

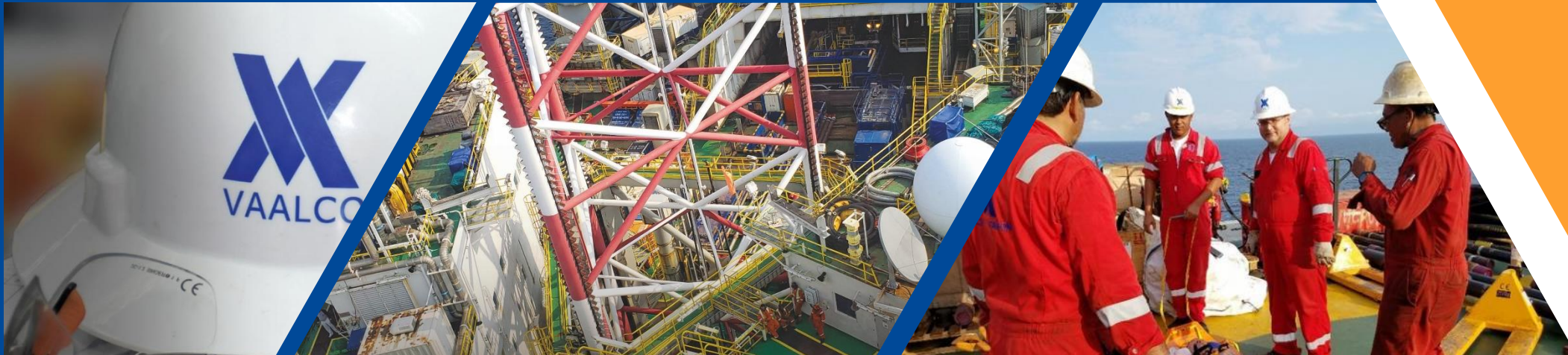


VAALCO ENERGY, INC.

Q3 2023 Supplemental Information

PROFITABLY AND SUSTAINABLY GROWING VALUE

NOVEMBER 7, 2023



SAFE HARBOR STATEMENT



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This presentation includes “forward-looking statements” within the meaning of Section 27A of the Securities Act of 1933, as amended (the “Securities Act”) and Section 21E of the Securities Exchange Act of 1934, as amended, which are intended to be covered by the safe harbors created by those laws and other applicable laws and “forward-looking information” within the meaning of applicable Canadian securities laws. Where a forward-looking statement expresses or implies an expectation or belief as to future events or results, such expectation or belief is expressed in good faith and believed to have a reasonable basis. All statements other than statements of historical fact may be forward-looking statements. The words “anticipate,” “believe,” “estimate,” “expect,” “intend,” “forecast,” “outlook,” “aim,” “target,” “will,” “could,” “should,” “may,” “likely,” “plan” and “probably” or similar words may identify forward-looking statements, but the absence of these words does not mean that a statement is not forward-looking. Forward-looking statements in this press release include, but are not limited to, statements relating to (i) estimates of future drilling, production, sales and costs of acquiring crude oil, natural gas and natural gas liquids; (ii) the amount and timing of stock buybacks, if any, under VAALCO’s stock buyback program and VAALCO’s ability to enhance stockholder value through such plan; (iii) expectations regarding future exploration and the development, growth and potential of VAALCO’s operations, project pipeline and investments, and schedule and anticipated benefits to be derived therefrom; (iv) expectations regarding future acquisitions, investments or divestitures; (v) expectations of future dividends, buybacks and other potential returns to stockholders; (vi) expectations of future balance sheet strength; (vii) expectations of future equity and enterprise value; and (viii) VAALCO’s ability to finalize documents and effectively execute the POD for the Venus development in Block P.

Such forward-looking statements are subject to risks, uncertainties and other factors, which could cause actual results to differ materially from future results expressed, projected or implied by the forward-looking statements. These risks and uncertainties include, but are not limited to: risks relating to any unforeseen liabilities of VAALCO or TransGlobe; the ability to generate cash flows that, along with cash on hand, will be sufficient to support operations and cash requirements; the impact and costs of compliance with laws and regulations governing oil and gas operations; the risks described under the caption “Risk Factors” in VAALCO’s 2022 Annual Report on Form 10-K filed with the SEC on April 6, 2023.

Dividends beyond the fourth quarter of 2023 have not yet been approved or declared by the Board. The declaration and payment of future dividends and the terms of share buybacks remains at the discretion of the Board and will be determined based on VAALCO’s financial results, balance sheet strength, cash and liquidity requirements, future prospects, crude oil and natural gas prices, and other factors deemed relevant by the Board. The Board reserves all powers related to the declaration and payment of dividends and the terms of share buybacks. Consequently, in determining the dividend to be declared and paid on VAALCO common stock or the terms of share buybacks, the Board may revise or terminate the payment level or buyback terms at any time without prior notice.

Estimates of reserves provided in this presentation are estimates only and there is no guarantee that estimated reserves will be recovered. Actual reserves may be greater than or less than estimates provided in this presentation and differences may be material. There is no assurance that forecast price and cost assumptions applied by NSAI, GLJ or by VAALCO in evaluating its reserves will be attained and variances could be material. References to thickness of oil pay or of a formation where evidence of hydrocarbons have been encountered is not necessarily an indicator that hydrocarbons will be recoverable in commercial quantities or in any estimated volume. Well test results should be considered as preliminary and not necessarily indicative of long-term performance or of ultimate recovery. Well log interpretations indicating oil accumulations are not necessarily indicative of future production or ultimate recovery.

Non-GAAP Financial Measures

Certain financial information in this presentation is presented on a non-GAAP basis. Please refer to the reconciliations included in this presentation under “Reconciliation” and the Company’s Earnings Release under “Non-GAAP Financial Measures” for the most directly comparable GAAP financial measures. Non-GAAP measures should be considered in addition to, not as a substitute for or superior to, measures prepared in accordance with GAAP.

For descriptions of reasons why management believes that presentation of Adjusted EBITDAX, Adjusted Net Income Per Share and Free Cash Flow provides useful information to investors regarding the VAALCO’s financial condition and results of operations, please refer to VAALCO’s third quarter earnings release filed with the SEC.

Q3 2023 KEY METRICS



	Q3 2023	Change ¹
Reported Production (Avg. WI Daily Production Volumes)	24,430 BOEPD	-2%
Adjusted EBITDAX ²	\$71.4 million	9%
Adjusted Net Income per share ²	7 cents	-36%
Diluted Net Income per share	6 cents	0%
Cash flow from operations	\$94.2 million	165%
Cash Capital Expenditures	\$22.5 million	-17%
Free Cash Flow ²	\$57.2 million	1071%
Shareholder Return (Dividend and buyback)	\$12.8 million	9%



Strong Quarterly Production and Sales Growth Drove Adjusted EBITDAX Higher

1) % Change from Q2 2023 to Q3 2023

2) Adjusted EBITDAX, Adjusted Net Income, Adjusted Net Income per share, Free Cash Flow and Adjusted Earnings Per Diluted Share are Non-GAAP financial measures and are described and reconciled to the closest GAAP measure in the Appendix or in the Q3 2023 earnings release

RECENT HIGHLIGHTS

Captured meaningful synergies
on TGA combination



Significant Reduction in combined G&A
YTD 2023 vs. YTD 2022

Increased FY production guidance,
raised guidance in all production areas



Lowered FY 2023 Capital Guidance by
~\$10 million at midpoint

Highly successful 2023 drilling program
in Egypt and Canada completed



Production exceeding expectations, costs
lower than forecasted

Protecting FCF¹ for Shareholders

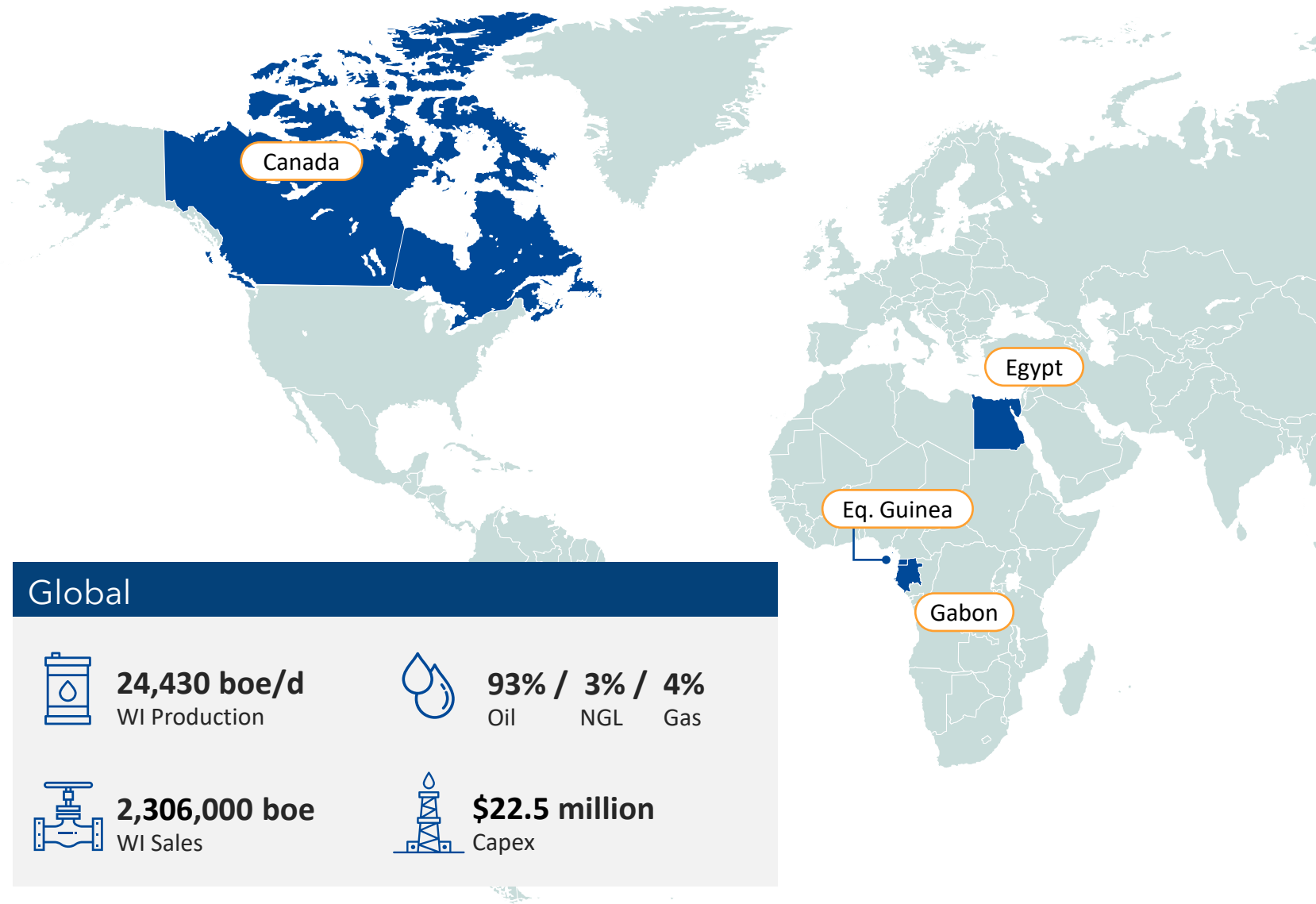


Distributed 41% of FCF YTD 2023 to
Shareholders







Operating Efficiently, Increased Production, Lowered Capital and Capturing Synergies Driving Cash Flow Growth

Q3 2023 GLOBAL PORTFOLIO



Global

 24,430 boe/d WI Production	 93% / 3% / 4% Oil NGL Gas
 2,306,000 boe WI Sales	 \$22.5 million Capex

- Diversified and de-risked portfolio of producing assets with individual routes to market and realizations
- African focused business with strong management experience in this market
 - Concessions have recently been extended
 - Oil & Gas friendly fiscal systems
- Strong financial position with no debt and ~\$103 mm in cash
- Opportunities to expand our borrowing base allowing for continued growth

Asset Highlights

- Production at the high end of Q3 guidance range and only down 2% sequentially, despite no drilling campaign in 2023
- Strong operational production uptime and optimization efforts, offsetting decline
 - Achieved ~97% production uptime YTD 2023
 - Focus on back pressures post FPSO change out optimizing field process and production capabilities
- Capital program in 2023 focused on maintenance capex and long lead items for 2024/2025 drilling campaign
- Increasing 2023 production guidance due to strong base performance

3Q 2023 Asset Stats

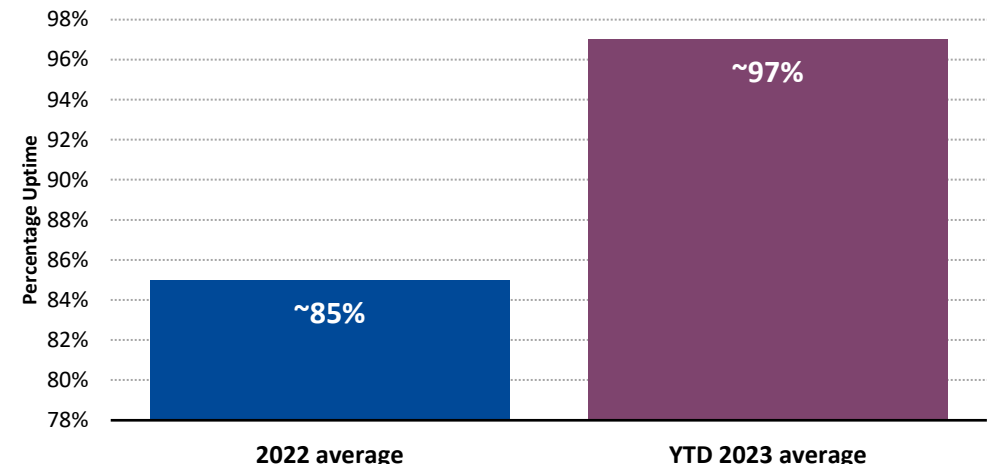


9,901 BOEPD
WI Production



100% / 0% / 0%
Oil NGL Gas

Operational Production Uptime



Maintaining Strong Production and Planning for 2024/2025 Drilling Campaign

EGYPT UPDATE

Production & Drilling Optimization



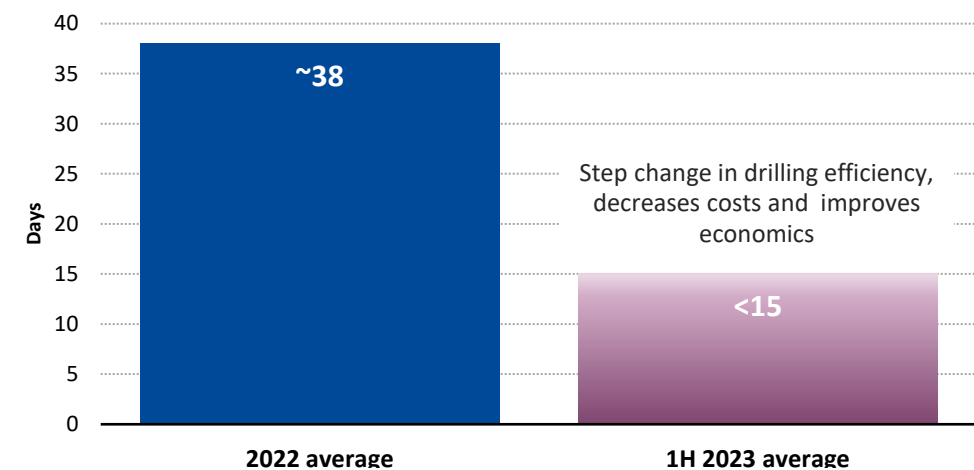
Asset Highlights

- Production up 1% sequentially and at the high end of Q3 guidance range
- Continued drilling success with 2023 capital program reaching drilling efficiency milestones
 - Successfully drilled 18 vertical wells YTD 2023 and completed 1 horizontal well
 - Improved drilling and completion performance with average drilling days decreasing by more than 50% from 2022 average of 38 days to under 15 days in 1H 2023
 - Reduced the rig-release to artificial lift production period to less than 6 days
- Capital program, strong production performance and operational efficiencies supporting increased production guidance and reduction to capital guidance for FY 2023

3Q 2023 Asset Stats

 11,691 BOEPD WI Production	 100% / 0% / 0% Oil NGL Gas
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Improved Drilling Efficiency



Outstanding 2023 Capital Program Results Driving Production Growth

Asset Highlights

- Successfully and safely drilled 2 wells in Q1 2023
 - Drilled a 1.5 mile lateral well
 - Drilled a 2.75 mile lateral well, the longest to date
- The wells retained acreage and achieved an average cycle time of <90 days
- Both wells exceeded production estimates
 - Wells brought online in May
 - One well was a top 15 new oil well producer in Alberta in May 2023
 - Monitoring wells for long-term performance versus type curve
- Moving to longer laterals exclusively in the future
 - Extending laterals to 2.5 and 3 miles should improve the overall economics of future drilling programs
- Working to further optimize frac intensity and shorten cycle times
- Evaluating facility and pad optimization to further enhance economics

3Q 2023 Asset Stats

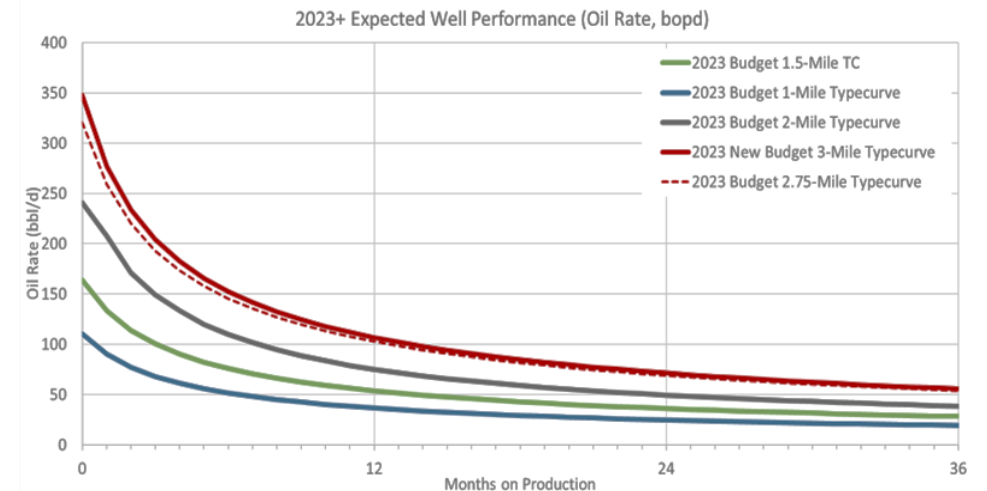


2,835 BOEPD
WI Production



45% / 28% / 27%
Oil NGL Gas

Enhancing Returns By Extending Lateral Length



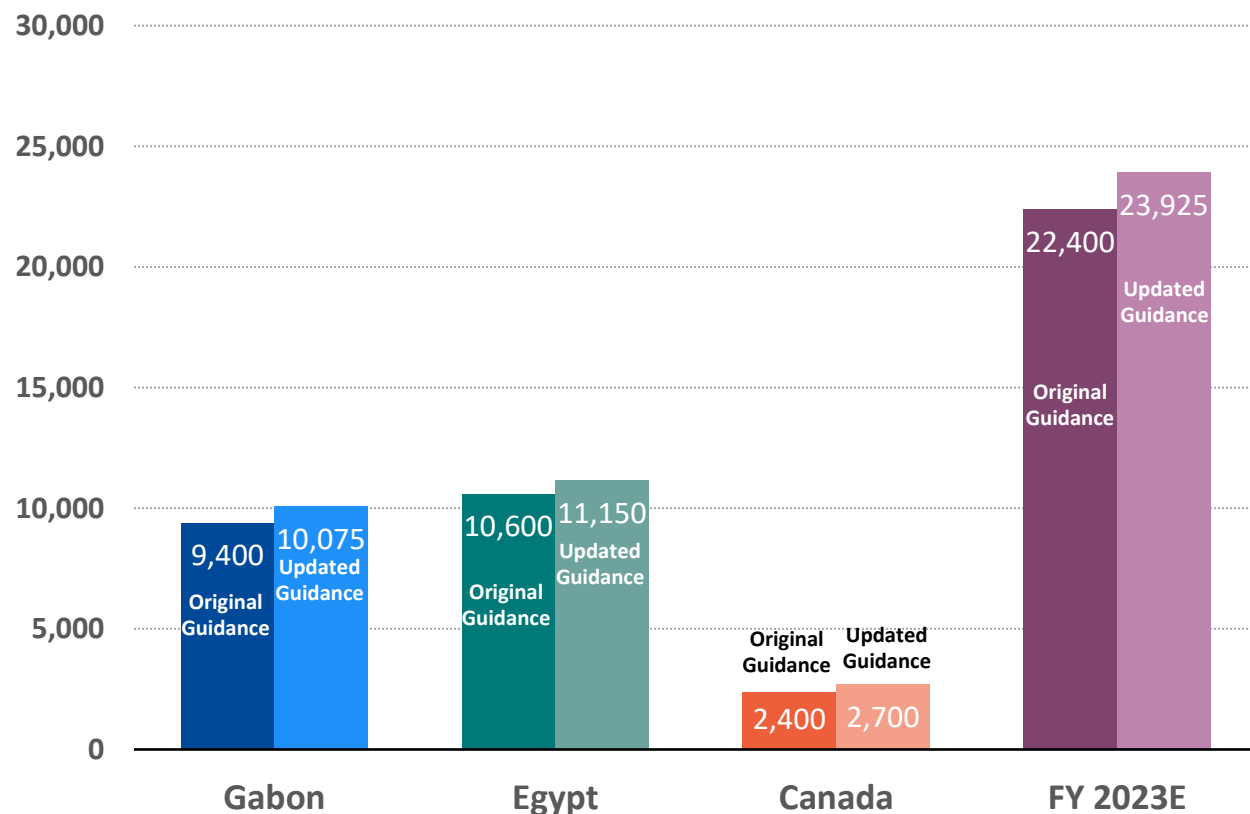
Outstanding 2023 Capital Program Results Driving Production Growth

PRODUCTION AND SALES GROWTH

Driving Revenue Despite Lower Realized Pricing YTD 2023



Production (WI) FY 2023 Guidance (BOEPD)



Midpoints of 2023 Full Year Guidance Range

Year to Date Summary - Sales and Net Revenue \$ in thousands

	Nine Months Ended September 30, 2023			
	Gabon	Egypt	Canada	Total
Oil Sales	194,179	193,570	22,811	410,560
NGL Sales	—	—	6,421	6,421
Gas Sales	—	—	2,649	2,649
Gross Sales	194,179	193,570	31,881	419,630
Selling Costs & carried interest	3,590	(995)	—	2,595
Royalties & taxes	(25,833)	(86,176)	(4,304)	(116,313)
Net Revenue	171,936	106,399	27,577	305,912
Oil Sales MMB (working interest)	2,404	3,032	317	5,753
Average Oil Price Received	\$ 80.76	\$ 63.85	\$ 72.01	\$ 71.36
% Change 2023 vs. 2022				-35%
Average Brent Price Received				\$ 81.99
% Change 2023 vs. 2022				-22%
Gas Sales MMCF (working interest)	—	—	1,327	1,327
Average Gas Price Received	—	—	\$ 2.00	\$ 2.00
% Change Q2 2023 vs. Q1 2023				
NGL Sales MMB (working interest)	—	—	237	237
Average Liquids Price Received	—	—	\$ 27.10	\$ 27.10

STRONG FINANCIAL FOUNDATION WITH NO BANK DEBT



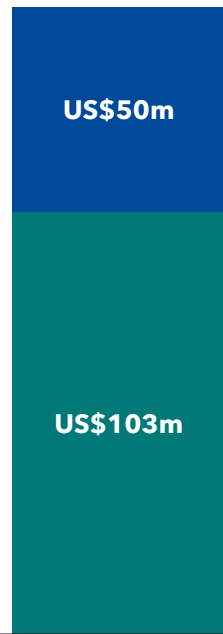
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Fully Funding Shareholder Returns and Capital Programs

Strong Liquidity at Sept. 30, 2023 (US\$m)

■ Cash and Cash Equivalents ■ RBL Availability

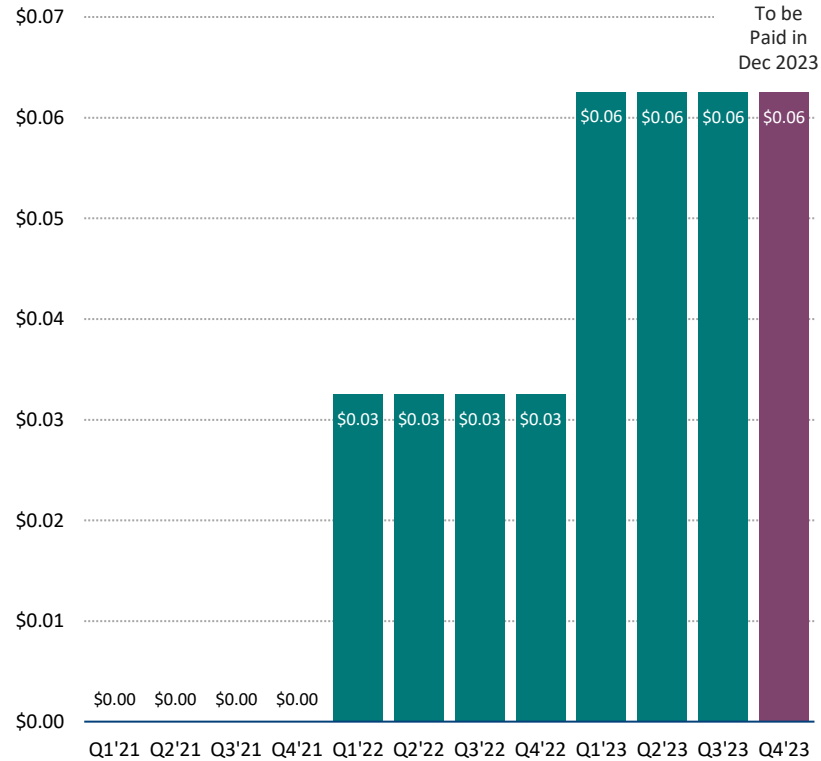
Liquidity US\$153m



Q3 2023

- VAALCO has ~US\$50m undrawn RBL
- Fully funding capex, dividends and share buybacks while growing liquidity

Initiated Sustainable Dividend Program (US\$/share)



- Initiated \$0.0325/share quarterly dividend in Q1 2022
- Increased dividend in 2023 by 92% to \$0.0625/share quarterly

Share Buyback Program (US\$m)



2023 FULL YEAR GUIDANCE

(As of November 7, 2023)



	Q4 2023	FY 2023
WI Production¹ (BOEPD)		
Gabon	9,400 - 10,100	9,950 - 10,200
Egypt	11,100 - 11,800	10,900 - 11,400
Canada	2,400 - 2,700	2,600 - 2,800
Total VAALCO WI Production	22,900 - 24,600	23,450 - 24,400
NRI Production¹ (BOEPD)		
Total VAALCO NRI Production	17,600 - 19,400	18,300 - 18,900
WI Sales (BOEPD)		
Gabon	11,800 - 13,100	9,550 - 9,800
Egypt	11,100 - 11,800	10,900 - 11,400
Canada	2,400 - 2,700	2,600 - 2,800
Total VAALCO WI Sales	25,300 - 27,600	23,050 - 24,000
NRI Sales (BOEPD)		
Total VAALCO NRI Sales	19,800 - 22,000	17,900 - 18,500
Production Expense² (millions)	\$42.2 – \$47.6	\$154.0 – \$160.0
Production Expense per WI BOE	\$16.00 – \$21.00	\$17.00 – \$19.50
Production Expense per NRI BOE	\$21.00 – \$26.50	\$22.00 – \$25.00
Offshore Workovers (millions)	\$0 – \$0	\$0 – \$0
Cash G&A³ (millions)	\$4.0 – \$6.0	\$18.0 – \$21.0
CAPEX (millions)	\$9.5 – \$12.0	\$71.0 – \$75.0
DD&A (\$/BO)	\$20.00 – \$22.00	\$20.00 – \$22.00

FY Commentary

Increased range due to production optimization and improved uptime

Increased range due to better than expected 2023 drilling results

Increased range due to better than expected 2023 drilling results

Increased range slightly due to Gabon SEENT pipeline repairs and cost inflation

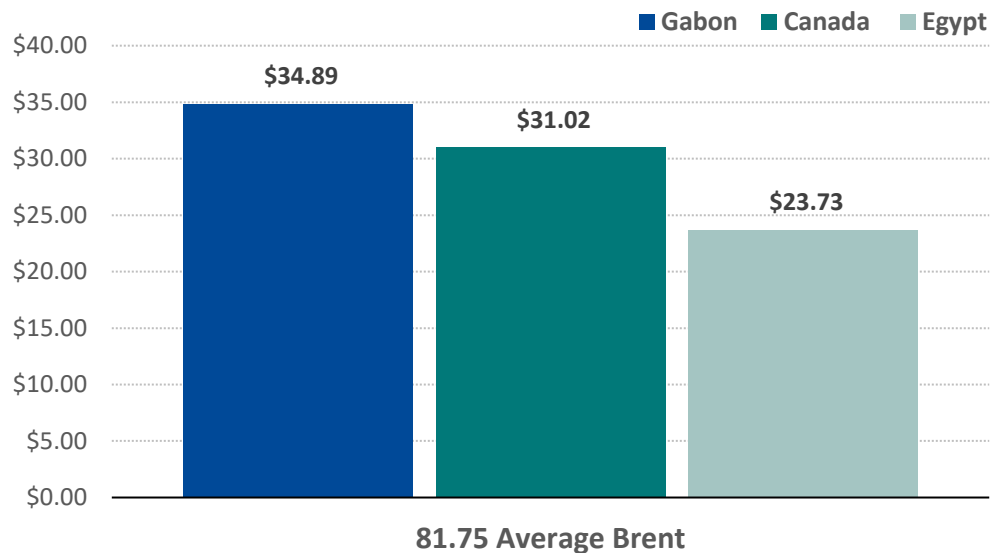
Higher sales almost completely offset higher costs on a per BOE basis

Higher sales almost completely offset higher costs on a per BOE basis

Reducing capex range driven by capital efficiency in Egypt and Canada

SEPT YTD 2023 NETBACKS, DELIVERING STRONG RESULTS

Liquids \$/BBL Netback by Area



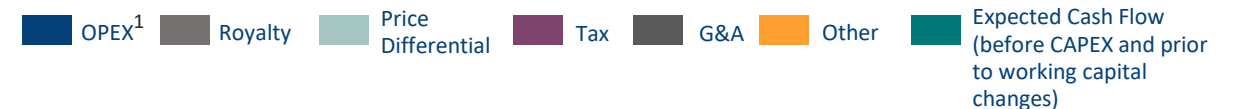
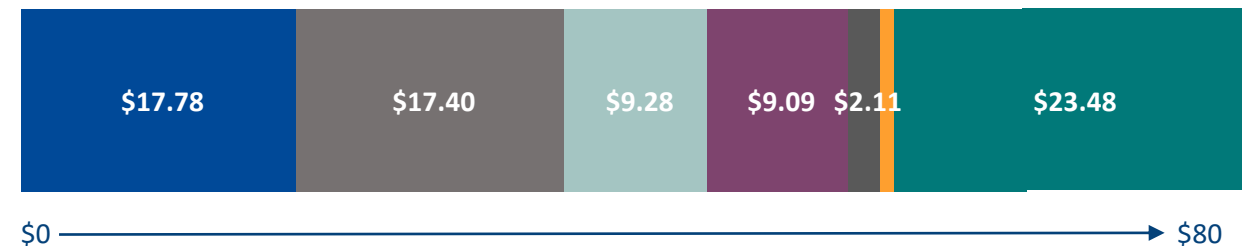
- Netbacks in line with original forecasts, with Egypt slightly higher and Canada slightly lower
- Total Company blended netback improvement has been driven primarily by lower opex per BOE; as combined royalty, price differential and tax is nearly flat compared to forecast with changes between categories attributable to production mix

Total Company Blended Netback on Working Interest Basis

Sept YTD 2023 Margins at ~\$81.75 Average Brent Oil



Original Forecast of FY2023 Margins at \$80 Realized Oil and Midpoint of Guidance



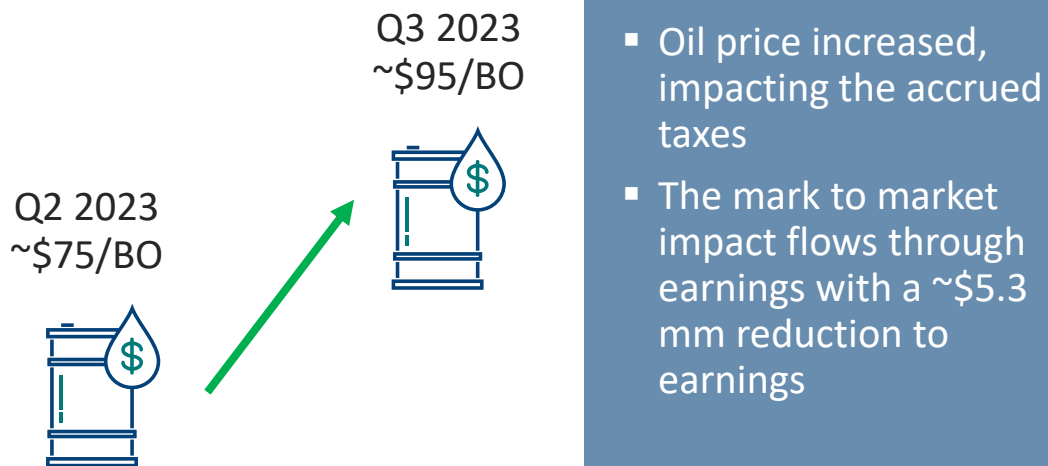
Delivering Better than Forecasted Margins in YTD 2023 Through Operational Excellence and Cost Control

ETAME: ACCOUNTING FOR IN-KIND TAXES

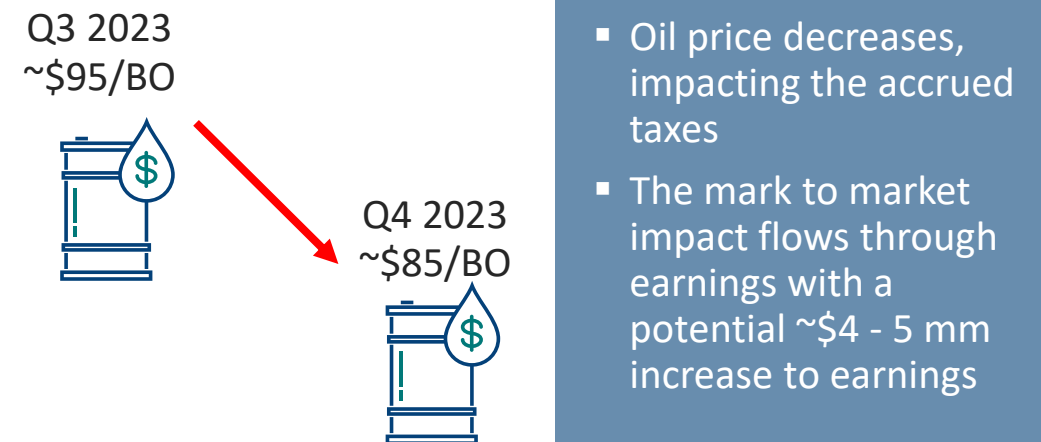
Foreign Income Taxes are Settled by the Government Through In-kind Oil Payments

- In 2023, the Gabonese government has not had a lifting of in-kind oil to settle VAALCO's tax payment
- At the end of each quarter, the amount of in-kind oil increases until a lifting occurs, and we have to mark-to-market the in-kind oil
- The price of Brent effects the accrued tax calculation which impacts earnings and earnings per share
- We continue to guide that 60-65% effective tax rate is correct over the long-term excluding these discrete items
- Commodity price movements quarter to quarter will change the effective tax rate for that quarter
- This process will continue until the government takes a lifting and the amount is settled

Rising Oil Prices Quarter over Quarter



Falling Oil Prices Quarter over Quarter



RECONCILIATIONS OF NON-GAAP MEASURES



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Reconciliation of Net Income to Adjusted EBITDAX	Three Months Ended			Nine Months Ended	
	September 30, 2023	September 30, 2022	June 30, 2023	September 30, 2023	September 30, 2022
Net income	\$ 6,141	\$ 6,868	\$ 6,752	\$ 16,363	\$ 34,136
Add back:					
Impact of discontinued operations	-	26	2	15	58
Interest expense (income), net	1,426	234	1,703	5,375	355
Income tax expense (benefit)	25,844	22,843	11,588	52,203	64,467
Depreciation, depletion and amortization	32,538	8,963	38,003	94,958	21,827
Exploration expense	1,194	56	57	1,259	250
FPSO demobilization	—	8,867	5,647	5,647	8,867
Non-cash or unusual items:					
Stock-based compensation	1,078	36	605	2,332	2,300
Unrealized derivative instruments loss (gain)	2,321	(12,902)	(35)	2,206	(5,161)
Arrangement Costs	—	6,424	—	—	7,624
Other operating (income) expense, net	(5)	—	303	298	5
Credit losses and other	822	1,020	680	2,437	2,083
Adjusted EBITDAX	\$ 71,359	\$ 42,435	\$ 65,305	\$ 183,093	\$ 136,811

	Nine Months Ended September 30, 2023
Reconciliation of Free Cash Flow	
Net cash provided by Operating activities	\$ 171,811
Net cash used in Investing activities	(77,365)
Net cash used in Financing activities	(42,382)
Effects of exchange rate changes on cash	(321)
Total net cash change	51,743
Add back shareholder cash out:	
Dividends paid	20,153
Stock buyback	15,566
Total cash returned to shareholders	35,719
Free Cash Flow	\$ 87,462

Percent of Free Cash Flow returned to shareholders 41%



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