



**Annual General Meeting**  
9 November 2018



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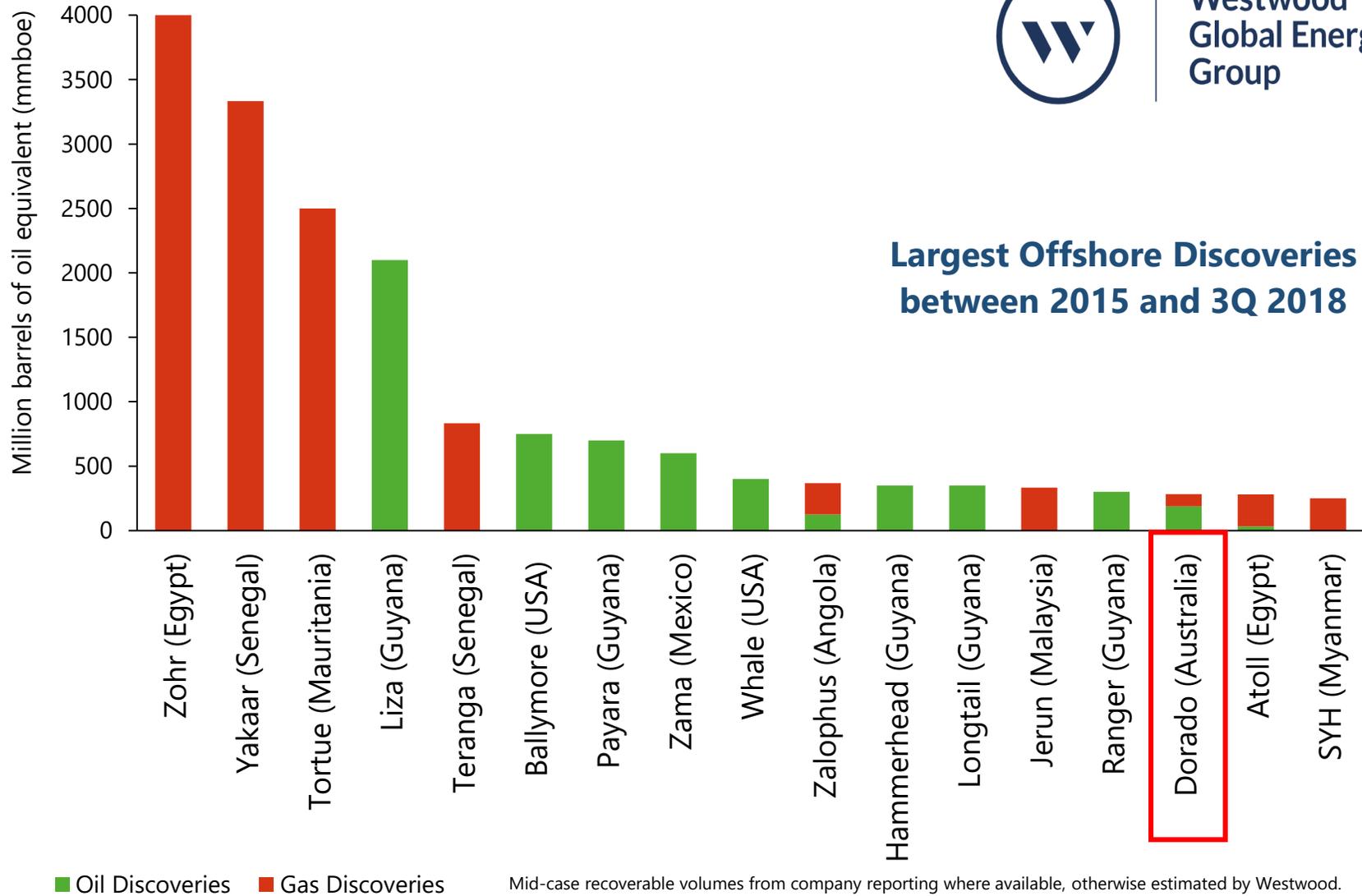
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# CARNARVON'S STRATEGY PRODUCED A WORLD CLASS DISCOVERY



Westwood  
Global Energy  
Group





### EARLY OIL

Potential early oil production cash flows could fund larger full field development

### LONG LIFE

Resource volumes could provide long life asset (362 mmboe gross 2C, with Roc)<sup>1</sup>

### WELL LOCATED

In shallow water, near gas infrastructure & support services

### DE-RISKED PLAY

With similar prospects nearby now being analyzed

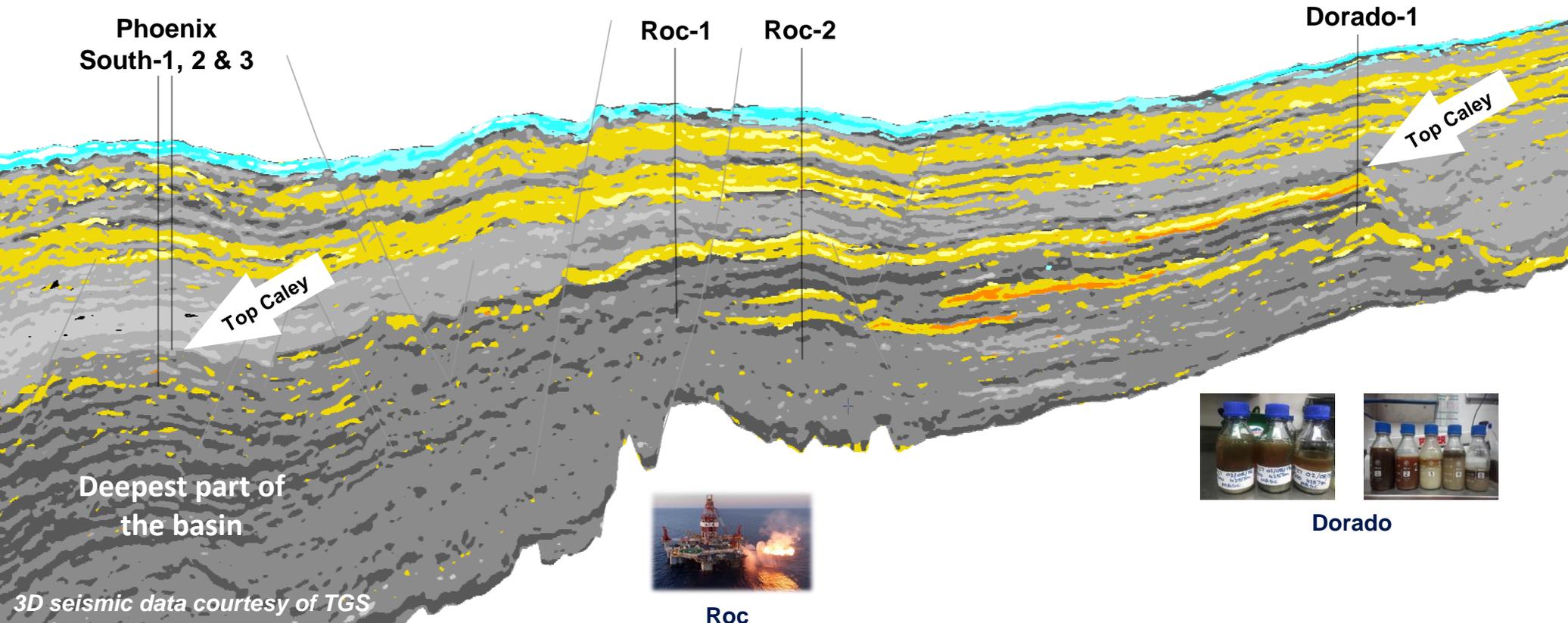
### PRODUCTION HUB

Could enable smaller prospects nearby to become highly profitable as a tie-in



**Petroleum system**  
**Reservoir quality**  
**Similar phasing**

prolific with hydrocarbons in all six wells drilled on 3D seismic data  
improves as intervals shallow in the middle & outer edge of the basin  
gas contains high levels of light "oils" & light oils contain high levels of gas



Roc

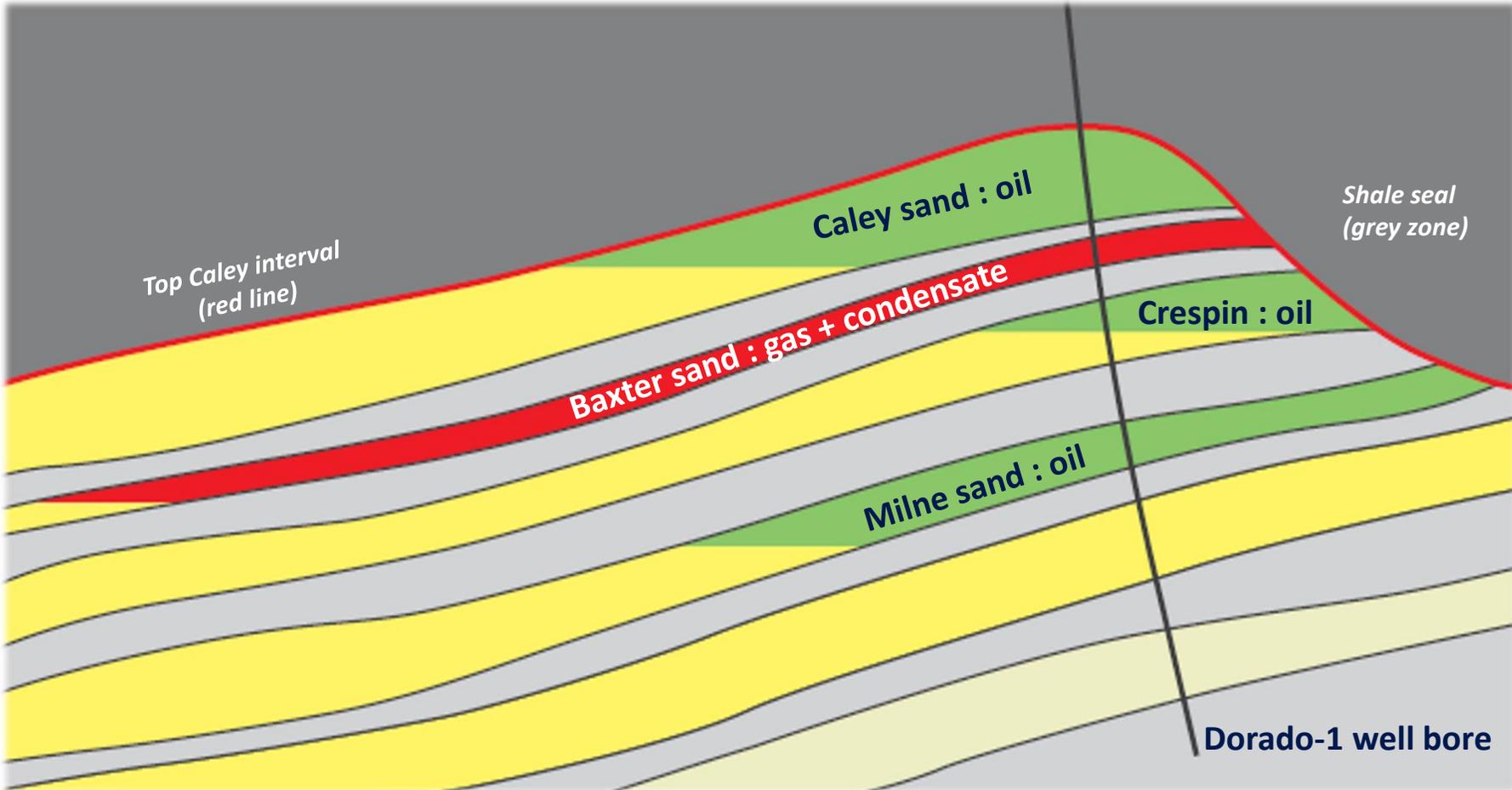


Dorado



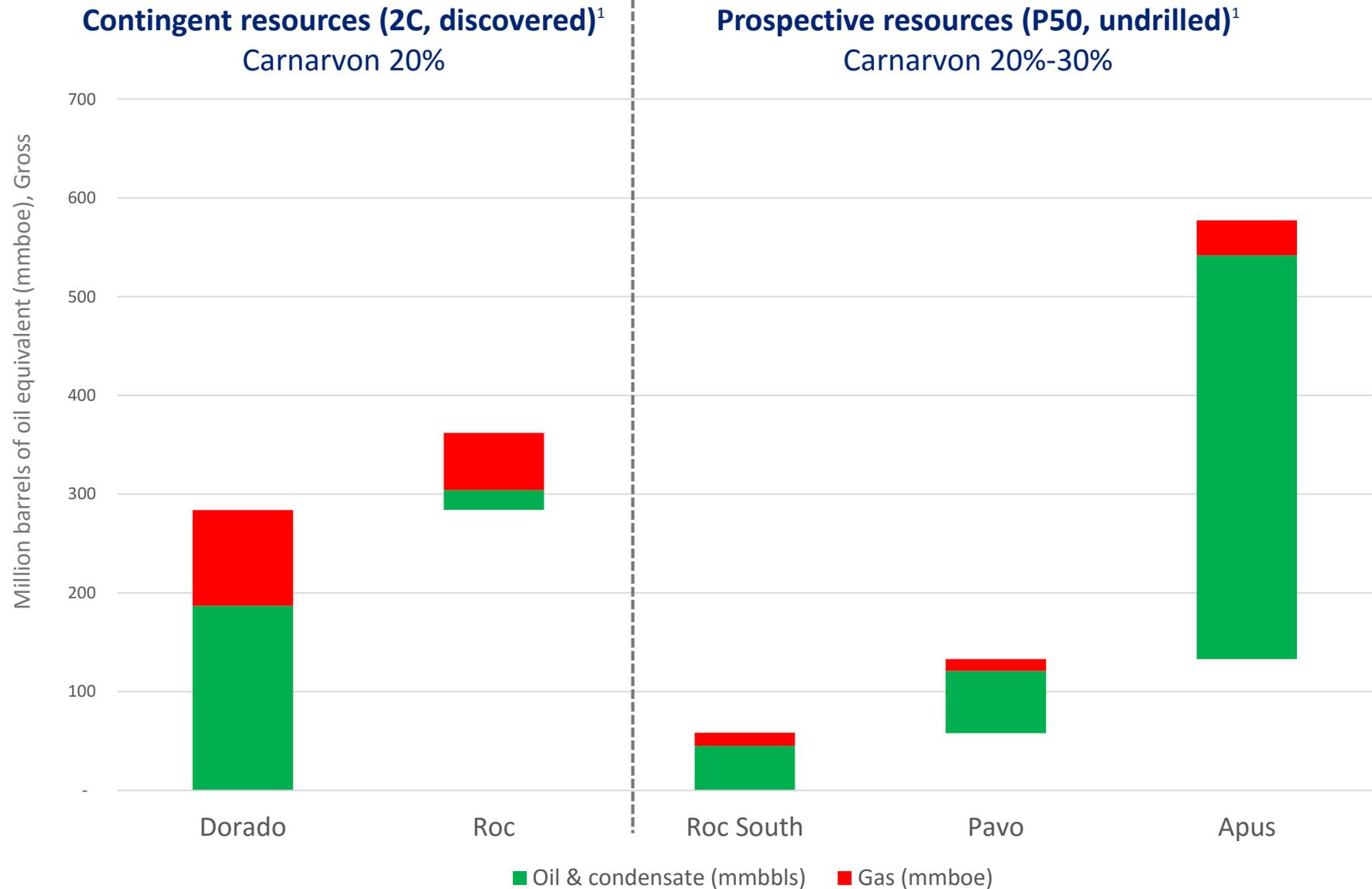
Phoenix South

Over 130 metres of net pay across four sands

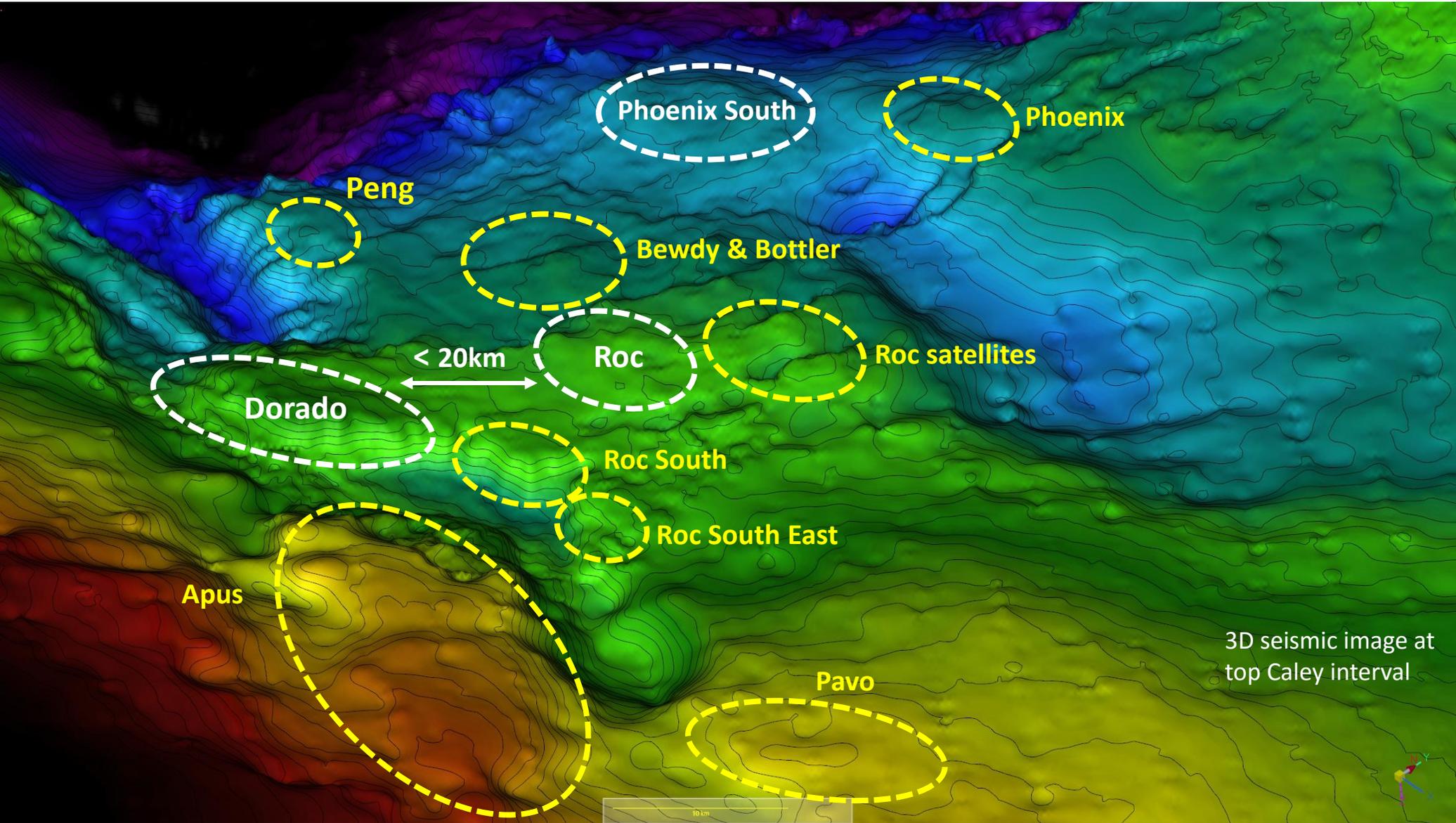


Highly successful flow test in late 2016



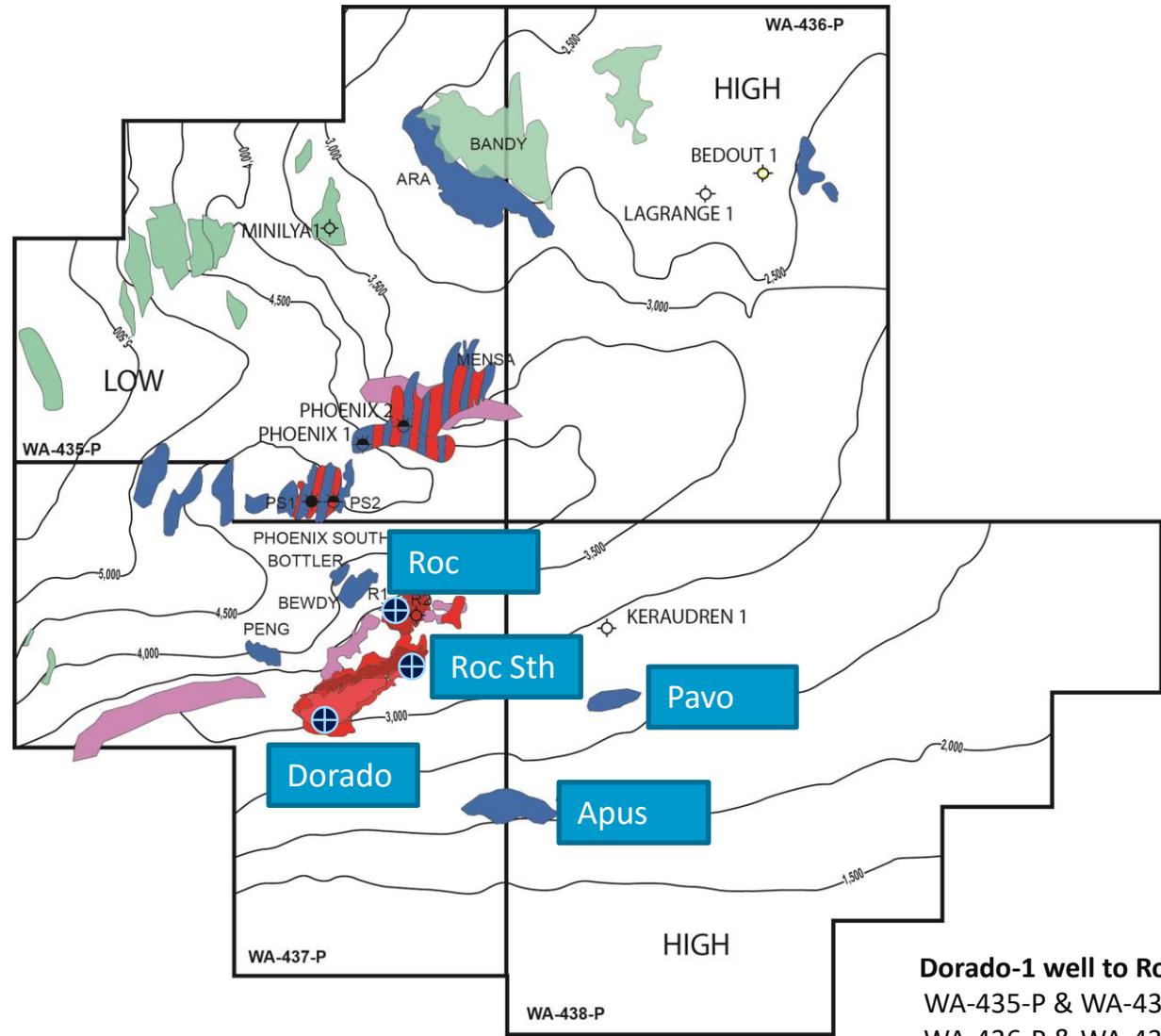


1. Refer Important Information on slides 18 to 19 regarding the above resources



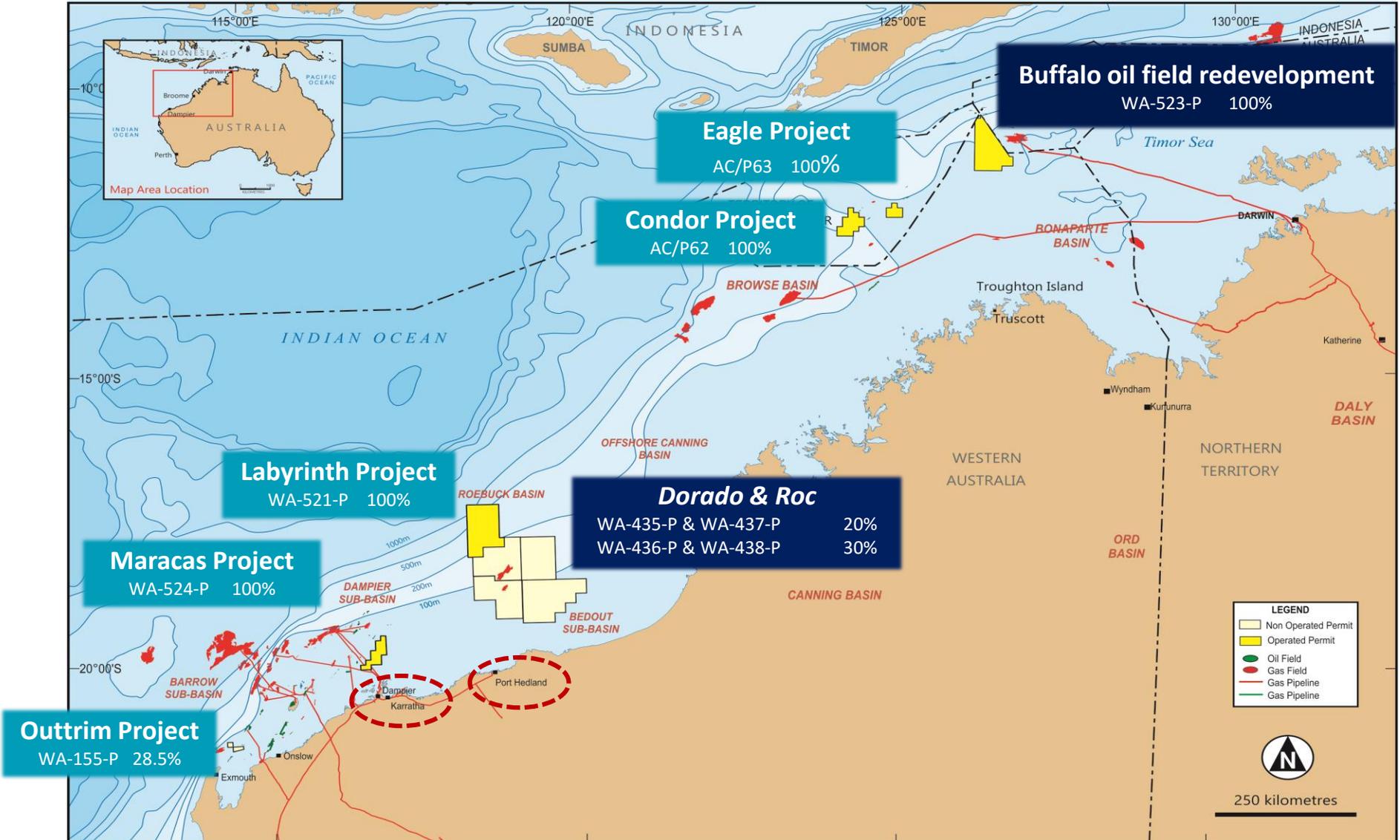
3D seismic image at top Caley interval

# THE ENTIRE HYDROCARBON SUB-BASIN COVERED IN FOUR PERMITS

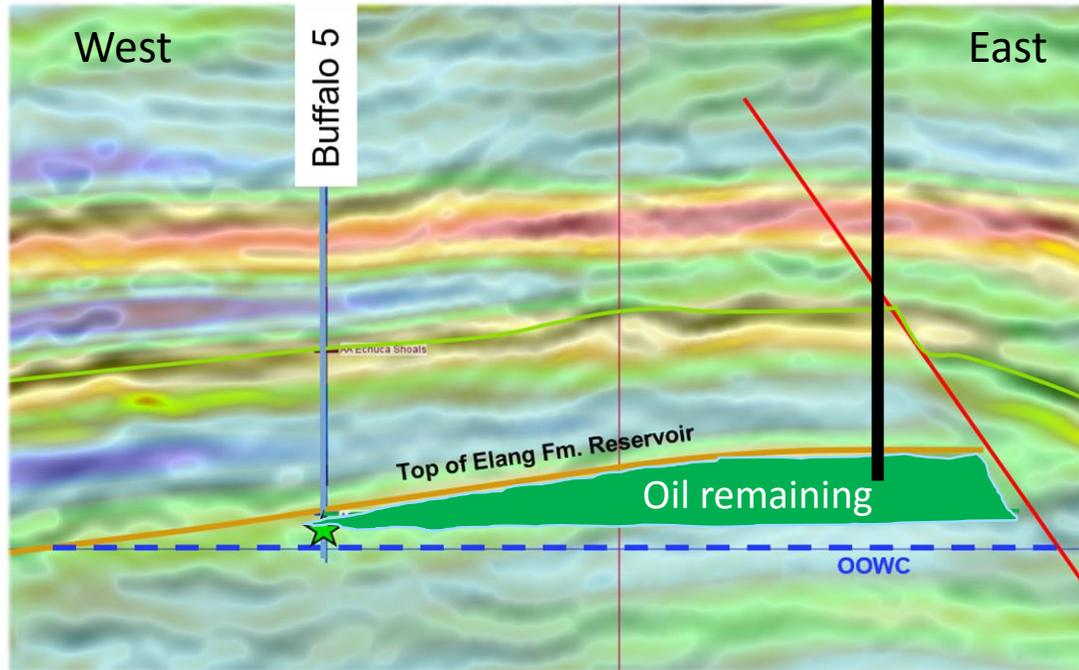
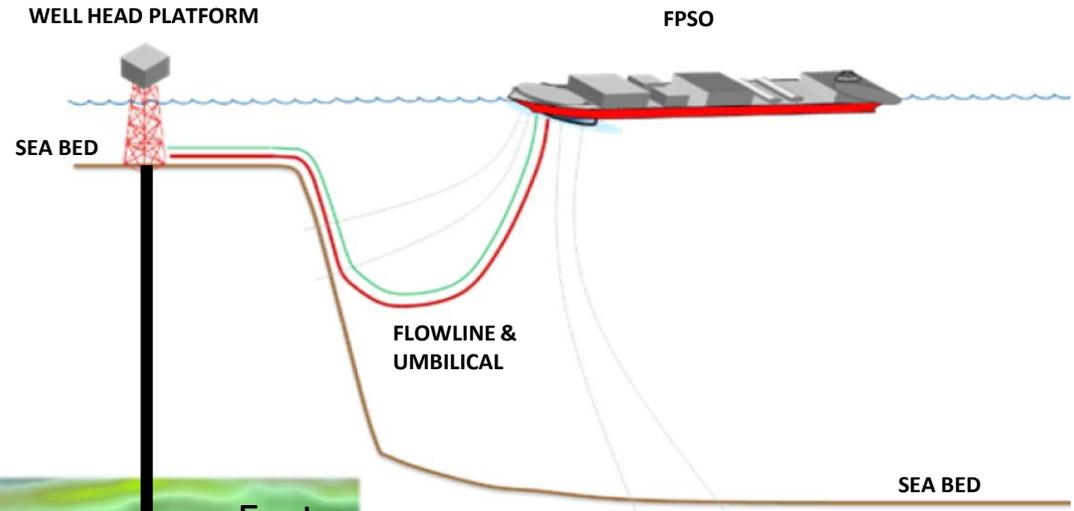


**Dorado-1 well to Roc-1 well is ~ 20 kilometres**  
 WA-435-P & WA-437-P      20% Carnarvon  
 WA-436-P & WA-438-P      30% Carnarvon

# EXTENSIVE SHALLOW WATER PORTFOLIO



A low risk / high margin opportunity



## Conventional shallow water development

Capital cost of ~US\$150m

Operating costs of ~US\$80 – 100m p.a. assuming a 4-5 year production life.

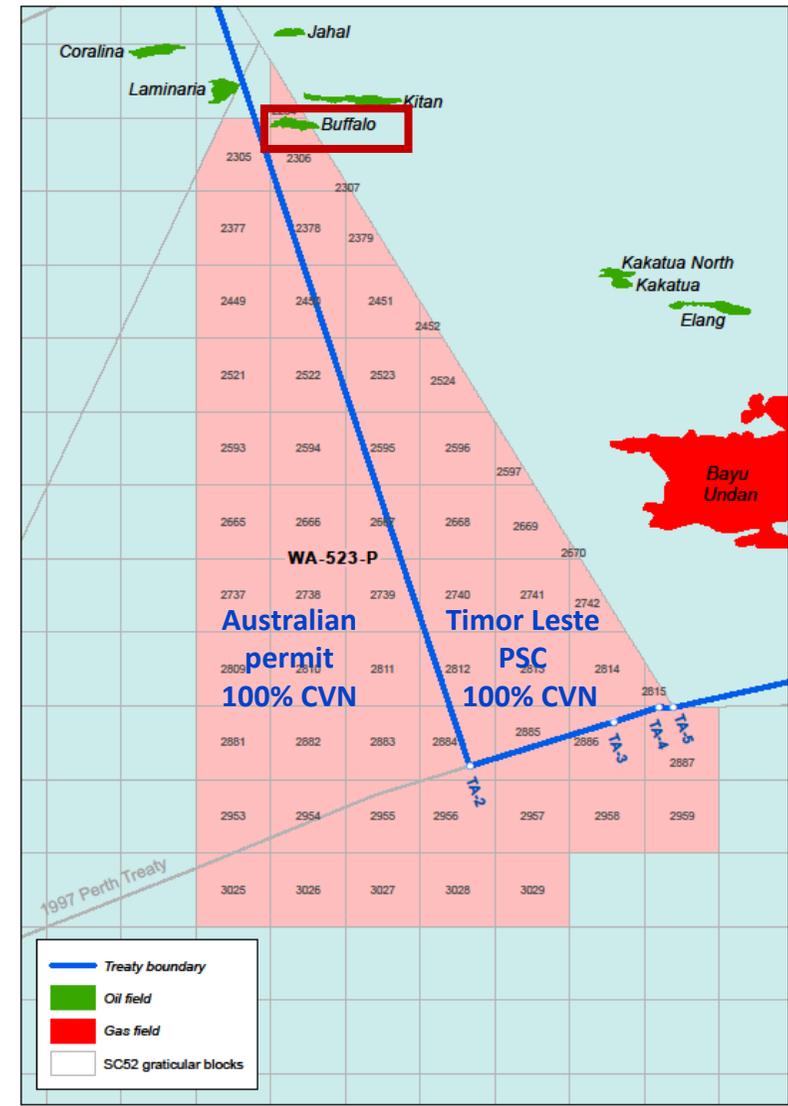
*Capital and operating costs are based on independent scoping studies commissioned by Carnarvon for the purpose of undertaking an initial economic assessment of the project's commercial viability.*



**PSC negotiations are well advanced**  
**Planning & approvals on track to drill in 2019**  
**Investigating partnering to assist with financing**

Contingent resources <sup>1</sup>		1C	2C	3C
Oil remaining	MMbbl	15	31	48

**New maritime boundary line**



1. Refer Important Information on slides 18 & 19 regarding the above resources



### DORADO-2 WELL<sup>1</sup>

Assess the extent of the resources within the Dorado structure

### DORADO-3 WELL<sup>1</sup>

Further assess reservoir & hydrocarbons for development planning

### DEVELOPMENT<sup>1</sup>

Planning around early oil production to be advanced to achieve 2020 FID

### BUFFALO WELL

Secure the PSC, drill the first well & secure appropriate project financing

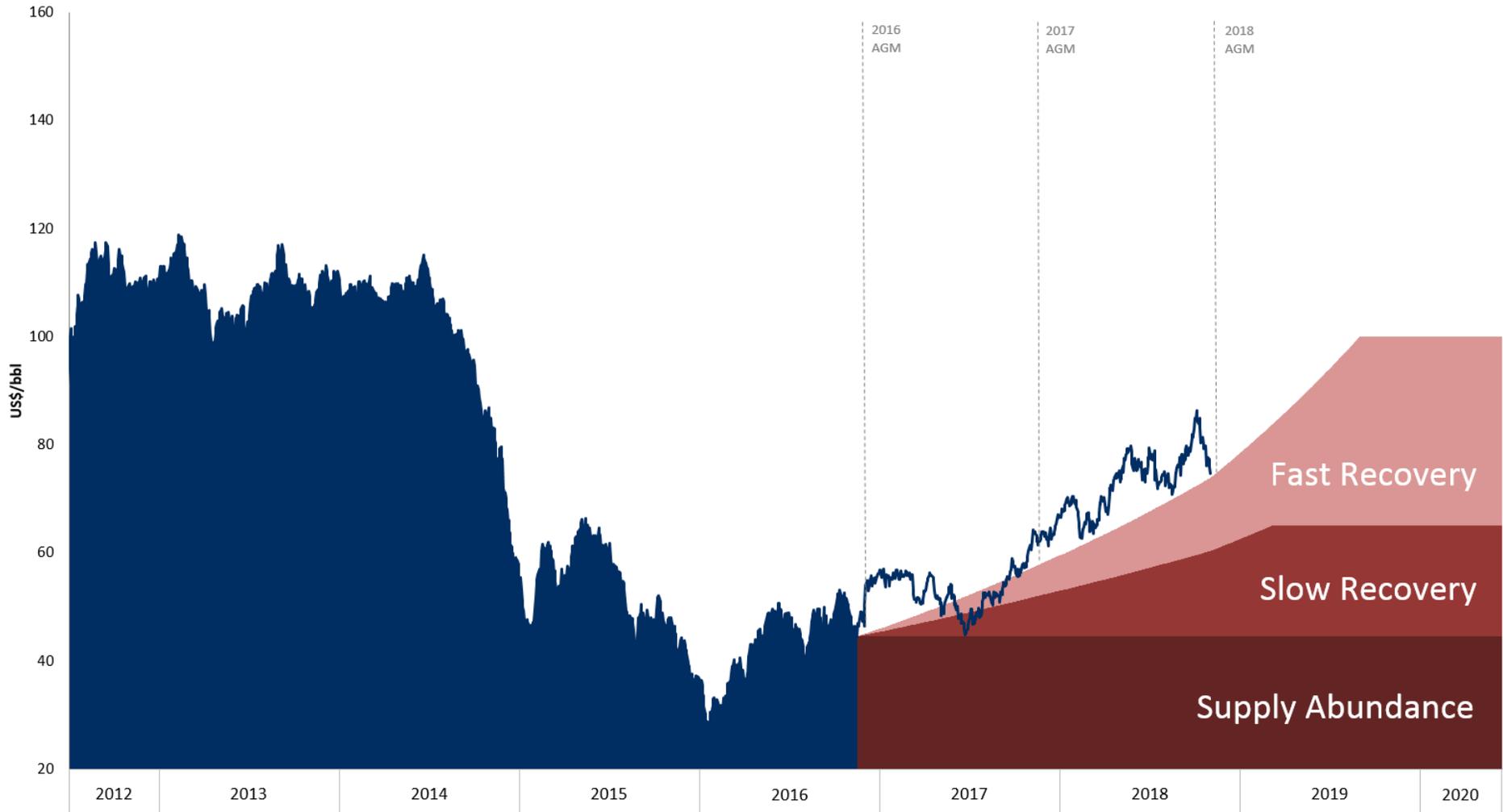
### FARM OUT

Advance the current Labyrinth project farm out by introducing a partner

# CHANGES IN OIL PRICES CREATE OPPORTUNITY



McKinsey & Company, Energy Insights, “Leading in Turbulent Times”,  
P. Graham, N. Sharma and C. Therkelsen (2016)





### OIL EXPOSURE

Nicely weighted oil price exposure with ~60% of resources in clean light oil

### CAPITAL RECYCLING

Three developments staged enable cash flows from one project to fund the next

### LOW COST

We hold low cost assets expected to be robust through commodity price cycles

### INCREDIBLY RARE

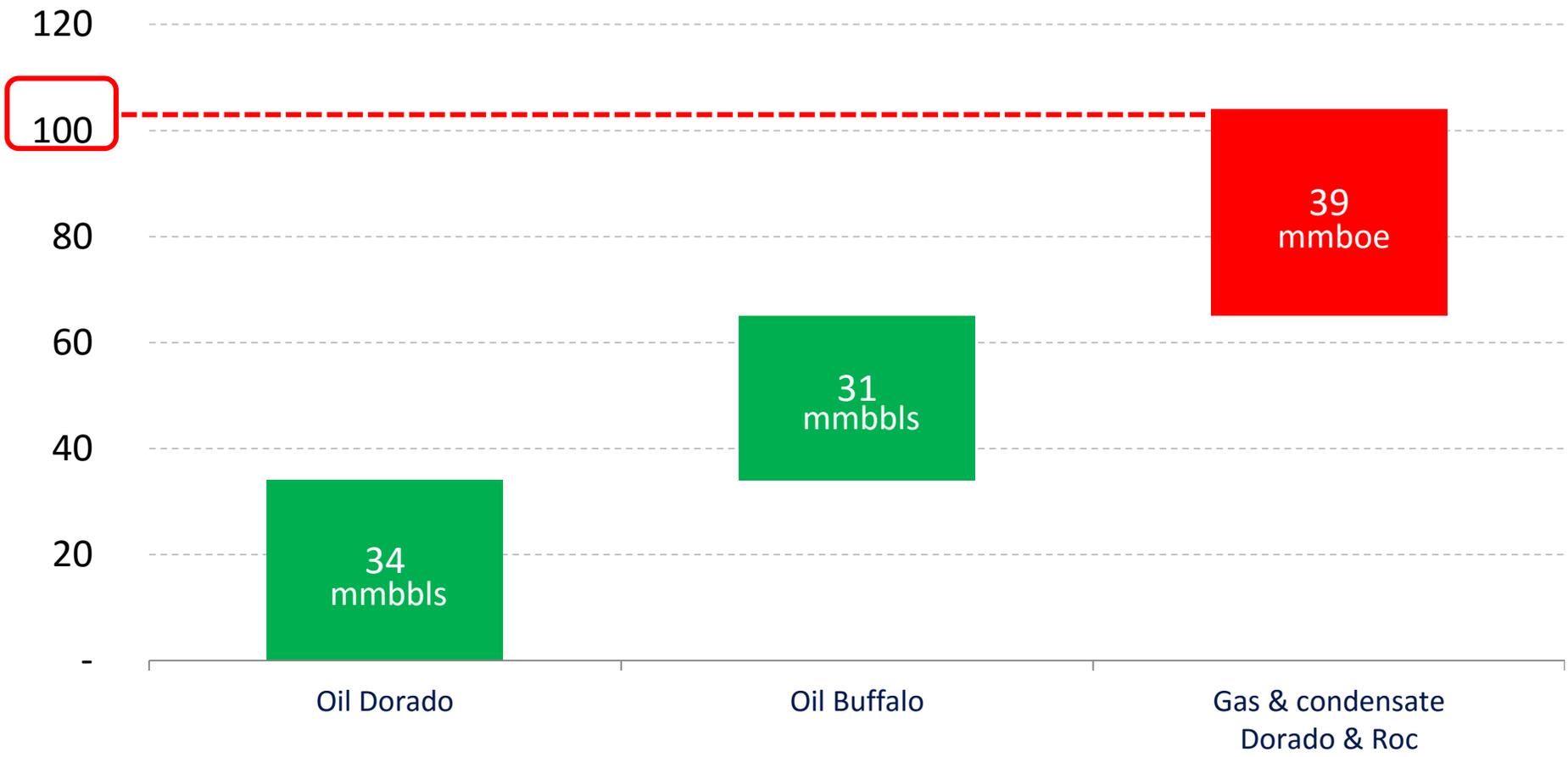
To hold a world class discovery, in a whole new basin, in a low risk country

### SIGNIFICANT GROWTH

In the portfolio from de-risked Dorado like prospects to large new farm out plays



Carnarvon has over 100 million barrels in discovered Contingent Resources<sup>1</sup>



Million barrels of oil (mmbbl) & oil equivalent (mmboe) on a 2C basis net to Carnarvon

1. Refer Important Information on slides 18 to 19 regarding the above resources



## Gross Contingent Resources (100% basis)

	Light Oil			Natural Gas			Condensate			Barrels of Oil Equivalent		
	MMbbl			BCF			MMbbl			MMboe		
	1C	2C	3C	1C	2C	3C	1C	2C	3C	1C	2C	3C
Dorado	82	171	320	229	552	1,197	6	16	36	128	283	566
Roc	-	-	-	205	332	580	12	20	35	48	78	137
Phoenix South	7	17	30	-	-	-	-	-	-	7	17	30
Phoenix	2	7	16	-	-	-	-	-	-	2	7	16
<b>Phoenix Project Sub-Total</b>	<b>91</b>	<b>195</b>	<b>366</b>	<b>434</b>	<b>884</b>	<b>1,777</b>	<b>18</b>	<b>36</b>	<b>71</b>	<b>185</b>	<b>385</b>	<b>748</b>
Buffalo	15	31	48	-	-	-	-	-	-	15	31	48

## Net Contingent Resources (CVN's share)

	Light Oil			Natural Gas			Condensate			Barrels of Oil Equivalent		
	MMbbl			BCF			MMbbl			MMboe		
	1C	2C	3C	1C	2C	3C	1C	2C	3C	1C	2C	3C
Dorado	17	34	64	46	110	240	1	3	7	26	57	113
Roc	-	-	-	41	66	116	2	4	7	10	16	27
Phoenix South	1	3	6	-	-	-	-	-	-	1	3	6
Phoenix	0	1	3	-	-	-	-	-	-	0	1	3
<b>Phoenix Project Sub-Total</b>	<b>19</b>	<b>39</b>	<b>73</b>	<b>87</b>	<b>176</b>	<b>356</b>	<b>3</b>	<b>7</b>	<b>14</b>	<b>37</b>	<b>77</b>	<b>149</b>
Buffalo	15	31	48	-	-	-	-	-	-	15	31	48
<b>Total</b>	<b>34</b>	<b>70</b>	<b>121</b>	<b>87</b>	<b>176</b>	<b>356</b>	<b>3</b>	<b>7</b>	<b>14</b>	<b>52</b>	<b>108</b>	<b>197</b>



## Gross Prospective Resources (100% basis)

	Light Oil				Natural Gas				Barrels of Oil Equivalent				Pg
	MMbbl				BCF				MMboe				%
	P90	P50	Mean	P10	P90	P50	Mean	P10	P90	P50	Mean	P10	
<b>Roc South</b>	9	45	56	118	15	76	100	217	12	59	74	156	63%
<b>Pavo</b>	11	63	82	179	3	31	108	249	11	68	101	223	34%
<b>Apus Caley<sup>i</sup></b>	12	91	125	279	3	44	163	373	12	98	154	344	21%
<b>Apus Baxter<sup>i</sup></b>	6	52	105	278	2	27	139	302	6	57	129	331	21%
<b>Apus Crespin<sup>i</sup></b>	7	103	161	391	2	48	212	474	7	111	198	474	21%
<b>Apus Milne<sup>i</sup></b>	32	163	221	483	8	82	291	654	34	177	272	598	21%
<b>Phoenix Project Total</b>	<b>77</b>	<b>517</b>	<b>750</b>	<b>1728</b>	<b>32</b>	<b>308</b>	<b>1013</b>	<b>2269</b>	<b>82</b>	<b>571</b>	<b>928</b>	<b>2126</b>	

## Net Prospective Resources (CVN's share)

	Light Oil				Natural Gas				Barrels of Oil Equivalent				Pg
	MMbbl				BCF				MMboe				%
	P90	P50	Mean	P10	P90	P50	Mean	P10	P90	P50	Mean	P10	
<b>Roc South</b>	2	9	11	24	3	15	20	43	2	12	15	31	63%
<b>Pavo</b>	3	19	25	54	1	9	32	75	3	20	30	67	34%
<b>Apus Caley<sup>i</sup></b>	2	18	25	56	1	9	33	75	2	20	31	69	21%
<b>Apus Baxter<sup>i</sup></b>	1	12	24	63	-	6	31	68	1	13	29	74	21%
<b>Apus Crespin<sup>i</sup></b>	2	25	39	96	1	12	52	116	2	27	49	116	21%
<b>Apus Milne<sup>i</sup></b>	8	41	55	121	2	21	73	164	8	44	68	149	21%
<b>Phoenix Project Total</b>	<b>18</b>	<b>124</b>	<b>179</b>	<b>412</b>	<b>7</b>	<b>72</b>	<b>241</b>	<b>540</b>	<b>20</b>	<b>136</b>	<b>221</b>	<b>507</b>	

(i) Note Apus prospect lies across WA-437-P and WA-438-P in which Carnarvon has 20% and 30% equity respectively



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**ACT DIFFERENT**