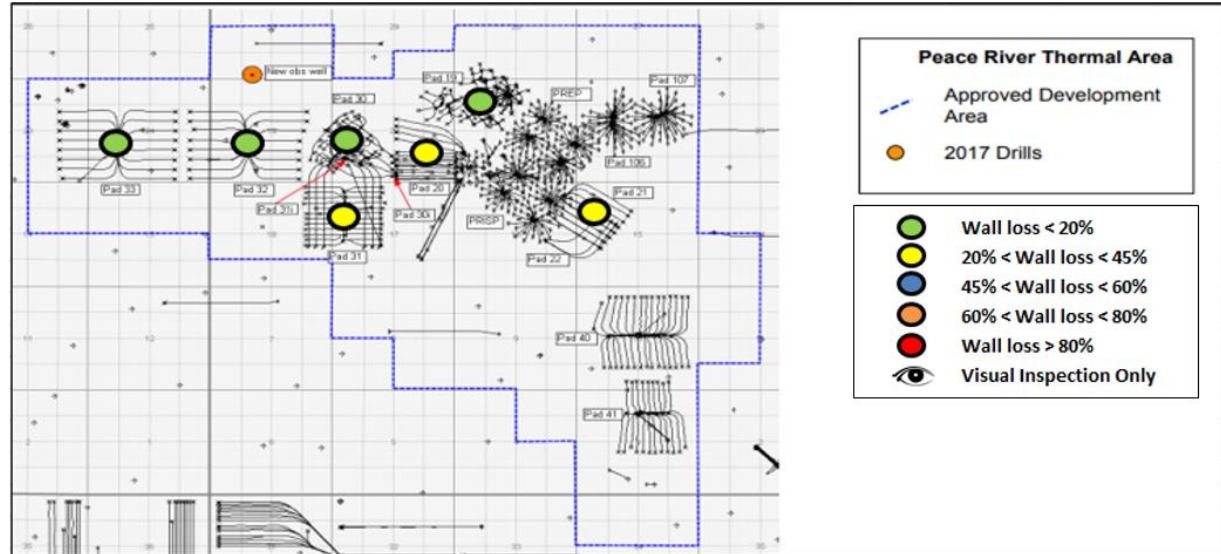
- Near surface external casing corrosion checks
 - All 32 wells on HP CSS pads 32 and 33 were UT scanned and recoated in November 2019.
 - Completed dilation steaming in October 2021.
 - Last bentonite check in April 2023 - all wells are still full of Enviroplug bentonite chips within 2-inches from surface.
- Casing integrity checks and logging
 - Plan to check injectors in older steamflood pads, which are currently steaming and are >10years old (pressure tests, corrosion logs)
 - Pad 30/31 completed in November 2022
 - Pad 20/21 in progress



2022 PEACE RIVER WELL INTEGRITY INITIATIVES

External Casing Inspections Methodology

- Laser map and pit gauge data was used to assess amount of wall loss on the 177.8mm intermediate casing.
- Ultrasonic thickness testing was performed on areas of intact parent material to confirm the nominal remaining wall thickness.
- New methodology for casing integrity assessment and repair decision making, which provides a more accurate estimation of the pressure rating of the casing as a result of the corrosion observed.



2022 Initiatives

- Canadian Natural has a protocol in place to address external, surface / intermediate, casing corrosion risk and its mitigation:
 - Continue to monitor for external corrosion on thermal wells; take appropriate action where potential concerns identified.
 - Additional sampling to acquire baseline data to allow for further progression of risk based approach.
 - Revise maintenance and inspection schedule based on results / data as warranted.
 - Annual Bentonite top up program in place.



Canadian Natural

PROVEN • EFFECTIVE • STRATEGY