



# MULTI-TCF ONSHORE GAS IN INDIA

OCTOBER 2016

**OILEX**LTD

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# IMPORTANT INFORMATION

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## Resource estimates

The resources assessment follows guidelines set forth by the Society of Petroleum Engineers–Petroleum Resource Management System. The Cambay Field resource estimates within this presentation are based on information and data contained within Oilex's market release dated 24 June 2016. Oilex confirms that it is not aware of new information or data that materially affects the information included in the market release dated 24 June 2016 and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

# CAMBAY – UNLOCKING VALUE

- 1 Prolific Cambay Basin – long history of production
- 2 Large gas resource volume confirmed – requires technology shift
- 3 Oilex driving technology shift – two horizontal wells already drilled and stimulated
- 4 India has declining domestic gas production and growing LNG imports
- 5 Oilex has ten year operating history in India with infrastructure in place
- 6 Legacy challenges being worked through one step at a time
- 7 Next step is drilling lower cost, dual target, C-78 vertical well



# SETTING THE SCENE





# OILEX

## BACKGROUND

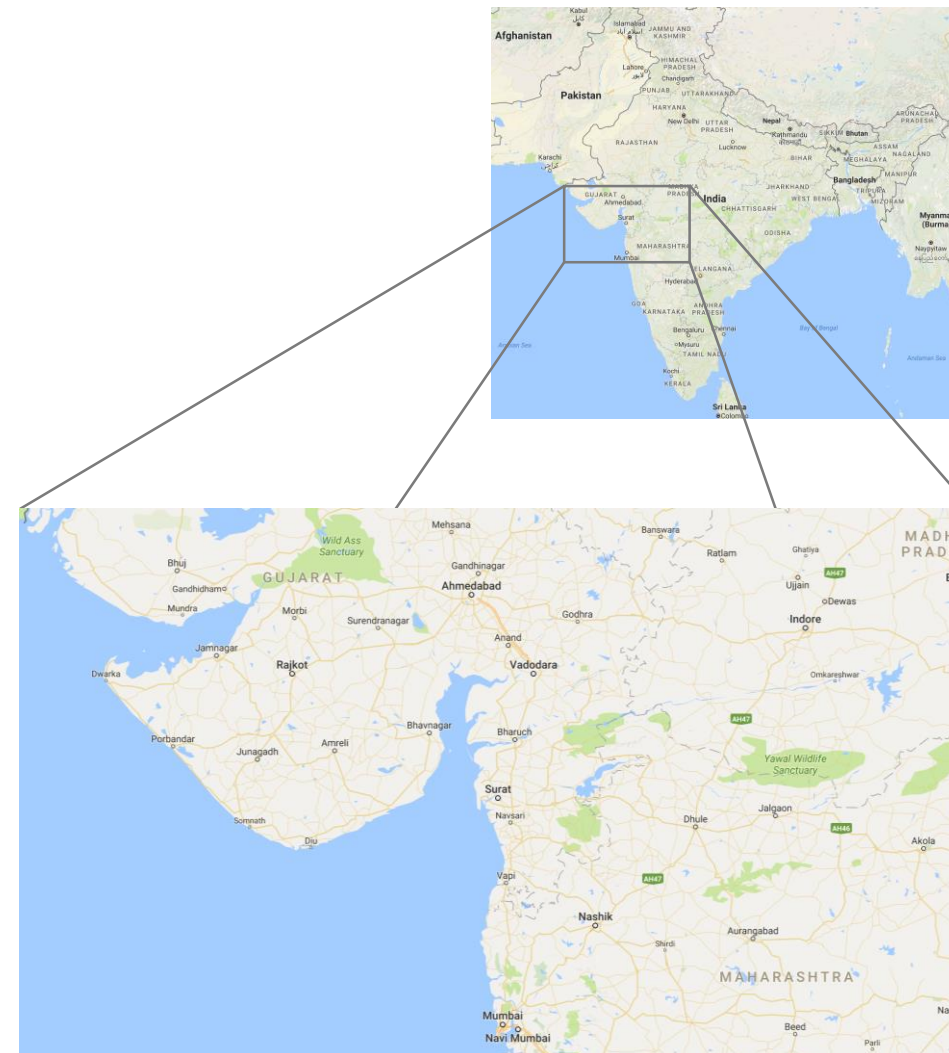
Head office in Perth, Western Australia

Project office in Gandhinagar, Gujarat, India

Main project in India, tight gas in prolific Cambay Basin

Operated in India for approximately 10 years including several wells drilled

Dual listed ASX & AIM



# COMPANY PROFILE

## REVITALISED TEAM

### BOARD & MANAGEMENT

<b>Max Cozijn</b>	<i>Non-executive Chairman</i> Over 35 years experience in administration of listed companies.
<b>Brad Lingo</b>	<i>Non-executive Director</i> Over 30 years of oil and gas leadership roles, a recognised oil and gas industry leader.
<b>Joe Salomon</b>	<i>Managing Director</i> Over 30 years experience in the upstream industry in senior management and technical positions in small and large companies. Experience in the Indian oil and gas industry over 20 years.
<b>Mark Bolton</b>	<i>Chief Financial Officer</i> Over 25 years experience the resources sector. Specialist in financing resource projects internationally with extensive experience in debt and equity markets in a number of jurisdictions including ASX, TSX, AIM and LSE.



### CAPITAL STRUCTURE

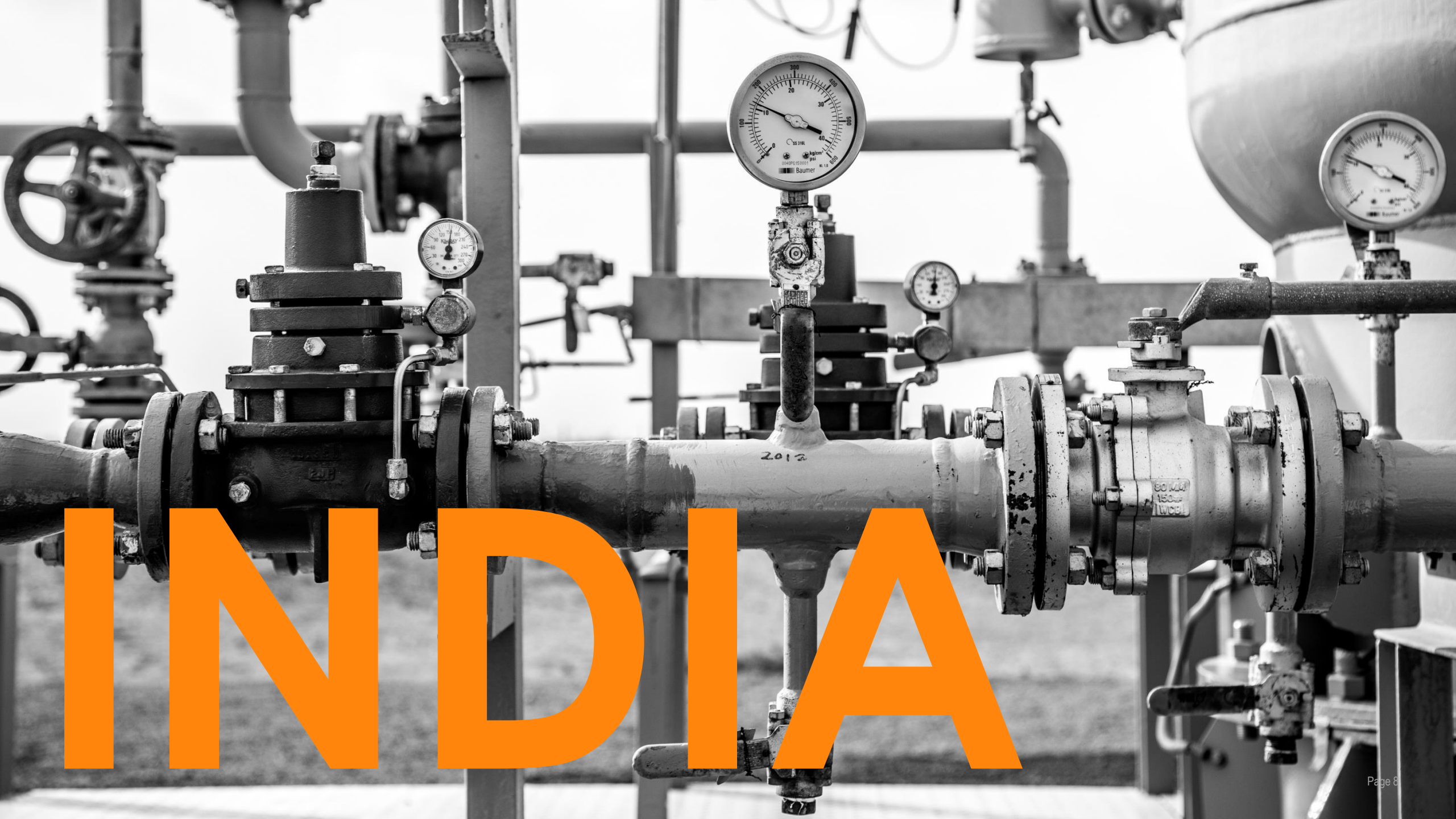
OEX	AIM	ASX
Share price (19 October 2016)	£0.0046	\$0.008
Market capitalisation (million)	£5.4	\$9.4
Ordinary shares (million)	1,180	
Unlisted options (million)	17.25	

### Substantial Shareholders:

Magna Energy Limited	10.15%
Zeta Resources Limited	10.28%







INDIA

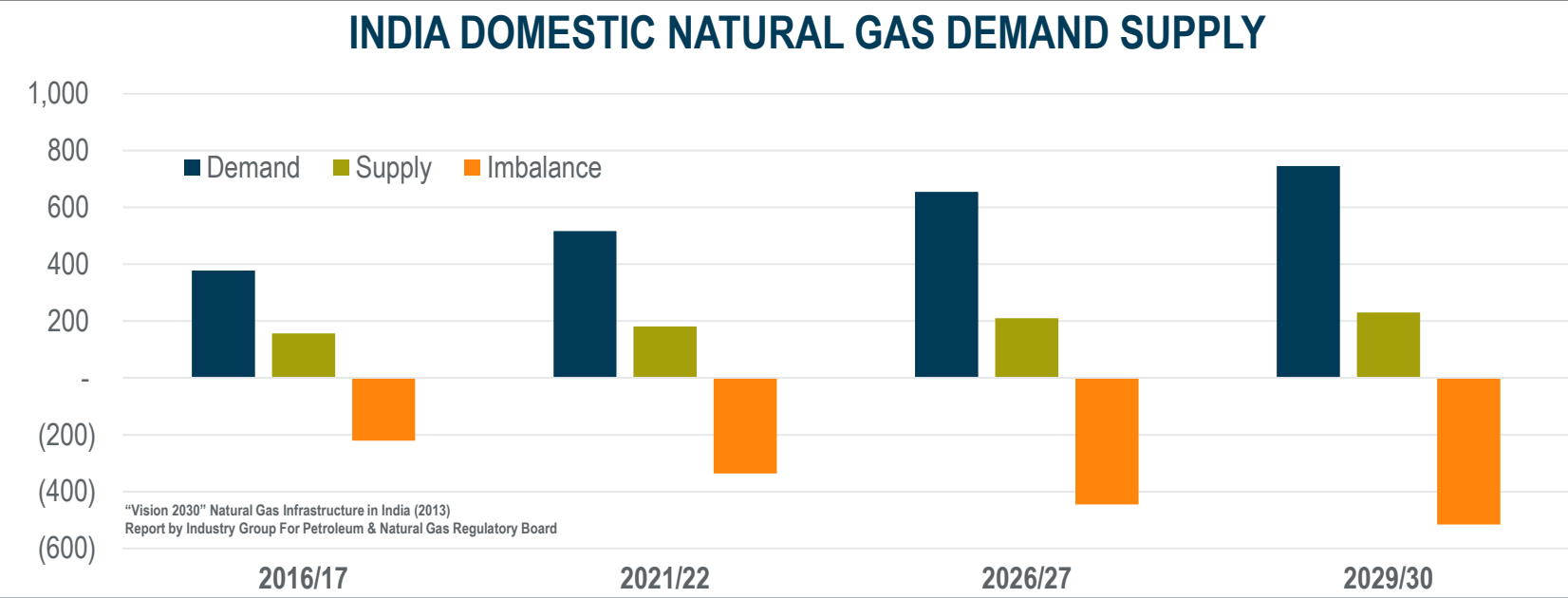


# WHY INDIA

## STRONG ENERGY FUNDAMENTALS

BP Statistical Review  
of World Energy June  
2015 and 2016 YOY

Primary energy consumption in India grew by 5.2% in 2015  
Domestic natural gas production fell 3.8% in 2015  
LNG imports increased by 14.8% in 2015



Gap between production and consumption forecast to grow over next decade



### India aims to double LNG import capacity to 50 mn tonnes a year

By PTI | Updated: Oct 13, 2016, 04:31 PM IST [Post a Comment](#)

[READ MORE ON](#) oil | LPG | Dharmendra Pradhan

NEW DELHI: India plans to more than double its annual LNG import capacity to 50 million tonnes in the next few years, Oil Minister Dharmendra Pradhan said today.

Also, as part of strategy to move towards a gas-based economy, the first LNG-driven bus is likely to start plying in Kerala early next month, he said.



The nation currently has capacity to import 21 million tonnes per annum of super-cooled gas (liquefied natural gas or LNG) in ships. This liquid gas is turned back into gaseous state, called regassification, before being supplied to customers like power plants.

Also, as part of strategy to move towards a gas-based economy, the first LNG-driven bus is likely to start plying in Kerala early next month, Dharmendra Pradhan said.

"We currently have LNG import and regassification capacity of 21 million tonnes. This we plan to raise to 50 million tonnes in the next few years," he said here.

While globally natural gas makes up for 24 per cent of the energy basket, it is just 6.5-7 per cent in India. "We would like to raise the share of natural gas in the energy basket to 15 per cent in the next 3-5 years," he said.



# PROJECT BACKGROUND

## SIZE OF THE PRIZE



# CAMBAY PROJECT

## LOCATION AND OWNERSHIP

40,000 acres

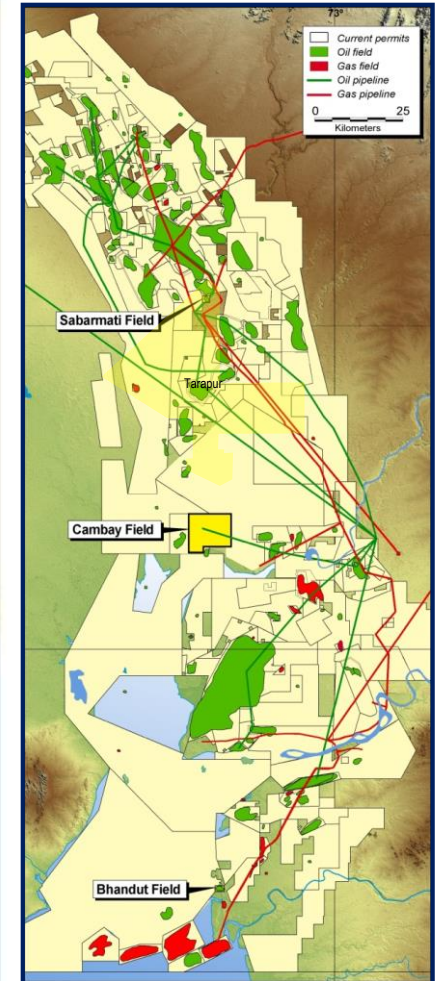
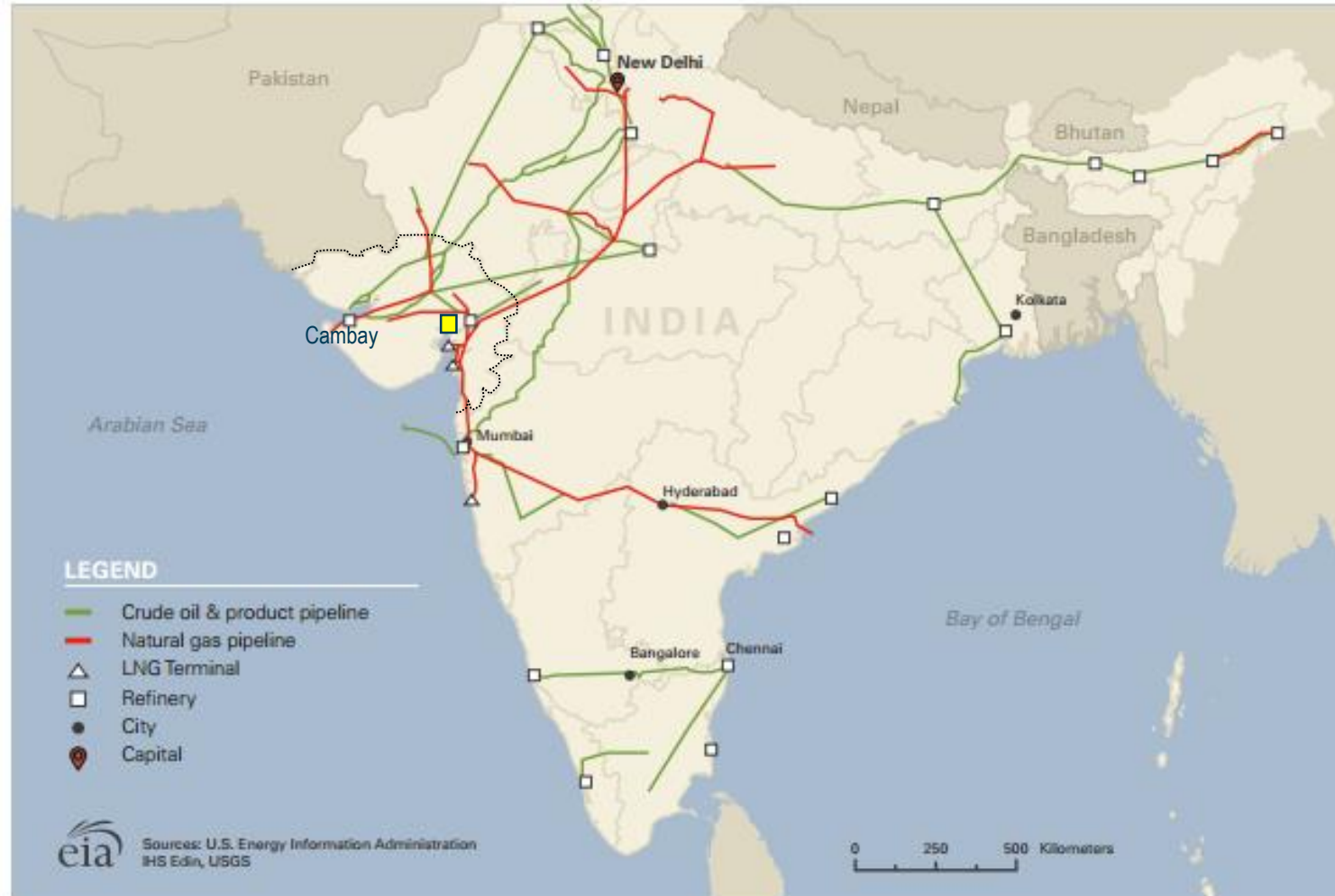
Nearby to national pipeline infrastructure

Gujarat State is one of India's major industrial regions.

Oilex – 45%

GSPC – 55%

Oilex is operator



# CAMBAY PROJECT

## MULTI-TCF TIGHT GAS PLAY

Gas in the ground is confirmed in multiple horizons, producing since 1957

Work historically focussed on production from shallower Miocene and Oligocene oil and gas pools (MBS & OS-II); potential for unswept areas remain

Oilex is targeting multi-TCF low permeability, wet gas zones in Eocene section in the EP-IV horizon

India lags in application of technology - opportunity to apply North American “shale” technology



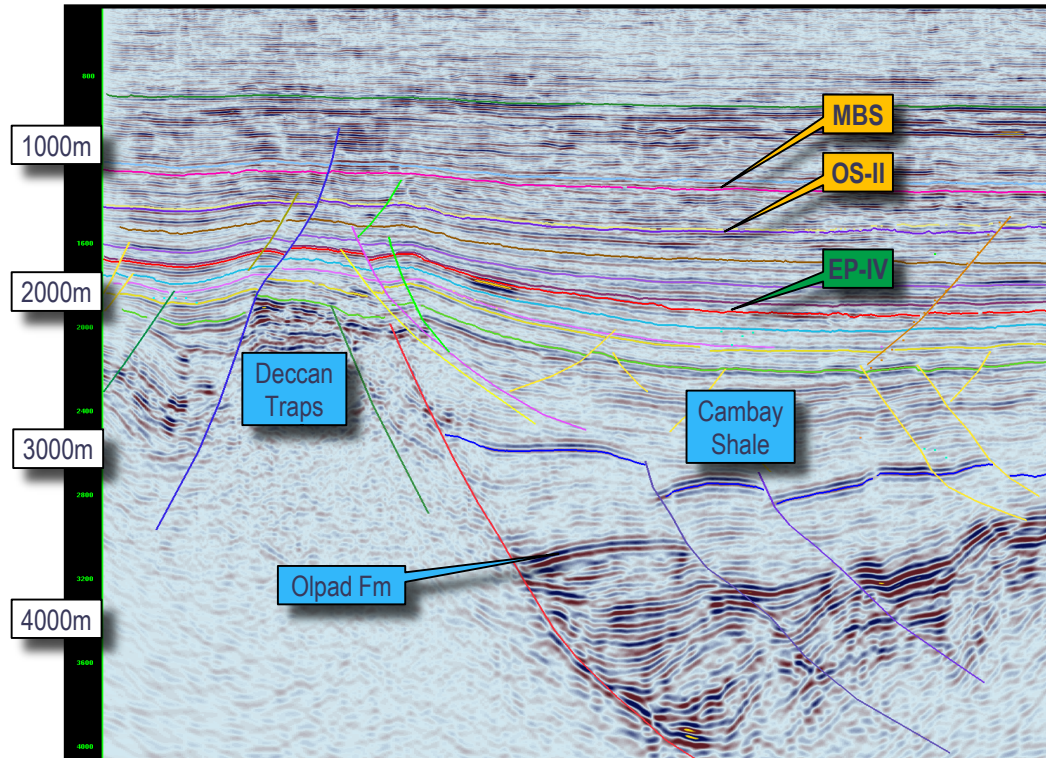


# CAMBAY FIELD

IDENTIFIED HYDROCARBONS: MULTIPLE HORIZONS

Hydrocarbon saturations and production in multiple zones in many old wells

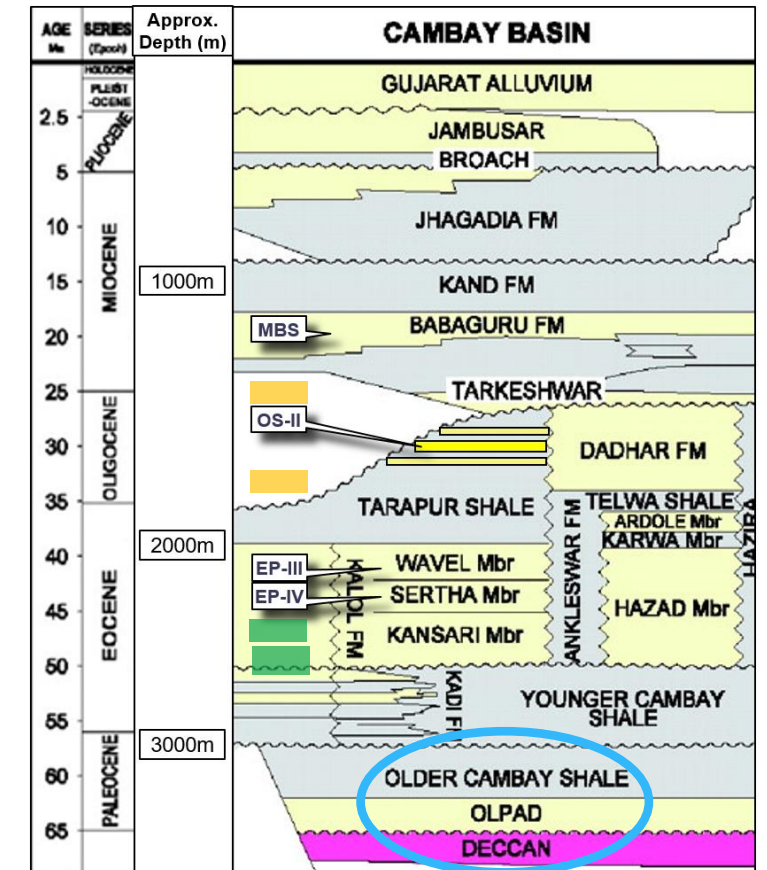
Entire contract area covered by quality 3D seismic



Conventional Production  
Potential unswept areas  
in OS-II

Tight Gas  
Multi-TCF Resource  
N American Technology

Exploration Upside  
Under-explored



# TIGHT GAS TARGET

## EP-III/IV SILTSTONE (X/Y ZONE)

Over 30 historic wells have intersected EP-IV in Cmbay PSC

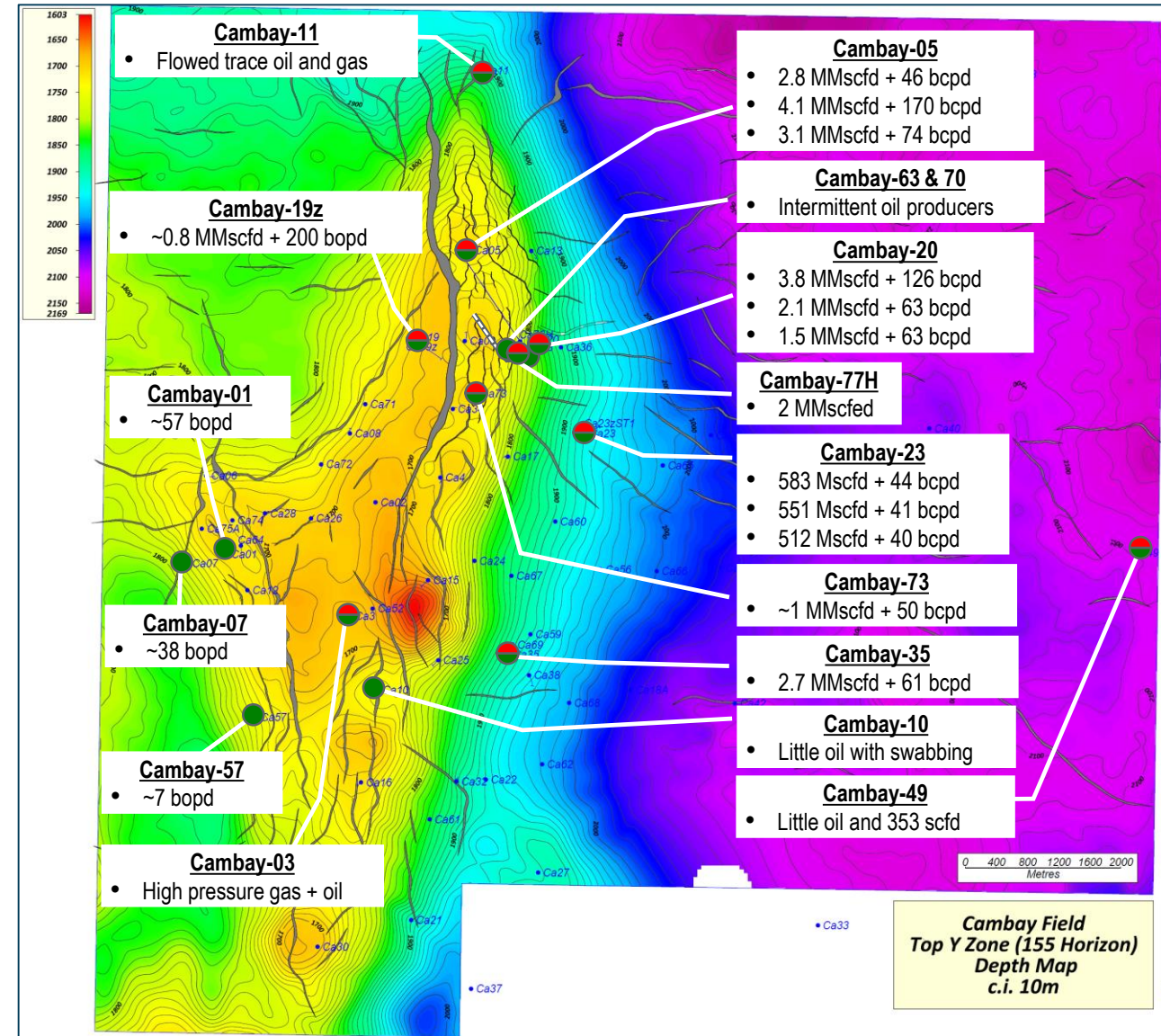
16 tested oil and gas to surface

Many of the remaining wells had indications of hydrocarbons

Oilex has drilled 2 horizontal multi-stage stimulated wells

C-76 well failed due to mechanical issues

Low rate production established from C-77 well





# RESOURCE STATEMENT

PREPARED BY RISC\*

## Contingent Resource for EP-III / IV (X / Y Zone) – 100%

Gas volume (bcf)			Condensate Volume (million bbl)		
1C	2C	3C	1C	2C	3C
478	926	1616	27	61	121

Table shows gross 100% recoverable volumes contingent on but not limited to: re-instating plan for drilling of additional wells, partner approvals, funding approvals, securing extension of the PSC post September 2019

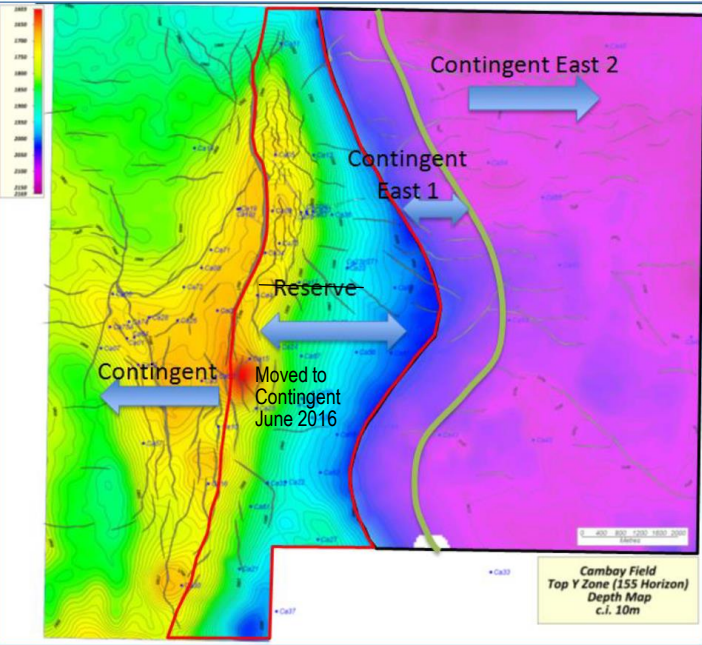
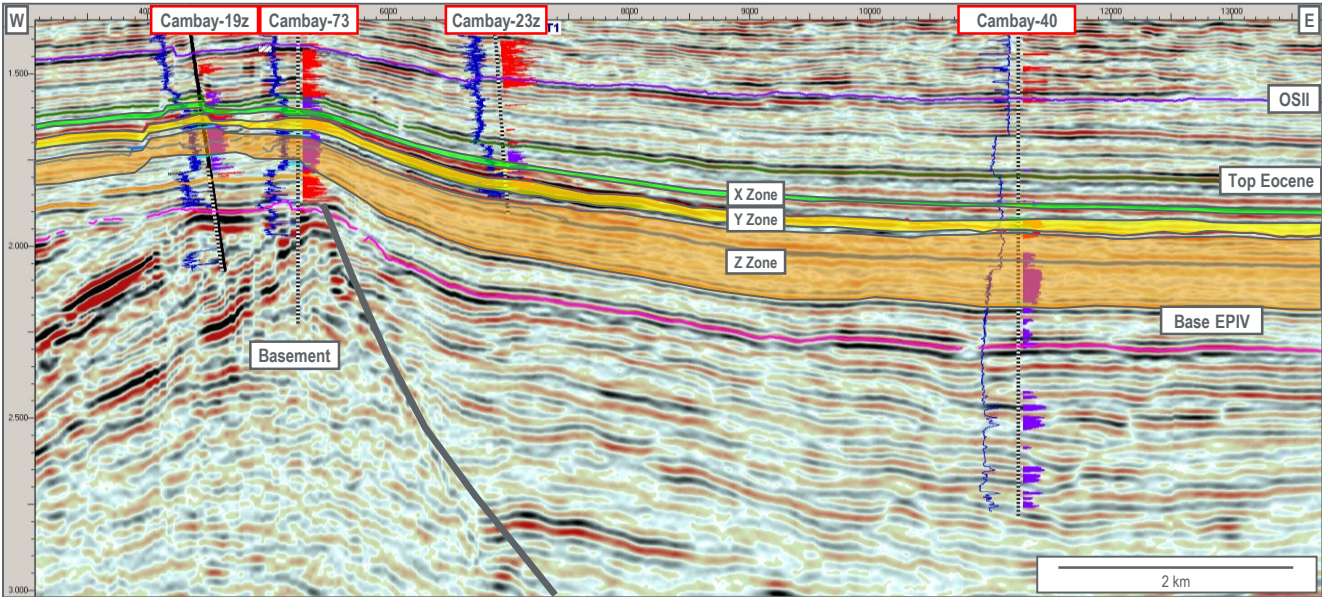


Figure 4-1 Y zone resource classification regions

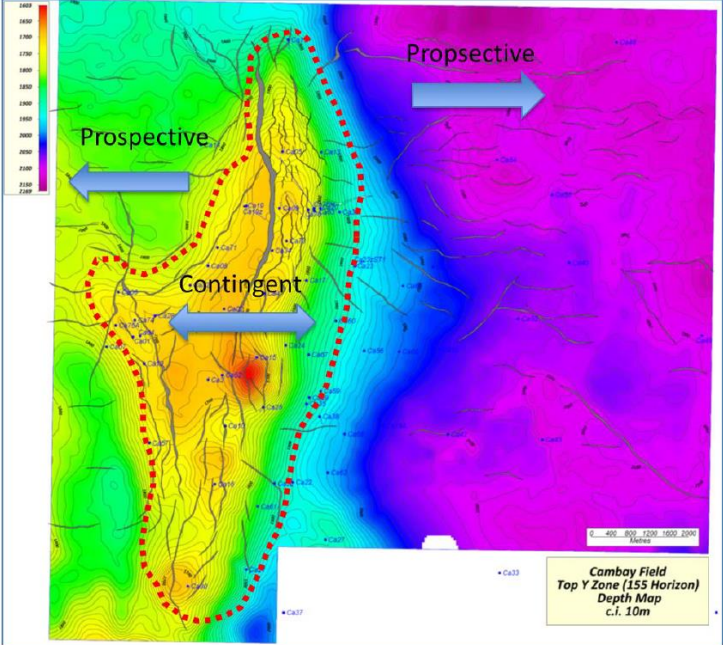


Figure 4-3 X zone resource classification regions

## Total Contingent and Prospective In Place Resources

Total resource (gross)		Gas in Place (bcf)			
Region	P90	P50	P10	Mean	
Y Total	1716	2519	3503	2573	
X Total	919	1733	2944	1851	
X and Y total	3141	4318	5806	4409	

## Probabilistically combined

Oilex confirms that it is not aware of new information or data that materially affects the information included in the ASX announcement dated 24 June 2016 and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.





# PATH FORWARD



# JOINT VENTURE TERMS

## AGREEMENT WITH GSPC FOR C-78 VERTICAL WELL

Oilex proposes to drill C-78 vertical well in 2017

Well to be sole fund / sole reward drilling program

Oilex pays 100% of costs, and earns 100% of revenue

GSPC has back-in right

Well C-78 will be undertaken in accordance with JOA terms and conditions

Parties have also undertaken to fast-track any required consents and or approvals required under the JOA



# TECHNICAL PLAN

## GAINING MOMENTUM

Proposed C-78 well has two objectives:

- Acquire EP-IV core to gather information on fluid saturations and optimal drilling, completions and stimulation technology
- Test shallower OS-II reservoir for potential production of unswept areas

Proposed workovers of existing OS-II wells – two wells under consideration

An OS-II success will provide the basis for a Field Development Plan (FDP):

- PSC expires in September 2019 and requires a FDP submission by September 2017 to secure an extension
- Two five year extensions possible under GoI policy

Subject to an extension of the PSC, Oilex proceed with a potential EP-IV tight gas development



Drilling Rig on Cambay-77H



# WELL SCHEMATIC

## C-78 DUAL OBJECTIVE

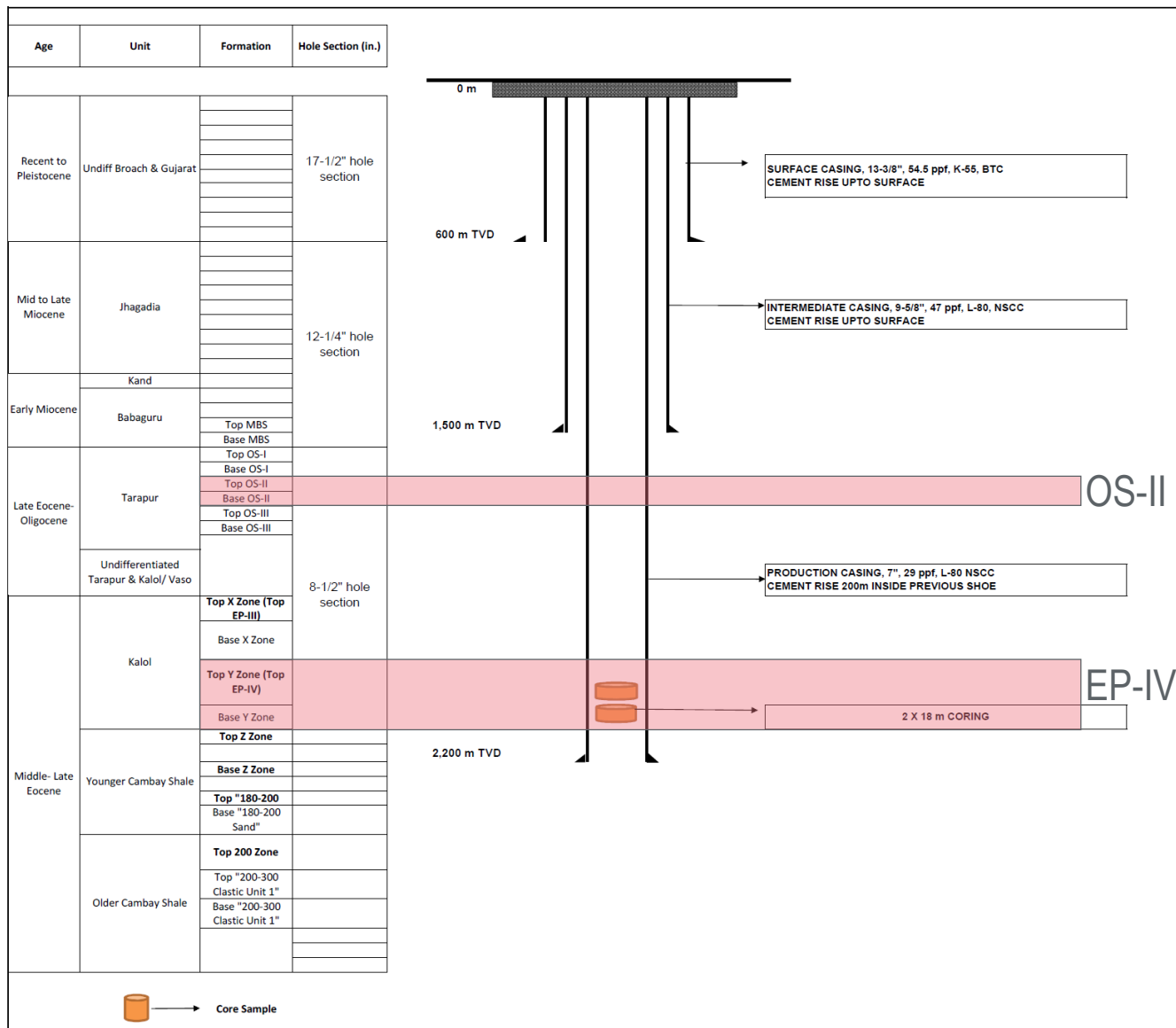
**Total depth estimated at approximately 2200 metres**

## OS-II estimated at 1650 metres

## Two 18 metre cores planned to be taken in the EP-IV

## Post core recovery, EP-IV to be isolated for possible production testing of the OS-II reservoir

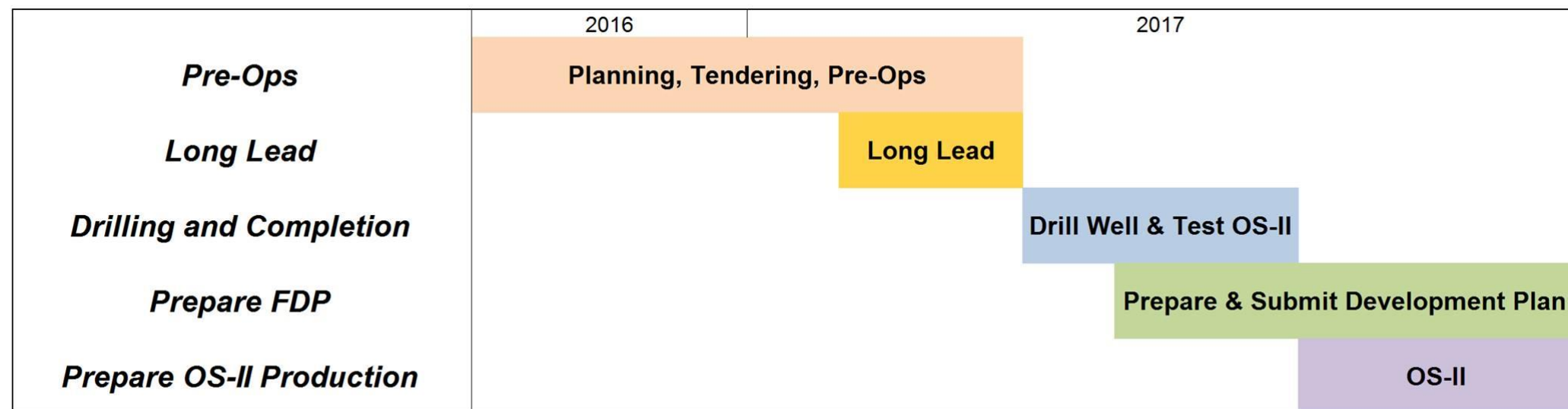
**EP-IV stimulation program to be undertaken at a later date subject to core analysis**



# DRILLING BUDGET AND TIMETABLE

## CURRENT ESTIMATE

Activity	US\$'000	Comments
Pre-operations and planning	50	Well design, tendering
Drilling and OS-II completion	2,371	Drilling, coring, OS-II completion
OS-II Testing	58	10 day test
Workovers	250	Up to two workovers
<b>Total</b>	<b>2,729</b>	Includes 10% contingency





# NEXT STEPS IN CAMBAY

**DILEX**LTD



# ACTIVITY PROGRAM

DRILL VERTICAL WELL IN 1H 2017

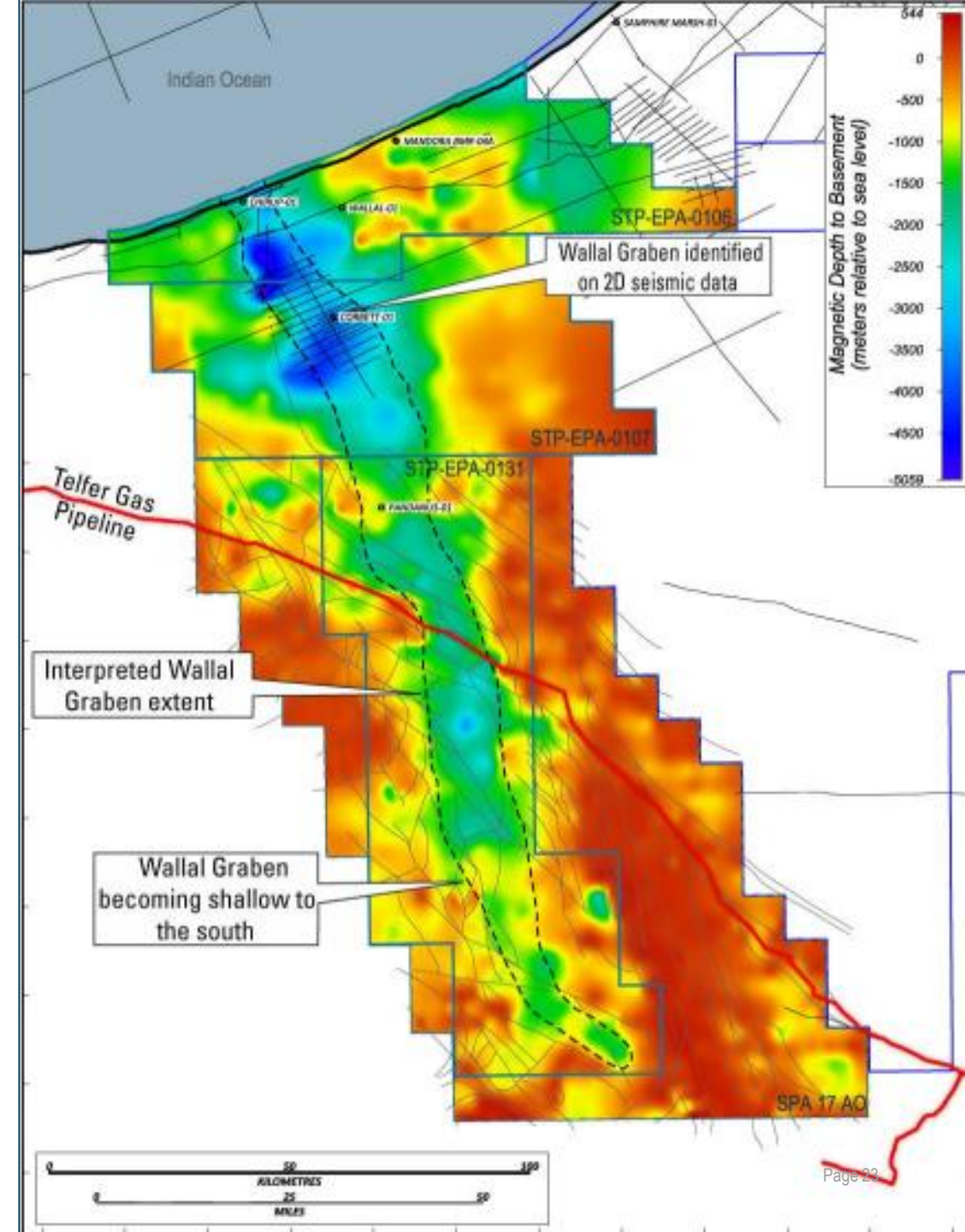
## Complete C-78 vertical well:

- acquire core to optimally design future EP-IV development drilling and gather information on hydrocarbon and water flow rates
- test shallower OS-II un-swept horizon
- prepare FDP to support PSC extension
- Subject to core analysis, conduct stimulation testing of EP-IV





# AUSTRALIAN EXPLORATION



# OILEX IN AUSTRALIA

LARGE EXPLORATION UPSIDE, CANNING BASIN, WA

Low cost entry

Access to entire sub-basin

Approximately 3 million acres

100% participating interest

Frontier exploration – East African Rift analogue

Multiple play types anticipated

Large structural closures

Extensive fan systems

Potential resource play

Seeking potential farm-in partners

Pending grant of permit and final acceptance by Oilex

