



FOURTH QUARTER 2022

Median Reserves Acquisition Price
\$5.41/boe

Median Production Acquisition Price
\$49,555/boe/d

Enterprise Value of Transactions
\$3.8 billion

Assets and Companies for Sale
\$3.3 billion



**CANADIAN OIL INDUSTRY
MERGER AND ACQUISITION REPORT**

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CANADIAN OIL INDUSTRY MERGER AND ACQUISITION REPORT

HIGHLIGHTS

FOURTH QUARTER 2022

Median Reserves Acquisition Price	Enterprise Value of Transactions
\$5.41/boe	\$3.8 billion
Median Production Acquisition Price	Assets and Companies for Sale
\$49,555/boe/d	\$3.3 billion

Purchaser	Acquisition	Enterprise Value	Acquisition Price		Page Number
		\$MM	\$/boe	\$/boe/d	
Archer	Ridgeback assets	\$103.50	\$2.98	\$35,690	32
Crescent Point	Paramount assets	\$375.00	\$5.87	\$80,357	34
ROK	Whitecap assets	\$51.50	\$4.95	\$34,295	36
Suncor	Teck assets	\$1,000.00	\$2.03	\$26,500	38
Surge	Enerplus assets	\$249.58	\$16.57	\$63,421	40

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M&A VALUE DOWN 43% QUARTER-OVER-QUARTER

The total M&A activity in the fourth quarter of 2022 was approximately \$3.8 billion, down 43% from the \$6.7 billion of total enterprise value of M&A activity recorded in the third quarter of 2022. In the fourth quarter of 2021, the total enterprise value was approximately \$4.4 billion. There were two transactions valued at over \$1.0 billion in the fourth quarter of 2022.

The largest transaction this quarter was publicly-traded M3-Brigade Acquisition III Corp.'s planned transaction with privately-held Greenfire Resources Inc. for approximately \$1.3 billion (page 29). M3-Brigade is a New York Stock Exchange listed special purpose acquisition company which has entered into a definitive agreement for a business combination with Greenfire. Greenfire currently has two producing oil sands assets in the Hangingstone area of Alberta with current production of approximately 22,000 bbl/d of bitumen. The combined entity is expected to be managed by Greenfire's current executive team. Closing of the transaction is expected to occur in the second quarter of 2023.

The second largest transaction in the quarter was Suncor Energy Inc.'s pending acquisition of assets from Teck Resources Limited for approximately \$1.0 billion (page 38). Suncor is acquiring Teck's 21.3% working interest in the Fort Hills Oil Sands Project with current production of 37,736 bbl/d of oil. On January 27, 2023, TotalEnergies EP Canada Ltd. announced that it has exercised its pre-emption right to acquire an additional 6.65% in the project from Teck for \$312.0 million. With the exercise of the pre-emption right, TotalEnergies' share in the project will increase to 31.23% with Suncor holding the remaining 68.77%.

Another significant transaction announced in the quarter was Crescent Point Energy Corp.'s acquisition of assets from Paramount Resources Ltd. for \$375.0 million (page 34). The assets acquired are located in the Kaybob area of Alberta. The assets are adjacent to Crescent Point's existing land base. Crescent Point has identified 130 net drilling locations on the lands acquired. Crescent Point funded the acquisition through existing credit facilities. Paramount used a portion of the proceeds to repay bank debt as well as payout a special dividend of \$1.00 per class A common share. This was one of two transactions announced by Crescent Point in the quarter as it also announced the acquisition of Duvernay interests from Repsol Oil & Gas Canada Inc. in the Kaybob area for \$87.0 million (page 29).

The number of large transactions (over \$5 million in value) in the fourth quarter of 2022 decreased to 15 deals from 16 in the third quarter of 2022. With the drop in enterprise value in the fourth quarter, the average deal size for large transactions fell to \$250.1 million; last quarter it was \$418.0 million.

Of the 15 large transactions in the fourth quarter, there were four corporate transactions and 11 property deals, with total enterprise values of \$1.3 billion and \$2.4 billion respectively. Last quarter there were five corporate deals valued at \$5.5 billion and 11 property transactions valued at \$1.2 billion. Of the approximately \$3.8 billion in large transactions in the quarter, 14 deals were oil-weighted and one transaction was weighted towards natural gas, with total enterprise values of approximately \$3.7 billion and \$26.3 million respectively.

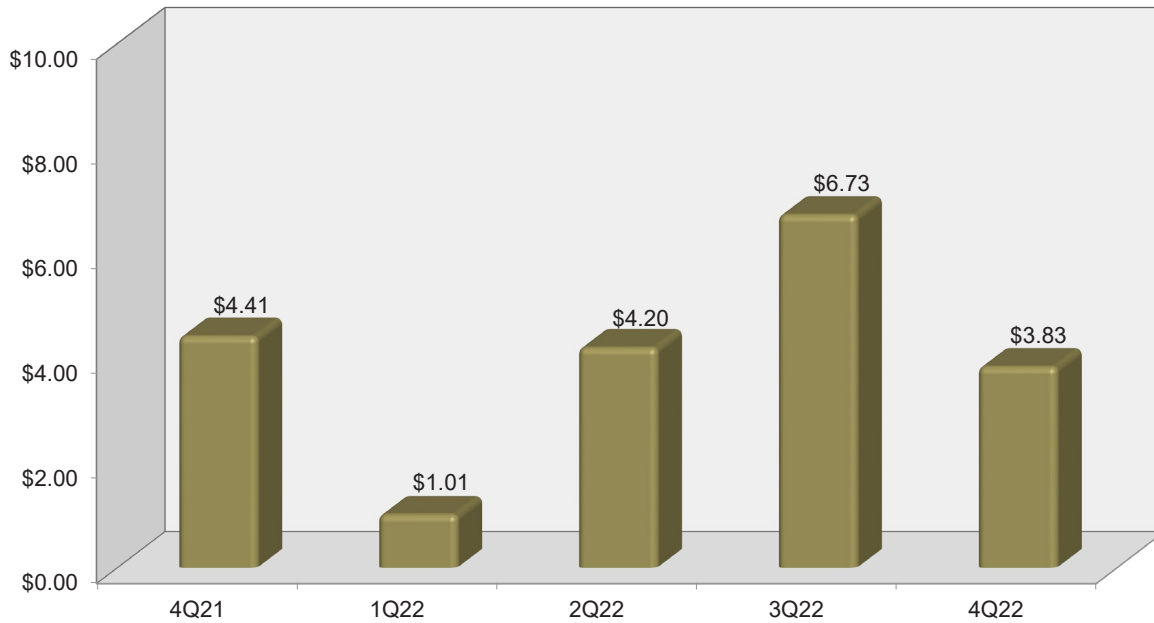
The median acquisition price paid per flowing barrel increased 13% to \$49,555/boe/d in the fourth quarter of 2022 from \$43,339/boe/d in the third quarter of 2022. The median acquisition price for proven plus probable reserves decreased 40% quarter-over-quarter to \$5.41/boe from \$7.61/boe in the third quarter of 2022.

There is insufficient data this quarter to calculate the spread between oil and natural gas on a \$/boe/d basis or \$/boe basis as there were no natural gas weighted transactions with adequate information to calculate acquisition prices.

A trend we saw in early 2022 continued into the fourth quarter of 2022 as a number of privately-held oil and natural gas companies were sold to both publicly-traded and privately-held oil and natural gas companies. A previously-mentioned example of this in the fourth quarter is the proposed transaction between M3-Brigade and Greenfire for approximately \$1.3 billion (page 29). Another example of this is the reverse take-over of Chronos Resources Ltd. by Samoth Oilfield Inc. for approximately \$22.8 million (page 30). The acquisition of Lintus Resources Limited by New North Resources Ltd. (page 30) and the acquisition of Saskatoon Leaseholds Limited by 2163754 Alberta Ltd. (page 29) are further examples. With the continued inability for many Canadian oil and natural gas companies to raise capital coupled with recent increases in interest rates, we most likely will witness more M&A activity through 2023.

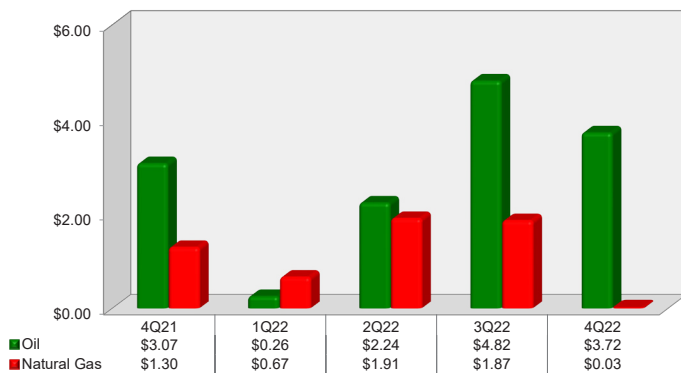
M&A ENTERPRISE VALUE

M&A Enterprise Value of Transactions - \$Billions

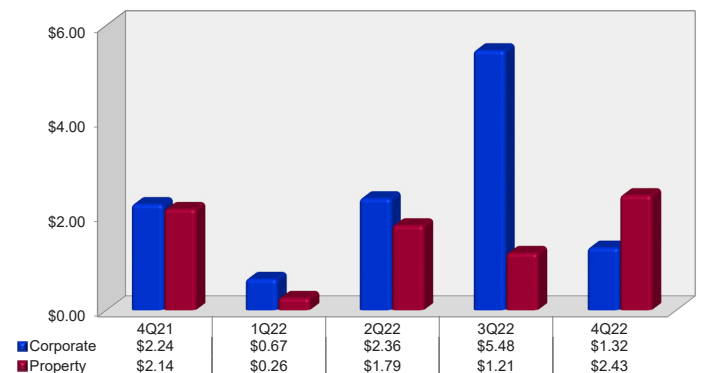


The total M&A enterprise value (large and small deals) in the fourth quarter of 2022 decreased 43% to \$3.8 billion from the \$6.7 billion recorded in the third quarter of 2022. On a year-over-year basis, the enterprise value in the fourth quarter dropped 13% from the \$4.4 billion recorded in the fourth quarter of 2021.

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



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

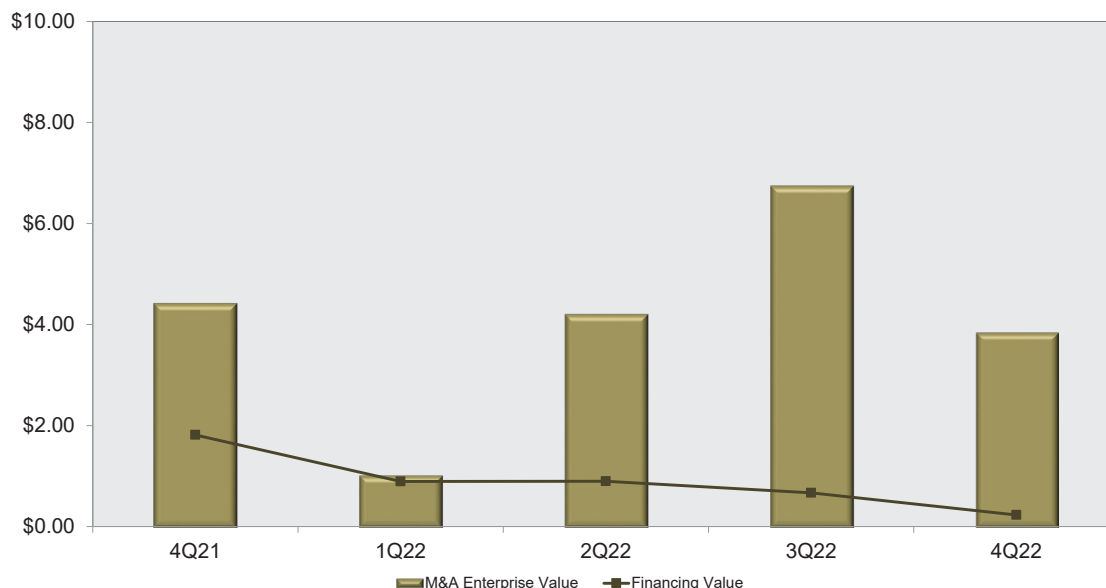


The enterprise value for large oil-weighted transactions valued at over \$5.0 million was \$3.7 billion in the fourth quarter of 2022, a 23% decrease from the \$4.8 billion calculated in the third quarter of 2022. The enterprise value for large natural gas-weighted transactions in the fourth quarter fell to \$26.3 million from the \$1.9 billion recorded in the third quarter of 2022.

Corporate transactions valued at over \$5.0 million fell 76% to \$1.3 billion in the fourth quarter from \$5.5 billion in the third quarter of 2022. The enterprise value for property transactions valued at over \$5.0 million doubled to \$2.4 billion in the fourth quarter of 2022 from \$1.2 billion in the prior quarter.

TOTAL FINANCINGS VERSUS M&A ENTERPRISE VALUE

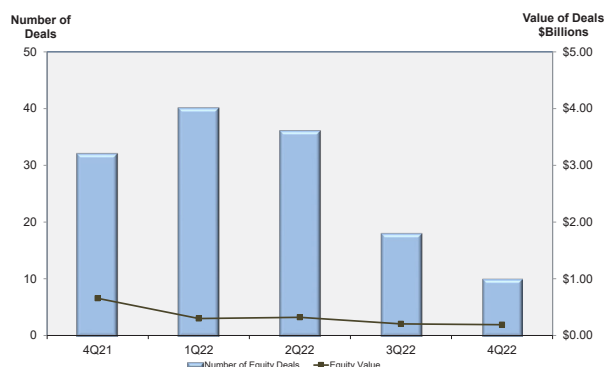
Enterprise Value of Transactions Relative to Total Value of Financings - \$Billions



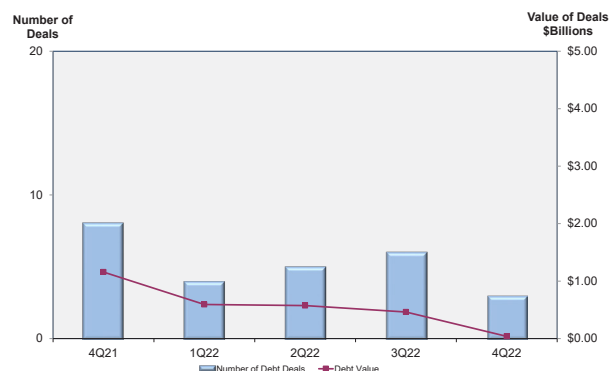
The total value of financings in the fourth quarter of 2022 decreased 66% to \$228.9 million from \$667.2 million in the third quarter of 2022. The total number of financings in the fourth quarter of 2022 was 13, compared to 24 in the previous quarter.

The amount of equity raised in the fourth quarter of 2022 was \$190.2 million, compared to \$204.6 million in the third quarter of 2022. The total number of equity financings in the fourth quarter was 10, compared to 18 in the third quarter of 2022. Debt financings dropped to \$38.7 million in the fourth quarter from \$462.5 million in the third quarter. The total number of debt financings in the third quarter was three, compared to six in the previous quarter.

Equity Financings Value - \$Billions



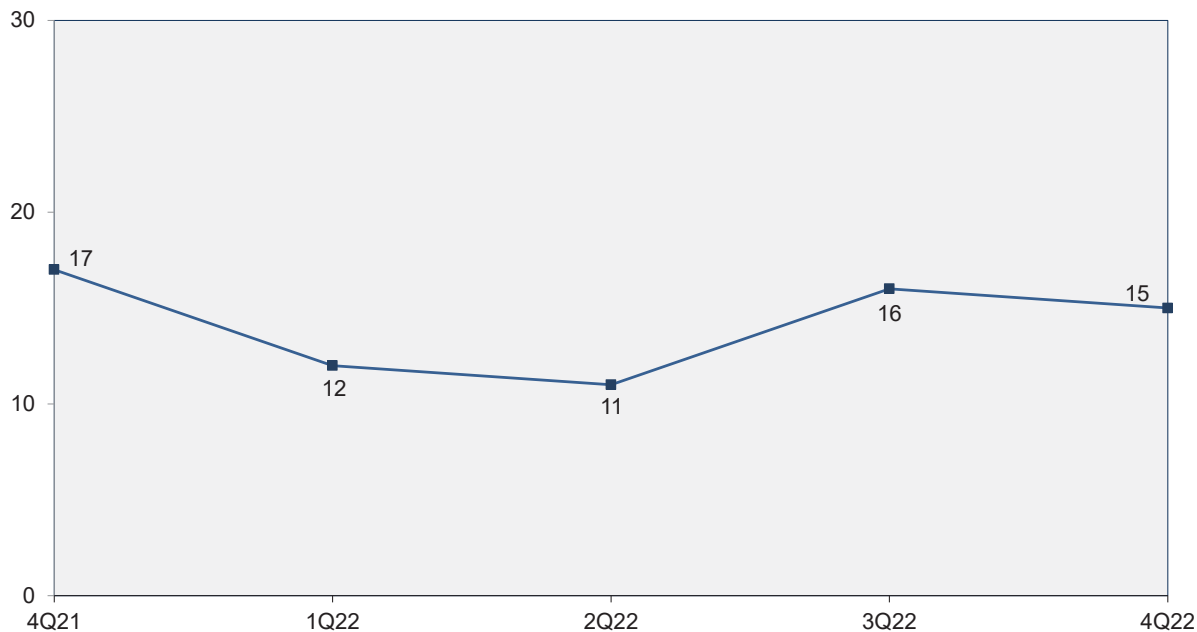
Debt Financings Value - \$Billions



The largest equity offering in the quarter was Surge Energy Inc.'s bought deal equity financing through the issuance of 8,703,200 common shares at a price of \$9.25 per share for gross proceeds of \$80.5 million. Proceeds of the offering were used towards the acquisition of assets from Enerplus Corporation for approximately \$248.7 million (page 40).

The largest debt offering was NG Energy International Corp.'s \$35.0 million private placement offering of unsecured convertible debentures. The senior unsecured convertible debenture units were comprised of one 10% convertible debenture with a principal amount of \$1,000 and 1,000 warrants. The convertible debenture units are for a three-year term with a conversion price equal to \$0.90 per share. Proceeds of the offering were to be used for the completion of two wells in Colombia, finalization of phase 1 of its exploration program and for general working capital.

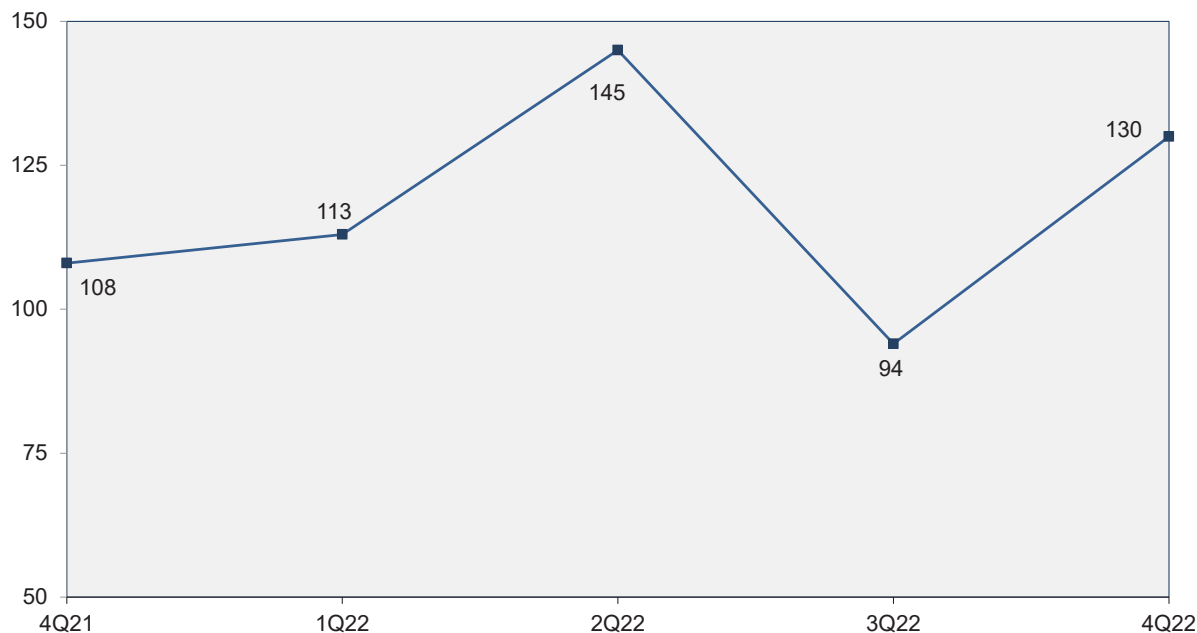
Number of Transactions Over \$5.0 Million



The number of large transactions (valued at over \$5 million in size) was 15 in the fourth quarter of 2022, down from the 16 deals recorded in the previous quarter. The average deal size for large transactions in the fourth quarter was approximately \$250.1 million compared to approximately \$418.0 million last quarter. There were four large corporate transactions and 11 large property transactions in the fourth quarter, with average deal sizes of approximately \$331.0 million and \$220.6 million respectively. The enterprise value of large transactions this quarter was \$3.8 billion compared to \$6.7 billion in the previous quarter.

The number of small deals (under \$5 million in size) increased 38% to 130 in the fourth quarter of 2022 from the 94 recorded last quarter. The total value of small deals rose 82% on a quarter-over-quarter basis to approximately \$81.8 million from approximately \$45.0 million in the third quarter of 2022.

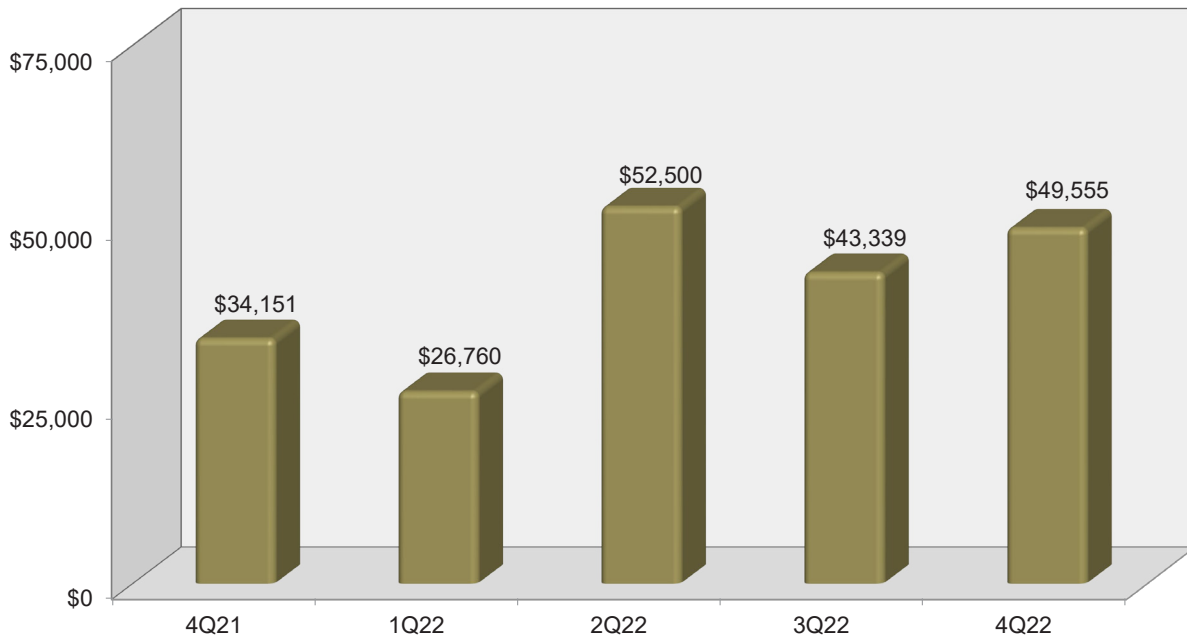
Number of Transactions Under \$5.0 Million



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MEDIAN PRODUCTION ACQUISITION PRICE

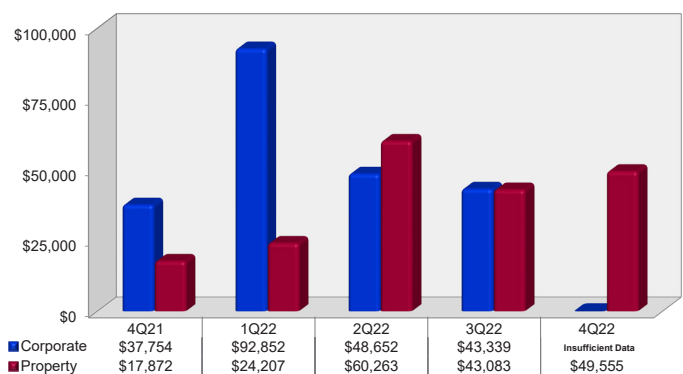
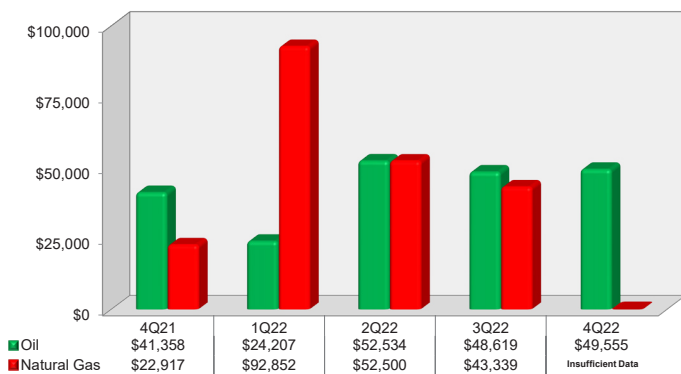
Median Production Acquisition Price - \$/boe/d



The median acquisition price per producing barrel of oil equivalent increased 14% to \$49,555/boe/d in the fourth quarter of 2022 from the third quarter price of \$43,339/boe/d. On a year-over-year basis, the median acquisition price for production is up 45% from the \$34,151/boe/d recorded in the third 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 increased 2% to \$49,555/boe/d in the fourth quarter of 2022 from \$48,619/boe/d in the third quarter. There is insufficient data from the transactions to calculate a median production acquisition price for natural gas-weighted transactions in the fourth quarter of 2022. Due to the deficiency of natural gas deals in the quarter, a median would not be statistically representative. There were 14 large oil-weighted transactions and one large natural gas-weighted transaction this quarter.

There is insufficient data from the transactions to calculate a median production acquisition price for corporate transactions in the fourth quarter of 2022. Due to the deficiency of corporate deals in the quarter, a median would not be statistically representative. The median production price paid for property transactions increased 15% to \$49,555/boe/d from \$43,083/boe/d. There were four large corporate transactions and 11 large property transactions in the fourth quarter of 2022.

A transaction that is representative of the median acquisition price on a \$/boe/d basis was Archer Exploration Corp.'s acquisition of assets from Ridgeback Resources Inc. for \$35,690/boe/d (page 32). The assets acquired are located in the Balsam and Beaverlodge areas of Alberta. Ridgeback distributed the proceeds from the sale to its shareholders.

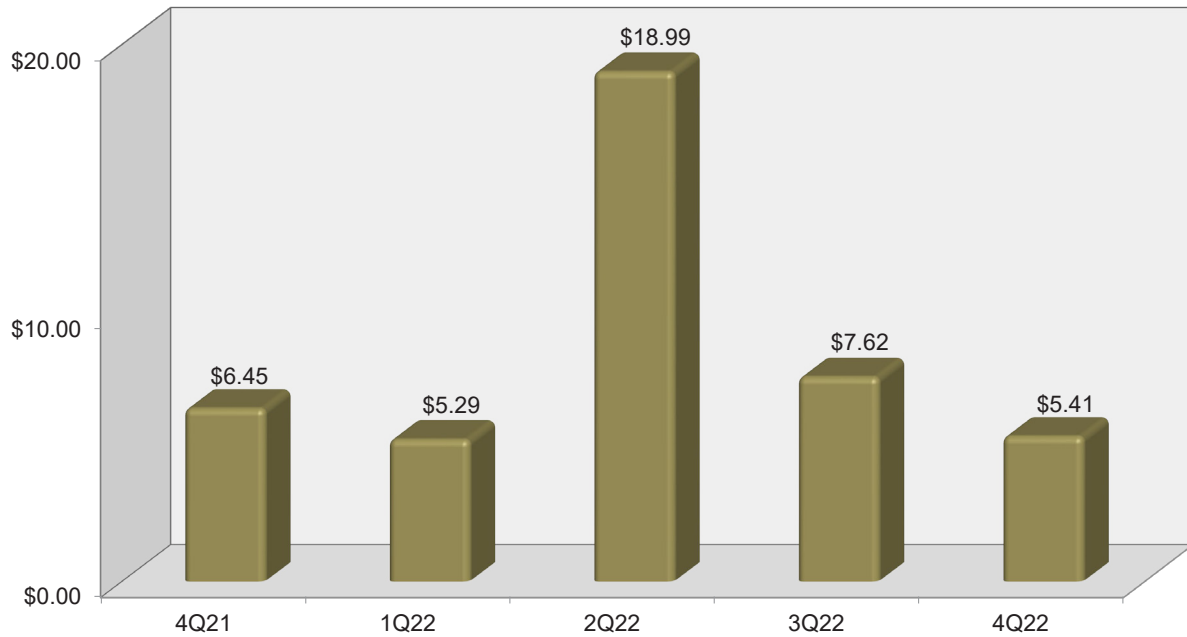
Another transaction that is representative of the median acquisition price on a \$/boe/d basis was ROK Resources Inc.'s acquisition of assets from Whitecap Resources Inc. for \$34,295/boe/d (page 36). The assets acquired are located in the Gainsborough, Pinto and Steelman areas of southeastern Saskatchewan. The total purchase price of the acquisition consists of \$26.5 million in cash and ROK's non-operated interests in the Butte area of southwestern Saskatchewan with total production of 475 bbl/d of oil. ROK's average working interest in the Butte area is 15% with the balance primarily owned and operated by Whitecap. Whitecap, as per its press release dated December 19, 2022, valued ROK's interests in the Butte area of Saskatchewan at \$25.0 million.

The highest priced transaction on a \$/boe/d basis was Crescent Point's acquisition of assets from Paramount for \$80,357/boe/d (page 34). The assets acquired are located in the Kaybob area of Alberta. The assets are adjacent to Crescent Point's existing operations. Crescent Point has identified 130 net drilling locations on the lands acquired. This was one of two transactions announced by Crescent Point in the quarter as it also announced the acquisition of certain interests from Repsol in the Kaybob area for \$87.0 million (page 29).

Another high-priced transaction on a production basis was Surge's acquisition of assets from Enerplus for \$63,421/boe/d (page 40). The assets acquired are located in the Cadogan and Giltedge areas of Alberta and the Freda Lake and Neptune areas of southeastern Saskatchewan. Concurrent with the transaction, Surge completed a bought-deal equity financing for total proceeds of approximately \$80.5 million. The proceeds from the offering were used to partially fund the transaction.

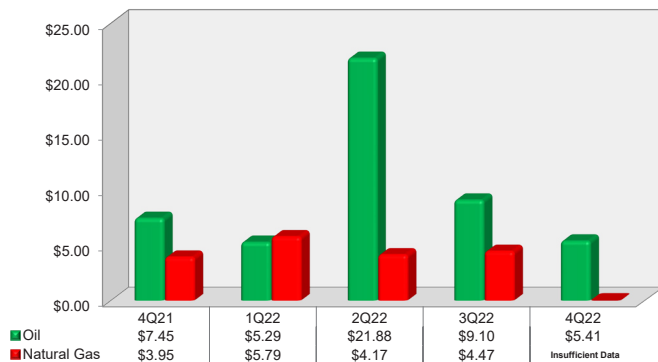
MEDIAN RESERVES ACQUISITION PRICE

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



The median acquisition price for proven plus probable reserves decreased 29% to \$5.41/boe this quarter from the \$7.62/boe calculated in the third quarter of 2022. On a year-over-year basis, the price for proven plus probable reserves decreased 16% from the \$6.45/boe recorded in the fourth quarter of 2021.

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 41% to \$5.41/boe in the fourth quarter of 2022 from the \$9.10/boe calculated in the previous quarter. There is insufficient data from the transactions to calculate a median reserves acquisition price for natural gas-weighted transactions in the fourth quarter of 2022. Due to the deficiency of natural gas deals in the quarter, a median would not be statistically representative.

There is insufficient data from the transactions to calculate a median reserves acquisition price for corporate transactions in the fourth quarter of 2022. Due to the deficiency of corporate deals in the quarter, a median would not be statistically representative. The price paid for property transactions decreased to \$5.41/boe in the fourth quarter compared to the \$7.74/boe paid last quarter, a 30% decrease.

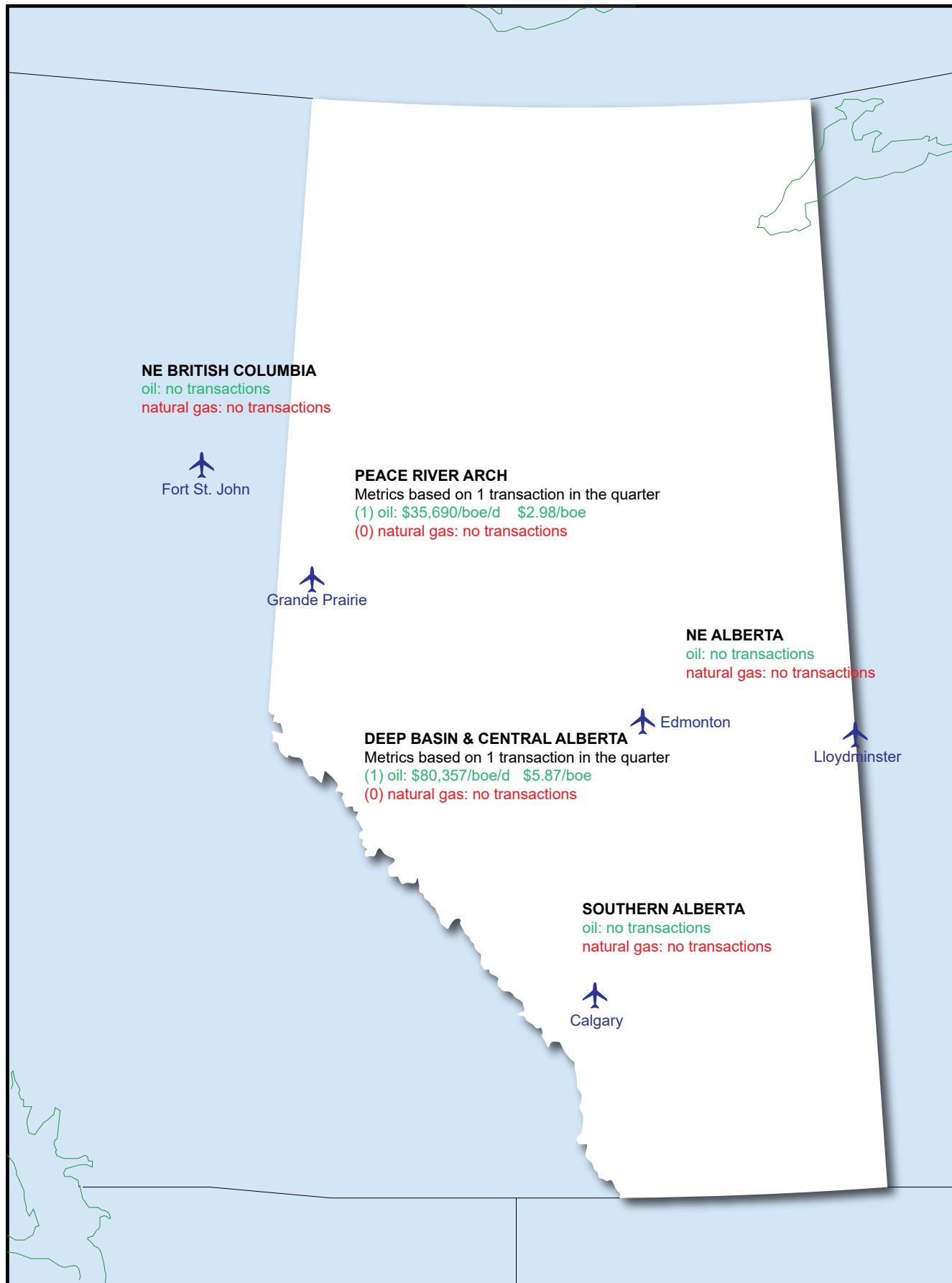
A transaction that is representative of the median acquisition price on a \$/boe basis was ROK's acquisition of assets from Whitecap for \$4.95/boe (page 36). The assets acquired are located in the Gainsborough, Pinto and Steelman areas of southeastern Saskatchewan. The total purchase price of the acquisition consists of \$26.5 million in cash and ROK's non-operated interests in the Butte area of southwestern Saskatchewan with total production of 475 bbl/d of oil. ROK's average working interest in the Butte area is 15% with the balance primarily owned and operated by Whitecap. Whitecap, as per its press release dated December 19, 2022, valued ROK's interests in the Butte area of Saskatchewan at \$25.0 million.

Another transaction that is representative of the median reserves acquisition price was Crescent Point's acquisition of assets from Paramount for \$5.87/boe (page 34). The assets acquired are located in the Kaybob area of Alberta. The assets are adjacent to Crescent Point's existing operations. Crescent Point has identified 130 net drilling locations on the lands acquired. This was one of two transactions announced by Crescent Point in the quarter as it also announced the acquisition of certain interests from Repsol in the Kaybob area for \$87.0 million (page 29).

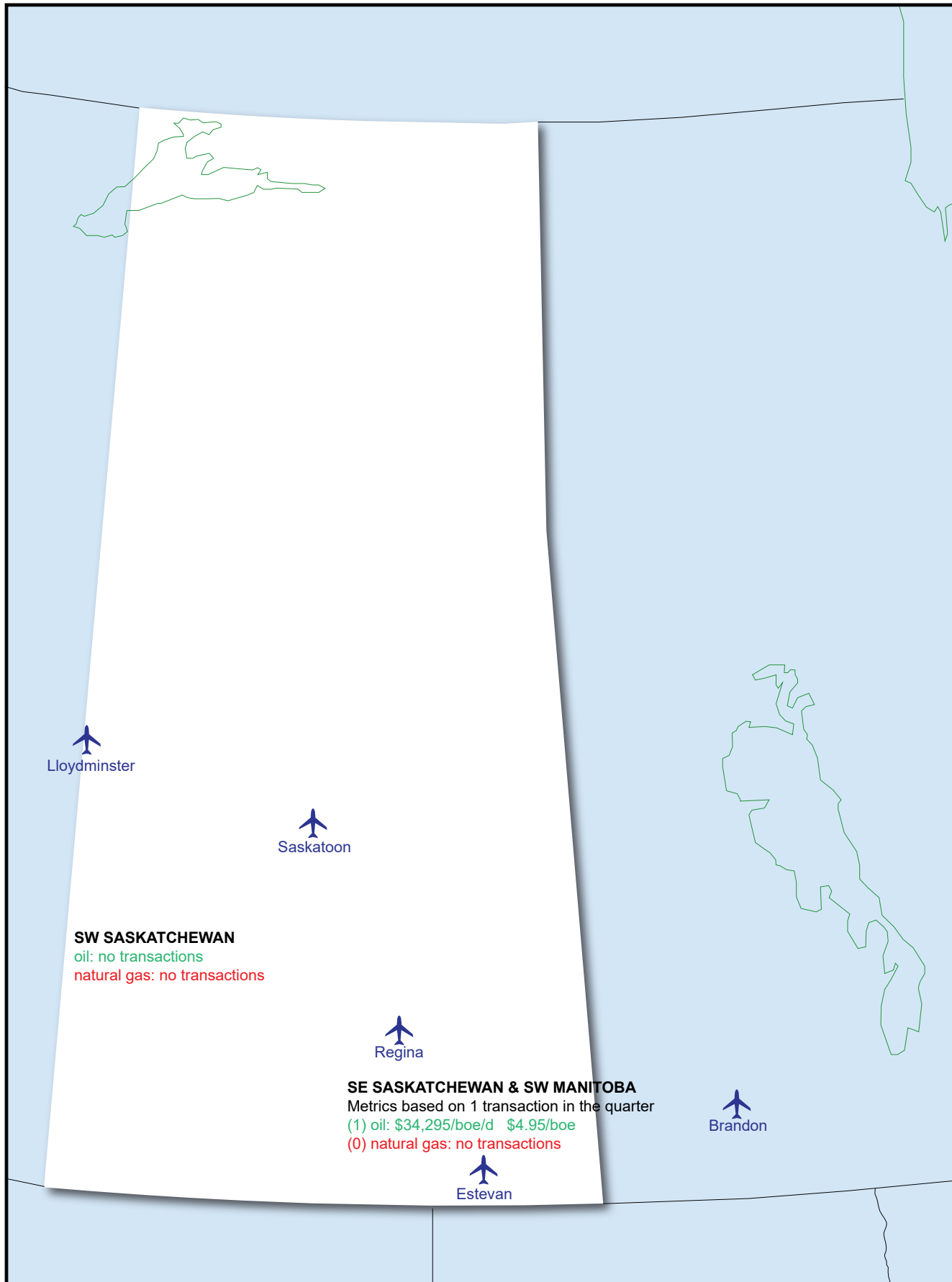
The lowest-priced transaction on a reserves basis was Archer's acquisition of assets from Ridgeback for \$2.98/boe (page 32). The assets acquired are located in the Balsam and Beaverlodge areas of Alberta. Ridgeback distributed the proceeds from the sale to its shareholders.

The highest-priced transaction on a reserves basis was Surge's acquisition of assets from Enerplus for \$16.57/boe (page 40). The assets acquired are located in the Cadogan and Giltedge areas of Alberta and the Freda Lake and Neptune areas of southeastern Saskatchewan. Concurrent with the transaction, Surge completed a bought-deal equity financing for total proceeds of approximately \$80.5 million. The proceeds from the offering were used to partially fund the transaction.

PRODUCTION AND RESERVE METRICS BY AREA

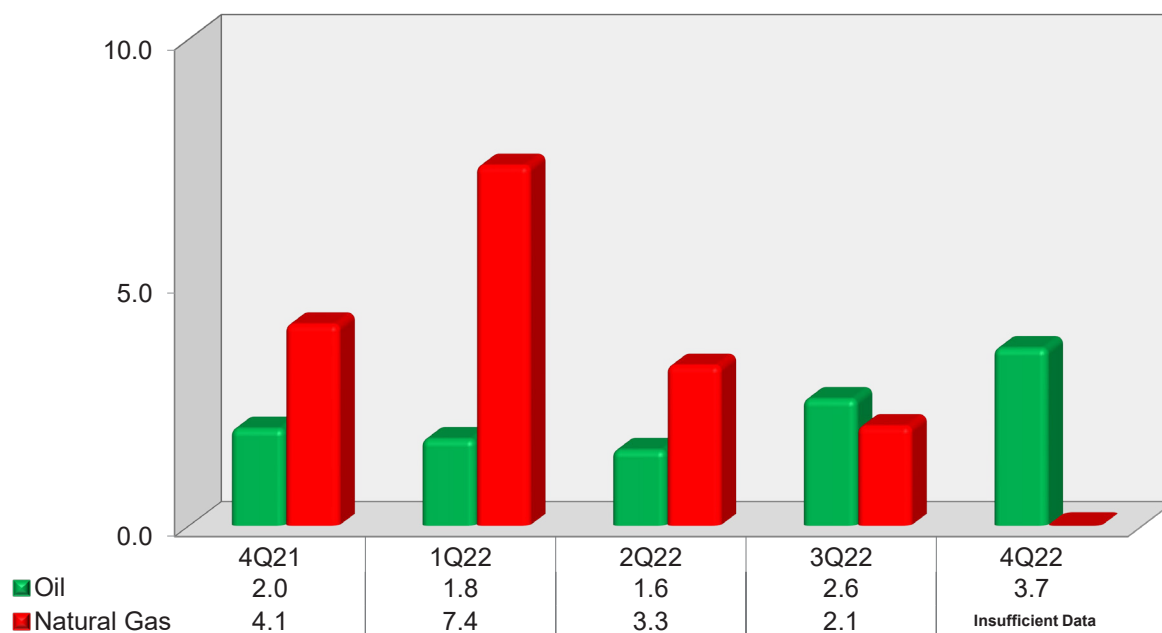


PRODUCTION AND RESERVE METRICS BY AREA



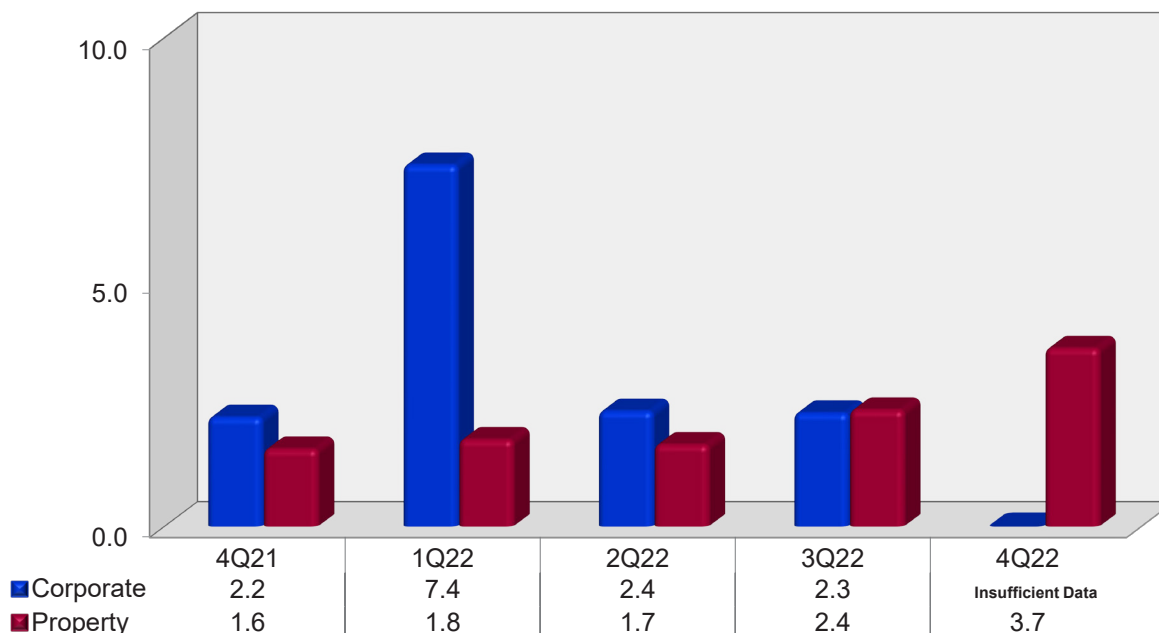
CASH FLOW MULTIPLES

Median Acquisition Operating Cash Flow Multiples
Oil vs. Natural Gas



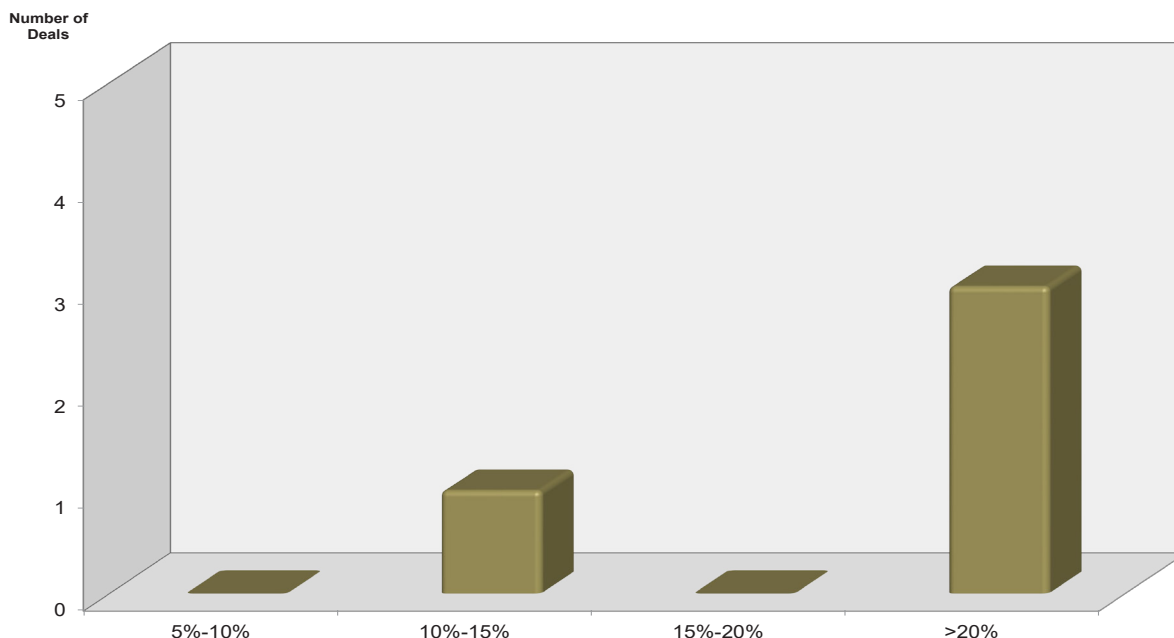
The median operating cash flow multiple for oil-weighted transactions in the fourth quarter of 2022 was 3.7, up 42% from the 2.6 recorded in the third quarter. There is insufficient data from the transactions to calculate a median operating cash flow multiple for natural gas-weighted transactions for the fourth quarter of 2022.

Median Acquisition Operating Cash Flow Multiples
Corporate vs. Property



There is insufficient data from the transactions to calculate a median operating cash flow multiple for corporate transactions in the fourth quarter of 2022. The median operating cash flow multiple for property transactions in the fourth quarter of 2022 rose to 3.7 from the 2.4 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.

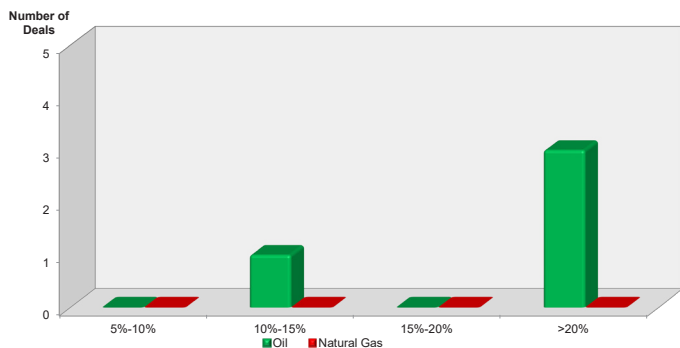
DISCOUNTED CASH FLOW RATES



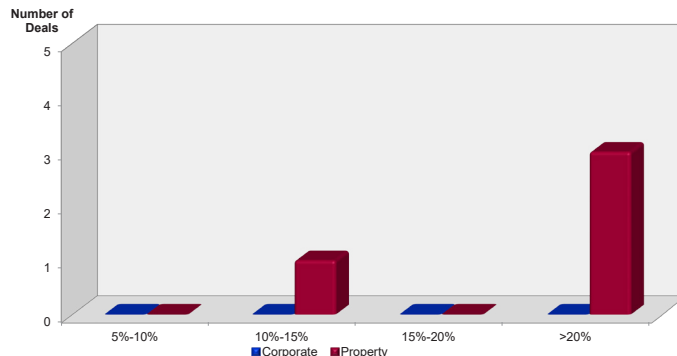
The discounted cash flow (“DCF”) rates on a proven plus probable basis have been analyzed for four transactions in the fourth quarter of 2022.

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



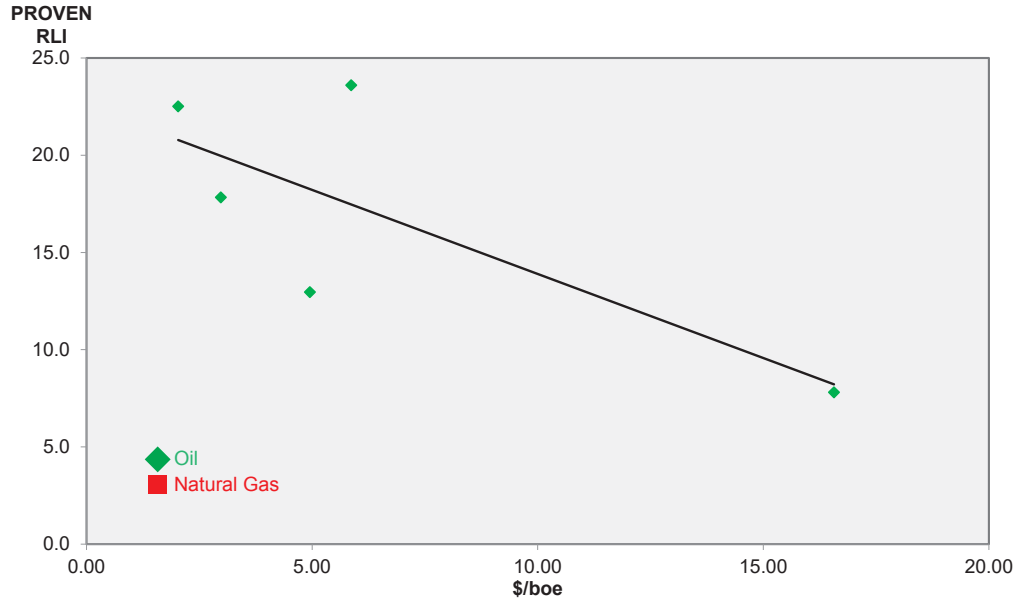
Discounted Cash Flow Rates
Corporate vs. Property



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 2022. The RLI is calculated by dividing the total proven reserves by the annualized production.

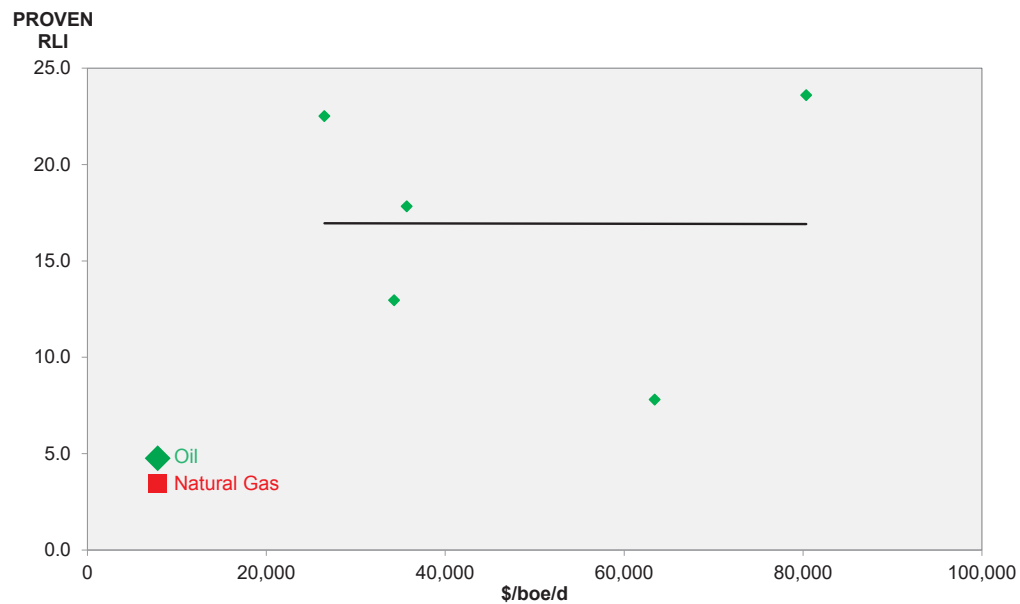
Proven RLI vs. \$/boe



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.

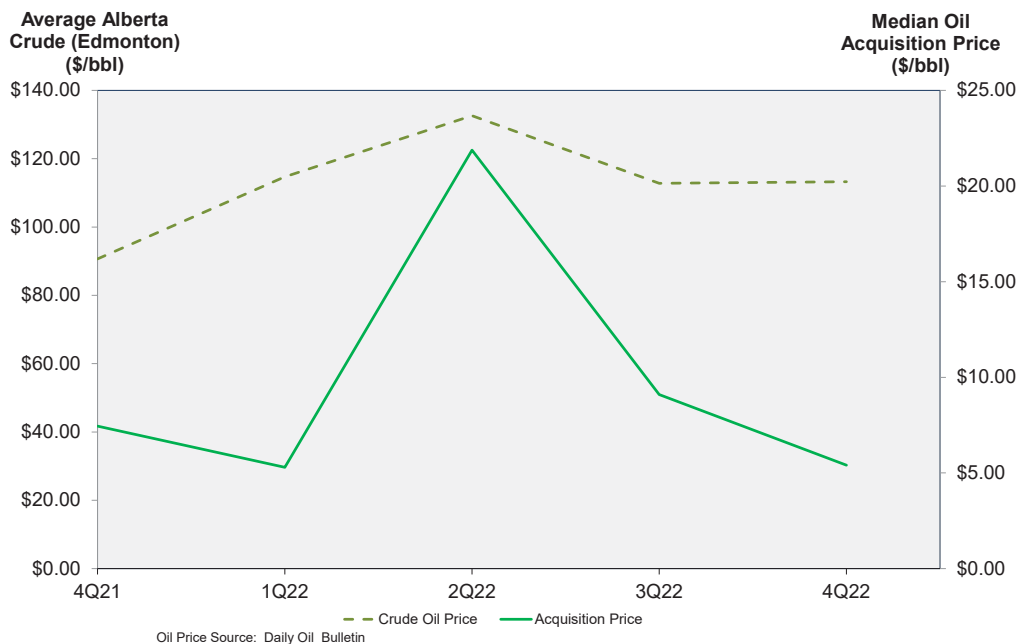
The chart for RLI versus production acquisition prices (\$/boe/d) illustrated below shows a very slight positive correlation, in that as RLI increases, production acquisition costs increase.

Proven RLI vs. \$/boe/d



CORRELATION OF M&A PRICES AND COMMODITY PRICES

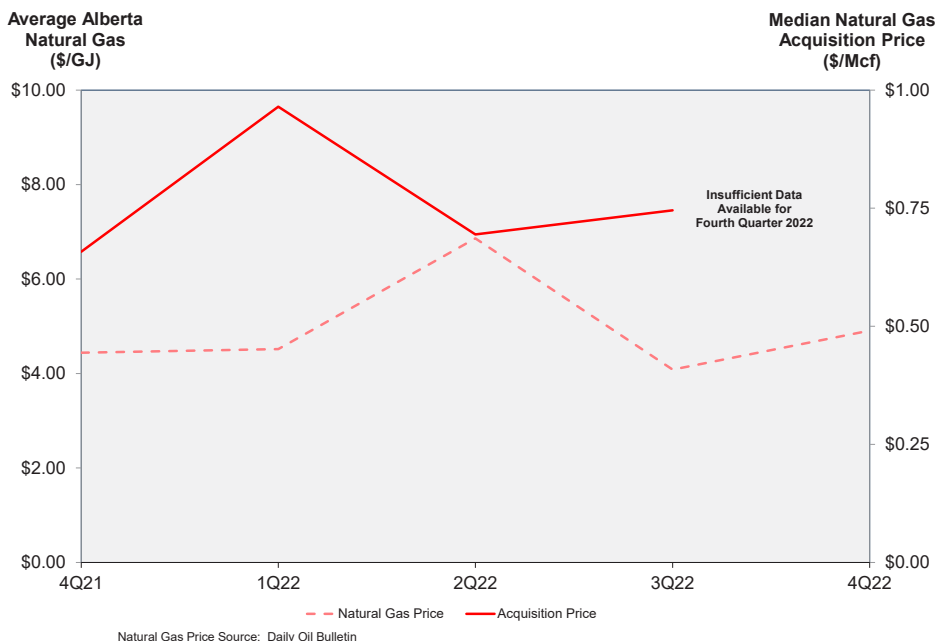
Oil Acquisition Price vs. Crude Oil Price



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, the commodity price has remained flat quarter-over-quarter and over the same time period, the acquisition price has decreased.

The graph below shows the average Alberta natural gas price (AECO-C) versus historical median proven plus probable reserve natural gas acquisition price calculated by Sayer Energy Advisors. There is insufficient data from the transactions in the fourth quarter of 2022 to compare the median proven plus probable reserve natural gas acquisition price to the commodity price in the quarter. As illustrated in the graph below, the price of natural gas has increased 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 2022 has allowed us to update our database and revise prior quarter statistics.

There were no material changes to our statistics since the third quarter of 2022.

FIRST QUARTER 2023 MERGER AND ACQUISITION ACTIVITY

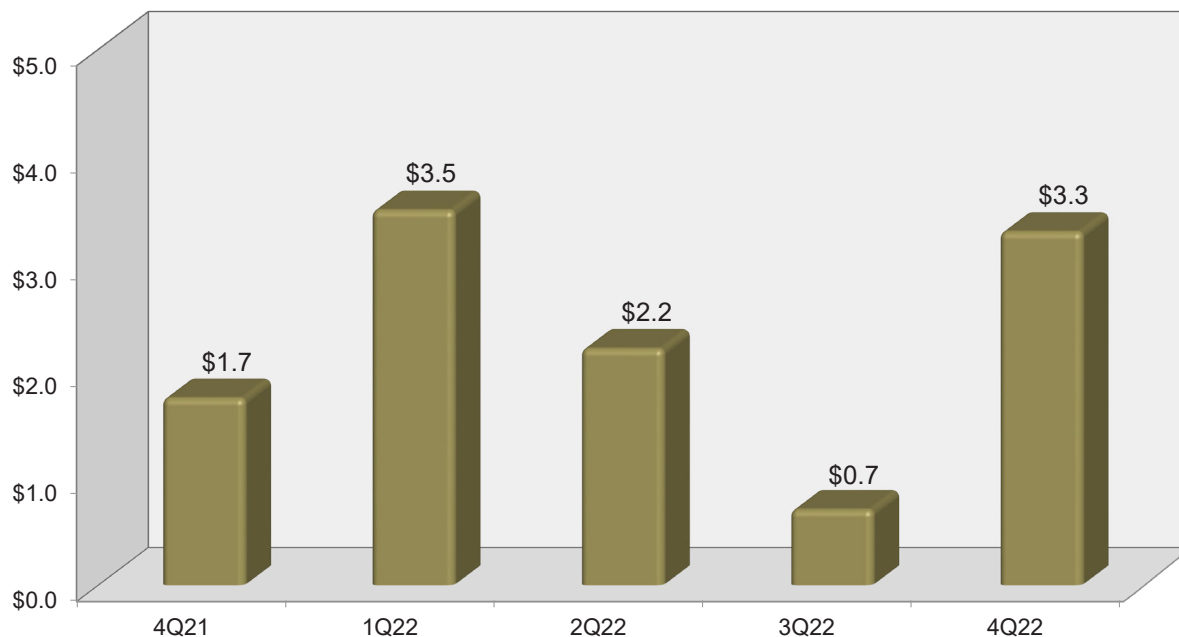
There has been one significant deal announced in the first few weeks of the first quarter of 2023, which is highlighted below.

On January 20, 2023, Saturn Oil & Gas Inc. announced that it entered into an agreement to acquire Ridgeback for \$525.0 million. The consideration consists of \$475.0 million in cash and the issuance of \$50.0 million of Saturn common shares. The cash consideration of \$475.0 million will be funded through proceeds from an increase of \$375 million to the company's existing senior secured term loan and a bought-deal subscription receipt financing for aggregate gross proceeds of approximately \$125.0 million. Ridgeback is producing approximately 17,000 boe/d (71% oil and natural gas liquids) in the Kaybob, Pembina and Swan Hills areas of Alberta and in southeastern Saskatchewan. The acquisition is expected to close in the first quarter of 2023, subject to receipt of all regulatory and shareholder approvals.

On January 27, 2023, TotalEnergies EP Canada Ltd. announced that it has exercised its pre-emption right to acquire an additional 6.65% in the Fort Hills Oil Sands Project from Teck for \$312.0 million. With the exercise of the pre-emption right, TotalEnergies' share in the project will increase to 31.23% with Suncor holding the remaining 68.77%.

MERGER AND ACQUISITION CANDIDATES

Companies and Assets for Sale - \$Billions



The total value of companies and assets publicly for sale jumped 368% to approximately \$3.3 billion in the fourth quarter of 2022 from \$705.4 million in the third quarter of 2022.

The “major assets for sale” category decreased 30% to approximately \$355.0 million in the fourth quarter from the approximately \$510.0 million recorded last quarter.

The “companies for sale” category jumped to \$2.9 billion in the fourth quarter of 2022 from the \$115.2 million recorded in the third quarter of 2022.

In the fourth quarter, Spartan Delta Corp. initiated a formal process to evaluate strategic repositioning alternatives in an effort to enhance shareholder value. Spartan’s core assets are located in the Montney and Deep Basin areas of Alberta. Spartan Delta’s production is approximately 80,000 boe/d (263.5 MMcf/d of natural gas and 28,214 barrels of oil and natural gas liquids per day).

MNP Ltd., in its capacity as Court-appointed receiver, initiated a sales process in the fourth quarter for all of the oil and natural gas interests held by Abbey Resources Corporation. The assets are located in the greater Abbey area of Saskatchewan with production of approximately 944 boe/d (5.7MMcf/d of natural gas).

Sun Century Petroleum Corporation entered into a corporate sale process in the fourth quarter of 2022. Sun Century’s operations are located in the Delburne (Mikwan) and Provost areas of Alberta. Sun Century’s production is approximately 1,030 boe/d (4.8 MMcf/d of natural gas and 230 barrels of oil and natural gas liquids per day).

The “companies for sale” section only includes those companies that have publicly announced that they are for sale, reviewing strategic alternatives to maximize shareholder value or are in CCAA or receivership and do not include those in the process of a private auction. Several entities, including Chronos (page 30), Greenfire (page 29) and Lintus Resources Limited (page 30) 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

Athabasca Oil Corporation West Lake Energy Corp.

Total approximate value⁽¹⁾ for major sellers **\$355.0 million**

Companies with Minor Assets for Sale

Aldon Oils Ltd.	Knowledge Energy Inc.	Sinopec Canada
Ascensun Oil and Gas Ltd.	Long Fortune Petroleum (SK) Corporation	Surge Energy Inc.
Aspenleaf Energy Limited	New North Resources Ltd.	Tallahassee Exploration Inc.
Burgess Creek Exploration Inc.	NuVista Energy Ltd.	Tamarack Valley Energy Ltd.
Calima Energy Limited	OILPLUSWATER Inc.	WGC Talco Ventures Ltd.
CPE Pembina Lands Ltd.	Prairie Provident Resources Inc.	
Insignia Energy Ltd.	Rally Canada Resources Ltd.	
Kiwetinohk Energy Corp.	Richelhoff Resources Inc.	

Total approximate value⁽¹⁾ for minor sellers **\$70.1 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:

Abbey Resources Corporation ⁽²⁾	Copetrex Oil & Gas Co. Ltd. ⁽²⁾	Sun Century Petroleum Corporation
Bears paw Petroleum Ltd.	Edge Capital Ltd.	Woodrush Royalty ULC
Canadian Spirit Resources Inc.	Ribbon Creek Resources Inc.	
CEC North Star Energy Ltd.	Spartan Delta Corp.	

Total approximate value⁽¹⁾ for companies for sale **\$2.9 billion**

TOTAL APPROXIMATE VALUE⁽¹⁾ FOR ALL M&A CANDIDATES **\$3.3 billion**

1). Approximate value is an estimation of the overall value of the assets and companies for sale 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 2022 TRANSACTION ANALYSIS SUMMARY

Month	Purchaser	Acquisition	Enterprise Value ⁽¹⁾	Reserves Value ⁽¹⁾
			(\$million)	(\$million)
July	Journey	Enerplus assets	140.00	138.47
July	Tourmaline	Rising Star	215.51	186.89
August	Kiwetinohk	Repsol assets	61.40	61.40
September	Decarbonization Plus	Hammerhead	1,386.85 ⁽⁴⁾	1,386.85
September	Tamarack Valley	Deltastream	1,524.68	1,461.01
September	Topaz	Deltastream assets	265.30	265.30

Notes: (1) For definitions see page 43
 (2) Based on total proven reserves
 (3) Based on proven plus probable reserves
 (4) Pending but not closed

THIRD QUARTER 2022 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	%
71/29	8.6	7.62	31,470	1.9	-
48/52 ⁽²⁾	13.4	3.33	29,278	2.1	-
44/56	16.2	4.72	51,167	-	-
42/58 ⁽³⁾	26.5 ⁽³⁾	4.47	43,339	-	-
93/7	4.9	28.68	94,048	2.6	-
93/7	4.9	104.11	341,555	7.6	-

FOURTH QUARTER 2022 TRANSACTION ANALYSIS SUMMARY

Month	Purchaser	Acquisition	Enterprise Value ⁽¹⁾	Reserves Value ⁽¹⁾
			(\$million)	(\$million)
October	Suncor	Teck assets	1,000.00 ⁽²⁾	1,000.00
November	Surge	Enerplus assets	249.58	248.68
December	Archer	Ridgeback assets	103.50	103.50
December	Crescent Point	Paramount assets	375.00	375.00
December	ROK	Whitecap assets	51.50	51.50

Notes: (1) For definitions see page 43
 (2) Pending but not closed

FOURTH QUARTER 2022 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	22.5	2.03	26,500	3.0	-
99/1	7.8	16.57	63,421	3.7	-
55/45	17.8	2.98	35,690	2.0	-
54/46	23.6	5.87	80,357	-	-
69/31	13.0	4.95	34,295	4.7	-

FOURTH QUARTER MERGER AND ACQUISITION TRANSACTIONS

(exceeding \$5 million in value)

Month	Purchaser	Acquisition	Enterprise Value
			(\$million)
October	Crescent Point	Repsol assets	87.00
October	Spoke	Tourmaline assets	16.70
October	Suncor	Teck assets	1,000.00 ⁽²⁾
November	New North	Lintus	(1)
November	Peyto	Baytex assets	26.30
November	Samoth	Chronos	22.92
November	Spur	Cenovus assets	(1)
November	Surge	Enerplus assets	249.58
December	2163754 Alberta	Saskatoon Leaseholds	(1)
December	Archer	Ridgeback assets	103.50
December	Crescent Point	Paramount assets	375.00
December	M3-Brigade	Greenfire	1,287.82 ⁽²⁾
December	ROK	Whitecap assets	51.50
December	Undisclosed Buyers	Whitecap assets	367.50 ⁽²⁾
Fourth Quarter Total			\$3.8 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: 2163754 Alberta Ltd.		Acquisition: Saskatoon Leaseholds Limited	
Transaction Type:	Corporate	Date Announced:	December 1, 2022
Price:	Undisclosed	Date Closed:	December 1, 2022

Saskatoon Leaseholds' assets consisted primarily of Fee Title interests, GORR interests, as well as Gross Royalty Trust Certificates in a number of areas of Alberta, Saskatchewan and Manitoba as well as Montana, USA and minor non-operated working interests in Alberta and Saskatchewan. The Estate of JC Snyder (the "Estate") held the shares of Saskatoon Leaseholds and the proceeds from the sale of the shares of Saskatoon Leaseholds were donated by the Estate to the University of Calgary.

Note: Sayer Energy Advisors acted as financial advisor to the Estate of JC Snyder in this transaction.

Purchaser: Crescent Point Energy Corp.		Acquisition: Repsol Oil & Gas Canada Inc. assets	
Transaction Type:	Property	Date Announced:	October 26, 2022
Price:	\$87.0 million	Date Closed:	Third Quarter 2022

Crescent Point completed the acquisition of certain Duvernay interests in the Kaybob area of Alberta held by Repsol. This was one of two acquisitions announced by Crescent Point in the quarter as it also announced and subsequently completed the acquisition of Duvernay interests in the Kaybob area of Alberta from Paramount for \$375.0 million (page 34).

Purchaser: M3-Brigade Acquisition III Corp.		Acquisition: Greenfire Resources Inc.	
Transaction Type:	Corporate	Date Announced:	December 15, 2022
Price:	\$1.3 billion	Date Closed:	Pending

Privately-held Greenfire and M3-Brigade a New York Stock Exchange listed special purpose acquisition company, have entered into a definitive agreement for a business combination. Greenfire currently has two producing oil sands assets in the Hangingstone area of Alberta with current production of approximately 22,000 bbl/d of bitumen. The combined entity is expected to be managed by Greenfire's current executive team. The closing of the transaction is expected to occur in the second quarter of 2023.

SELECTED FOURTH QUARTER TRANSACTIONS

Purchaser: New North Resources Ltd.	Acquisition: Lintus Resources Limited
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Transaction Type:	Corporate	Date Announced:	November 21, 2022
Price:	Undisclosed	Date Closed:	November 10, 2022

Lintus was a private oil and natural gas company which focused on the purchase of producing and non-producing mineral rights, royalties and royalty trust certificates in Canada.

Purchaser: Peyto Exploration & Development Corp.	Acquisition: Baytex Energy Corp. assets
---	--

Transaction Type:	Property	Date Announced:	November 9, 2022
Price:	\$26.3 million	Date Closed:	September 13, 2022

The assets acquired are located in the Brazeau area of Alberta and consisted of production of 600 boe/d (80% natural gas), 49 gross sections of land and a 15.0 MMcf/d compressor station.

Purchaser: Samoth Oilfield Inc.	Acquisition: Chronos Resources Ltd.
--	--

Transaction Type:	Corporate	Date Announced:	November 7, 2022
Price:	\$25.1 million	Date Closed:	December 12, 2022

The transaction is a reverse take-over of Samoth by Chronos, wherein Samoth acquired all of the outstanding shares of Chronos while the management team of Chronos will manage the combined entity which was renamed Lycos Energy Inc. Concurrent with the transaction, Lycos completed non-brokered private placement equity financings for gross proceeds of approximately \$65.0 million. Lycos' main producing properties are located in the Gull Lake area of Saskatchewan and in the Lloydminster area of Alberta and Saskatchewan.

Purchaser: Spoke Resources Ltd.	Acquisition: Tourmaline Oil Corp. assets
--	---

Transaction Type:	Property	Date Announced:	October 3, 2022
Price:	\$16.7 million	Date Closed:	December 6, 2022

The assets acquired, which were formerly held by Rising Star Resources Ltd., are located on the Peace River Arch. Tourmaline acquired all of the issued and outstanding shares of Rising Star in the third quarter of 2022.

SELECTED FOURTH QUARTER TRANSACTIONS

Purchaser: Spur Petroleum Ltd.	Acquisition: Cenovus Energy Inc. assets
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Transaction Type:	Property	Date Announced:	November 2, 2022
Price:	Undisclosed	Date Closed:	December 8, 2022

The assets acquired are located in the Marten Hills area of Alberta.

Purchaser: Undisclosed Buyers	Acquisition: Whitecap Resources Inc. assets
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Transaction Type:	Property	Date Announced:	December 19, 2022
Price:	\$367.5 million	Date Closed:	Pending

Whitecap announced it had entered into three separate agreements to divest of certain non-core assets for aggregate consideration of \$419.0 million, consisting of \$394.0 million in cash and 475 bbl/d of oil production in the Butte area of southwestern Saskatchewan. One of these transactions is the previously-mentioned sale of Whitecap's interests in the Gainsborough, Pinto and Steelman areas of Saskatchewan to ROK for total consideration of \$51.5 million (page 36).

ARCHER / RIDGEBACK ASSETS

Purchaser: Archer Exploration Corp.
 Date Announced: December 7, 2022
 Transaction Type: Property
 Reserves Acquisition Price: **\$2.98/boe**

Acquisition: Ridgeback Resources Inc. assets
 Date Completed: December 7, 2022
 Operating CF Multiple: **2.0 X**
 Production Acquisition Price: **\$35,690/boe/d**

Estimated Value:	\$MM
Enterprise Value	\$103.50
less: Undeveloped land	-
Other assets	-
Value of Reserves	<u>\$103.50</u>

Reserves:

	Oil & NGL	Natural Gas	Total
	(MMbbls)	(Bcf)	(MMboe)
Proven Producing	3.104	15.490	5.686
Proven Non-Producing & Undeveloped	<u>9.137</u>	<u>24.286</u>	<u>13.185</u>
Total Proven	12.241	39.776	18.870
Probable	10.916	29.568	15.844
Total P+P	<u>23.157</u>	<u>69.344</u>	<u>34.714</u>

Source of reserves estimate: *Sproule Associates Limited*
 Effective date of reserves information: *July 1, 2022*

RLI:	Proven Producing (years)	Total Proven (years)	Total P+P (years)	Reserve Weighting:	Oil & NGL (%)	Natural Gas (%)
Oil & NGL	4.6	18.1	34.2	Proven Producing	55	45
Natural Gas	6.8	17.4	30.3	Proven	65	35
BOE	5.4	17.8	32.8	P+P	67	33

Daily Production:

Oil & NGL: 1,856 bbls/d
 Natural Gas: 6.26 MMcf/d
BOE: 2,900 boe/d

Basis of production information: Current production as at December 7, 2022

ARCHER / RIDGEBACK ASSETS

<u>Undeveloped Land:</u>	N.A.
<u>Operating Cash Flow Estimate:</u>	\$53.07 million per year
Basis of cash flow estimate:	Based on actual operating cash flow from the assets for the nine months ended September 30, 2022 before interest, overhead and current income tax.
<u>Operating Cash Flow Multiple:</u>	2.0 X

Comments:

The assets acquired are located in the Balsam and Beaverlodge areas of Alberta. Ridgeback distributed the proceeds from the sale to its shareholders.

Date of Analysis: January 26, 2023

CRESCENT POINT / PARAMOUNT ASSETS

Purchaser: Crescent Point Energy Corp.
 Date Announced: December 9, 2022
 Transaction Type: Property
 Reserves Acquisition Price: **\$5.87/boe**

Acquisition: Paramount Resources Ltd. assets
 Date Completed: January 11, 2023
 Operating CF Multiple: **N.A.**
 Production Acquisition Price: **\$80,357/boe/d**

<u>Estimated Value:</u>	<u>\$MM</u>
Enterprise Value	\$375.00
less: Undeveloped land	-
Other assets	-
Value of Reserves	<u>\$375.00</u>

Reserves:

	<u>Oil & NGL</u>	<u>Natural Gas</u>	<u>Total</u>
	(MMbbls)	(Bcf)	(MMboe)
Proven Producing	3.888	19.872	7.200
Proven Non-Producing & Undeveloped	<u>17.820</u>	<u>91.000</u>	<u>32.987</u>
Total Proven	21.708	110.872	40.187
Probable	<u>12.798</u>	<u>65.412</u>	<u>23.700</u>
Total P+P	<u>34.506</u>	<u>176.284</u>	<u>63.887</u>

Source of reserves estimate:

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

Effective date of reserves information:

December 31, 2021

<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	4.3	23.8	37.8	Proven Producing	54	46
Natural Gas	4.2	23.4	37.2	Proven	54	46
BOE	4.2	23.6	37.5	P+P	54	46

Daily Production:

Oil & NGL: 2,500 bbls/d
 Natural Gas: 13.00 MMcf/d
BOE: 4,667 boe/d

Basis of production information: Quarter ended September 30, 2022

CRESCENT POINT / PARAMOUNT ASSETS

Undeveloped Land: N.A.

Operating Cash Flow Estimate: N.A.

Operating Cash Flow Multiple: N.A.

Comments:

The assets acquired are located in the Kaybob area of Alberta. The assets are adjacent to Crescent Point's existing operations.

Crescent Point has identified 130 net drilling locations on the lands acquired. This was one of two transactions announced by Crescent Point in the quarter as it also announced the acquisition of certain interests from Repsol in the Kaybob area for \$87.0 million (page 29).

Paramount used the proceeds from the disposition to repay bank debt as well as payout a special dividend of \$1.00 per Class A common share.

Date of Analysis: January 16, 2023

ROK / WHITECAP ASSETS

Purchaser: ROK Resources Inc.
 Date Announced: December 19, 2022
 Transaction Type: Property
 Reserves Acquisition Price: **\$4.95/boe**

Acquisition: Whitecap Resources Inc. assets
 Date Completed: January 25, 2023
 Operating CF Multiple: **4.7 X**
 Production Acquisition Price: **\$34,295/boe/d**

<u>Estimated Value:</u>	<u>\$MM</u>
Enterprise Value	\$51.50 ⁽¹⁾
less: Undeveloped land	-
Other assets	-
Value of Reserves	<u>\$51.50</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	1.587	4.278	2.300	36.00
Proven Non-Producing & Undeveloped	<u>3.312</u>	<u>8.928</u>	<u>4.800</u>	<u>60.00</u>
Total Proven	4.899	13.206	7.100	96.00
Probable	<u>2.277</u>	<u>6.138</u>	<u>3.300</u>	<u>59.00</u>
Total P+P	<u>7.176</u>	<u>19.344</u>	<u>10.400</u>	<u>155.00</u>

Source of reserves estimate:

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

Effective date of reserves information:

September 1, 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	4.2	12.9	18.9	Proven Producing	69	31
Natural Gas	4.2	13.1	19.1	Proven	69	31
BOE	4.2	13.0	19.0	P+P	69	31

Daily Production:

Oil & NGL: 1,040 bbls/d
 Natural Gas: 2.77 MMcf/d
BOE: 1,502 boe/d

Basis of production information: Current production as at December 19, 2022

ROK / WHITECAP ASSETS

Undeveloped Land: N.A.

Operating Cash Flow Estimate: \$11.00 million per year

Basis of cash flow estimate: Based on the midpoint of ROK'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: 4.7 X

Price Assumptions Used in Evaluation:

	Edmonton Par Price 40° API (\$C/bbl)	AECO Natural Gas Price (\$C/MMbtu)
2022	127.56	6.00
2023	109.29	4.90
2024	97.63	4.16
2025	88.70	3.98
2026	90.47	4.06

Effective date of pricing: July 1, 2022

Notes:

- 1) Based on a cash payment of \$26.5 million and ROK's oil and natural gas interests in the Butte area of Saskatchewan which were valued by Whitecap at \$25.0 million.

Comments:

The assets acquired are located in the Gainsborough, Pinto and Steelman areas of southeastern Saskatchewan. The total purchase price of the acquisition consists of \$26.5 million in cash and ROK's non-operated interests in the Butte area of southwestern Saskatchewan with total production of 475 bbl/d of oil. ROK's average working interest in the Butte area is 15% with the balance primarily owned and operated by Whitecap. Whitecap, as per its press release dated December 19, 2022, valued ROK's interests in the Butte area of Saskatchewan at \$25.0 million.

This was one of three dispositions announced by Whitecap in the quarter. Whitecap announced two additional divestitures for total proceeds of \$367.5 million (page 31).

Date of Analysis: January 20, 2023

SUNCOR / TECK ASSETS

Purchaser: Suncor Energy Inc.
 Date Announced: October 26, 2022
 Transaction Type: Property
 Reserves Acquisition Price: **\$2.03/boe**

Acquisition: Teck Resources Limited assets
 Date Completed: Pending
 Operating CF Multiple: **3.0 X**
 Production Acquisition Price: **\$26,500/boe/d**

Estimated Value:	\$MM
Enterprise Value	\$1,000.00
less: Undeveloped land	-
Other assets	-
Value of Reserves	<u>\$1,000.00</u>

Reserves:

Net Present Value of Reserves (\$MM):

	Oil & NGL (MMbbls)	Natural Gas (Bcf)	Total (MMboe)	Discounted				
				0%	5%	10%	15%	20%
Proven Producing	310.000	0.000	310.000	4,280.00	2,607.00	1,728.00	1,248.00	967.00
Proven Non-Producing & Undeveloped	<u>0.000</u>	<u>0.000</u>	<u>0.000</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
Total Proven	310.000	0.000	310.000	4,280.00	2,607.00	1,728.00	1,248.00	967.00
Probable	<u>182.000</u>	<u>0.000</u>	<u>182.000</u>	<u>3,390.00</u>	<u>1,187.00</u>	<u>506.00</u>	<u>282.00</u>	<u>195.00</u>
Total P+P	<u>492.000</u>	<u>0.000</u>	<u>492.000</u>	<u>7,670.00</u>	<u>3,794.00</u>	<u>2,234.00</u>	<u>1,530.00</u>	<u>1,162.00</u>

Source of reserves estimate:

GLJ Ltd.

Effective date of reserves information:

December 31, 2021

RLI:	Proven Producing (years)	Total Proven (years)	Total P+P (years)	Reserve Weighting:	Oil & NGL	Natural Gas
					(%)	(%)
Oil & NGL	22.5	22.5	35.7	Proven Producing	100	0
Natural Gas	-	-	-	Proven	100	0
BOE	22.5	22.5	35.7	P+P	100	0

Daily Production:

Oil & NGL: 37,736 bbls/d
 Natural Gas: - MMcf/d
BOE: 37,736 boe/d

Basis of production information: Quarter ended September 30, 2022

SUNCOR / TECK ASSETS

Undeveloped Land: N.A.

Operating Cash Flow Estimate: \$336.00 million per year

Basis of cash flow estimate: Based on actual operating cash flow from the assets for the three months ended September 30, 2022 before interest, overhead and current income tax.

Operating Cash Flow Multiple: 3.0 X

Price Assumptions Used in Evaluation:

Estimated Future Capital Costs (\$MM):

	<u>Western Canadian Select</u> (\$C/bbl)	<u>AECO Natural Gas Price</u> (\$C/MMbtu)		
2022	68.79	3.63	2022	173.51
2023	74.43	3.56	2023	103.85
2024	69.17	3.20	2024	112.62
2025	66.54	3.05	Thereafter	<u>3,301.00</u>
2026	67.87	3.10	Total	<u>3,690.98</u>

Effective date of pricing: Average of GLJ, McDaniel & Associates Consultants Ltd. and Sproule Associates Limited's price forecasts as at January 1, 2022

Comments:

The assets being acquired are Teck's 21.3% working interest in the Fort Hills Oil Sands Project with current production of 37,736 bbl/d of oil. On January 27, 2023, TotalEnergies EP Canada Ltd. announced that it has exercised its pre-emption right to acquire an additional 6.65% in the project from Teck for \$312.0 million. With the exercise of the pre-emption right, TotalEnergies' share in the project will increase to 31.23% with Suncor holding the remaining 68.77%.

Date of Analysis: January 20, 2023

SURGE / ENERPLUS ASSETS

Purchaser: Surge Energy Inc.
 Date Announced: November 2, 2022
 Transaction Type: Property
 Reserves Acquisition Price: **\$16.57/boe**

Acquisition: Enerplus Corporation assets
 Date Completed: December 19, 2022
 Operating CF Multiple: **3.7 X**
 Production Acquisition Price: **\$63,421/boe/d**

Estimated Value:	\$MM
Enterprise Value	\$249.58 ⁽¹⁾
less: Undeveloped land	-0.90
Other assets	-
Value of Reserves	<u>\$248.68</u>

Reserves:

Net Present Value of Reserves (\$MM):

	Oil & NGL (MMbbbls)	Natural Gas (Bcf)	Total (MMboe)	Discounted				
				0%	5%	10%	15%	20%
Proven Producing	10.074	0.358	10.134	227.76	222.66	194.21	169.59	150.36
Proven Non-Producing	0.001	0.000	0.001	0.09	0.02	(0.01)	(0.02)	(0.03)
Undeveloped	<u>1.035</u>	<u>0.000</u>	<u>1.035</u>	<u>20.88</u>	<u>12.77</u>	<u>7.17</u>	<u>3.40</u>	<u>0.83</u>
Total Proven	11.110	0.358	11.170	248.73	235.45	201.38	172.97	151.16
Probable	<u>3.822</u>	<u>0.115</u>	<u>3.841</u>	<u>142.45</u>	<u>87.38</u>	<u>57.96</u>	<u>40.99</u>	<u>30.49</u>
Total P+P	<u>14.932</u>	<u>0.473</u>	<u>15.011</u>	<u>391.19</u>	<u>322.83</u>	<u>259.34</u>	<u>213.95</u>	<u>181.65</u>

Source of reserves estimate:

McDaniel & Associates Consultants Ltd.

Effective date of reserves information:

December 31, 2021

RLI:	Proven Producing (years)	Total Proven (years)	Total P+P (years)	Reserve Weighting:	Oil & NGL	Natural Gas
					(%)	(%)
Oil & NGL	7.2	7.9	10.6	Proven Producing	99	1
Natural Gas	2.5	2.5	3.4	Proven	99	1
BOE	7.1	7.8	10.5	P+P	99	1

Daily Production:

Oil & NGL: 3,857 bbls/d
 Natural Gas: 0.39 MMcf/d
BOE: 3,921 boe/d

Basis of production information: Quarter ended September 30, 2022

SURGE / ENERPLUS ASSETS

Undeveloped Land:

Total net acres:	8,968
Estimated value	\$0.90 million
Unit value	\$100.00/net acre

Source of land value estimate: Sayer Energy Advisors

Operating Cash Flow Estimate: \$68.00 million per year

Basis of cash flow estimate: Based on Surge'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: 3.7 X

Price Assumptions Used in Evaluation:

	<u>Edmonton Par Price 40° API (\$C/bbl)</u>	<u>AECO Natural Gas Price (\$C/MMbtu)</u>
2022	86.25	3.88
2023	82.40	3.36
2024	79.80	3.02
2025	81.39	3.08
2026	83.02	3.14

Estimated Future Capital Costs (\$MM):

2022	3.79
2023	20.67
2024	12.56
Thereafter	<u>14.96</u>
Total	<u>51.98</u>

Effective date of pricing: Sproule Associates Limited as of December 31, 2021

Notes:

- 1) Based on a cash payment of \$210.0 million and the issuance of 3,783,784 Surge shares, with each Surge share priced at \$10.46 on the last trading day prior to the announcement of the transaction.

Comments:

The assets acquired are located in the Cadogan and Giltedge areas of Alberta and the Freda Lake and Neptune areas of southeastern Saskatchewan.

Concurrent with the transaction, Surge completed a bought-deal equity financing for total proceeds of approximately \$80.5 million. The proceeds from the offering were used to partially fund the transaction.

Date of Analysis: January 17, 2023

Recent Transactions Completed by Sayer Energy Advisors

This announcement appears as a matter of record only.



**SIGNALTA
RESOURCES
LIMITED**


has sold certain non-operated unit interests in Alberta

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



October 2022

This announcement appears as a matter of record only.




**CLEARVIEW
RESOURCES LTD**

has sold its interests in the Carstairs Elkton Unit

*for
approximately*

\$1.7 million

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



November 2022

This announcement appears as a matter of record only.



**GRANDVIEW
EXPLORATION
INC.**

*has sold its interests in the Rich area of Alberta
to*




**PAR
ENERGY**

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



November 2022


This announcement appears as a matter of record only.



**Tallahassee
EXPLORATION INC.**

has sold its interests in the Kobes area of British Columbia

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




November 2022

This announcement appears as a matter of record only.

*Certain royalty interests in the
Atlee Buffalo area of Alberta have been sold*

The undersigned acted as financial advisor to the royalty interest holders for this transaction.



December 2022

This announcement appears as a matter of record only.



**BITSTONE
RESOURCES INC.**

*has acquired certain interests in the Pembina area of Alberta
from*




**BARREL | OIL
CORP**

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



December 2022


This announcement appears as a matter of record only.



**CLEARVIEW
RESOURCES LTD**

*has sold its interests in the
East Crossfield Unit*

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



December 2022

This announcement appears as a matter of record only.

Certain oil and natural gas interests held by



**SanLing
ENERGY LTD.**

have been sold through its receiver



pwc

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



December 2022

This announcement appears as a matter of record only.

*The Estate of JC Snyder
has sold all of the outstanding shares of*



**SASKATOON
Leaseholds Limited**

to



**2163754
Alberta Ltd.**

The undersigned acted as financial advisor to the Estate of JC Snyder for this transaction.



December 2022

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 and that are publicly disclosed. 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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