



FOURTH QUARTER 2023

Median Reserves Acquisition Price
\$4.13/boe

Median Production Acquisition Price
\$26,907/boe/d

Enterprise Value of Transactions
\$6.5 billion

Assets and Companies for Sale
\$1.9 billion



**CANADIAN OIL INDUSTRY
MERGER AND ACQUISITION REPORT**

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CANADIAN OIL INDUSTRY MERGER AND ACQUISITION REPORT

HIGHLIGHTS

FOURTH QUARTER 2023

Median Reserves Acquisition Price \$4.13/boe	Enterprise Value of Transactions \$6.5 billion
Median Production Acquisition Price \$26,907/boe/d	Assets and Companies for Sale \$1.9 billion

Purchaser	Acquisition	Enterprise Value	Acquisition Price		Page Number
		\$MM	\$/boe	\$/boe/d	
Caltex	International Petroleum assets	\$20.06	\$33.43	\$54,959	32
Cardinal	Summerland assets	\$25.00	\$4.00	\$27,778	34
Crescent Point	Hammerhead	\$2,650.95	\$7.59	\$49,836	36
Mancal	Tamarack Valley assets	\$123.00	\$2.53	\$15,000	38
Pine Cliff	Certus	\$100.00	\$1.88	\$18,868	40
Pointbreak	Perpetual assets	\$35.80	\$5.34	\$26,036	42
Suncor	TotalEnergies EP Canada	\$1,468.00	\$2.16	\$29,360	44
Tourmaline	Bonavista	\$1,450.00	\$3.05	\$24,167	46
Tourmaline	White Horse assets	\$19.10	\$1.96	\$32,101	48
Whitecap	Baytex assets	\$153.80	\$8.12	\$33,175	50

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M&A VALUE UP 210% QUARTER-OVER-QUARTER

The total M&A activity in the fourth quarter of 2023 was approximately \$6.5 billion, up 210% from the \$2.1 billion of total enterprise value of M&A activity recorded in the third quarter of 2023. In the fourth quarter of 2022, the total enterprise value was approximately \$3.5 billion. There were three transactions valued at over \$1.0 billion in the fourth quarter of 2023 which accounted for over 85% of the total M&A value.

The largest transaction this quarter was Crescent Point Energy Corp.'s acquisition of publicly-held Hammerhead Energy Inc. for approximately \$2.7 billion (page 36). Hammerhead's main producing properties were located in the Gold Creek and Karr areas of Alberta. Crescent Point has identified 800 net Montney drilling locations on the Hammerhead lands. With this acquisition, Crescent Point became the seventh largest exploration and production company in Canada with over 200,000 boe/d (65% oil and liquids) of production. Crescent Point financed a portion of the acquisition through a \$500.0 million bought deal equity financing at a price of \$10.30 per share.

The second largest transaction in the quarter was Suncor Energy Inc.'s acquisition of TotalEnergies EP Canada Ltd. for approximately \$1.5 billion (page 44). TotalEnergies EP Canada's main producing property was its 31.23% working interest in the Fort Hills Oil Sands Project operated by Suncor. On April 26, 2023, Suncor initially announced it had entered into an agreement with TotalEnergies for the sale of all of the shares of TotalEnergies EP Canada for \$5.5 billion in cash plus a contingent payment of up to \$600.0 million. The transaction with Suncor was conditional upon ConocoPhillips waiving its right of first refusal with respect to the Surmont Oil Sands Project. On May 26, 2023, ConocoPhillips exercised its preemption right to acquire the interest from TotalEnergies for \$4.0 billion and contingent payments of up to \$440.0 million. Suncor financed the acquisition of TotalEnergies EP Canada through an offering of \$1.5 billion in aggregate principal amount of senior unsecured notes. The offering was comprised of two tranches, consisting of \$1.0 billion principal amount, of Series 9 Medium Term notes due on November 17, 2025 with a coupon rate of 5.60% and \$500.0 million principal amount, of Series 10 Medium Term Notes due on November 17, 2026 with a coupon rate of 5.40%.

Another significant transaction announced in the quarter was Tourmaline Oil Corp.'s purchase of privately-held Bonavista Energy Corporation for approximately \$1.5 billion (page 46). Bonavista's main producing properties were located in the Ansell, Garrington, Hoadley, Marlboro, Medicine Lodge, Morningside, Pine Creek, Rosevear, Strachan, Westeros, Willesden Green and Wilson Creek areas of Alberta. With this acquisition, Tourmaline was forecasting to exit 2023 with production of over 600,000 boe/d (76% natural gas).

The number of large transactions (over \$5.0 million in value) in the fourth quarter of 2023 increased to 24 deals from 14 in the third quarter of 2023. With the significant increase in both the enterprise value as well as the number of transaction in the fourth quarter, the average deals size for large transactions increased to \$268.8 million, last quarter it was \$146.3 million.

Of the 24 large transaction in the fourth quarter, there were six corporate transactions and 18 property deals, with total enterprise values of \$5.7 billion and \$725.7 million, respectively. Last quarter there were seven corporate deals valued at \$1.1 billion and seven property transactions valued at \$977.6 million. Of the approximately \$6.4 billion in large transactions in the quarter 19 deals were oil-weighted and five transactions were weighted towards natural gas, with total enterprise values of approximately \$2.1 billion and \$4.3 billion respectively.

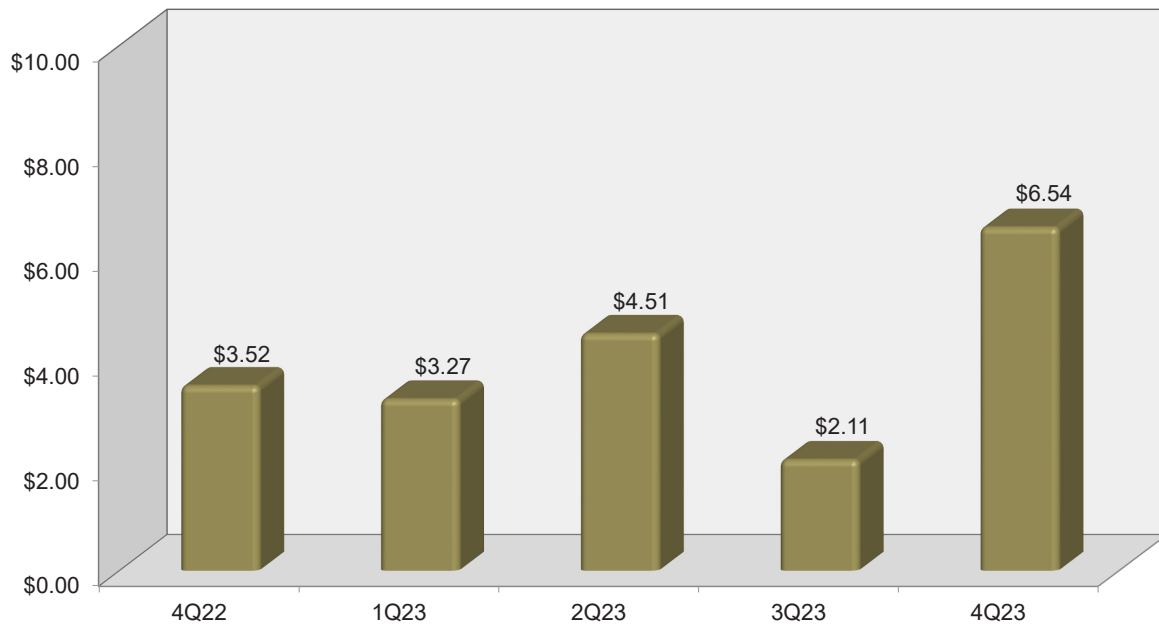
The median acquisition price paid per flowing barrel decreased 4% to \$26,907/boe/d in the fourth quarter of 2023 from \$28,025/boe/d in the third quarter of 2023. The median acquisition price for proven plus probable reserves decreased 30% quarter-over-quarter to \$4.13/boe from \$5.93/boe in the third quarter of 2023.

In the fourth quarter of 2023, the median price paid for oil-weighted transactions was \$27,778/boe/d versus \$24,167/boe/d for natural gas transactions, a spread of \$3,611/boe/d. In the third quarter of 2023 the spread was \$745/boe/d towards oil. On a proved plus probable reserves basis, the spread between oil and natural gas was also in favour of oil. The median acquisition price for oil in the fourth quarter of 2023 was \$5.34/boe and \$2.53/boe for natural gas, a spread of \$2.81 towards oil. During the third quarter of 2023, the spread was \$5.39.

An interesting trend we witnessed in the fourth quarter of 2023 was a significant number of privately-held companies announcing acquisitions. Allied Energy II Corp. (page 29), BTG Energy Corporation (page 29), Caltex Trilogy Inc. (page 32), Durham Creek Energy Ltd. (page 29), Karve Energy Inc. (page 30), Mancal Energy Inc. (page 38), Pointbreak Resources Inc. (page 42) and Primal Resources Ltd. (page 30) all announced asset acquisitions in the fourth quarter of 2023. With strong oil prices forecasted to remain for the foreseeable future, we will likely continue to see strong M&A activity continuing in 2024.

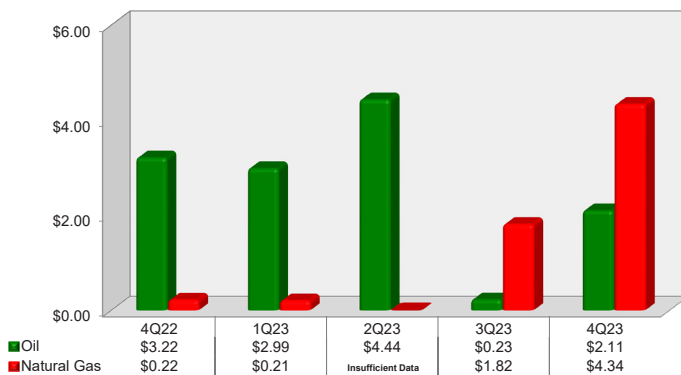
M&A ENTERPRISE VALUE

M&A Enterprise Value of Transactions - \$Billions

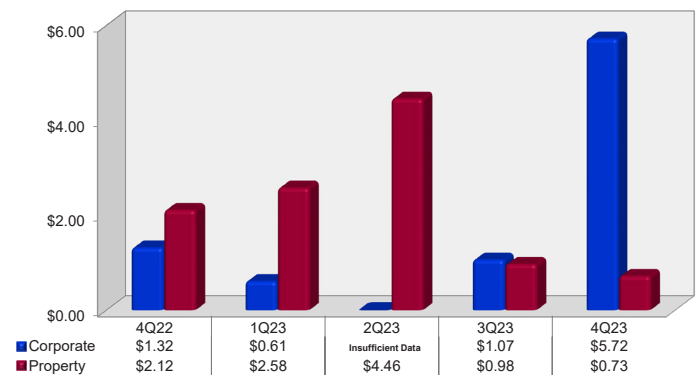


The total M&A enterprise value (large and small deals) in the fourth quarter of 2023 more than doubled to \$6.5 billion from the \$2.1 billion recorded in the third quarter of 2023, a 210% increase. On a year-over-year basis, the enterprise value in the fourth quarter rose 86% from the \$3.5 billion recorded in the fourth quarter of 2022.

M&A Enterprise Value - \$Billions
Oil vs. Natural Gas



M&A Enterprise Value - \$Billions
Corporate vs. Property

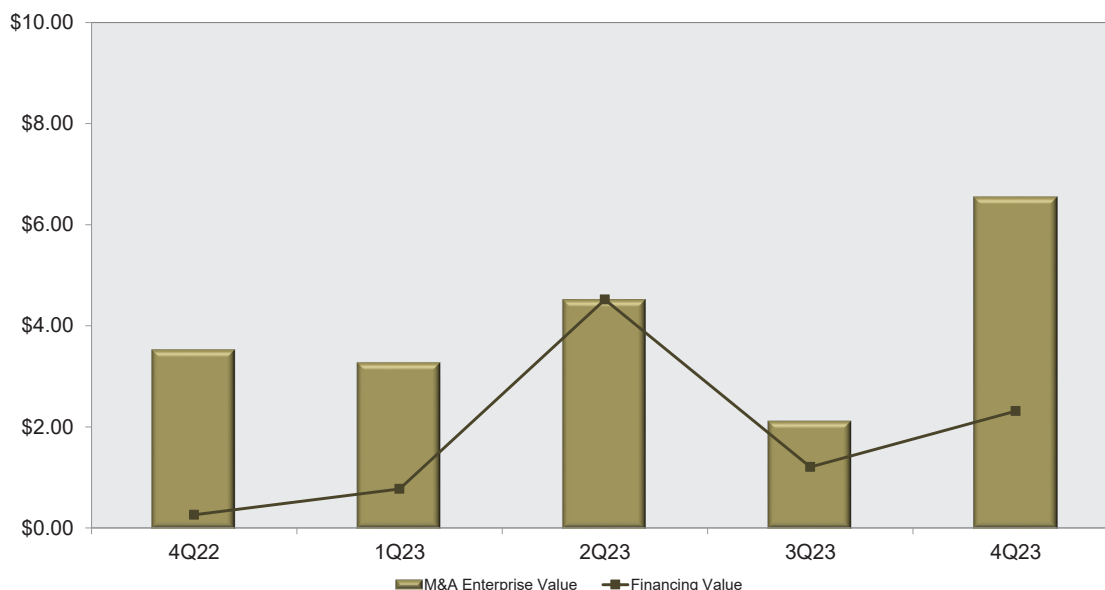


The enterprise value for large oil-weighted transactions valued at over \$5.0 million jumped 814% to \$2.1 billion in the fourth quarter of 2023 from the \$230.4 million calculated in the third quarter of 2023. The enterprise value for large natural gas-weighted transactions in the fourth quarter also rose in the fourth quarter of 2023, increasing 139% to \$4.3 billion from the \$1.8 billion recorded in the third quarter of 2023.

Corporate transactions valued at over \$5.0 million jumped 434% to \$5.7 billion in the fourth quarter from \$1.1 billion in the third quarter of 2023. The enterprise value for property transactions valued at over \$5.0 million fell 26% to \$725.7 million in the fourth quarter of 2023 from \$977.6 million in the prior quarter.

TOTAL FINANCINGS VERSUS M&A ENTERPRISE VALUE

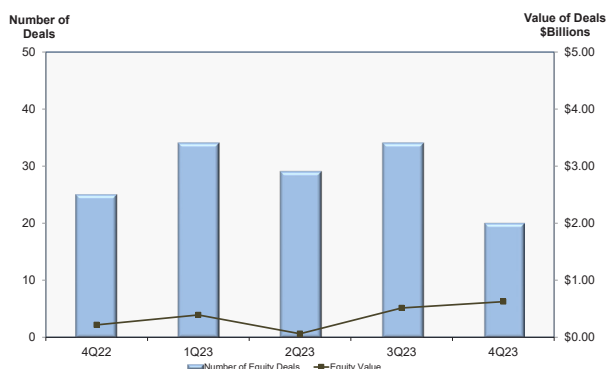
Enterprise Value of Transactions Relative to Total Value of Financings - \$Billions



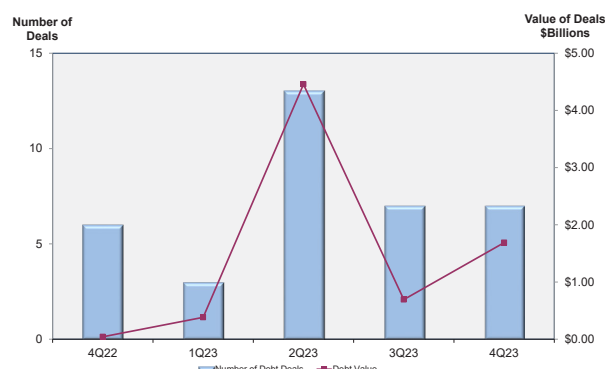
The total value of financings in the fourth quarter of 2023 increased 92% to \$2.3 billion from \$1.2 billion in the third quarter of 2023. The total number of financings in the fourth quarter of 2023 was 27, compared to 41 in the previous quarter.

The amount of equity raised in the fourth quarter of 2023 was approximately \$624.0 million, compared to \$513.5 million in the third quarter of 2023. The total number of equity financings in the fourth quarter was 20, compared to 34 in the third quarter of 2023. Debt financings jumped to \$1.7 billion in the fourth quarter from \$693.2 million in the third quarter. The total number of debt financings in the fourth quarter was seven, the same as the previous quarter.

Equity Financings Value - \$Billions



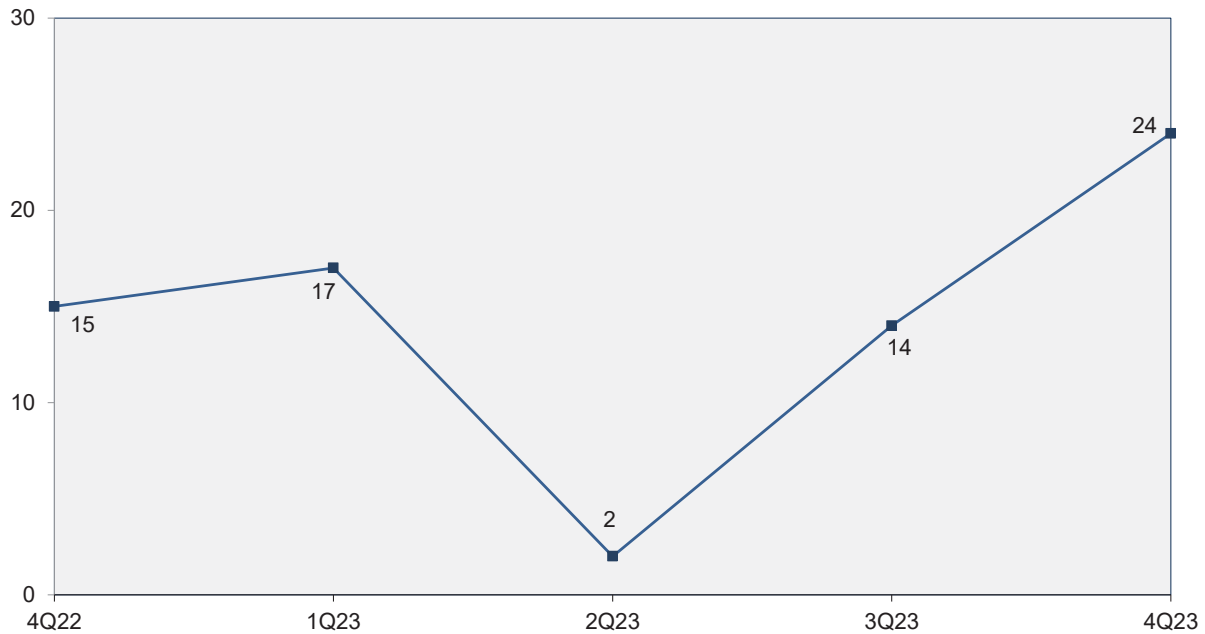
Debt Financings Value - \$Billions



The largest equity offering in the quarter was Crescent Point's bought deal equity financing through the issuance of 48,550,000 common shares at a price of \$10.30 per common share for gross proceeds of approximately \$500.0 million. Proceeds of the offering were used towards the acquisition of Hammerhead for approximately \$2.7 billion (page 36).

Suncor raised \$1.5 billion this quarter with two separate debt issues in November. Suncor completed a senior unsecured note offering of \$1.0 billion with a two-year term and a coupon rate of 5.60% and a senior unsecured note offering of \$500.0 million with a three-year term and a coupon rate of 5.40%. Proceeds from the financing were used towards the acquisition of TotalEnergies EP Canada for approximately \$1.5 billion (page 44).

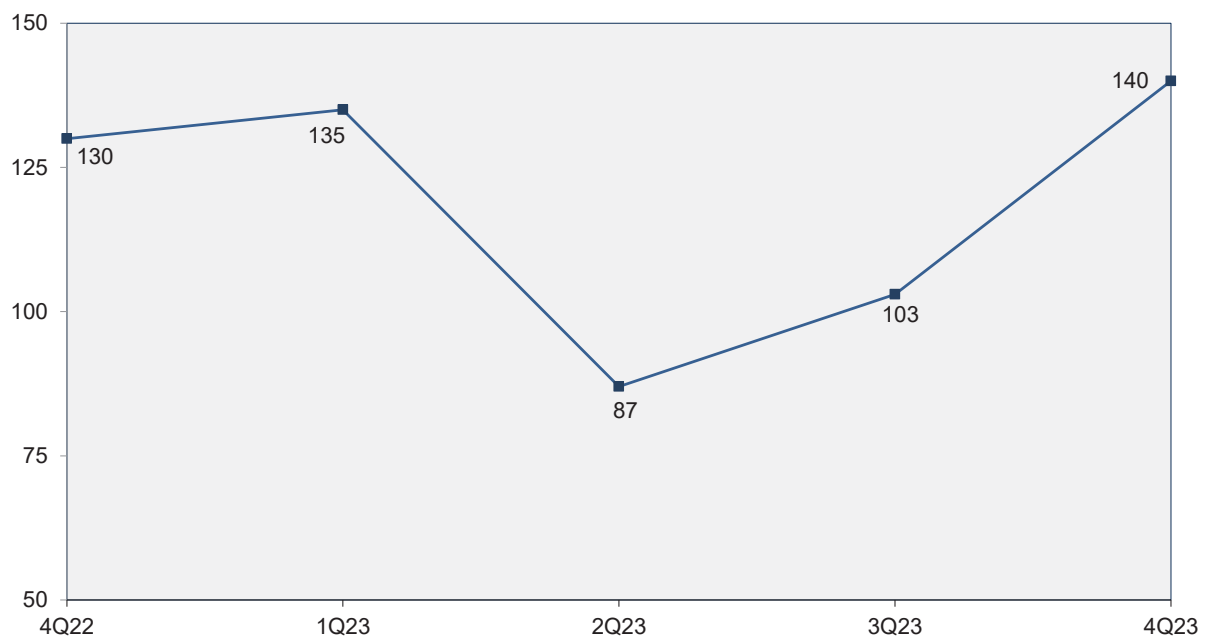
Number of Transactions Over \$5.0 Million



The number of large transactions (valued at over \$5 million in size) was 24 in the fourth quarter of 2023, up 71% from the 14 deals recorded in the previous quarter. The average deal size for large transactions in the fourth quarter was approximately \$268.8 million compared to \$146.3 million last quarter. There were six large corporate transactions and 18 large property transactions in the fourth quarter, with average deal sizes of approximately \$954.0 million and \$40.3 million, respectively. The enterprise value of large transactions this quarter was \$6.4 billion compared to approximately \$2.0 billion in the previous quarter.

The number of small deals (under \$5 million in size) increased 36% to 140 in the fourth quarter of 2023 from the 103 recorded last quarter. The total value of small deals rose 40% on a quarter-over-quarter basis to approximately \$90.0 million from \$63.8 million.

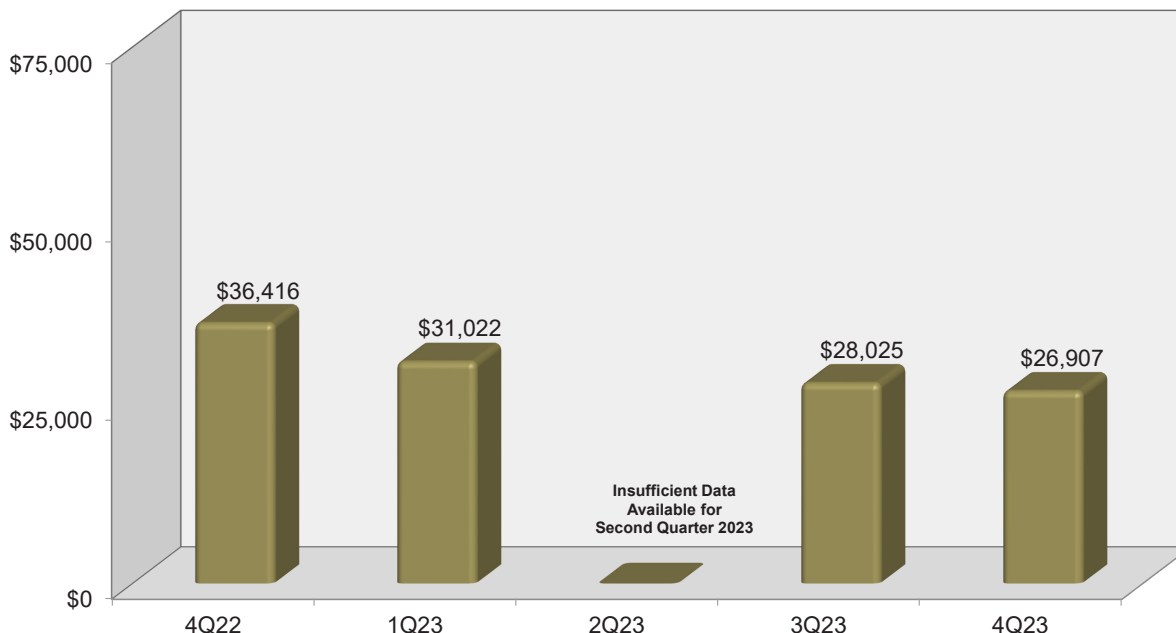
Number of Transactions Under \$5.0 Million



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MEDIAN PRODUCTION ACQUISITION PRICE

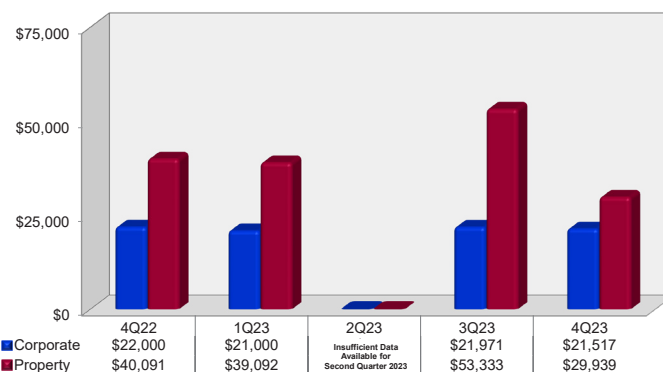
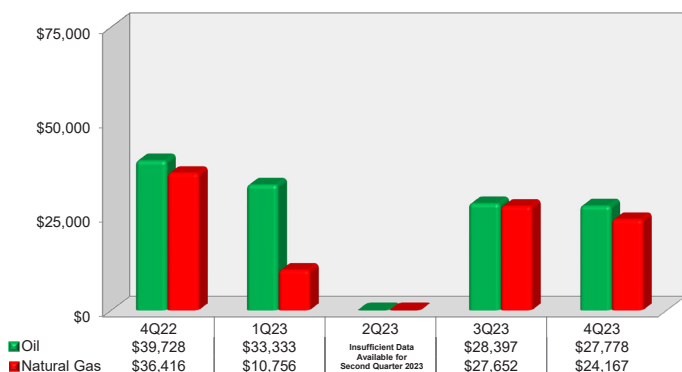
Median Production Acquisition Price - \$/boe/d



The median acquisition price per producing barrel of oil equivalent decreased 4% to \$26,907/boe/d in the fourth quarter of 2023 from the third quarter price of \$28,025/boe/d. On a year-over-year basis, the median acquisition price for production is down 26% from the \$36,416/boe/d recorded in the fourth quarter of 2022.

Median Production Acquisition Price - \$/boe/d
Oil vs. Natural Gas

Median Production Acquisition Price - \$/boe/d
Corporate vs. Property



The median price paid for oil production decreased 2% to \$27,778/boe/d in the fourth quarter of 2023 from \$28,397/boe/d in the third quarter. The median price paid for natural gas-weighted transactions on a \$/boe/d basis decreased 13% to \$24,167/boe/d from \$27,652/boe/d. There were 19 large oil-weighted transactions and five large natural gas-weighted transactions this quarter.

The median price paid for production for corporate transactions dipped 2% in the fourth quarter to \$21,517/boe/d from \$21,971/boe/d in the third quarter of 2023. The median production price paid for property transactions also fell this quarter, decreasing 44% to \$29,939/boe/d from \$53,333/boe/d. There were six large corporate transactions and 18 large property transactions in the fourth quarter of 2023.

A transaction that is representative of the median acquisition price on a \$/boe/d basis was Pointbreak's acquisition of assets in the Mannville area of Alberta from Perpetual Energy Inc. for \$26,036/boe/d (page 42). Proceeds from the sale will be used by Perpetual to reduce bank debt and manage future maturities on its term loan and senior notes and other obligations as they come due, as well as provide Perpetual with the liquidity to invest in its remaining assets at East Edson and pursue other new venture opportunities. Pointbreak financed the acquisition through a \$40.0 million private placement equity financing.

Another transaction that is representative of the median acquisition price on a \$/boe/d basis was Tourmaline's previously mentioned purchase of Bonavista for \$24,167/boe/d (page 46). Bonavista's main producing properties were located in the Ansell, Garrington, Hoadley, Marlboro, Medicine Lodge, Morningside, Pine Creek, Rosevear, Strachan, Westeros, Willesden Green and Wilson Creek areas of Alberta. With this acquisition, Tourmaline was forecasting to exit 2023 with production of over 600,000 boe/d (76% natural gas). This was one of two transactions announced by Tourmaline in the quarter as it also acquired assets from White Horse Resources Ltd. for \$32,101/boe/d (page 48). The assets acquired from White Horse are located in the Resthaven-Kakwa area of Alberta. The acquisition expands lands and inventory adjacent to a Cardium oil discovery made by Tourmaline in the first quarter of 2023. Tourmaline has identified over 75 drilling locations on the White Horse assets.

The highest-priced transaction on a production basis was Caltex's acquisition of assets in the John Lake area of Alberta from International Petroleum Corporation for \$54,959/boe/d. (page 32).

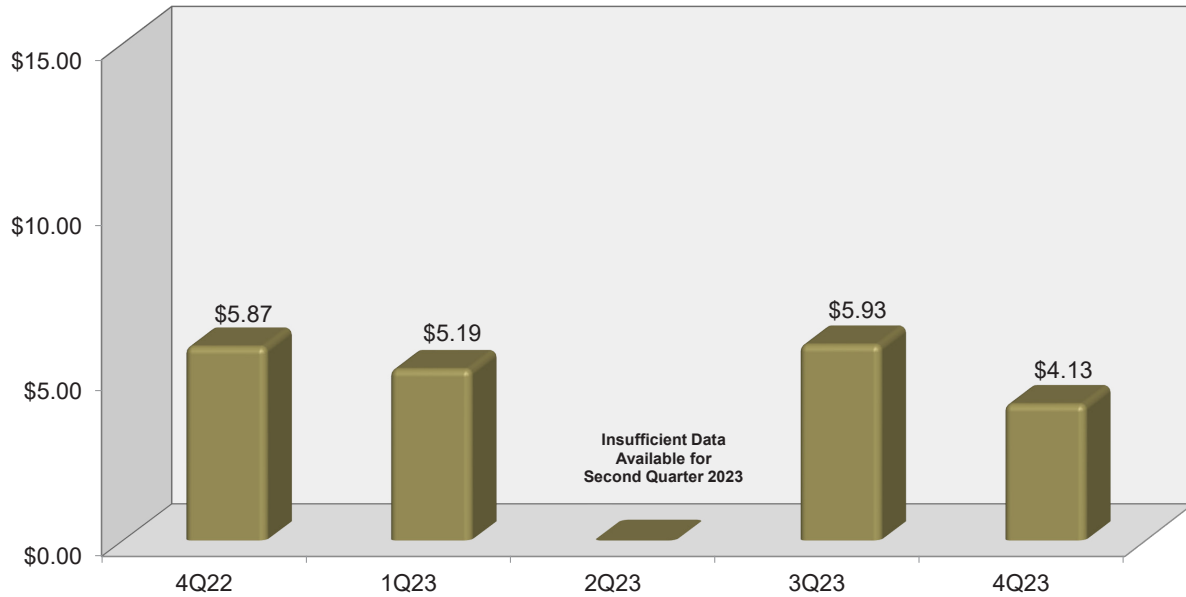
The highest-priced corporate transaction on a production basis was Crescent Point's previously mentioned acquisition of Hammerhead for \$49,836/boe/d (page 36). Hammerhead's main producing properties were located in the Gold Creek and Karr areas of Alberta. Crescent Point has identified 800 net Montney drilling locations on the Hammerhead lands. With this acquisition, Crescent Point became the seventh largest exploration and production company in Canada with over 200,000 boe/d (65% oil and liquids) of production. Crescent Point financed a portion of the acquisition through a \$500.0 million bought deal equity financing at a price of \$10.30 per share.

The second highest-priced asset transaction on a production basis was Whitecap Resources Inc.'s acquisition of assets from Baytex Energy Corp. for \$33,175/boe/d (page 50). The assets acquired are located in the Forgan and Plato areas of southwestern Saskatchewan and production is predominantly from the Viking Formation. Baytex used the proceeds from the sale to reduce its debt outstanding. Whitecap has identified over 400 net drilling locations on the properties. Whitecap stated that the properties were producing 4,000 bbl/d of oil at closing. If this production number is used in our analysis the acquisition price on a \$/boe/d basis would increase to \$38,450/boe/d.

The lowest-priced transaction on a production basis was Mancal's acquisition of assets from Tamarack Valley Energy Ltd. for \$15,000/boe/d (page 38). The assets acquired are located in the Alder Flats, Westeros and Wilson Creek areas of Alberta and production is predominantly from the Cardium and Leduc formations. Tamarack Valley used the proceeds from the sale to reduce its debt outstanding. Tamarack Valley stated that the assets at closing were producing approximately 7,000 boe/d. If this production number is used in our analysis the acquisition price on a \$/boe/d basis would increase to \$17,571/boe/d.

MEDIAN RESERVES ACQUISITION PRICE

Median Reserves Acquisition Price - \$/boe P+P

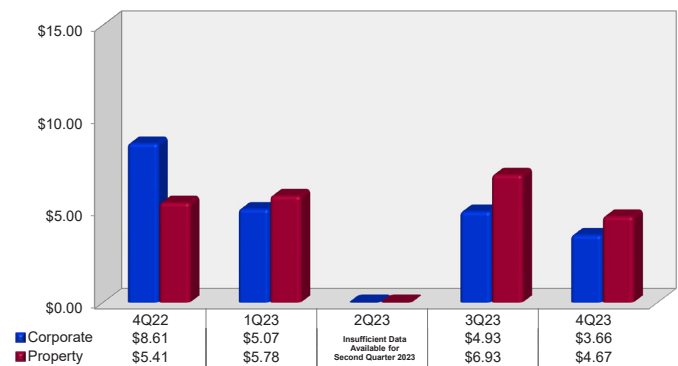


The median acquisition price for proven plus probable reserves decreased 30% to \$4.13/boe this quarter from the \$5.93/boe calculated in the third quarter of 2023. On a year-over-year basis, the price for proven plus probable reserves decreased 30% from the \$5.87/boe recorded in the fourth quarter of 2022.

Median Reserves Acquisition Price - \$/boe P+P
Oil vs. Natural Gas



Median Reserves Acquisition Price - \$/boe P+P
Corporate vs. Property



The price paid for oil-weighted transactions fell 37% to \$5.34/boe in the fourth quarter of 2023 from the \$8.53/boe calculated in the previous quarter. The price paid for natural gas-weighted transactions dropped to \$2.53/boe from the \$3.14/boe recorded in the third quarter of 2023, a 19% decrease.

The median reserves acquisition price paid for corporate transactions in the fourth quarter of 2023 decreased 26% to \$3.66/boe from the \$4.93/boe paid in the third quarter of 2023. The price paid for property transactions dropped to \$4.67/boe in the fourth quarter compared to the \$6.93/boe calculated last quarter, a 33% decrease.

A transaction that is representative of the median reserves acquisition price on a \$/boe basis was Cardinal Energy Ltd.'s acquisition of assets from Summerland Energy Inc. for \$4.00/boe (page 34). The assets acquired are located in the Buffalo-Figure Lake and Mitsue areas of Alberta. The acquisition includes the consolidation of working interests at Mitsue and approximately 500 bbl/d of Clearwater heavy oil production at Buffalo-Figure Lake with up to 25 associated development drilling locations. The acquisition is synergistic with Cardinal's existing operations.

A corporate transaction that is representative of the median reserves acquisition price on a \$/boe basis was Tourmaline's previously mentioned acquisition of Bonavista for \$3.05/boe (page 46). Bonavista's main producing properties were located in the Ansell, Garrington, Hoadley, Marlboro, Medicine Lodge, Morningside, Pine Creek, Rosevear, Strachan, Westeros, Willesden Green and Wilson Creek areas of Alberta. With this acquisition, Tourmaline was forecasting to exit 2023 with production of over 600,000 boe/d (76% natural gas). This was one of two transactions announced by Tourmaline in the quarter as it also acquired assets from White Horse for \$1.96/boe (page 48). The assets acquired from White Horse are located in the Resthaven-Kakwa area of Alberta. The acquisition expands lands and inventory adjacent to a Cardium oil discovery made by Tourmaline in the first quarter of 2023. Tourmaline has identified over 75 drilling locations on the White Horse assets. Tourmaline estimated that as of July 1, 2023, the White Horse assets held approximately 4.3 MMboe of proved plus probable reserves. If these reserve numbers are used in our analysis the price on a proved plus probable reserve basis would increase to \$4.46/boe.

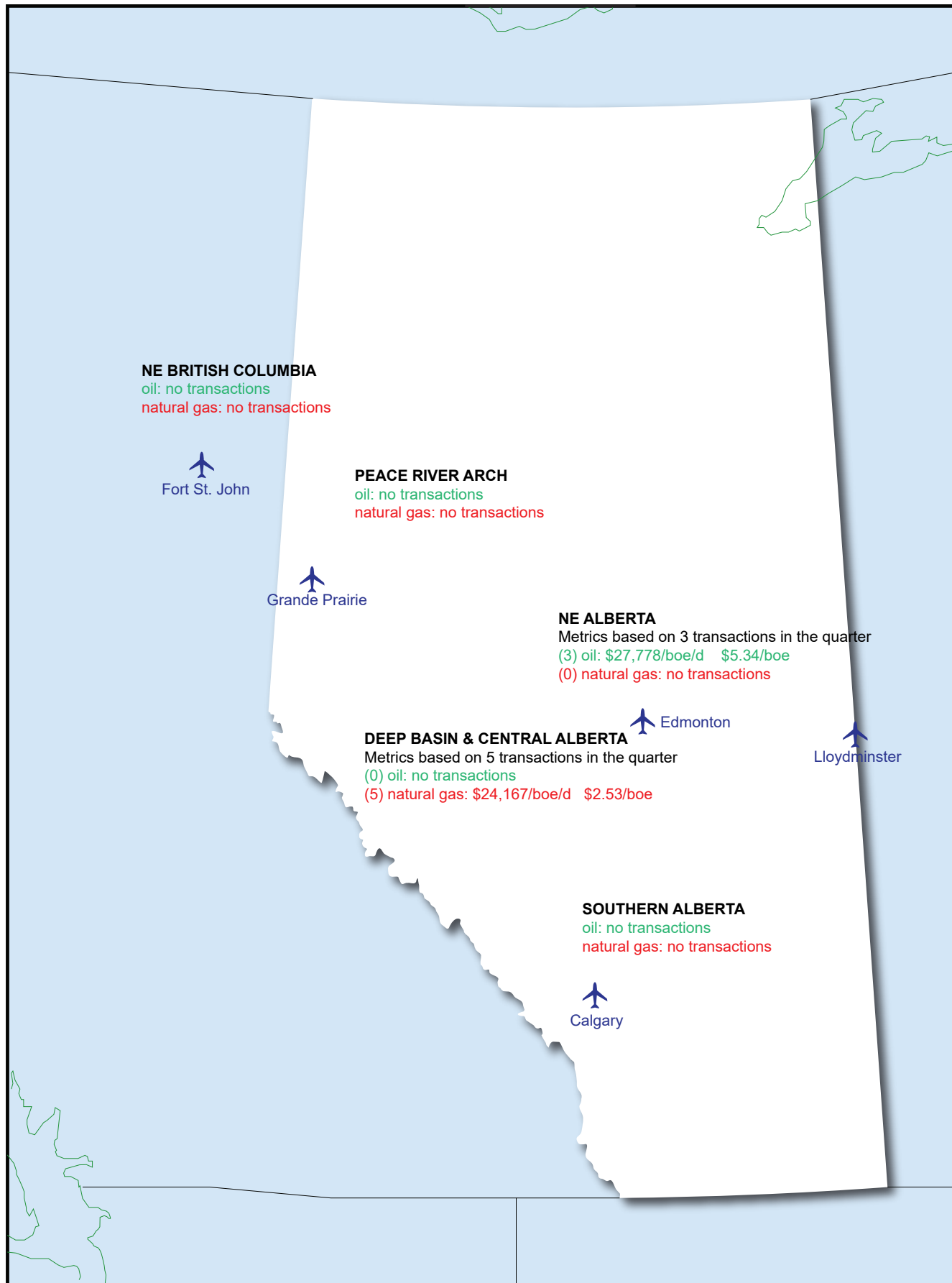
The highest-priced transaction on a reserves basis was Caltex's previously mentioned acquisition of assets in the John Lake area of Alberta from International Petroleum for \$33.43/boe. (page 32).

Another high-priced property transaction on a reserves basis was Whitecap's previously mentioned purchase of assets from Baytex for \$8.12/boe (page 50). The assets acquired are located in the Forgan and Plato areas of southwestern Saskatchewan and production is predominantly from the Viking Formation. Baytex used the proceeds from the sale to reduce its debt outstanding. Whitecap has identified over 400 net drilling locations on the properties.

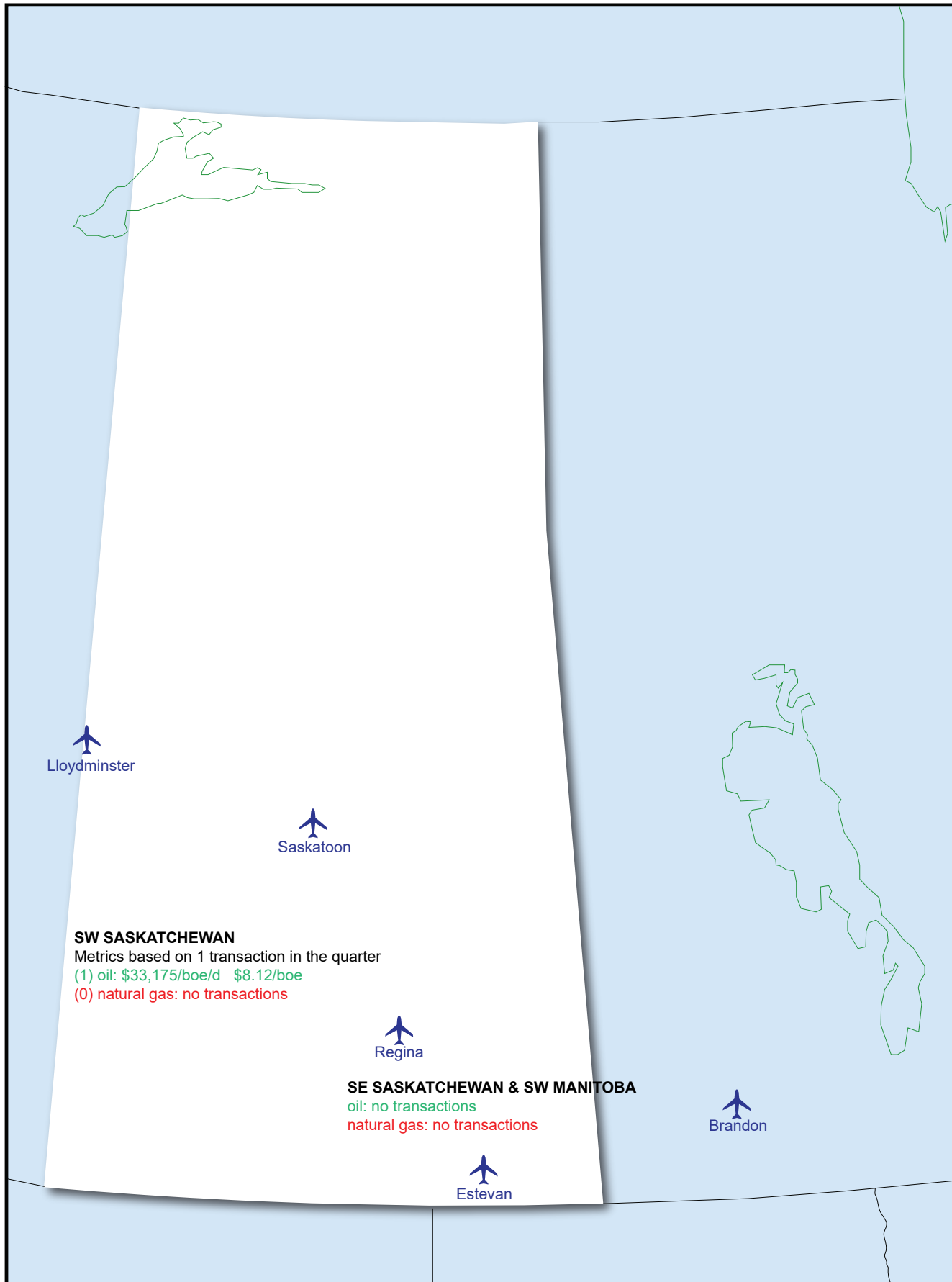
The lowest-priced transaction on a reserves basis was Pine Cliff Energy Ltd.'s takeover of privately-held Certus Oil & Gas Inc. for \$1.88/boe (page 40). Certus' main producing property was located in the Caroline area of Alberta. Pine Cliff has identified 31 gross (15.4 net) Deep Basin liquids rich natural gas and oil development locations on the Certus lands. Pine Cliff financed the acquisition through a combination of cash on hand as well as a three-year secured term debt facility provided by a private institutional investor in the amount of approximately \$56.3 million. The term debt facility has a coupon rate of Canadian Prime Rate plus 3.65% and includes scheduled amortization with options for prepayment after twelve months.

Another low-priced transaction on a production basis was Mancal's previously mentioned acquisition of assets from Tamarack Valley for \$2.53/boe (page 38). The assets acquired are located in the Alder Flats, Westeros and Wilson Creek areas of Alberta and production is predominantly from the Cardium and Leduc formations. Tamarack Valley used the proceeds from the sale to reduce its debt outstanding.

PRODUCTION AND RESERVE METRICS BY AREA

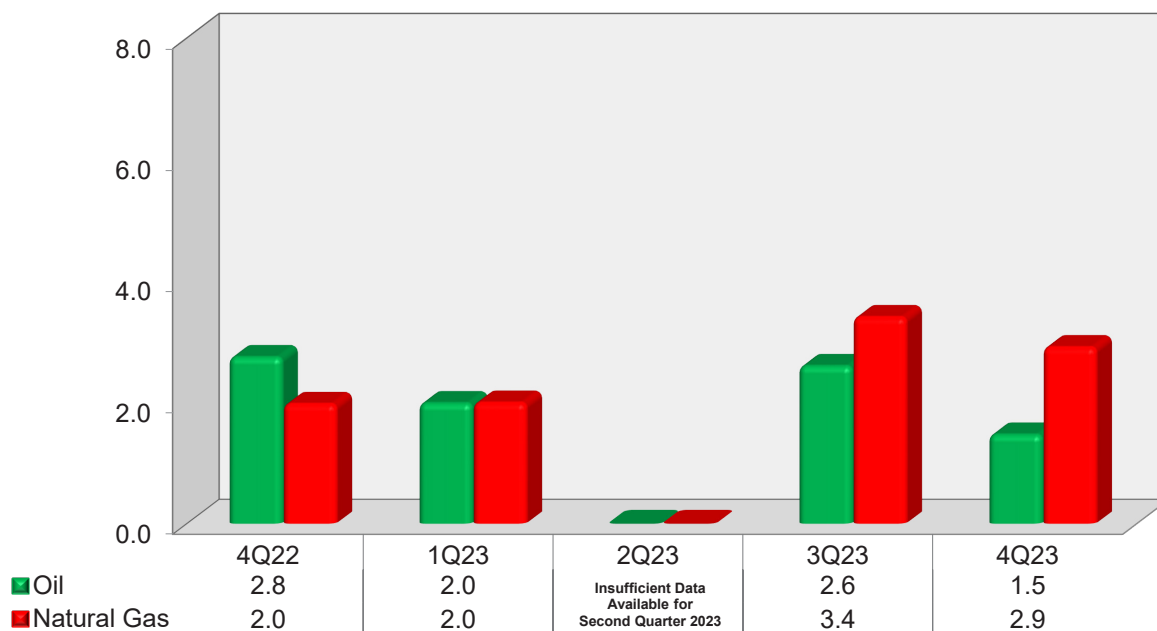


PRODUCTION AND RESERVE METRICS BY AREA



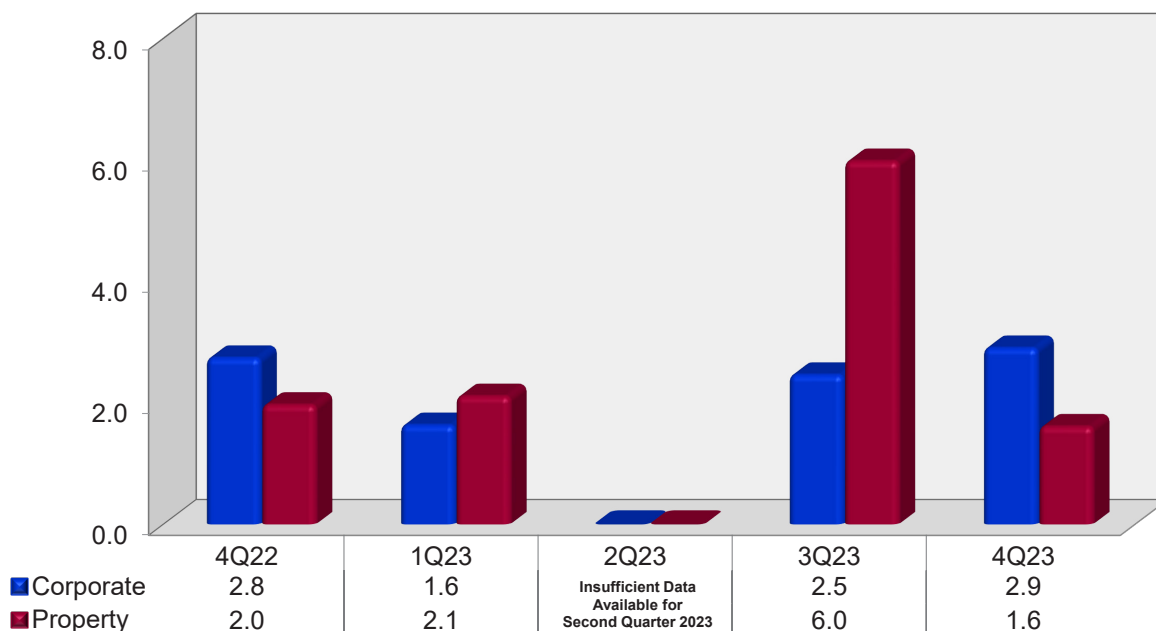
CASH FLOW MULTIPLES

Median Acquisition Operating Cash Flow Multiples
Oil vs. Natural Gas



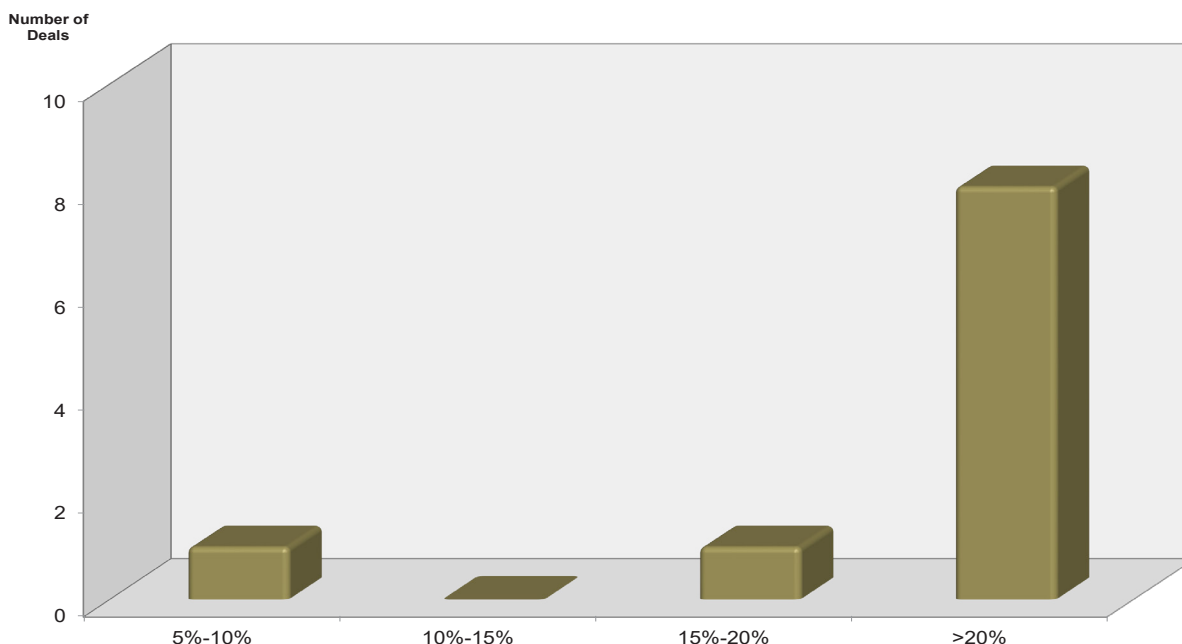
The median operating cash flow multiple for oil-weighted transactions in the fourth quarter of 2023 was 1.5, down 42% from the 2.6 recorded in the third quarter. The median operating cash flow multiple for natural gas-weighted transactions in the fourth quarter of 2023 dropped 15% to 2.9 from 3.4 in the third quarter.

Median Acquisition Operating Cash Flow Multiples
Corporate vs. Property



The median operating cash flow multiple for corporate transactions in the fourth quarter of 2023 increased to 2.9, compared to the 2.5 recorded in the third quarter. The median operating cash flow multiple for property transactions in the fourth quarter of 2023 dropped to 1.6 from the 6.0 recorded in the third quarter. Care should be taken in drawing conclusions on operating cash flow multiples, given that the cash flow assumptions that were available for this analysis are not the same for every transaction.

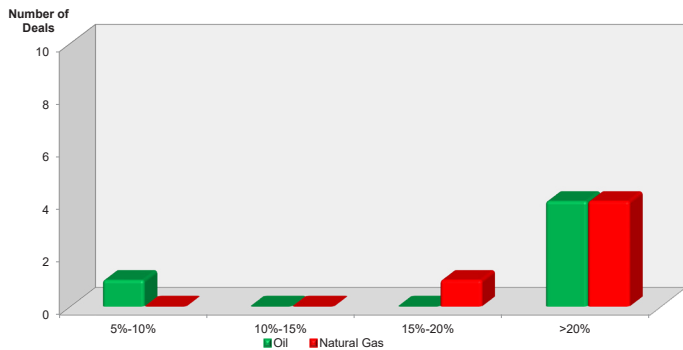
DISCOUNTED CASH FLOW RATES



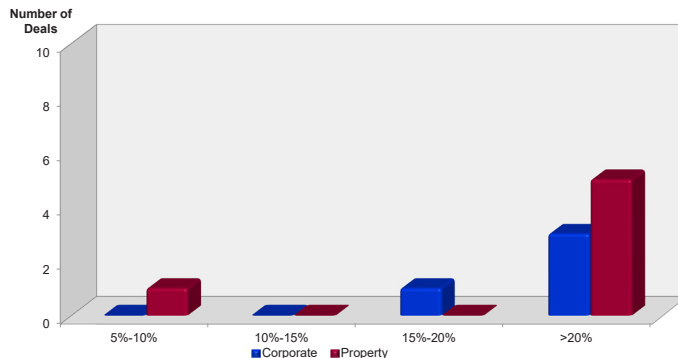
The discounted cash flow (“DCF”) rates on a proven plus probable basis have been analyzed for 10 transactions in the fourth quarter of 2023.

Care should be taken in drawing conclusions on DCF rates, given that the price forecasts in the engineering reports that were available for this analysis are not the same for each transaction. If price forecasts could be matched to current reserve evaluations at the time of the transactions, a more accurate representation of the DCF rates would exist.

Discounted Cash Flow Rate
Oil vs. Natural Gas



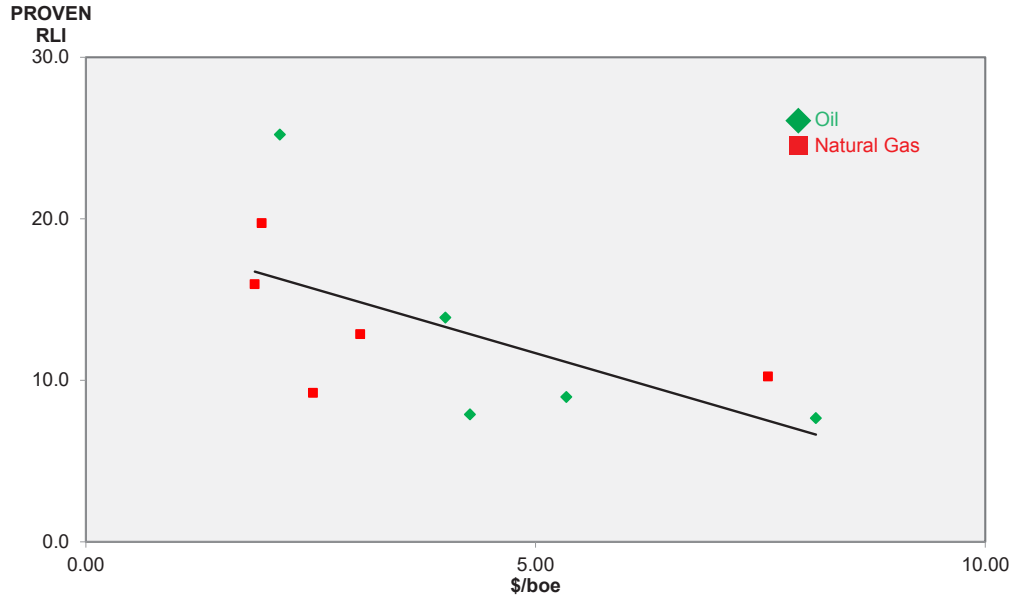
Discounted Cash Flow Rates
Corporate vs. Property



RESERVE LIFE INDEX COMPARED TO M&A PRICES

The graphs below show the relationship between proven RLI and acquisition prices paid on a reserves and production basis during the fourth quarter of 2023. The RLI is calculated by dividing the total proven reserves by the annualized production.

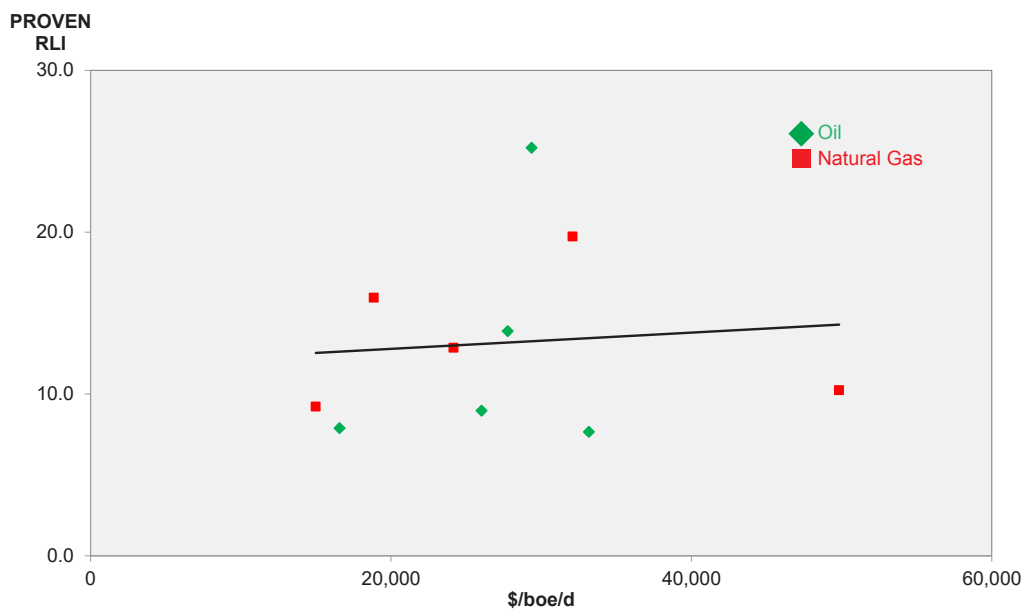
Proven RLI vs. \$/boe



The trend line for RLI versus reserve acquisition prices (\$/boe) illustrated above shows a negative correlation between the RLI and price paid for reserves on a \$/boe basis in that as RLI decreases, reserves acquisition costs increase.

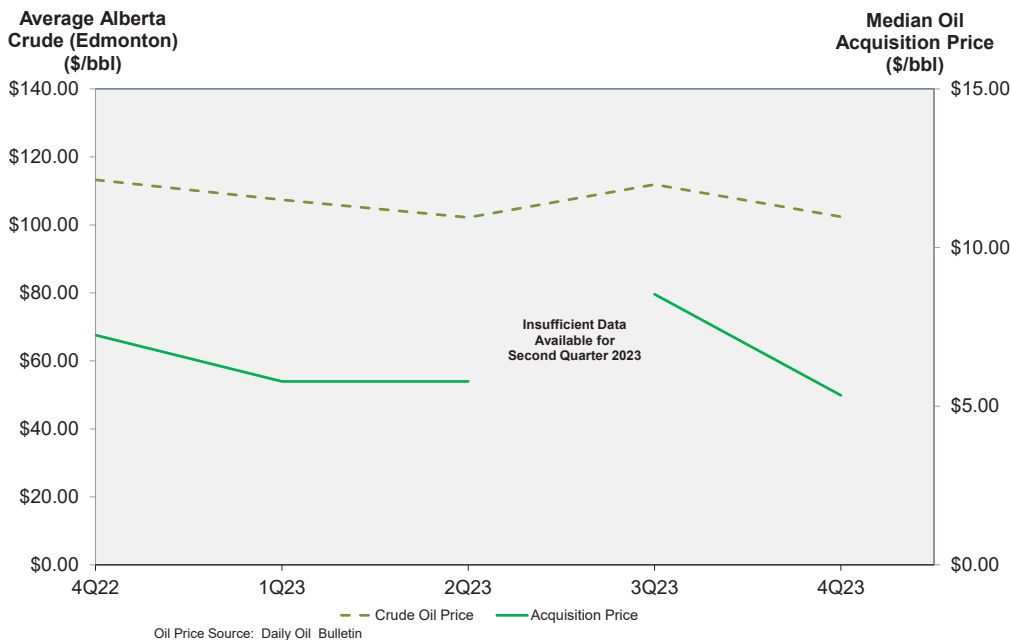
The chart for RLI versus production acquisition prices (\$/boe/d) illustrated below shows a positive correlation, in that as RLI increases, production acquisition costs increase.

Proven RLI vs. \$/boe/d



CORRELATION OF M&A PRICES AND COMMODITY PRICES

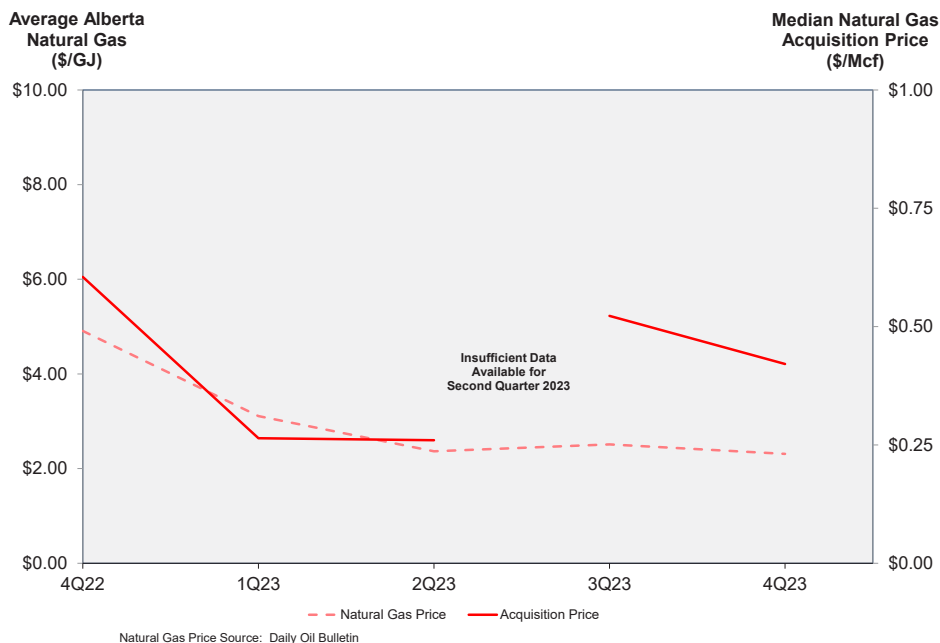
Oil Acquisition Price vs. Crude Oil Price



The preceding graph shows the average Alberta spot crude oil price based on par quality at Edmonton, versus the median proven plus probable reserve oil acquisition price calculated by Sayer Energy Advisors. As illustrated in the graph above, oil prices have fallen slightly quarter-over-quarter while acquisition prices have dropped considerably.

The graph below shows the average Alberta natural gas price (AECO-C) versus the median proven plus probable reserve natural gas acquisition price calculated by Sayer Energy Advisors. As illustrated in the graph below, the price of natural gas has remained relatively stable but acquisition prices have fallen quarter-over-quarter.

Natural Gas Acquisition Price vs. Alberta Natural Gas Price



PRIOR QUARTER UPDATE

Sayer Energy Advisors is constantly updating previous quarters as new or updated information becomes available. Information subsequent to the third quarter of 2023 has allowed us to update our database and revise prior quarter statistics.

There have been no material changes to our statistics since the third quarter of 2023.

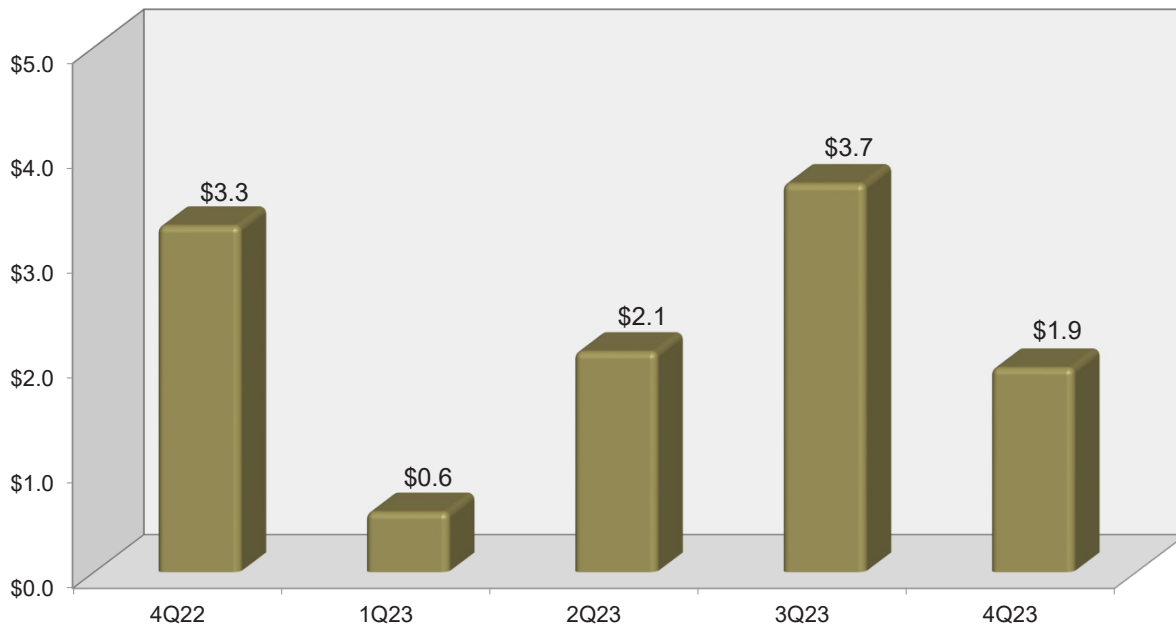
FIRST QUARTER 2024 MERGER AND ACQUISITION ACTIVITY

There has been one significant deal announced in the first few weeks of the fourth quarter of 2023, which is highlighted below.

Calima Energy Limited has entered into an agreement with Astar Energy Corp., in which Calima will divest its ownership in its wholly-owned Canadian subsidiary, Blackspur Oil Corp., for approximately \$75.0 million. Blackspur's main assets are located in the Brooks and Thorsby areas of Alberta.

MERGER AND ACQUISITION CANDIDATES

Companies and Assets for Sale - \$Billions



The total value of companies and assets for sale decreased 47% to approximately \$1.9 billion in the fourth quarter of 2023 from \$3.7 billion in the third quarter of 2023.

The “major assets for sale” category decreased 29% to approximately \$350.0 million in the fourth quarter from the \$493.0 million recorded last quarter.

The “companies for sale” category decreased 51% to \$1.5 billion in the fourth quarter of 2023 from the \$3.1 billion recorded in the third quarter of 2023. In the fourth quarter, Rex Energy Ltd. initiated a strategic alternatives process. Rex’s working interests are located in the Wizard Lake area of Alberta. Rex’s production was approximately 100 boe/d, consisting of 50 bbl/d of oil and 300 Mcf/d of natural gas.

The “companies for sale” section includes those companies that for sale, reviewing strategic alternatives to maximize shareholder value or are in CCAA or receivership. Several entities, including Bonavista (page 46), Certus (page 40) and Hammerhead (page 36) were sold or have received offers to purchase in the fourth quarter and had not previously publicly announced their intention to sell in advance.

MERGER AND ACQUISITION CANDIDATES

Companies with Major Assets for Sale

Prairie Provident Resources Inc. Sinopec Canada

Total approximate value⁽¹⁾ for major sellers **\$350.0 million**

Companies with Minor Assets for Sale

A2N Energy Corporation	Cardinal Energy Ltd.	Lycos Energy Inc.
Ascensun Oil and Gas Ltd.	Corex Resources Ltd.	NuVista Energy Ltd.
Asta Energy Ltd.	Erdol Resources Corp.	Raymark Lands Ltd.
Barrel Oil Corp.	Insignia Energy Ltd.	Silverleaf Resources Inc.
Bering Exploration Company ULC	Kiwetinohk Energy Corp.	Tallahassee Exploration Inc.
Burgess Creek Exploration Inc.	Long Fortune Petroleum (SK) Corporation	Vermilion Energy Inc.

Total approximate value⁽¹⁾ for minor sellers **\$70.6 million**

Companies for Sale

Companies which announced in the quarter that they were either available for sale, seeking ways to "maximize shareholder value" or were insolvent are as follows:

Adonai Resources Corporation	Fireweed Energy Ltd.	Rex Energy Ltd.
Clampett Energy Ltd.	Free Rein Resources Ltd. ⁽²⁾	Ribbon Creek Resources Inc.
Copetrex Oil & Gas Co. Ltd. ⁽²⁾	Gear Energy Ltd.	Westdrum Energy Ltd.
Erikson National Energy Inc.	Goldenkey Oil Inc. ⁽²⁾	
Everest Canadian Resources Corp. ⁽²⁾	Griffon Partners Operation Corp. ⁽²⁾	

Total approximate value⁽¹⁾ for companies for sale **\$1.5 billion**

TOTAL APPROXIMATE VALUE⁽¹⁾ FOR ALL M&A CANDIDATES **\$1.9 billion**

- 1). Approximate value is an estimation of the overall value of the assets and companies for sale, including confidential offerings but we have not conducted a detailed valuation of the individual assets or companies. The actual selling prices may vary, perhaps by a considerable amount, from the figures presented here.
- 2). Companies in BIA, CCAA or Receivership.

THIRD QUARTER 2023 TRANSACTION ANALYSIS SUMMARY

Month	Purchaser	Acquisition	Enterprise Value ⁽¹⁾	Reserves Value ⁽¹⁾
			(\$million)	(\$million)
July	Cygnnet	Athabasca assets	160.00	160.00
July	Highwood	Boulder	135.08	130.17
July	Highwood	Castlegate	42.41	39.76
July	Highwood	Shale	14.23	3.89
August	Cygnnet	Murphy assets	150.00	150.00
August	Lycos	Wyatt	8.79	8.79
August	Strathcona	Pipestone	842.56	703.10
September	Peyto	Repsol assets	636.00	636.00

Notes: (1) For definitions see page 53
(2) Based on total proven reserves

THIRD QUARTER 2023 TRANSACTION ANALYSIS SUMMARY

Proven Producing Reserves Mix	Proven BOE Reserve Life Index ⁽¹⁾	Reserves ⁽¹⁾	Production ⁽¹⁾	Cash Flow Multiple ⁽¹⁾	Premium/(Discount) ⁽¹⁾ To Market Price ⁽¹⁾
(%oil/%natural gas)	(Res./Annualized Prod.)	(\$/boe)	(\$/boe/d)	Operating	%
45/55 ⁽²⁾	21.1	6.93	53,333	7.9	-
50/50	18.8	4.93	48,211	3.8	-
80/20	3.6	9.44	28,397	1.4	-
36/64	22.2	0.45	12,978	2.2	-
39/61 ⁽²⁾	8.5	24.61 ⁽²⁾	76,726	-	-
99/1 ⁽²⁾	5.2	8.53	21,971	-	-
40/60	12.7	3.14	21,214	2.7	(25.1)
24/76	23.2	2.07	27,652	4.1	-

FOURTH QUARTER 2023 TRANSACTION ANALYSIS SUMMARY

Month	Purchaser	Acquisition	Enterprise Value ⁽¹⁾	Reserves Value ⁽¹⁾
			(\$million)	(\$million)
October	Caltex	International Petroleum assets	20.06	20.06
October	Cardinal	Summerland assets	25.00	25.00
October	Mancal	Tamarack Valley assets	123.00	123.00
October	Pine Cliff	Certus	100.00	100.00
October	Pointbreak	Perpetual assets	35.80	35.80
October	Suncor	TotalEnergies EP Canada	1,468.00	1,468.00
October	Tourmaline	Bonavista	1,450.00	1,450.00
November	Crescent Point	Hammerhead	2,650.95	2,294.77
November	Tourmaline	White Horse assets	19.10	19.10
November	Whitecap	Baytex assets	153.80	153.80

Notes: (1) For definitions see page 53
(2) Based on total proven reserves
(3) Based on proven plus probable reserves

FOURTH QUARTER 2023 TRANSACTION ANALYSIS SUMMARY

Proven Producing Reserves Mix	Proven BOE Reserve Life Index ⁽¹⁾	Reserves ⁽¹⁾	Production ⁽¹⁾	Cash Flow Multiple ⁽¹⁾	Premium/(Discount) ⁽¹⁾ To Market Price ⁽¹⁾
(%oil/%natural gas)	(Res./Annualized Prod.)	(\$/boe)	(\$/boe/d)	Operating	%
100/0 ⁽³⁾	4.5 ⁽³⁾	33.43	54,959	-	
86/14	13.9	4.00	27,778	1.5	
46/54	9.2	2.53	15,000	1.8	
50/50	15.9	1.88	18,868	2.6	
70/30	9.0	5.34	26,036	1.9	
100/0	25.2	2.16	29,360	-	
35/65	12.8	3.05	24,167	3.2	
37/63	10.2	7.59	49,836	3.6	9.3
30/70	19.7	1.96	32,101	-	
100/0 ⁽²⁾	7.7	8.12	33,175	1.5	

FOURTH QUARTER MERGER AND ACQUISITION TRANSACTIONS

(exceeding \$5 million in value)

Month	Purchaser	Acquisition	Enterprise Value
			(\$million)
October	BTG	Certus assets	(1)
October	Caltex	International Petroleum assets	20.06
October	Cardinal	Summerland assets	25.00
October	Karve	Durham Creek Exploration assets	6.16
October	Mancal	Tamarack Valley assets	123.00
October	Pine Cliff	Certus	100.00
October	Pointbreak	Perpetual assets	35.80
October	Primal	Aldon assets	(1)
October	Rubellite	Clear North assets	34.00
October	Suncor	TotalEnergies EP Canada	1,468.00
October	Topaz	Alberta assets	26.30 ⁽²⁾
October	Tourmaline	Bonavista	1,450.00
October	Vantage Point	Prairie Provident assets	27.00 ⁽²⁾
November	Canamax	Prairie Thunder	(1)
November	Crescent Point	Hammerhead	2,650.95
November	Spartan Delta	Crescent Point assets	7.40
November	Spartan Delta	Kiwetinohk assets	17.60
November	Tourmaline	White Horse assets	19.10
November	Undisclosed Buyer	West 5	(1)
November	Whitecap	Baytex assets	153.80
December	Allied and Ranahan	Crescent Point assets	140.00 ⁽²⁾
December	Durham Creek Energy	Cleo assets	(1)
December	Duvernay	Athabasca assets and Cenovus assets	40.00
December	Source Rock	Rubellite assets	8.00
Fourth Quarter Total			\$6.4 billion⁽³⁾

Notes: (1) The estimated or confidential amount for this transaction is included in the quarter total
(2) Pending but not closed
(3) Confidential transactions are not included on the list, however their values are included in the total

SELECTED FOURTH QUARTER TRANSACTIONS

At this time we do not have enough information to complete a detailed analysis on the following selected transactions. When and if more information becomes available we will update the transaction with a more detailed analysis in one of our future reports.

Purchaser: Allied Energy II Corp. and Ranahan Resources Limited	Acquisition: Crescent Point Energy Corp. assets
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Transaction Type:	Property	Date Announced:	December 21, 2023
Price:	\$140.0 million	Date Closed:	Pending

Crescent Point announced it had entered into agreements to divest its non-core assets located in the Swan Hills and Turner Valley areas of Alberta. Total production associated with the properties is approximately 5,000 boe/d (75% oil and liquids).

Purchaser: BTG Energy Corporation	Acquisition: Certus Oil & Gas Inc. assets
--	--

Transaction Type:	Property	Date Announced:	Fourth Quarter 2023
Price:	Undisclosed	Date Closed:	October 24, 2023

The assets acquired are located in the Gilby, Medicine River, Sylvan Lake and Westeros areas of Alberta.

Purchaser: Canamax Energy Ltd.	Acquisition: Prairie Thunder Resources Ltd.
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Transaction Type:	Corporate	Date Announced:	Fourth Quarter 2023
Price:	Undisclosed	Date Closed:	November 1, 2023

Canamax and Prairie Thunder completed a merger in the fourth quarter of 2023. The combined entity will continue under the name of Prairie Thunder Resources Ltd. with operations in southwestern Saskatchewan and northwestern Alberta.

Purchaser: Durham Creek Energy Ltd.	Acquisition: Cleo Energy Corp. assets
--	--

Transaction Type:	Property	Date Announced:	Fourth Quarter 2023
Price:	Undisclosed	Date Closed:	Fourth Quarter 2023

The assets acquired are located in the Fabyan area of Alberta.

SELECTED FOURTH QUARTER TRANSACTIONS

Purchaser: Duvernay Energy Corporation	Acquisition: Athabasca Oil Corporation assets and Cenovus Energy Inc. assets
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Transaction Type:	Property	Date Announced:	December 19, 2023
Price:	\$40.0 million	Date Closed:	Pending

Athabasca announced its intention to create Duvernay Energy Corporation with Cenovus Energy Inc. Athabasca and Cenovus will both contribute assets into Duvernay, with Athabasca owning a 70% equity interest and Cenovus owning the remaining 30% equity interest. Duvernay will have seed capital of \$40.0 million and a \$50.0 million credit facility. Duvernay's production is expected to be approximately 2,000 boe/d (~75% liquids).

Purchaser: Karve Energy Inc.	Acquisition: Durham Creek Exploration Ltd. assets
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Transaction Type:	Property	Date Announced:	Fourth Quarter 2023
Price:	\$6.2 million	Date Closed:	September 28, 2023

The assets acquired are located in the Dawson, Evi and Red Earth areas of Alberta.

Purchaser: Primal Resources Ltd.	Acquisition: Aldon Oils Ltd. assets
---	--

Transaction Type:	Property	Date Announced:	October 2023
Price:	Undisclosed	Date Closed:	October 2023

The assets acquired are located in the Huntoon, Midale, Midale North and Weyburn areas of Saskatchewan.

Note: Sayer Energy Advisors acted as financial advisor to Aldon in this transaction.

Purchaser: Rubellite Energy Inc.	Acquisition: Clear North Energy Corp. assets
---	---

Transaction Type:	Property	Date Announced:	October 19, 2023
Price:	\$34.0 million	Date Closed:	November 9, 2023

The assets acquired are located in the Figure Lake, Edwand and Nixon areas of northeastern Alberta. The assets included approximately 800 bbl/d of conventional heavy oil sales production and 215 net sections of land (95% undeveloped) on the southern Clearwater play trend.

Purchaser: Source Rock Royalties Ltd.	Acquisition: Rubellite Energy Inc. assets
--	--

Transaction Type:	Property	Date Announced:	December 4, 2023
Price:	\$8.0 million	Date Closed:	December 4, 2023

Source Rock acquired a GORR on 60,800 net acres of land in the Figure Lake and Edwand areas of central Alberta. The GORR has a 1.5% royalty rate reverting to a 1.0% non-convertible GORR after payout.

SELECTED FOURTH QUARTER TRANSACTIONS

Purchaser: Spartan Delta Corp.	Acquisition: Crescent Point Energy Corp. assets
---------------------------------------	--

Transaction Type:	Property	Date Announced:	November 29, 2023
Price:	\$7.4 million	Date Closed:	November 29, 2023

The assets acquired are located in central Alberta within the West Shale Basin Duvernay fairway.

Purchaser: Spartan Delta Corp.	Acquisition: Kiwetinohk Energy Corp. assets
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Transaction Type:	Property	Date Announced:	November 8, 2023
Price:	\$17.6 million	Date Closed:	November 1, 2023

The assets acquired are located in the Rimbey area of Alberta.

Purchaser: Topaz Energy Corp.	Acquisition: Alberta assets
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Transaction Type:	Property	Date Announced:	October 30, 2023
Price:	\$26.3 million	Date Closed:	Pending

Topaz entered into definitive agreements for a newly created 4.0% GORR on approximately 20,000 gross acres of developed and undeveloped lands in the West Nipisi area of Alberta and a 99% working interest in a planned natural gas gathering system that is supported by a long-term fixed take-or-pay and cumulative volume commitment.

Purchaser: Undisclosed Buyer	Acquisition: West 5 Resources Inc.
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Transaction Type:	Corporate	Date Announced:	Fourth Quarter 2023
Price:	Undisclosed	Date Closed:	Fourth Quarter 2023

West 5's main producing properties were located in the Chip Lake/Northville area of Alberta.

Purchaser: Vantage Point Resources Inc.	Acquisition: Prairie Provident Resources Inc. assets
--	---

Transaction Type:	Property	Date Announced:	October 30, 2023
Price:	\$27.0 million	Date Closed:	Pending

The assets being acquired are located in the Evi area of Alberta. Prairie Provident intends to use the proceeds from the sale to reduce its debt outstanding.

CALTEX / INTERNATIONAL PETROLEUM ASSETS

Purchaser: Caltex Trilogy Inc.
 Date Announced: October 31, 2023
 Transaction Type: Property
 Reserves Acquisition Price: **\$33.43/boe**

Acquisition: International Petroleum Corporation assets
 Date Completed: Third Quarter 2023
 Operating CF Multiple: **N.A.**
 Production Acquisition Price: **\$54,959/boe/d**

Estimated Value:	\$MM
Enterprise Value	\$20.06 ⁽¹⁾
less: Undeveloped land	-
Other assets	-
Value of Reserves	<u>\$20.06</u>

Reserves:	Net Present Value of Reserves (\$MM)⁽²⁾			
	Oil & NGL	Natural Gas	Total	Discounted
	(MMbbls)	(Bcf)	(MMboe)	10%
Total P+P	<u>0.600</u>	<u>0.000</u>	<u>0.600</u>	<u>10.44</u>

Source of reserves estimate:

Sproule Associates Limited with oil/natural gas reserves split based on production weighting

Effective date of reserves information:

January 1, 2023

RLI:	Total P+P (years)	Reserve Weighting:	Oil & NGL (%)	Natural Gas (%)
Oil & NGL	4.5	P+P	100	0
Natural Gas	-			
BOE	4.5			

Daily Production:

Oil & NGL: 365 bbls/d
 Natural Gas: - MMcf/d
BOE: 365 boe/d

Basis of production information: Current production as at October 31, 2023

CALTEX / INTERNATIONAL PETROLEUM ASSETS

Undeveloped Land: N.A.

Operating Cash Flow Estimate: N.A.

Price Assumptions Used in Evaluation:

	Edmonton Par Price 40° API (\$C/bbl)	AECO Natural Gas Price (\$C/MMbtu)
2023	110.67	4.33
2024	101.25	4.34
2025	96.18	4.00
2026	98.10	4.08
2027	100.06	4.16

Effective date of pricing: December 31, 2022

Notes:

- 1) Based on USD \$17.0 million converted to CAD based on a CAD/USD exchange rate of 1.3863 which was the closing CAD/USD exchange rate on the last trading day prior to the announcement of the transaction and adjusted for the proceeds received by International Petroleum for the sale of its assets in the Figure Lake area of Alberta to Lycos Energy Inc. for \$3.5 million.
- 2) Based on USD \$7.7 million converted to CAD based on a CAD/USD exchange rate of 1.3552 which was the closing CAD/USD exchange rate on December 31, 2022.

Comments:

The assets acquired are located in the John Lake area of Alberta.

Date of Analysis: January 25, 2024

CARDINAL / SUMMERLAND ASSETS

Purchaser: Cardinal Energy Ltd.
 Date Announced: October 3, 2023
 Transaction Type: Property
 Reserves Acquisition Price: **\$4.00/boe**

Acquisition: Summerland Energy Inc. assets
 Date Completed: October 3, 2023
 Operating CF Multiple: **1.5 X**
 Production Acquisition Price: **\$27,778/boe/d**

<u>Estimated Value:</u>	<u>\$MM</u>
Enterprise Value	\$25.00
less: Undeveloped land	-
Other assets	-
Value of Reserves	<u>\$25.00</u>

Reserves:

Net Present Value of Reserves (\$MM):

	<u>Oil & NGL</u>	<u>Natural Gas</u>	<u>Total</u>	<u>Discounted</u>
	(MMbbls)	(Bcf)	(MMboe)	10%
Proven Producing	2.459	2.377	2.855	58.40
Proven Non-Producing & Undeveloped	<u>1.664</u>	<u>0.252</u>	<u>1.706</u>	<u>45.40</u>
Total Proven	4.123	2.629	4.561	103.80
Probable	<u>1.571</u>	<u>0.736</u>	<u>1.694</u>	<u>36.20</u>
Total P+P	<u>5.694</u>	<u>3.365</u>	<u>6.255</u>	<u>140.00</u>

Source of reserves estimate:
 Date of reserves estimate:

Sproule Associates Limited
 December 31, 2022

<u>RLI:</u>	<u>Proven Producing</u>	<u>Total Proven</u>	<u>Total P+P</u>	<u>Reserve Weighting:</u>	<u>Oil & NGL</u>	<u>Natural Gas</u>
	(years)	(years)	(years)		(%)	(%)
Oil & NGL	8.4	14.1	19.5	Proven Producing	86	14
Natural Gas	10.9	12.0	15.4	Proven	90	10
BOE	8.7	13.9	19.0	P+P	91	9

Daily Production:

Oil & NGL: 800 bbls/d
 Natural Gas: 0.60 MMcf/d
BOE: 900 boe/d

Basis of production information: Current production as at October 3, 2023

CARDINAL / SUMMERLAND ASSETS

Undeveloped Land: N.A.

Operating Cash Flow Estimate: \$17.10 million per year

Basis of cash flow estimate: Based on Summerland's forecast of operating cash flow from the assets for the year ended December 31, 2023 before interest, overhead and current income tax.

Operating Cash Flow Multiple: 1.5 X

Price Assumptions Used in Evaluation:

	Edmonton Par Price 40° API (\$C/bbl)	AECO Natural Gas Price (\$C/MMbtu)
2023	110.67	4.33
2024	101.25	4.34
2025	96.18	4.00
2026	98.10	4.08
2027	100.06	4.16

Effective date of pricing: December 31, 2022

Comments:

The assets acquired are located in the Buffalo-Figure Lake and Mitsue areas of Alberta. The acquisition includes the consolidation of working interests at Mitsue and approximately 500 bbl/d of Clearwater heavy oil production at Buffalo-Figure Lake with up to 25 associated development drilling locations. The acquisition is synergistic with Cardinal's existing operations.

Date of Analysis: January 10, 2024

CRESCENT POINT / HAMMERHEAD

Purchaser: Crescent Point Energy Corp.
 Date Announced: November 6, 2023
 Transaction Type: Corporate
 Reserves Acquisition Price: **\$7.59/boe**

Acquisition: Hammerhead Energy Inc.
 Date Completed: December 21, 2023
 Operating CF Multiple: **3.6 X**
 Production Acquisition Price: **\$49,836/boe/d**

<u>Estimated Value:</u>	<u>\$MM</u>		<u>\$MM</u>
Equity Value	\$2,220.73 ⁽¹⁾	Enterprise Value	\$2,650.95
plus: Long term debt	+338.19	less: Undeveloped land	-4.61
Working capital deficit	-	Working capital surplus	-351.57 ⁽³⁾
Other liabilities	+92.03 ⁽²⁾	Other assets	-
Enterprise Value	<u>\$2,650.95</u>	Value of Reserves	<u>\$2,294.77</u>

Reserves:

Net Present Value of Reserves (\$MM):

	<u>Oil & NGL</u> (MMbbls)	<u>Natural Gas</u> (Bcf)	<u>Total</u> (MMboe)	<u>Discounted</u>				
				<u>0%</u>	<u>5%</u>	<u>10%</u>	<u>15%</u>	<u>20%</u>
Proven Producing	16.820	174.867	45.965	1,048.04	923.42	815.06	730.84	665.27
Proven Non-Producing	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00
Undeveloped	<u>60.903</u>	<u>390.103</u>	<u>125.920</u>	<u>2,265.44</u>	<u>1,655.57</u>	<u>1,243.41</u>	<u>954.34</u>	<u>744.67</u>
Total Proven	77.723	564.970	171.885	3,313.48	2,578.99	2,058.46	1,685.18	1,409.94
Probable	<u>65.609</u>	<u>389.952</u>	<u>130.601</u>	<u>3,071.69</u>	<u>1,973.03</u>	<u>1,348.13</u>	<u>969.21</u>	<u>726.69</u>
Total P+P	143.332	954.922	302.486	6,385.16	4,552.02	3,406.60	2,654.40	2,136.63

Source of reserves estimate:

McDaniel & Associates Consultants Ltd. adjusted for production from January 1, 2023 to September 30, 2023 by Sayer Energy Advisors

Effective date of reserves information:

December 31, 2022

<u>RLI:</u>	<u>Proven Producing</u> (years)	<u>Total Proven</u> (years)	<u>Total P+P</u> (years)	<u>Reserve Weighting:</u>	<u>Oil & NGL</u> (%)	<u>Natural Gas</u> (%)
Oil & NGL	2.1	9.7	17.8	Proven Producing	37	63
Natural Gas	3.3	10.7	18.2	Proven	45	55
BOE	2.7	10.2	18.0	P+P	47	53

Daily Production:

Oil & NGL: 22,039 bbls/d
 Natural Gas: 144.05 MMcf/d
BOE: 46,047 boe/d

Basis of production information: Quarter ended September 30, 2023

Undeveloped Land:

Total net acres: 46,144
 Estimated value: \$4.61 million
 Unit value: \$100.00/net acre

Source of land value estimate: Sayer Energy Advisors

Operating Cash Flow Estimate: \$639.56 million per year

Basis of cash flow estimate: Based on Hammerhead's actual operating cash flow for the three months ended September 30, 2023 before interest, overhead and current income tax.

Operating Cash Flow Multiple: 3.6 X

CRESCENT POINT / HAMMERHEAD

Price Assumptions Used in Evaluation:

	<u>Edmonton Par</u> <u>Price 40° API</u> <u>(\$C/bbl)</u>	<u>AECO Natural</u> <u>Gas Price</u> <u>(\$C/MMbtu)</u>
2023	103.76	4.23
2024	97.74	4.40
2025	95.27	4.21
2026	95.58	4.27
2027	97.07	4.34

Estimated Future Capital Costs (\$MM):

2023	412.04
2024	313.89
2025	412.82
Thereafter	<u>1,704.35</u>
Total	<u>2,843.40</u>

Effective date of pricing: Average of GLJ Ltd., McDaniel and Sproule Associates Limited's price forecasts as at January 1, 2023

Share Information:

Share / Cash price paid	\$21.48/share
Market price day prior to announcement	\$19.65/share
Share / Cash price premium	9.3%

Break Fee:

Size (millions)	\$85.00
As percentage of equity value	3.8%
As percentage of enterprise value	3.2%

Notes:

- 1) Based on each of 95,864,000 Hammerhead shares, 4,915,000 Hammerhead restricted share units, 1,945,000 Hammerhead restricted share awards and 631,000 Hammerhead shares issued on the exercise of "in-the-money" options, exchanged for \$15.50 in cash and 0.5340 of a Crescent Point share, with each Crescent Point priced at \$11.20 on the last trading day prior to the announcement of the transaction.
- 2) Includes site restoration costs, executive severance, hedging contracts as an asset and an estimate of future overhead costs necessary to produce Hammerhead's reserves.
- 3) Includes an adjustment for the nine months of capital expenditures by Hammerhead between January 1, 2023 and September 30, 2023 and estimated proceeds from the exercise of "in-the-money" options and restricted share units.

Comments:

Hammerhead's main producing properties were located in the Gold Creek and Karr areas of Alberta. Crescent Point has identified 800 net Montney drilling locations on the Hammerhead lands. With this acquisition, Crescent Point became the seventh largest exploration and production company in Canada with over 200,000 boe/d (65% oil and liquids) of production. Crescent Point financed a portion of the acquisition through a \$500.0 million bought deal equity financing at a price of \$10.30 per share.

Crescent Point disclosed that McDaniel estimated that as of November 1, 2023, Hammerhead held 308.7 MMboe of proved plus probable reserves. If these reserve numbers are used in our analysis, the price on a proved plus probable reserve basis would decrease to \$7.43/boe.

At December 31, 2022 Hammerhead had the following unused Canadian income tax pools:

	<u>\$MM</u>
Canadian Exploration Expense	207.3
Canadian Development Expense	348.3
Canadian Oil & Gas Property Expense	100.1
Undepreciated Capital Cost Allowance	532.3
Non-Capital Losses	270.4
Debt and Share Issuance Costs	<u>3.6</u>
TOTAL	<u>1,462.0</u>

Date of Analysis: January 19, 2024

Date of Financial Information: September 30, 2023

MANCAL / TAMARACK VALLEY ASSETS

Purchaser: Mancal Energy Inc.

Date Announced: October 19, 2023

Transaction Type: Property

Reserves Acquisition Price: **\$2.53/boe**

Acquisition: Tamarack Valley Energy Ltd. assets

Date Completed: November 3, 2023

Operating CF Multiple: **1.8 X**

Production Acquisition Price: **\$15,000/boe/d**

Estimated Value:	\$MM
Enterprise Value	\$123.00
less: Undeveloped land	-
Other assets	-
Value of Reserves	<u>\$123.00</u>

Reserves:

Net Present Value of Reserves (\$MM):

	<u>Oil & NGL</u>	<u>Natural Gas</u>	<u>Total</u>	<u>Discounted</u>
	(MMbbls)	(Bcf)	(MMboe)	10%
Proven Producing	8.325	58.634	18.097	191.00
Proven Non-Producing & Undeveloped	<u>4.642</u>	<u>29.099</u>	<u>9.492</u>	<u>71.00</u>
Total Proven	12.967	87.733	27.589	262.00
Probable	<u>9.425</u>	<u>69.980</u>	<u>21.088</u>	<u>178.00</u>
Total P+P	<u>22.391</u>	<u>157.713</u>	<u>48.677</u>	<u>440.00</u>

Source of reserves estimate:

GLJ Ltd.

Effective date of reserves information:

June 1, 2023

<u>RLI:</u>	<u>Proven Producing (years)</u>	<u>Total Proven (years)</u>	<u>Total P+P (years)</u>	<u>Reserve Weighting:</u>	<u>Oil & NGL (%)</u>	<u>Natural Gas (%)</u>
Oil & NGL	6.0	9.4	16.3	Proven Producing	46	54
Natural Gas	6.0	9.0	16.3	Proven	47	53
BOE	6.0	9.2	16.3	P+P	46	54

Daily Production:

Oil & NGL: 3,772 bbls/d

Natural Gas: 26.57 MMcf/d

BOE: 8,200 boe/d

Basis of production information: Quarter ended March 31, 2023

MANCAL / TAMARACK VALLEY ASSETS

Undeveloped Land: N.A.

Operating Cash Flow Estimate: \$69.00 million per year

Basis of cash flow estimate: Based on actual operating cash flow from the assets for the three months ended March 31, 2023 before interest, overhead and current income tax.

Operating Cash Flow Multiple: 1.8 X

Price Assumptions Used in Evaluation:

	Edmonton Par Price 40° API (\$C/bbl)	AECO Natural Gas Price (\$C/MMbtu)
2023	99.26	2.97
2024	97.18	3.73
2025	95.30	4.25
2026	96.79	4.31
2027	98.73	4.41

Effective date of pricing: Average of GLJ, McDaniel & Associates Consultants Ltd. and Sproule Associates Limited's price forecasts as at April 1, 2023

Comments:

The assets acquired are located in the Alder Flats, Westeros and Wilson Creek areas of Alberta and production is predominantly from the Cardium and Leduc formations.

Tamarack Valley used the proceeds from the sale to reduce its debt outstanding. Tamarack Valley stated that the assets at closing were producing approximately 7,000 boe/d. If this production number is used in our analysis the acquisition price on a \$/boe/d basis would increase to \$17,571/boe/d.

Date of Analysis: January 16, 2024

PINE CLIFF / CERTUS

Purchaser: Pine Cliff Energy Ltd.
 Date Announced: October 31, 2023
 Transaction Type: Corporate
 Reserves Acquisition Price: **\$1.88/boe**

Acquisition: Certus Oil & Gas Inc.
 Date Completed: December 13, 2023
 Operating CF Multiple: **2.6 X**
 Production Acquisition Price: **\$18,868/boe/d**

Estimated Value:

	<u>\$MM</u>		<u>\$MM</u>
Equity Value	\$100.00 ⁽¹⁾	Enterprise Value	\$100.00
plus: Long term debt	-	less: Undeveloped land	-
Working capital deficit	-	Working capital surplus	-
Other liabilities	-	Other assets	-
Enterprise Value	<u>\$100.00</u>	Value of Reserves	<u>\$100.00</u>

Reserves:

Net Present Value of Reserves (\$MM):

	<u>Oil & NGL</u>	<u>Natural Gas</u>	<u>Total</u>	<u>Discounted</u>
	(MMbbls)	(Bcf)	(MMboe)	10%
Proven Producing	6.146	36.873	12.291	112.50
Proven Non-Producing & Undeveloped	<u>9.273</u>	<u>55.635</u>	<u>18.545</u>	<u>152.90</u>
Total Proven	15.418	92.508	30.836	265.40
Probable	<u>11.202</u>	<u>67.212</u>	<u>22.404</u>	<u>185.30</u>
Total P+P	<u>26.620</u>	<u>159.720</u>	<u>53.240</u>	<u>450.70</u>

Source of reserves estimate:

McDaniel & Associates Consultants Ltd.

Effective date of reserves information:

July 1, 2023

<u>RLI:</u>	<u>Proven Producing</u>	<u>Total Proven</u>	<u>Total P+P</u>	<u>Reserve Weighting:</u>	<u>Oil & NGL</u>	<u>Natural Gas</u>
	(years)	(years)	(years)		(%)	(%)
Oil & NGL	6.5	16.3	28.1	Proven Producing	50	50
Natural Gas	6.2	15.6	27.0	Proven	50	50
BOE	6.4	15.9	27.5	P+P	50	50

Daily Production:

Oil & NGL: 2,597 bbls/d
 Natural Gas: 16.22 MMcf/d
BOE: 5,300 boe/d

Basis of production information: Average for the month of September 2023

PINE CLIFF / CERTUS

Undeveloped Land: N.A.

Operating Cash Flow Estimate: \$38.40 million per year

Basis of cash flow estimate: Based on Pine Cliff's forecast of operating cash flow from the Certus assets for the year ended December 31, 2024 before interest, overhead and current income tax.

Operating Cash Flow Multiple: 2.6 X

Price Assumptions Used in Evaluation:

	Edmonton Par Price 40° API (\$C/bbl)	AECO Natural Gas Price (\$C/MMbtu)
2023	99.28	3.32
2024	97.18	3.73
2025	95.30	4.25
2026	96.79	4.32
2027	98.73	4.40

Effective date of pricing: Average of GLJ Ltd., McDaniel and Sproule Associates Limited's price forecasts as at April 1, 2023

Notes:

1) Based on a cash payment of \$100.0 million adjusted for any debt outstanding held by Certus.

Comments:

Certus' main producing property was located in the Caroline area of Alberta. Pine Cliff has identified 31 gross (15.4 net) Deep Basin liquids rich natural gas and oil development locations on the Certus lands. Pine Cliff financed the acquisition through a combination of cash on hand as well as a three-year secured term debt facility provided by a private institutional investor in the amount of approximately \$56.3 million. The term debt facility has a coupon rate of Canadian Prime Rate plus 3.65% and includes scheduled amortization with options for prepayment after twelve months.

As at December 31, 2022, Certus had total unused Canadian income tax pools of \$172.0 million of which \$86.7 million were non-capital losses.

Date of Analysis: January 11, 2024

POINTBREAK / PERPETUAL ASSETS

Purchaser: Pointbreak Resources Inc.
 Date Announced: October 17, 2023
 Transaction Type: Property
 Reserves Acquisition Price: **\$5.34/boe**

Acquisition: Perpetual Energy Inc. assets
 Date Completed: November 22, 2023
 Operating CF Multiple: **1.9 X**
 Production Acquisition Price: **\$26,036/boe/d**

<u>Estimated Value:</u>	<u>\$MM</u>
Enterprise Value	\$35.80
less: Undeveloped land	-
Other assets	-
Value of Reserves	<u>\$35.80</u>

Reserves:

Net Present Value of Reserves (\$MM):

	<u>Oil & NGL</u>	<u>Natural Gas</u>	<u>Total</u>	<u>Discounted</u>
	(MMbbls)	(Bcf)	(MMboe)	10%
Proven Producing	2.170	5.580	3.100	37.00
Proven Non-Producing & Undeveloped	<u>0.980</u>	<u>2.520</u>	<u>1.400</u>	<u>14.60</u>
Total Proven	3.150	8.100	4.500	51.60
Probable	<u>1.540</u>	<u>3.960</u>	<u>2.200</u>	<u>23.80</u>
Total P+P	<u>4.690</u>	<u>12.060</u>	<u>6.700</u>	<u>75.40</u>

Source of reserves estimate:

McDaniel & Associates Consultants Ltd. with oil/natural gas split based on production weighting

Date of reserves estimate:

September 1, 2023

<u>RLI:</u>	<u>Proven Producing (years)</u>	<u>Total Proven (years)</u>	<u>Total P+P (years)</u>	<u>Reserve Weighting:</u>	<u>Oil & NGL (%)</u>	<u>Natural Gas (%)</u>
Oil & NGL	6.2	9.0	13.3	Proven Producing	70	30
Natural Gas	6.2	9.0	13.3	Proven	70	30
BOE	6.2	9.0	13.3	P+P	70	30

Daily Production:

Oil & NGL: 963 bbls/d
 Natural Gas: 2.48 MMcf/d
BOE: 1,375 boe/d

Basis of production information: Average for the month of August 2023

POINTBREAK / PERPETUAL ASSETS

<u>Undeveloped Land:</u>	N.A.
<u>Operating Cash Flow Estimate:</u>	\$18.60 million per year
Basis of cash flow estimate:	Based on actual annualized operating cash flow from the assets for the month ended August 31, 2023 before interest, overhead and current income tax.
<u>Operating Cash Flow Multiple:</u>	1.9 X

Comments:

The assets acquired are located in the Mannville area of eastern Alberta. Proceeds from the sale will be used by Perpetual to reduce bank debt and manage future maturities on its term loan and senior notes and other obligations as they come due, as well as provide Perpetual with the liquidity to invest in its remaining assets at East Edson and pursue other new venture opportunities. Pointbreak financed the acquisition through a \$40.0 million private placement equity financing.

Date of Analysis: January 11, 2024

SUNCOR / TOTALENERGIES EP CANADA

Purchaser: Suncor Energy Inc.
 Date Announced: October 4, 2023
 Transaction Type: Corporate
 Reserves Acquisition Price: **\$2.16/boe**

Acquisition: TotalEnergies EP Canada Ltd.
 Date Completed: November 20, 2023
 Operating CF Multiple: **N.A.**
 Production Acquisition Price: **\$29,360/boe/d**

Estimated Value:

	<u>\$MM</u>		<u>\$MM</u>
Equity Value	\$1,468.00 ⁽¹⁾	Enterprise Value	\$1,468.00
plus: Long term debt	-	less: Undeveloped land	-
Working capital deficit	-	Working capital surplus	-
Other liabilities	-	Other assets	-
Enterprise Value	<u>\$1,468.00</u>	Value of Reserves	<u>\$1,468.00</u>

Reserves:

	<u>Oil & NGL</u>	<u>Natural Gas</u>	<u>Total</u>
	(MMbbls)	(Bcf)	(MMboe)
Total Proven	460.000	0.000	460.000
Probable	<u>220.000</u>	<u>0.000</u>	<u>220.000</u>
Total P+P	<u>680.000</u>	<u>0.000</u>	<u>680.000</u>

Source of reserves estimate:

GLJ Ltd.

Effective date of reserves information:

December 31, 2022

<u>RLI:</u>	<u>Total Proven</u>	<u>Total P+P</u>		<u>Oil & NGL</u>	<u>Natural Gas</u>
	(years)	(years)		(%)	(%)
Oil & NGL	25.2	37.3	Proven	100	0
Natural Gas	-	-	P+P	100	0
BOE	25.2	37.3			

Daily Production:

Oil & NGL: 50,000 bbls/d
 Natural Gas: - MMcf/d
BOE: 50,000 boe/d

Basis of production information: Forecasted average daily production for the year ended December 31, 2024

SUNCOR / TOTALENERGIES EP CANADA

Undeveloped Land: N.A.

Operating Cash Flow Estimate: N.A.

Notes:

- 1) Based on cash payment for the shares of TotalEnergies EP Canada Ltd.

Comments:

TotalEnergies EP Canada's main producing property was its 31.23% working interest in the Fort Hills Oil Sands Project operated by Suncor. On April 26, 2023, Suncor initially announced it had entered into an agreement with TotalEnergies for the sale of all of the shares of TotalEnergies EP Canada for \$5.5 billion in cash plus a contingent payment of up to \$600.0 million. The transaction with Suncor was conditional upon ConocoPhillips waiving its right of first refusal with respect to the Surmont Oil Sands Project. On May 26, 2023, ConocoPhillips exercised its preemption right to acquire the interest from TotalEnergies for \$4.0 billion and contingent payments of up to \$440.0 million.

Suncor financed the acquisition of TotalEnergies EP Canada through an offering of \$1.5 billion in aggregate principal amount of senior unsecured notes. The offering was comprised of two tranches, consisting of \$1.0 billion principal amount of Series 9 Medium Term Notes due on November 17, 2025 with a coupon rate of 5.60% and \$500.0 million principal amount of Series 10 Medium Term Notes due on November 17, 2026 with a coupon rate of 5.40%.

Date of Analysis: January 10, 2024

TOURMALINE / BONAVISTA

Purchaser: Tourmaline Oil Corp.
 Date Announced: October 16, 2023
 Transaction Type: Corporate
 Reserves Acquisition Price: **\$3.05/boe**

Acquisition: Bonavista Energy Corporation
 Date Completed: November 17, 2023
 Operating CF Multiple: **3.2 X**
 Production Acquisition Price: **\$24,167/boe/d**

Estimated Value:

	<u>\$MM</u>		<u>\$MM</u>
Equity Value	\$1,450.00 ⁽¹⁾	Enterprise Value	\$1,450.00
plus: Long term debt	-	less: Undeveloped land	-
Working capital deficit	-	Working capital surplus	-
Other liabilities	-	Other assets	-
Enterprise Value	<u>\$1,450.00</u>	Value of Reserves	<u>\$1,450.00</u>

Reserves:

Net Present Value of Reserves (\$MM):

	<u>Oil & NGL</u>	<u>Natural Gas</u>	<u>Total</u>	<u>Discounted</u>
	(MMbbls)	(Bcf)	(MMboe)	10%
Proven Producing	53.468	584.384	150.865	1,426.00
Proven Non-Producing	1.493	24.584	5.590	45.00
Undeveloped	<u>43.141</u>	<u>490.636</u>	<u>124.914</u>	<u>726.00</u>
Total Proven	98.102	1,099.604	281.369	2,197.00
Probable	<u>71.976</u>	<u>730.552</u>	<u>193.735</u>	<u>1,268.00</u>
Total P+P	<u>170.078</u>	<u>1,830.156</u>	<u>475.104</u>	<u>3,465.00</u>

Source of reserves estimate:

GLJ Ltd.

Effective date of reserves information:

December 31, 2022

<u>RLI:</u>	<u>Proven Producing</u>	<u>Total Proven</u>	<u>Total P+P</u>	<u>Reserve Weighting:</u>	<u>Oil & NGL</u>	<u>Natural Gas</u>
	(years)	(years)	(years)		(%)	(%)
Oil & NGL	6.8	12.4	21.6	Proven Producing	35	65
Natural Gas	6.9	13.1	21.8	Proven	35	65
BOE	6.9	12.8	21.7	P+P	36	64

Daily Production:

Oil & NGL: 21,600 bbls/d
 Natural Gas: 230.40 MMcf/d
BOE: 60,000 boe/d

Basis of production information: Current production as at October 16, 2023

TOURMALINE / BONAVISTA

Undeveloped Land: N.A.

Operating Cash Flow Estimate: \$450.00 million per year

Basis of cash flow estimate: Based on Tourmaline's forecast of operating cash flow from the Bonavista assets for the year ended December 31, 2024 before interest, overhead and current income tax.

Operating Cash Flow Multiple: 3.2 X

Price Assumptions Used in Evaluation:

	WTI (\$US/bbl)	AECO Natural Gas Price (\$C/MMbtu)
2023	80.00	3.50
2024	80.00	3.50
2025	80.00	3.50
2026	80.00	3.50
2027	80.00	3.50

Effective date of pricing: Based on flat pricing of US\$80.00 WTI & C\$3.50 AECO as at December 31, 2022

Notes:

- 1) Based on a cash payment of \$725.0 million and the issuance of an estimated 10,437,662 Tourmaline shares, with each Tourmaline share priced at \$69.46 on the last trading day prior to the announcement of the transaction.

Comments:

Bonavista's main producing properties were located in the Ansell, Garrington, Hoadley, Marlboro, Medicine Lodge, Morningside, Pine Creek, Rosevear, Strachan, Westeros, Willesden Green and Wilson Creek areas of Alberta. With this acquisition, Tourmaline was forecasting to exit 2023 with production of over 600,000 boe/d (76% natural gas). This was one of two transactions announced by Tourmaline in the quarter as it also acquired assets in the Resthaven-Kakwa area of Alberta from White Horse for \$19.1 million (page 48).

Tourmaline estimated that as of October 1, 2023, Bonavista held 459.0 MMboe of proved plus probable reserves. If these reserve numbers are used in our analysis, the price on a proved plus probable reserve basis would increase to \$3.16/boe.

At December 31, 2022 Bonavista had the following unused Canadian income tax pools:

	\$MM
Canadian Exploration Expense	373.4
Canadian Development Expense	297.9
Canadian Oil & Gas Property Expense	347.1
Undepreciated Capital Cost Allowance	109.1
Non-Capital Losses	551.3
Other	<u>10.4</u>
TOTAL	<u>1,689.2</u>

Date of Analysis: January 10, 2024

TOURMALINE / WHITE HORSE ASSETS

Purchaser: Tourmaline Oil Corp.
 Date Announced: November 1, 2023
 Transaction Type: Property
 Reserves Acquisition Price: **\$1.96/boe**

Acquisition: White Horse Resources Ltd. assets
 Date Completed: Third Quarter 2023
 Operating CF Multiple: **N.A.**
 Production Acquisition Price: **\$32,101/boe/d**

<u>Estimated Value:</u>	<u>\$MM</u>
Enterprise Value	\$19.10
less: Undeveloped land	-
Other assets	-
Value of Reserves	<u>\$19.10</u>

Reserves:

Net Present Value of Reserves (\$MM):

	<u>Oil & NGL</u>	<u>Natural Gas</u>	<u>Total</u>	<u>Discounted</u>
	(MMbbls)	(Bcf)	(MMboe)	10%
Proven Producing	0.284	3.973	0.946	14.60
Proven Non-Producing & Undeveloped	<u>1.001</u>	<u>14.015</u>	<u>3.337</u>	<u>24.20</u>
Total Proven	1.285	17.989	4.283	38.80
Probable	<u>1.644</u>	<u>23.020</u>	<u>5.481</u>	<u>42.20</u>
Total P+P	<u>2.929</u>	<u>41.009</u>	<u>9.764</u>	<u>81.00</u>

Source of reserves estimate:

McDaniel & Associates Consultants Ltd. with oil/natural gas reserve split based on production weighting

Effective date of reserves information:

December 31, 2022

<u>RLI:</u>	<u>Proven Producing (years)</u>	<u>Total Proven (years)</u>	<u>Total P+P (years)</u>	<u>Reserve Weighting:</u>	<u>Oil & NGL (%)</u>	<u>Natural Gas (%)</u>
Oil & NGL	4.4	19.7	45.0	Proven Producing	30	70
Natural Gas	4.4	19.7	45.0	Proven	30	70
BOE	4.4	19.7	45.0	P+P	30	70

Daily Production:

Oil & NGL: 179 bbls/d
 Natural Gas: 2.50 MMcf/d
BOE: 595 boe/d

Basis of production information: Current production as at November 1, 2023

TOURMALINE / WHITE HORSE ASSETS

Undeveloped Land: N.A.

Operating Cash Flow Estimate: N.A.

Price Assumptions Used in Evaluation:

	<u>Edmonton Par</u> <u>Price 40° API</u> <u>(\$C/bbl)</u>	<u>AECO Natural</u> <u>Gas Price</u> <u>(\$C/MMbtu)</u>
2023	103.76	4.23
2024	97.74	4.40
2025	95.27	4.21
2026	95.58	4.27
2027	97.07	4.34

Effective date of pricing: Average of GLJ Ltd., McDaniel and Sproule Associates Limited's price forecasts as at January 1, 2023

Comments:

The assets acquired are located in the Resthaven-Kakwa area of Alberta. The acquisition expands lands and inventory adjacent to a Cardium oil discovery made by Tourmaline in the first quarter of 2023. Tourmaline has identified over 75 drilling locations on the White Horse assets. This was one of two transactions announced by Tourmaline in the quarter as it also acquired all of the issued and outstanding shares of Bonavista for approximately \$1.5 billion (page 46).

Tourmaline estimated that as of July 1, 2023, the White Horse assets held approximately 4.3 MMboe of proved plus probable reserves. If these reserve numbers are used in our analysis the price on a proved plus probable reserve basis would increase to \$4.46/boe.

Date of Analysis: January 12, 2024

WHITECAP / BAYTEX ASSETS

Purchaser: Whitecap Resources Inc.
 Date Announced: November 27, 2023
 Transaction Type: Property
 Reserves Acquisition Price: **\$8.12/boe**

Acquisition: Baytex Energy Corp. assets
 Date Completed: December 2023
 Operating CF Multiple: **1.5 X**
 Production Acquisition Price: **\$33,175/boe/d**

Estimated Value:	\$MM
Enterprise Value	\$153.80
less: Undeveloped land	-
Other assets	-
Value of Reserves	<u>\$153.80</u>

Reserves:

Net Present Value of Reserves (\$MM):

	Oil & NGL	Natural Gas	Total	Discounted
	(MMbbls)	(Bcf)	(MMboe)	10%
Proven Producing	4.730	0.000	4.730	159.00
Proven Non-Producing & Undeveloped	<u>8.226</u>	<u>0.000</u>	<u>8.226</u>	<u>91.00</u>
Total Proven	12.956	0.000	12.956	250.00
Probable	<u>5.991</u>	<u>0.000</u>	<u>5.991</u>	<u>146.00</u>
Total P+P	<u>18.947</u>	<u>0.000</u>	<u>18.947</u>	<u>396.00</u>

Source of reserves estimate:

McDaniel & Associates Consultants Ltd.

Effective date of reserves information:

December 31, 2022

RLI:	Proven Producing (years)	Total Proven (years)	Total P+P (years)	Reserve Weighting:	Oil & NGL (%)	Natural Gas (%)
Oil & NGL	2.8	7.7	11.2	Proven Producing	100	0
Natural Gas	-	-	-	Proven	100	0
BOE	2.8	7.7	11.2	P+P	100	0

Daily Production:

Oil & NGL: 4,636 bbls/d
 Natural Gas: - MMcf/d
BOE: 4,636 boe/d

Basis of production information: Six months ended June 30, 2023

WHITECAP / BAYTEX ASSETS

Undeveloped Land: N.A.

Operating Cash Flow Estimate: \$106.00 million per year

Basis of cash flow estimate: Based on actual operating cash flow from the assets for the six months ended June 30, 2023 before interest, overhead and current income tax.

Operating Cash Flow Multiple: 1.5 X

Price Assumptions Used in Evaluation:

	<u>Edmonton Par</u> <u>Price 40° API</u> (\$C/bbl)	<u>AECO Natural</u> <u>Gas Price</u> (\$C/MMbtu)
2023	103.77	4.23
2024	97.74	4.40
2025	95.27	4.21
2026	95.58	4.27
2027	94.07	4.34

Effective date of pricing: Average of GLJ Ltd., McDaniel and Sproule Associates Limited's price forecasts as at January 1, 2023

Comments:

The assets acquired are located in the Forgan and Plato areas of southwestern Saskatchewan and production is predominantly from the Viking Formation. Baytex used the proceeds from the sale to reduce its debt outstanding.

Whitecap has identified over 400 net drilling locations on the properties. Whitecap stated that the properties were producing 4,000 bbl/d of oil at closing. If this production number is used in our analysis the acquisition price on a \$/boe/d basis would increase to \$38,450/boe/d.

Date of Analysis: January 16, 2024

Recent Transactions Completed by Sayer Energy Advisors

This announcement appears as a matter of record only.



has sold its interests in the Huntoon, Midale, Midale North and Weyburn areas of Saskatchewan to




The undersigned acted as financial advisor to Aldon for this transaction.




October 2023

This announcement appears as a matter of record only.



has sold its interests in the Northgate area of Saskatchewan


The undersigned acted as financial advisor to Burgess Creek for this transaction.




October 2023

This announcement appears as a matter of record only.


All of the oil and natural gas interests of




have been sold through its receiver



to




The undersigned acted as financial advisor to FTI for this transaction.



October 2023

This announcement appears as a matter of record only.



has sold its interests in certain non-core properties in Alberta


The undersigned acted as financial advisor to Integrity for this transaction.




October 2023

This announcement appears as a matter of record only.


Certain oil and natural gas interests in the Abbey area of Saskatchewan held by




have been sold through its receiver



to




The undersigned acted as financial advisor to MNP for this transaction.




November 2023

This announcement appears as a matter of record only.



has sold its royalty interests in the Golden Lake and Kerrobert areas of Saskatchewan

The undersigned acted as financial advisor to Raymark for this transaction.



November 2023

NOTES

1. Definitions:
 - a. \$/boe: the value ascribed on a per barrel of oil equivalent (“boe”) basis to proven and probable reserves before royalties using NI 51-101. The detailed analysis of each transaction and the summary graphs use the conversion rates of 6 Mcf equals one barrel. Non-reserve assets and liabilities are excluded from the reserve purchase price for this calculation.
 - b. \$/boe/d: Reserves Value divided by equivalent barrels of daily production.
 - c. Acquisition Value: the estimated fair market value of the amount expended by the purchaser for the equity portion of the acquisition. In some transactions, this figure may be different from the Total Value as the purchaser only acquired a portion of the Total Value.
 - d. Break Fee: the amount payable to the purchaser by the company being acquired (the “seller”) if the seller does not proceed with the transaction agreement in certain circumstances. This would include, but is not limited to, accepting a superior take-over bid.
 - e. Enterprise Value: the total equity value plus long-term debt, working capital deficit and other liabilities. The latter item includes such things as site restoration, executive compensation, future overhead expense, hedging contracts liability or asset.
 - f. GORR: gross overriding royalty.
 - g. Median Acquisition Price: the price where there is an equal number of transactions above and below the median. This approach is less sensitive to extreme values of \$/boe than a simple average and is less sensitive to larger deals than a weighted average.
 - h. Operating Cash Flow Multiple: Reserves Value divided by an estimate of yearly net operating income before overhead, interest and current income tax.
 - i. Premium/(Discount) to Market Price: the percentage premium of the price per common share paid by the purchaser for the acquisition compared to the closing market price of the purchased company on the day prior to the announcement of the take-over.
 - j. Reserve Life Index (“RLI”): Total Proven Reserves divided by total yearly production at production rates noted in the transaction analysis.
 - k. Reserves Value: the acquisition value excluding non-reserve assets and liabilities.
 - l. Total Value: the cash purchase price paid for the assets in the case of an asset acquisition or the price paid for 100% of the equity of the company acquired in the case of a corporate transaction.
2. All Dollar amounts are in Canadian funds, unless noted otherwise.
3. This publication includes only those transactions that involve the purchase of oil and natural gas reserves. In addition to the transactions noted herein, a number of other private transactions have taken place. Although some transactions may not be included in our database, we believe the published data is representative of industry trends.
4. The Enterprise Value and the Value of Reserves used in this report do not include any value for tax pools acquired in the transaction or created as a result of the transaction. Where available, existing tax pools of the acquired company are described in the Comments section on each individual analysis.
5. The information contained herein was based on information which was obtained from sources which we believe are reliable, however we cannot guarantee its accuracy or completeness. The opinions expressed herein are based on our analysis and interpretation of this information and are not to be construed as a solicitation of an offer to buy or sell any securities. Sayer Energy Advisors may act as financial advisor or fiscal agent for certain companies mentioned herein and may receive remuneration for its services. This report is furnished on the basis and the understanding that Sayer Energy Advisors is to be under no responsibility or liability in respect thereof.
6. While every effort has been made to ensure the accuracy and timeliness of this publication, the analysis and comments are necessarily of a general nature. We would also like to note that there is more information available in our files on specific transactions that we can publish in the Report. Clients are urged to seek specific advice on matter of concern and not to rely solely on the text of this publication.
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