

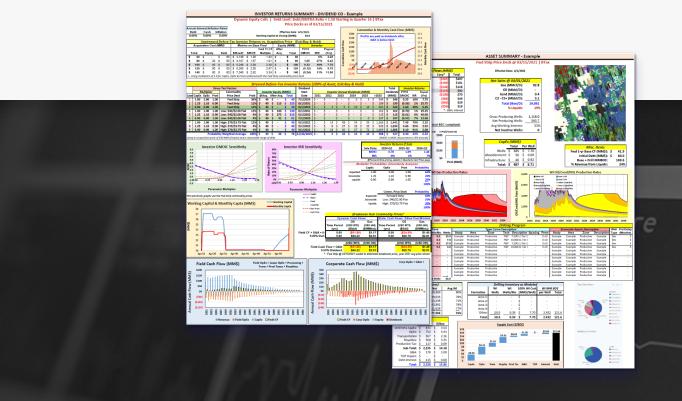
Field Development, Evaluation and Economic Modeling Using PetroVisor™



PetroVisor workflow provides asset development and corporate-level economics with uncertainty and downside analysis

PetroVisor's field development evaluation and well optimization workflow provides a full drill out economic evaluation of an entire asset or company's portfolio. Results including debt and equity requirements, dividend flow and projected returns are presented from an investor perspective. A flexible drilling scheduler and rapid run times allow multiple field development strategies to be tested in minutes or hours, not days or weeks. Probabilistic inputs for capital costs, operating costs, well production and commodity prices quantify the impact of uncertainty on investor returns and identify conditions that may require a change in strategy before capital is committed.

The workflow is automated within the PetroVisor environment allowing quick updates with new data or assumptions to speed up the decision process – a key benefit when evaluating potential acquisitions. Results are summarized for easy consumption by CEOs and leadership teams, directors and investors. Detailed output allows CFOs to review the many cash flow items and integrate them into internal models. Whether acquiring new assets, planning for field development, or budgeting for existing assets, the automated workflow enhances understanding and quantification of risk, and improves capital efficiency.





Workflow sequencing and features

Development Evaluation and Well Optimization Workflow Sequence

- 1. Input base production, both historic and forecast
- 2. Input a drilling schedule (full inventory)
 - a. Grouped by zone, area, completion and lateral spacing
 - b. Grouping dictates per-well costs, production and economic variables
 - c. Includes drilling pace and duration
- 3. Input individual well-related economic variables
- 4. Input asset and corporate-level economic variables
- Run cash flows. Compare expected and downside cases against debt and equity limits and investor returns expectations
- 6. Re-run, testing different drilling schedules to find the optimal schedule
- 7. Document results with "Investment Book"
- 8. Export cash flows as needed for internal tools

Divi	dend Mode	el 🛛			
What to do with Profits:	Pay Dividends	•			
Dividends No Earlier Than	18	mos after Eff	ective Date		
Dividends Stop	18	mos before e	end of proje	ct	
Dividends Stop When Fwd EBIT	DA - Debt <	\$ 1,000	М\$		
Allow Tandem Div & Deb	ot Increase?	No 🔻			
Debt 8	Equity Mo	odel			
Post-Acq. Equity Cal			Ratio 🔻	1	
Max % of Bor				1	
Initial Max Debt/E	0				
Final Max Debt/E			Also limits	divid	dends
Final Max Ratio Start			Also mints	anni	icnus
EBITDA (Annualized) Based	•		Months		
EBITDA (Annualized) Based	i On training.	12	INIOIILIIS		
Borrowing Base Model		Sample	Borrowing	Bas	e
Gas \$/Boe/D: \$ 5,000			-		вв
Oil/Liquids \$/bbl/d: \$ 15,000			Boe/D	(№	1M\$)
		Gas	10,000	\$	50
		Liquids	5,000	\$	75
				\$	125
Debt Interest Rate:	8.000%			•	
Cash Balance Interest Rate:	0.000%				
Bank Redetermination Trai		6			

Working Capital Ramp-Up Period (Months):	12
Months CapEx as Working Capital:	2
% ARO's as Immediate Working Capital:	0%
PV Disc. Rate for ARO Valuation:	10%
End of Life % EBITDA Towards ARO:	10%
End of Life ARO Accrues When (Fwd EBITDA)/ARO <	7.50

Inputs to this workflow include:

- · Individual-well forecasts, both existing wells and drilling candidates
- Drilling inventory well costs
- · Various corporate-level economic inputs
- · Various standard oilfield well-level economic inputs
- · Probabilities for commodity prices, CapEx, OpEx and production multipliers

Individual-well production forecasts and a calibrated well cost model are typically generated from the PetroVisor completion optimization workflow. However, production forecasts and corresponding well costs that are generated outside the workflow can also be used. A drilling inventory is derived by well counts for specific completion designs to be used in each zone at a given lateral spacing for a local area. Local areas are determined as having the same operating costs, plant yields and commodity price basis differentials. The pace and duration of drilling is assigned at the drilling rig level and assumes that each rig drills into a particular zone, with a particular completion design and lateral spacing.



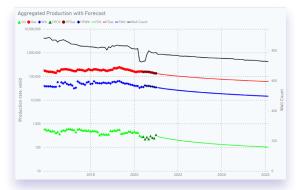
Standard economic inputs used with individual-well cash flows include well costs, fixed and variable operating costs, ownership, plant yields, commodity price differentials, gathering, transportation and processing fees, and abandonment liabilities. These inputs are assigned to logical zone/local geographic area groupings that cover all existing wells and drilling inventory. Cashflow details are generated on a monthly basis with a 40-year forecast.

Asset and corporate-level variables include the following:

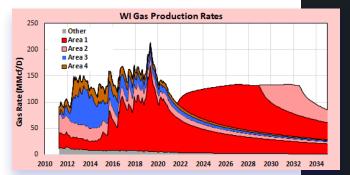
- · Current debt amount and interest rate
- G&A and other operational expenses
- Infrastructure costs (plant, pipe, roads, pads)
- Take or pay obligations (plant and/or pipe)
- Current income tax capitalized pools and corporate tax rate
- Inactive-well asset retirement obligations (AROs)
- · If an acquisition evaluation, then acquisition cost with equity and debt funding split

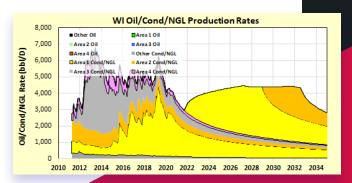
Corporate-level items are handled dynamically in the PetroVisor economics engine to mimic cash flow management for each specific scenario. Features include:

- Debt model Borrowing base is recomputed twice a year and debt load is limited as either a percent of borrowing base, debt/EBITDA ratio or both
- Working capital model Working capital is adjusted to smooth/defer equity calls and ensure that lumpy or end of life AROs do not result in equity calls
- Dividend model Dividends are paid via a forward-looking process where dividends are limited or paid. This reduces the likelihood of future equity calls or debt increases, and ensures zero-debt and zero-cash balance at the end of the asset or corporate life









Match a Drilling Schedule with Corporate Strategy

The drilling schedule answers two critical field development questions:

- How much debt and equity are required for funding?
- How does the drilling schedule fit with overall corporate strategy? (volume growth rate, meet take or pay obligations, pay dividends, fill facilities, or maximize investor returns)

This iterative process evaluates a drilling schedule against the corporate strategy. Using the PetroVisor workflow, inputting a new drilling schedule and re-running the full drill out evaluation, complete with hundreds of sensitivity and probabilistic runs, can be completed quickly. Updating the drilling schedule for a multi-hundred well drilling inventory can be completed in 5 to 15 minutes and re-running the economics usually takes less than ten minutes. One person can run and review 10 or 20 drilling schedules and select a preferred schedule that best achieves the corporate strategy while mitigating downside risk in less than a day.

Downside Considerations and the Impact of Uncertainty

Not every project goes according to plan. Capital and operating costs can increase unexpectedly, well production may be lower than expected and commodity prices can be difficult to predict. The PetroVisor workflow quantifies the impact of these uncertainties on cash flow and investor returns as part of the oil and gas economic evaluation. With this analysis, project performance, debt and equity requirements and investor returns are quantified for downside cases. Using this information leadership teams and decision makers can speak quantitatively about risk and uncertainty. The workflow's probabilistic approach presents the likelihood of both upside and downside cases. A probability-weighted overall outcome is derived from the mix of upside and downside scenarios.

									Drilling	Program								
	Star	t Date	Duration	Pace				Type Curve	e Descrij	otion			E	conomic In	puts Descri	ption	Well	Prd Delay
Riq	Year	Month	(Mo)	Wells/Mo	Wells	Study	Area	Zone	Tech	Description	Spacing	Perm	Study	Area	Zone	Description	Туре	(Months)
1	2021	7	66	0.5	33.0	Example	Productive	Productive	P&P	7,500 LL Tier 1	-	0 nD	Example	Example	Productive	Example	Dev	3
2	2027	1	21	0.3	7.0	Example	Productive	Productive	P&P	.0,000 LL Tier :	-	0 nD	Example	Example	Productive	Example	Dev	3
3	2028	10	34	0.5	17.0	Example	Productive	Productive	P&P	7,500 LL Tier 1	-	0 nD	Example	Example	Productive	Example	Dev	3
4	2031	8	9	0.3	3.0	Example	Productive	Productive	P&P	.0,000 LL Tier	-	0 nD	Example	Example	Productive	Example	Dev	3
			-	-	-	Example	Productive	Productive	-	-	-	-	Example	Example	Productive	Example	-	-
			-	-	-	Example	Productive	Productive	-	-	-	-	Example	Example	Productive	Example	-	-
			-	-	-	Example	Productive	Productive	-	-	-	-	Example	Example	Productive	Example	-	-
			-	-	-	Example	Productive	Productive	-	-	-	-	Example	Example	Productive	Example	-	-
			-	-	-	Example	Productive	Productive	-	-	-	-	Example	Example	Productive	Example	-	-
			-	-	-	Example	Productive	Productive	-	-	-	-	Example	Example	Productive	Example	-	-
			-	-	-	Example	Productive	Productive	-	-	-	-	Example	Example	Productive	Example	-	-
			-	-	_	Example	Productive	Productive	-	-	-	-	Example	Example	Productive	Example	-	-
			Т	otal Wells:	60.0													



Investment Book Provides a Roadmap for Executives and Investors

PetroVisor's field development evaluation and well optimization workflow produces a 16-page Investment Book that provides a comprehensive overview of the production and cash flow aspects of the asset or company, whether for development of existing assets or an acquisition evaluation. Geared towards operator executives and investors, the book presents results visualizations, annualized cashflow details and the many inputs used in the workflow. Updates to the investment book can be produced quickly, allowing real-time assessment of changing acquisition bid prices, commodity prices and numerous assumptions. The Investment Book can be saved as a PDF for easy review and sharing as required.

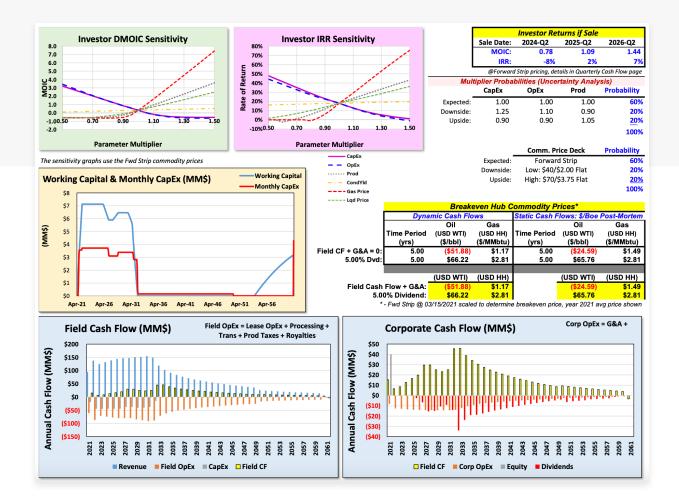
Included in the Investment Book are:

- · Asset summary page (number of wells, production data, drilling schedule, supply cost, required capital)
- Investment summary page (investment required, investment schedule, investment returns, dividends, downside evaluation, working capital and monthly capital, field cash flow and corporate cash flow)
- · Quarterly production, cash flow and investor returns summary for the next six years
- · User-defined inputs to the workflow
- Breakeven commodity prices
- Annualized cash flow details (royalties, take or pay obligations, corporate income tax schedule)
- · Annualized production rates, both base production and new drills
- · Single-well, half-cycle economics for the various completion designs and formations used in the drilling schedule
- · Completion design details and the resulting production type curves

	•		-		-				ynam	nic Equ	iity Calls Decks as of	Debt I)A Ra	tio < 1	.50	Starti	ng in Qu	arter 16	5 BT	ах
nni	al Inte	rost/lr	flatio	Rates						Price	Decks as U	05/15	/2021										
	ebt	Casł		flation					Effe	ctive Da	e: 4/1/2021						umulati	ve 8	Mont	hly Cash I	low (MN		
	0%	0.00%		0.00%			Working Ca	pital a								³⁰⁰	Profits	areı	paid as o	dividends	after		1.5
		Inches		Defens 7		an Date			141	Dalas	(E	(اما ما				250				w limit			1.0
		sition				cs on Ba		cquis		Y (MM\$	(Exit:Buy &	investor			\$2	200							^{3.5} S
	Acqui	Shuon	0031	nn (Mean		Fwd Yr 0	E /	After	y (1411414	, PV15	Investor	Payout	4	\$1	150						\$3	3.0 Ê
Т	otal	Equ	iity	Debt	\$/Boe/D	\$/BOE	Multiple		Acq.	Tot		IRR	(Yrs)	ů,	\$1	100						\$2	2.5 4 2
\$	60	\$	<u> </u>	\$ 60	\$ 3,148	\$ 1.25	1.4	_	<u> </u>	\$	60 -	0%	3.25	ative	\$	50						\$2	2.0 A
\$	80	\$	20	\$ 60	\$ 4,197	\$ 1.67	1.9	91 \$	-	\$	80 1.65	27%	6.42	Cumulative Cach Flow		\$0			Netth		iu	\$1	1.5 t o
\$	100	\$	40	• •••	\$ 5,246	\$ 2.09	2.3		-		00 0.33	18%	7.75	1	(\$	50)ン .00)	APT-2A	AP1-21	20	APT-33 A	1.36 APT.39	\$1	L.0 Š
\$	120	\$	60	\$ 60	\$ 6.296	\$ 2.50	2.8	37 \$	-	\$.	20 (0.12)	14%	9.75		101	24	P.X .	P.Y	P.Y	6x 6	< bx	Ś	
					+ -,=					•					(51	.00) –						70	1.5
-	140	\$	80	\$ 60	\$ 7,345	\$ 2.92	3.3	84 \$	-	\$	40 (0.34)	11%	11.00		(\$1	.00)		7					0.0
Ŧ		-	80	\$ 60	+ -,=	\$ 2.92	3.3	84 \$	-	\$	40 (0.34)					.00)		4					
-		-	80	\$ 60	\$ 7,345	\$ 2.92 combined	3.3 I with the Fv	84 \$ wd Stri	- ip comi	\$ nodity p	40 (0.34) rice deck	11%	11.00		(\$1	.50)		4					
-		-	80 s of 1.0	\$60 for CapEx,	\$ 7,345 OpEx & Prod	\$ 2.92 combined	3.3 I with the Fv	84 \$ wd Stri	- ip comi	\$ nodity p	40 (0.34) rice deck	11%	11.00	t, Exit	(\$1	.50)				Total	Invas	\$0).0
\$ - U	sing mu	ltipliers	80 s of 1.0 Stre	\$ 60 for CapEx, o	\$ 7,345 OpEx & Prod	\$ 2.92 combined	3.3 I with the Fv essed Be	84 \$ wd Stri	- ip comi <mark>-Tax</mark>	\$ modity p Invest	40 (0.34) <i>cice deck</i>	11%	11.00 o <mark>f Asse</mark> t		(\$1 :Buy	.50) 50) <mark>& Ho</mark>	.ail old)			Total		so tor Reti).0 urns
- U	sing mu	-	80 s of 1.0 Stre	\$ 60 for CapEx, o ss Test Fac Con	\$ 7,345 OpEx & Prod	\$ 2.92 combined	3.3 I with the Fv	84 \$ wd Stri	ip comi <mark>-Tax</mark> uity (N	\$ modity p Invest	40 (0.34) rice deck	11%	11.00 o <mark>f Asse</mark> t		(\$1 :Buy ual Div	.50) 50) <mark>& Ho</mark>			2025	Total Dividends (MM\$)		so tor Reti	0.0 urns Payou
- U	sing mu	Aultipliers	80 s of 1.0 Stre ier Proc	\$ 60 for CapEx, o ss Test Fa Con Prio	\$ 7,345 OpEx & Prod	\$ 2.92 combined	3.3 I with the Fv essed Be Invest @Acq.	84 \$ wd Stri	ip comi <mark>-Tax</mark> uity (N Acq.	\$ modity p Invest	40 (0.34) <i>ice deck</i> 07 Returns Dividend Start	11% (100%)	11.00 o <mark>f Asset</mark> Invest	or Ann	(\$1 :Buy ual Div	.50) & Ho	old) Is (MM\$)			Dividends	PV15	tor Ret	0.0 urns Payou (Yrs)
- U	sing mu A CapEx	<i>Iltipliers</i> <i>Iultipli</i> OpEx	80 s of 1.0 Stre ier Proc 1.00	\$ 60 for CapEx, ss Test Far Con Pri Fw	\$ 7,345 OpEx & Prod ctors nmodity ce Deck	\$ 2.92 combined Str Prob	3.3 I with the Fv essed Be Invest @Acq. \$ 40	34 \$ wd Stri fore for Equ After \$	- - Tax - Tax - Tax - Tax - -	\$ modity p Invest IM\$) Total	40 (0.34) <i>ice deck</i> 07 Returns Dividend Start Date	11% (100%) 2021	11.00 o <mark>f Asset</mark> Invest	or Ann 2023	(\$1 :Buy ual Div	80) 50) 8 Ho videna 024	<mark>ld)</mark> s (MM\$) 2025	>	2025	Dividends (MM\$)	PV15 DMOIC	tor Retu	0.0 Urns Payou (Yrs) 7.7
- U ase	xing mu xing	Aultipliers Aultipli OpEx 1.00 1.10 0.90	80 s of 1.0 Stre ier : Proc 1.00 0.90 1.05	\$ 60 for CapEx, o ss Test Fa Con Pri Fw Fw Fw	\$ 7,345 OpEx & Prod ctors nmodity ce Deck rd Strip rd Strip rd Strip	\$ 2.92 combined Str Prob 36% 12% 12%	3.3 I with the Fv essed Be @Acq. \$ 40 \$ 40 \$ 40 \$ 40	34 \$ wd Stri fore for Equ After \$ \$ \$	- Tax uity (N Acq. - 113 -	\$ modity p Invest IM\$) Total \$ 40 \$ 153 \$ 40	40 (0.34) ice deck 07 Returns Dividend Start Date 7/1/2024 8/1/2031 9/1/2022	11% (100%) 2021 \$ - \$ - \$ - \$ - \$ - \$ -	11.00 o <mark>f Asset</mark> Invest	or Ann 2023	(\$1 :Buy ual Div	80) 50) 8 Ho videna 024	<mark>old)</mark> s (MM\$) 2025 \$ 3	> \$	2025 344 199 491	Dividends (MM\$) \$ 346 \$ 199 \$ 522	PV15 DMOIC 0.33 (0.56) 1.60	irr Retu IRR 18% 2% 30%	0.0 Payou (Yrs) 7.7 25.7
- U ase 1 2 3 4	ларания КарЕх 1.00 1.25 0.90 1.00	Aultipliers Aultipli OpEx 1.00 1.10 0.90 1.00	80 s of 1.0 Stre er Proc 1.00 0.90 1.05 1.00	\$ 60 for CapEx, o ss Test Fa Con Pri- Fw Fw Fw Fw Fw Low: \$4	\$ 7,345 OpEx & Prod ctors nmodity ce Deck rd Strip rd Strip rd Strip 0/\$2.00 Fla	\$ 2.92 combined Str Prob 36% 12% 12%	3.3 I with the Fv essed Be @Acq. \$ 40 \$ 40 \$ 40 \$ 40	s4 \$ wd Stri fore or Equ After \$ \$ \$ \$ \$	- - Tax - uity (M Acq. - 113 - 100	\$ modity p invest MM\$) Total \$ 40 \$ 153 \$ 40 \$ 140	40 (0.34) ice deck 07 Returns Dividend Start Date 7/1/2024 8/1/2031 9/1/2022 8/1/2031	11% (100%) 2021 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	11.00 of Asset Invest 2022 \$ - \$ - \$ -	or Ann 2023	(\$1 :Buy ual Dir \$ \$ \$	(00) (50) (50) (50) (50) (50) (50) (50)	<mark>s (MM\$)</mark> (MM\$) (5 (MM\$) (5 (MM\$) (5 (MM\$) (5 (MM\$)) (5 (MM\$) (5 (MM\$)) (5 (> \$ \$ \$ \$	2025 344 199 491 162	Dividends (MM\$) \$ 346 \$ 199 \$ 522 \$ 162	PV15 DMOIC 0.33 (0.56) 1.60 (0.70)	irr Retu irr Retu irr 2% 30% 1%	2.0 Payou (Yrs) 7.7 25.7 5.2 29.2
- U ase 1 2 3 4 5	ларания ларония лорон	<i>fultipliers</i> <i>fultipli</i> OpEx 1.00 1.10 0.90 1.00 1.10	80 s of 1.0 Stre er Proc 1.00 0.90 1.05 1.00 0.90	\$ 60 for CapEx, of ss Test Fan Con Pri- Fw Fw Fw Low: \$4 Low: \$4	\$ 7,345 OpEx & Prod ctors nmodity ce Deck rd Strip rd Strip of Strip 0/\$2.00 Fla 0/\$2.00 Fla	\$ 2.92 combined Str Prob 36% 12% 12% t 12%	3.3 with the Fv essed Be @Acq. \$ 40 \$ 40 \$ 40 \$ 40 \$ 40	After \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- Tax - Tax - uity (M Acq. - 113 - 100 275	\$ modity p invest MM\$) Total \$ 40 \$ 153 \$ 40 \$ 140 \$ 140 \$ 315	40 (0.34) ice deck or Returns Dividend Start Date 7/1/2024 8/1/2031 9/1/2022 8/1/2031	11% (100%) 2021 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	11.00 of Asset Invest 2022 \$ - \$ - \$ -	or Ann 2023	(\$1 :Buy ual Dir \$ \$ \$	(00) (50) (50) (50) (50) (50) (50) (50)	Id) 2025 \$ 3 \$ - \$ 14 \$ - \$ 14	> \$ \$ \$ \$ \$	2025 344 199 491 162 115	Dividends (MM\$) \$ 346 \$ 199 \$ 522 \$ 162 \$ 115	PV15 DMOIC 0.33 (0.56) 1.60 (0.70) (0.61)	so tor Reta 18% 2% 30% 1% 0%	2.0 Payou (Yrs) 7.7 25.7 5.2 29.2 40.0
- U ase 1 2 3 4 5	A Sing mu A CapEx 1.00 1.25 0.90 1.00 1.25 0.90	1.00 1.10 1.00 1.10 0.90 1.00	80 s of 1.0 Stre ier Proc 1.00 0.90 1.05 1.05	\$ 60 for CapEx, s ss Test Fai Pri- Fw Fw Fw Low: \$4 Low: \$4 Low: \$4	\$ 7,345 OpEx & Prod nmodity ce Deck rd Strip rd Strip 0/\$2.00 Fla 0/\$2.00 Fla	\$ 2.92 combined Str Prob 36% 12% 12% tt 12% tt 4%	3.3 with the Fv essed Be @Acq. \$ 40 \$ 40 \$ 40 \$ 40 \$ 40 \$ 40 \$ 40 \$ 40	34 \$ wd Stri fore After \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - Tax - uity (N - Acq. - 113 - 100 275 41	\$ modity p Invest Total \$ 40 \$ 133 \$ 40 \$ 140 \$ 140 \$ 315 \$ 81	40 (0.34) iice deck Dividend Start Date 7/1/2024 8/1/2031 9/1/2022 8/1/2032 7/1/2025	11% (100%) (2021) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	11.00 of Asset 2022 \$ - \$ - \$ 2 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	or Ann 2023 \$ - \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	(\$1 :Buy ual Dir \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<pre></pre>	Id) 2025 \$ 3 \$ - \$ 14 \$ - \$ - \$ - \$ 0	> \$ \$ \$ \$ \$	2025 344 199 491 162 115 247	Dividends (MM\$) \$ 346 \$ 199 \$ 522 \$ 162 \$ 115 \$ 247	PV15 DMOIC 0.33 (0.56) 1.60 (0.70) (0.61) (0.57)	so tor Reto IRR 18% 2% 30% 1% 0% 7%	2.0 Payot (Yrs) 7.7 25.7 5.2 29.2 40.0 12.5
- U ase 1 2 3 4 5 6 7	ларания КарЕх 1.00 1.25 0.90 1.00 1.25 0.90 1.00	<i>fultipliers</i> <i>fultipliers</i> 1.00 1.10 0.90 1.00 1.10 0.90 1.00	80 s of 1.0 Stre ier i.00 0.90 1.05 1.00 0.90 1.05 1.00	\$ 60 for CapEx, for ss Test Fai Com Pri- Fw Fw Fw Ew Fw Low: \$4 Low: \$4 Low: \$4 High: \$7	\$ 7,345 OpEx & Prod nmodity cce Deck rd Strip rd Strip 0/\$2.00 Fla 0/\$2.00 Fla 0/\$2.00 Fla	\$ 2.92 combined Str Prob 36% 12% 12% t 12% t 12%	3.3 with the FV essed Be @Acq. \$ 40 \$ 40 \$ 40 \$ 40 \$ 40 \$ 40 \$ 40 \$ 40	After S S S S S S S S S S S S S S S S S S S	- - Tax - uity (N - Acq. - 113 - 100 275 41	\$ modity p Invest Invest Invest Inves Inves	40 (0.34) ice deck 0 Dividend Start Date 7/1/2024 8/1/2031 6/1/2032 9/1/2022 9/1/2022	11% (100%) 2021 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	11.00 of Asset 2022 \$ - \$ - \$ 2 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	or Ann 2023 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	(\$1 	8 Ha 50) 10 - 10 - - 54 54	Id) s (MM\$) 2025 \$ 3 \$ \$ 14 \$ \$ 14 \$ \$ 4 \$	> \$ \$ \$ \$ \$ \$ \$	2025 344 199 491 162 115 247 1,266	Dividends (MM\$) \$ 346 \$ 199 \$ 522 \$ 162 \$ 115 \$ 247 \$ 1,441	PV15 DMOIC 0.33 (0.56) 1.60 (0.70) (0.61) (0.57) 7.49	tor Reta IRR 18% 2% 30% 1% 0% 7% 79%	25.7 Payou (Yrs) 7.7 25.7 5.2 29.2 40.0 12.5 2.2
- U ase 1 2 3 4	A CapEx 1.00 1.25 0.90 1.00 1.25 0.90 1.00 1.25	<i>fultipliers</i> <i>fultipliers</i> 1.00 1.10 0.90 1.00 1.10 1.00 1.10 1.10	80 s of 1.0 Stre ier Proc 1.00 0.90 1.05 1.00 0.90 1.05 1.00 0.90 1.05	\$ 60 for CapEx, for ss Test Fai Con Pri- Fw Fw Low: \$4 Low: \$4 Low: \$4 High: \$7 High: \$7	\$ 7,345 OpEx & Prod ctors mmodity ce Deck d Strip d Strip 0/\$2.00 Fla 0/\$2.00 Fla 0/\$2.00 Fla 0/\$2.00 Fla 0/\$2.70 Fla	\$ 2.92 combined Prob 36% 12% 12% tt 42% tt 44% tt 44% tt 44%	3.3 with the FV essed Be @Acq. \$ 40 \$ 40 \$ 40 \$ 40 \$ 40 \$ 40 \$ 40 \$ 40	After S S S S S S S S S S S S S S S S S S S	- - Tax - uity (N - Acq. - 113 - 100 275 41	\$ modity p Invest Invest Invest Inves Inves	40 (0.34) ice deck Dividend Start Date 7/1/2024 8/1/2031 6/1/2032 7/1/2025 9/1/2022 9/1/2022	111% (100% c 2021 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	11.00 of Asset 2022 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	or Ann 2023 \$ - \$ - \$ - \$ - \$ - \$ - \$ 4 \$ 2	(\$1 	8 Hc 50) 0 024 0 024 0 - 10 - - 54 32	Id) Image: Solution of the second state o	> \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2025 344 199 491 162 115 247 1,266 933	Dividends (MM\$) \$ 346 \$ 199 \$ 522 \$ 162 \$ 115 \$ 247 \$ 1,441 \$ 1,034	PV15 DMOIC 0.33 (0.56) 1.60 (0.70) (0.61) (0.57) 7.49 4.66	tor Reta IRR 18% 2% 30% 1% 0% 7% 79% 55%	0.0 urns Payou (Yrs) 7.7 25.7
- U ise 1 2 3 4 5 5 7 3	ларания КарЕх 1.00 1.25 0.90 1.00 1.25 0.90 1.00	<i>fultipliers</i> <i>fultipliers</i> <i>fultipli</i> OpEx 1.00 1.10 0.90 1.00 1.10 0.90 1.10 0.90	80 5 of 1.0 5 of 1.0 5 of 1.0 5 of 1.0 0.90 1.05 1.00 0.90 1.05 1.00 0.90 1.05 1.00 0.90 1.05 1.00 0.90 1.05 1.00	\$ 60 for CapEx, 1 ss Test Fai Prin Fw Fw Fw Fw Low: \$4 Low: \$4 High: \$7 High: \$7 High: \$7	\$ 7,345 OpEx & Prod nmodity cce Deck rd Strip rd Strip 0/\$2.00 Fla 0/\$2.00 Fla 0/\$2.00 Fla	\$ 2.92 combined Prob 36% 12% 12% 12% 12% 12% 12% 12% 12	3.3 with the FW essed Be @Acq. \$ 40 \$ 40 \$ 40 \$ 40 \$ 40 \$ 40 \$ 40 \$ 40	After S S S S S S S S S S S S S S S S S S S	- - Tax - uity (N - Acq. - 113 - 100 275 41	\$ Invest Invest Invest Invest	40 (0.34) ice deck 0 Dividend Start Date 7/1/2024 8/1/2031 6/1/2032 9/1/2022 9/1/2022	111% (100% c 2021 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	11.00 of Asset 2022 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	For Ann 2023 \$ \$	(\$1 	8 Hc 50) 0 024 0 024 0 - 10 - - 54 32	Id) Image: Solution of the second state o	> \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2025 344 199 491 162 115 247 1,266 933 1,469	Dividends (MM\$) \$ 346 \$ 199 \$ 522 \$ 162 \$ 115 \$ 247 \$ 1,441	PV15 DMOIC 0.33 (0.56) 1.60 (0.70) (0.61) (0.57) 7.49	tor Reta IRR 18% 2% 30% 1% 0% 7% 79%	0.0 Payo (Yrs 25. 29. 40. 12. 2.

Field Development, Evaluation and Economic Modeling Using PetroVisor







Summary

PetroVisor's development evaluation and optimization workflow provides a comprehensive planning solution for oil and gas economic evaluation. Various completion and well optimization scenarios are presented and compared. Numerous formation, completion, drilling and economic inputs are adjusted to show results under different conditions. The workflow's oil and gas financial modeling engine provides a comprehensive overview of the production and cash flow aspects of the asset or company in a concise, PDF-based Investment Book. The development evaluation and optimization workflow provides valuable information for both operator and investor for any oil and gas field development project.





