

# Rhein Petroleum Acquisition

December 2022

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# **Executive Summary – Rhein Petroleum acquisition**

#### 1. Cash generative production



**Current production** and clear path to payback (2023) from discovered resources

#### 2. Material development opportunities



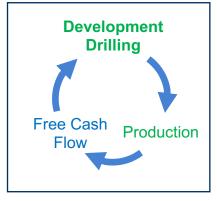
Simple development opportunities from discovered resources funded from production

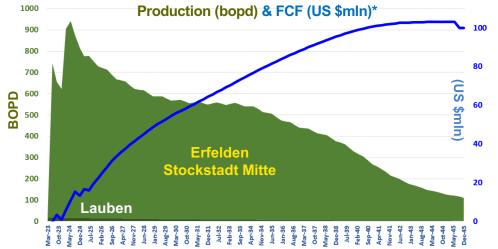
#### 3. Potentially transformational exploration upside

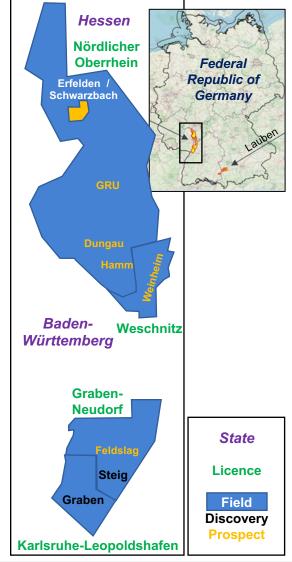


To be tested during development drilling and funded from production

The acquisition of onshore production, development, appraisal and exploration assets in Germany







# Synergy and rationale for the combination

## FORMERLY ADVANCEENERGY

- LSE AIM-listed clean, cash shell targeting cash generative producing and development oil & gas assets to build a self-funding platform for growth
- Board has a strong track-record of growing E&P businesses and accessing capital markets



- Private Company looking for access to capital to develop its oil production, development, appraisal and exploration portfolio in onshore Germany
- Proven in-country operating capability and expertise



- Combines the experienced BCE Board with the portfolio of Rhein Petroleum and their outsourced operating capability to establish a self-funding platform for growth:
- Production (Lauben; Erfelden-Schwarzbach)
- Growth potential in simple, high-margin, developments (Erfelden; Graben & Steig)
- Material upside in Exploration (Weinheim, Steig Deep)
- Growth potential in Germany consolidation, portfolio rationalisation and application of modern technology
- Potential development asset with near-term production currently under negotiation by Rhein **Petroleum**
- Access to international deal flow
- Capacity for future acquisitions from equity, free cash flow, debt and/or vendor financing

## **Transaction details**

Beacon Energy to acquire Rhein Petroleum from Tulip Oil Holdings B.V. and Deutsche Rohstoff AG

#### **Consideration:**

- Rhein Petroleum shareholders Tulip Oil and DRAG to receive shareholding of 29.9% and 3.3% respectively in the enlarged share capital of Beacon Energy
- Tulip Oil and DRAG to receive contingent "Earn-Out" payment equivalent to 10% future production from current discoveries after provision for State royalties, and 3% Earn-Out from any new discoveries
- Beacon Energy to undertake £6m net equity raise to fund development drilling and bringing into production the SCHB-2 well
  - Tulip Oil to subscribe at the placing equity price for an additional 6.8% in the enlarged share capital of Beacon Energy

#### Attractive transaction metrics:

- No upfront cash consideration raised cash invested in drilling and production
- Beacon Energy acquiring net 2P reserves of 3.84 mmbbl; net 2C contingent resources of 22.96 mmbbl\*; net 2U prospective resources of 207.83 mmbbl\*
- NPV10 of the Lauben and Erfelden 2P reserves US\$55.6 mln from a cumulative free cashflow of US\$100 mln\*\*
- Attractive Erfelden commercial Net-back metrics of ~US\$58 per barrel @ \$80/bbl at peak production\*\*\*

# **Business climate for E&P in Germany**

#### **German & European Energy Supply challenges**

- Russian gas supply severely compromised
- Potential for an increased role for indigenous sources of energy

#### Oil production in Germany dates to 1858

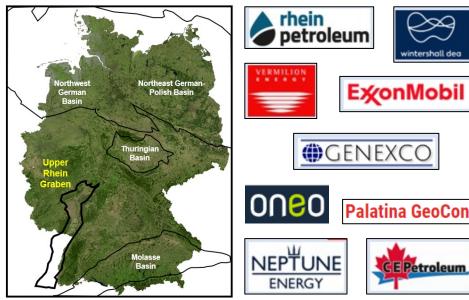
- Total 2021 domestic oil and gas production of ~120 kboe/d
- Growing number of operators, with potential for deal flow through consolidation and portfolio rationalizations

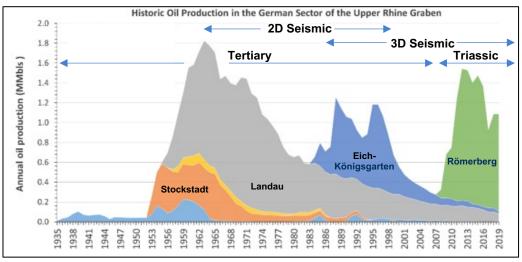
#### Upper Rhine Graben is a historic oil and gas province

- Over 400 exploration and appraisal wells drilled, 57 oil and gas fields
- Basin-opening Stockstadt oil field is adjacent to the Rhein Petroleum operated Erfelden development
- Römerberg discovery (2003) from a geothermal test doubled the total recoverable reserves in the German sector in a new play

## Advantageous regulatory and fiscal regime

- 30% CIT; effective royalty at 0%-10%-18% depending on Federal State; royalty is allowable for CIT
- Rumored O&G Windfall "EU Energy crisis contribution" tax targeting 2022/23 excess profits
- Stable and predictable permitting processes

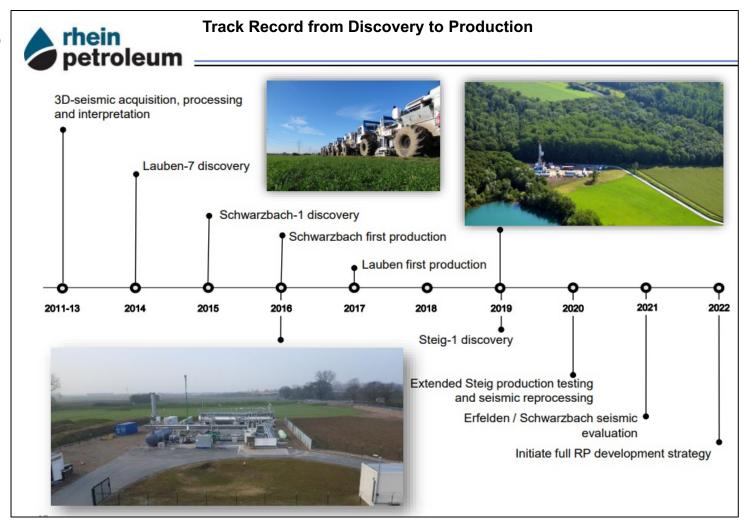




# Rhein Petroleum – operating capability and expertise

Rhein Petroleum - operator and nonoperated partner active in onshore E&P in Germany over the past 10 years:

- A lean team with a track record of exploration, appraisal, development and production operations, transforming ideas into reserves and production
- Proven capability of building a portfolio through extensive in-country connections and knowledge
- Ring-fences operational oversight to Germany allowing Board to continue to focus on growing the business
- Facilitates access to other assets in Germany
- Rhein Petroleum operating team will be retained
- ESG will be fundamental to Rhein Petroleum - licence to operate

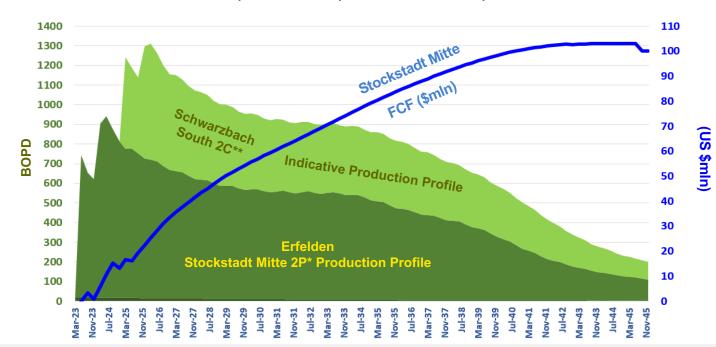


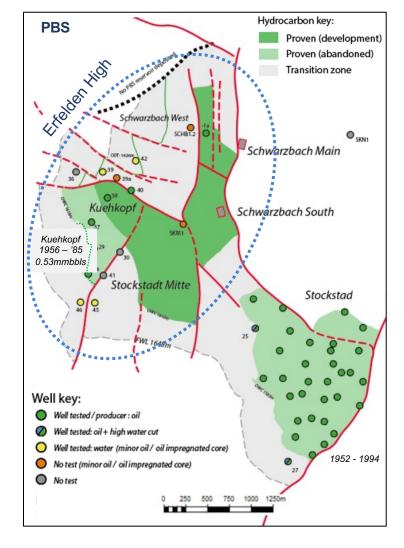
Timeline: This information has been provided directly by Rhein Petroleum GmbH and has not been independently verified

# **Near-term growth catalysts – Erfelden Development**

#### **Summary: Rhein Petroleum 100% Operator**

- Historic production in Kuehkopf field from the PBS reservoir, operated by Exxon
- Rhein Petroleum discovered oil in the Schwarzbach Main field in 2015, still in production – peak production of 225 bopd in small compartment and now ~15 bopd
- Remaining 2P reserves in Stockstadt Mitte & Schwarzbach Main are 3.78 mmbbls\*
- Schwarzbach South 2C contingent resources 2.42 mmbbls with a risk of 50%\*
- Equity fund raise of £6m net to drill and bring SCHB-2 well into production 2023, which will fund the subsequent development of the complex





# Near-term work programme, timeline & triggers

## **Summary**

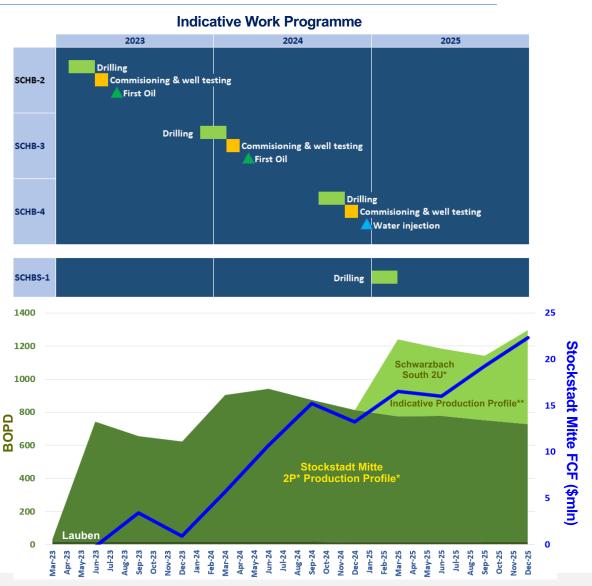
- £6m net equity raise to fund drilling, completion and bringing into production of SCHB-2 well
- Cash generative producing and development oil & gas assets to build a self-funding platform for growth

#### Erfelden - Stockstadt Mitte

- SCHB-2 well into production in 2023
- SCHB-3 targeted for 2024 and funded by SCHB-2
- SCHB-4 water injection well targeted for late 2024

#### **Schwarzbach South**

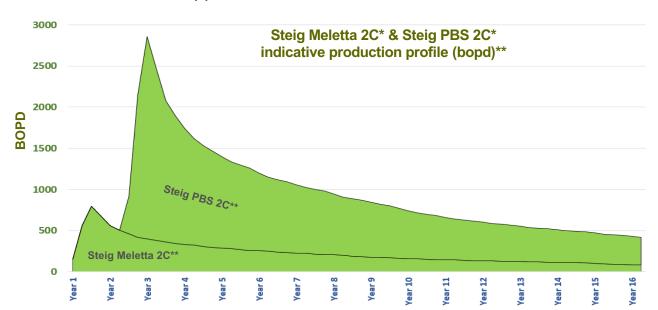
- 2025 drilling SCHBS-1 funded by production from Erfelden
- Schwarzbach South may be appraised during the well drilling campaign in 2024 with the drilling of the water injection well as part of the Erfelden development plan

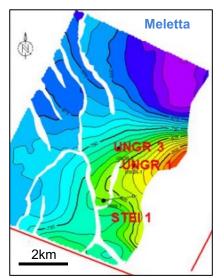


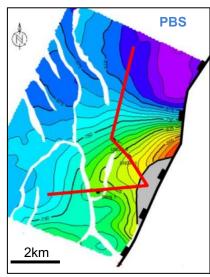
## **Medium-term growth catalysts - Steig Potential Development**

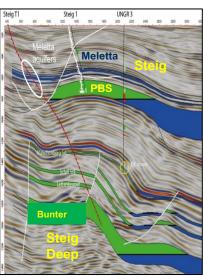
#### **Summary: Rhein Petroleum 100% Operator**

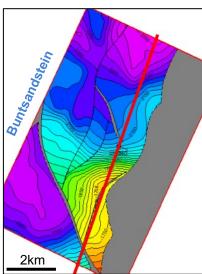
- Steig oilfield discovered by Rhein Petroleum, oil tested from the Meletta and PBS
- Independent CPR 2C net contingent resources of 1.62 mmbbls for the Meletta reservoir with a chance of development (COD) of 50%\*
- PBS reservoir 2C net prospective resources of 17.0 mmbbls with a COD of 50%\*
- The Buntsandstein reservoir of the Steig Deep prospect has a 2U prospective resource of 16.0 mmbbls with a COSg of 30%\*
- Appraisal programme to be funded by production from Erfelden
- Production licence application has been submitted









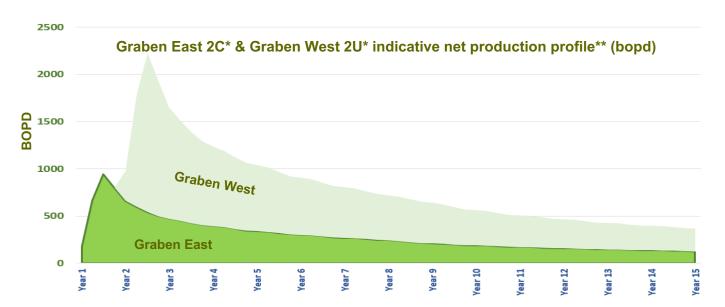


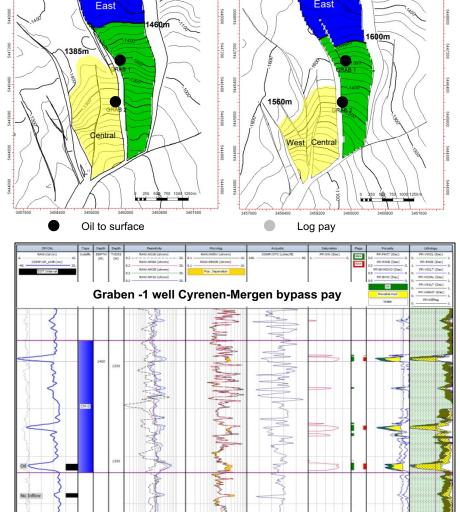
<sup>\*</sup> SGS CPR December 2022

## **Medium-term growth catalysts – Graben Potential Development**

## **Summary: Rhein Petroleum 60% Operator**

- Graben oilfield was discovered in 1959, and produced oil from 2 wells from the Cyrenen-Mergen and Meletta until 1963
- Independent CPR 2C net contingent resources in Graben East up-dip of the Graben-1 production well of 1.92 mmbbls with a COD of 70%\*
- 2U net prospective resources in Graben Central & West in 3 distinct reservoirs up-dip from the Graben-2 production well of 3.42 mmbbls with probability of geological discovery ranging from 40% to 50%\*
- Development programme to be funded from Erfelden development and Partner





Cyrenen-Mergen

Meletta

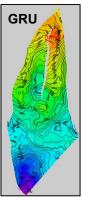
SGS CPR December 2022

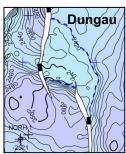
## Longer-term growth catalysts within the portfolio

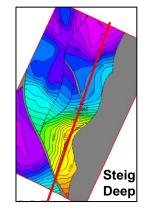
## **Summary: Rhein Petroleum Operator all 100%; Feldschlag 60%**

- Portfolio of additional 5 prospects throughout the Rhein Graben licences
- All defined on 3D seismic data targeting proven reservoirs
- Weinheim 2U prospective resource (PR) of 180 mmbbls\* over 2 reservoirs with probability of discovery ranging from 15% to 42%
- Additional prospects Hamm (2U PR of 3.8 mmbbls\*) and Feldschlag (2U PR of 3.5 mmbbls\*) with risk on individual targets ranging from 15% to 45%

Prospective Resources	Gross			Net	Attributa	Probability of	
All figures in 1000bbls	<b>1</b> U	2U	3U	1U	2U	3U	geological discovery
Steig Deep	9,000	16,000	24,000	9,000	16,000	24,000	30%
Weinheim - CM+BNS+ME+PBS	92,000	150,000	234,000	92,000	150,000	234,000	42%
Weinheim Buntsandstein	18,000	30,000	45,000	18,000	30,000	45,000	15%
Weinheim - Total	110,000	180,000	279,000	110,000	180,000	279,000	
Hamm - PBS	918	1,435	2,081	918	1,435	2,081	45%
Hamm - Buntsandstein	1,480	2,367	3,484	1,480	2,367	3,484	15%
Hamm - Total	2,398	3,802	5,565	2,398	3,802	5,565	
Feldschlag - BNS	996	1,585	2,417	996	1,585	2,417	40%
Feldschlag - CM	568	888	1,433	568	888	1,433	40%
Feldschlag - ME	675	1,094	1,690	675	1,094	1,690	20%
Feldschlag - Total	2,239	3,567	5,540	2,239	3,567	5,540	
Dungau	344	552	848	344	552	848	50%
Gross Rohrheim - Rotliegend	294	490	811	294	490	811	40%









Baden-

Württemberg

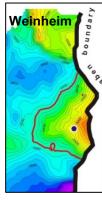
Graben-Neudorf

Graben

Karlsruhe-Leopoldshafen

Weschnitz







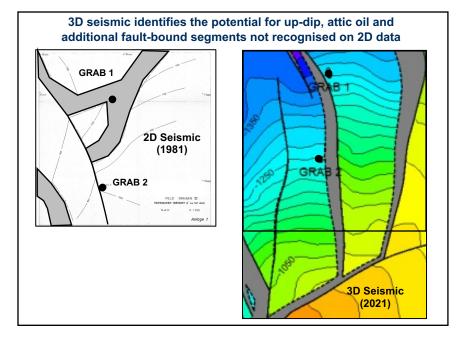
# **Growth potential in Germany**

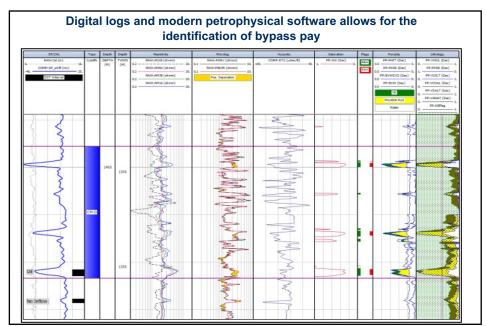
#### Potential from consolidation and portfolio rationalisation in the sector

- Opportunity for consolidation as larger companies review materiality of asset size and scale
- In the Upper Rhine Graben industry focus has moved to the under-explored Triassic play:
  - Development asset with near-term production currently under negotiation by Rhein Petroleum

## Potential for the application of new thinking and current technology

- Running room in portfolio with deeper Triassic targets and potential new plays
- Application of current technology not available during development of many of the legacy fields







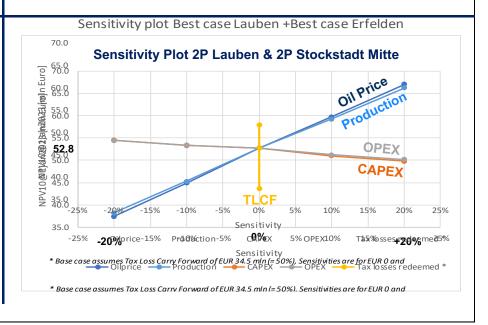
## **Economics: SGS Certification**

#### **Summary**

- Immediately cash generative
- Devex funded from cashflow
- Free cash flow to fund developments at:
  - Schwarzbach South
  - Steig
  - Graben
- Free cash flow to fund exploration at:
  - Weinheim
  - Steig Deep
- Self-sustainable business model

14.0	corporate cash now. Best case	140.0							
14:0	Corporate cash flow: Best Case								
19:0		190:0							
<u>s</u> 18:8		\$60.0 \$\text{\tin}\text{\tett{\text{\tetx{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\\\ \ti}}\\ \text{\text{\text{\text{\text{\text{\text{\text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\text{\texi}\text{\text{\texi}\}\\ \ti}\\\ \\\tittt{\text{\texi}\text{\text{\texit{\text{\texi}\text{\texi}\tex							
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-4:0	Acars  Ac	-40:0							
-4.0	Annual —— Cumulative	-40.0							

Reserves case	7/6585 IVIIVIBBI 2P/Best	5.82171171pbl 3P/High
ENIM @ SGS oil price	3.85lviMbbl	5.82lviMbbl
Onew Capatrof (one (geo)ss)	95	1160
NIPM (Cas)hellow (net)	93	169
NPV (20) €MM	<b>3</b> 3	17095
Payback period months	c. 9	c. 6



## Timetable and conditions

## Completion of the Transaction is subject to, inter alia:

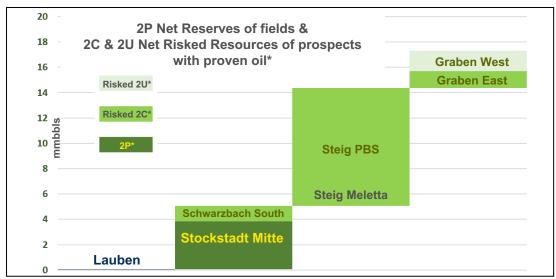
- Certain regulatory consents and confirmations;
- Approval by Tulip's shareholders at a general meeting;
- Finalisation of the Placing;
- Publication of an AIM Admission Document: and
- Approval by Beacon Energy's shareholders at a general meeting, including the passing of the Rule 9 Waiver resolution

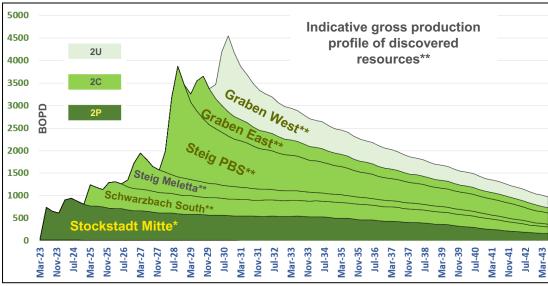
#### Indicative timetable

- Sale and Purchase Agreement signed 15 December 2022
- Publication of AIM Admission Document anticipated late January 2023
- General Meeting of Beacon Energy shareholders anticipated mid February 2023
- Completion targeted mid February 2023

# Summary - creating a solid growth platform

- Potentially transformative and value accretive transaction in line with strategy to focus on proven resources and cash generative assets
- Platform has the potential to deliver up to ~4,000 bopd\*\* in the coming years from 2P net reserves of 3.85 mmbbl\* and 2C/2U net risked resources of 13.48 mmbbl\* in drilled prospects with proven oil
- Attractive transaction metrics with zero upfront cash consideration paid and monies raised to fund relatively low-risk, value enhancing drilling activity
- Establishes footprint in a country with an attractive fiscal regime and compelling growth dynamics
- Provides Beacon Energy with existing and near-term production growth, proven Reserves and Resources and robust cash flow = a solid growth platform







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Strand Hanson

#### **Brokers**

Tennyson Securities
Optiva Securities Limited

#### **Auditors**

**Lubbock Fine** 

#### Registrars

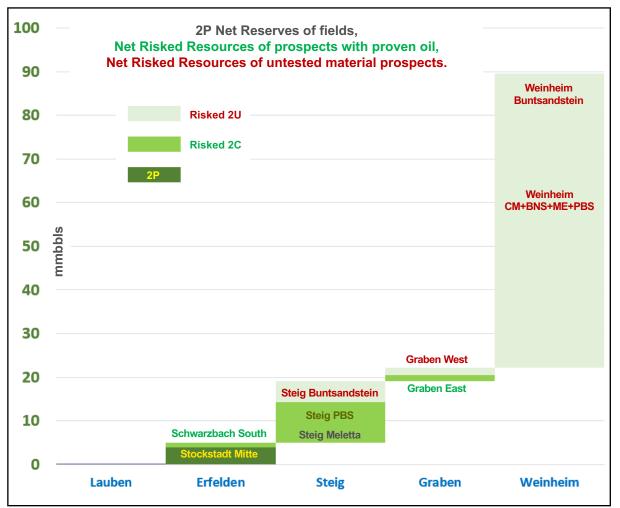
**Computershare Investor Services** 

# **Rhein Petroleum Inventory (CPR\*)**

Reserves		Gross		Net Attributable		ıble	Operator	
All figures in 1000bbls	1P	2P	3P	1P	2P	3P	Operator	
Lauben		126	144		63	72	ONEO	
Erfelden STK-Mitte & SWB-Main		3,784	5,754		3,784	5,754	Rhein Petroleum	
Total Reserves	0	3,910	5,898	0	3,847	5,826		

Contingent Resources	Gross			Net Attributable			Chance of	Operator
All figures in 1000bbls	<b>1</b> C	2C	3C	<b>1</b> C	2C	3C	Development	Operator
Schwarzbach South	1,669	2,417	3,315	1,669	2,417	3,315	50%	Rhein Petroleum
Graben - East block CM + CMD	2,000	3,200	4,800	1,200	1,920	2,880	70%	Rhein Petroleum
Steig ME	499	1,627	2,213	499	1,627	2,213	50%	Rhein Petroleum
Steig PBS	13,000	17,000	22,000	13,000	17,000	22,000	50%	Rhein Petroleum
Total CR	17,168	24,244	32,328	16,368	22,964	30,408		

Prospective Resources	Gross			Net Attributable			Probability of	Operator
All figures in 1000bbls	<b>1</b> U	2U	3U	<b>1</b> U	2U	3U	geological discovery	Operator
Graben - West block CM + CMD	2,600	4,100	5,900	1,560	2,460	3,540	50%	Rhein Petroleum
Graben - West block ME C	730	1,100	1,600	438	660	960	40%	Rhein Petroleum
Graben - West block ME D	150	500	1,100	90	300	660	40%	Rhein Petroleum
Graben - Total	3,480	5,700	8,600	2,088	3,420	5,160		
Steig Deep	9,000	16,000	24,000	9,000	16,000	24,000	30%	Rhein Petroleum
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Gross Rohrheim - Rotliegend	294	490	811	294	490	811	40%	Rhein Petroleum
Total PR	127,755	210,111	324,364	126,363	207,831	320,924		



## **Erfelden – Schwarzbach Production facilities**



# **Schwarzbach & Lauben Production facilities**



- Unmanned oil producing facility currently producing from a single well
- Construction is underway for the introduction of an additional 3 wells
- The single well is routed to the Separator for processing
- The Separator has 3 compartments, with the first performing the 3-Phase separation
- Gas produced is routed to the heating medium system as a fuel source
- Oil produced overflows into oil storage compartment (with skimming facilities)
- Water phase underflows to the water storage compartment (with skimming)
- Offloading road tankers collect the oil and water
- Cold vent stack is primarily used for venting offloading road tankers



- Unmanned oil producing facility currently producing from a single well
- The single well is routed to the Separator for processing
- The Separator performs 2-Phase separation
- Gas produced is routed to a heating medium system as a fuel source
- Liquid phase is retained in the separator
- Oil/water mixture is road transported to Schwarzbach for separation
- Cold vent stack is primarily used for venting offloading road tankers