



anp
Agência Nacional
do Petróleo,
Gás Natural e Biocombustíveis

Avaliação Geológica do Bloco Sudoeste de Tartaruga Verde

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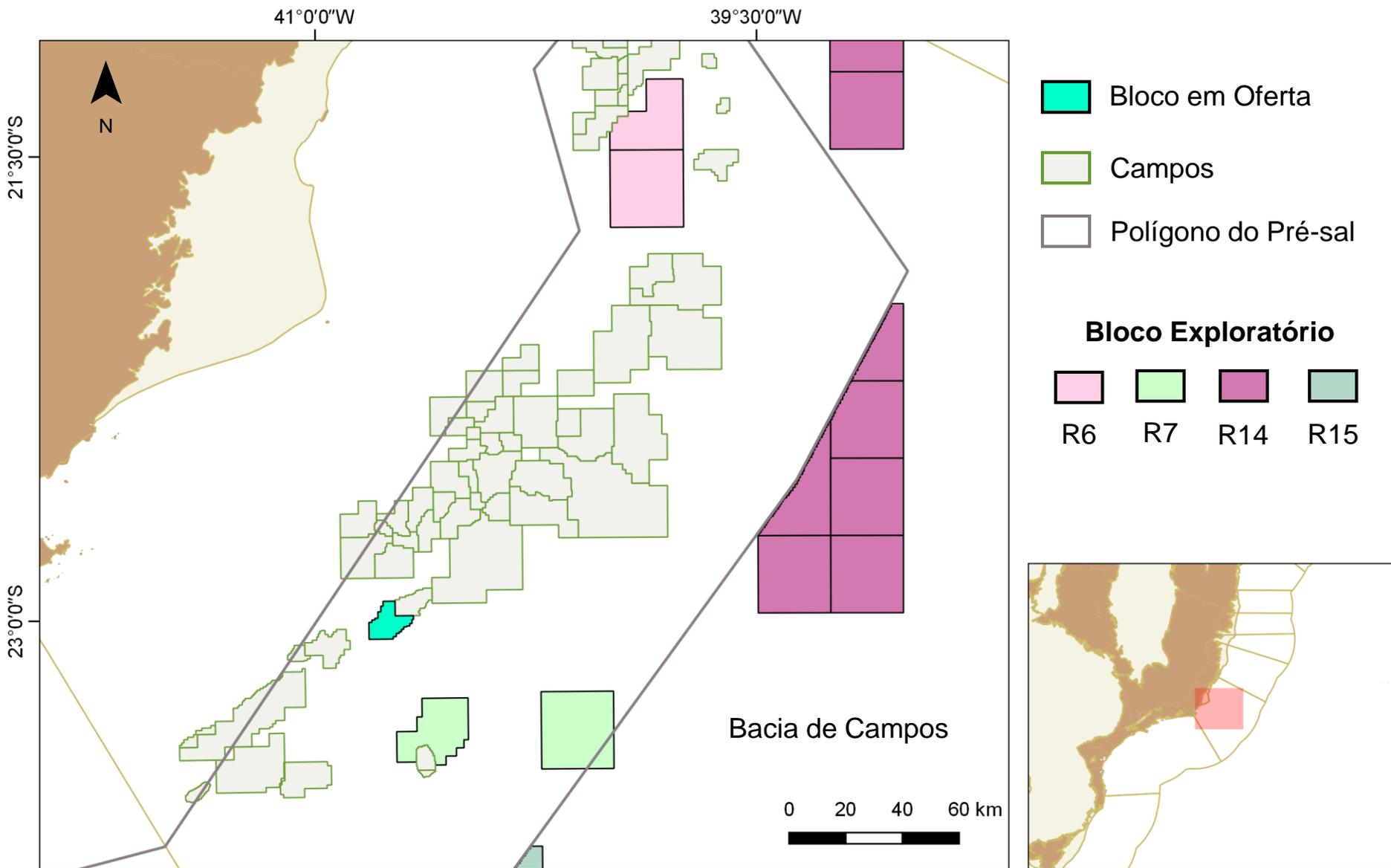
Roteiro

- 1 Introdução
- 2 Métodos de Trabalho
- 3 Avaliação Geológica de Sudoeste de Tartaruga Verde
- 4 Conclusões

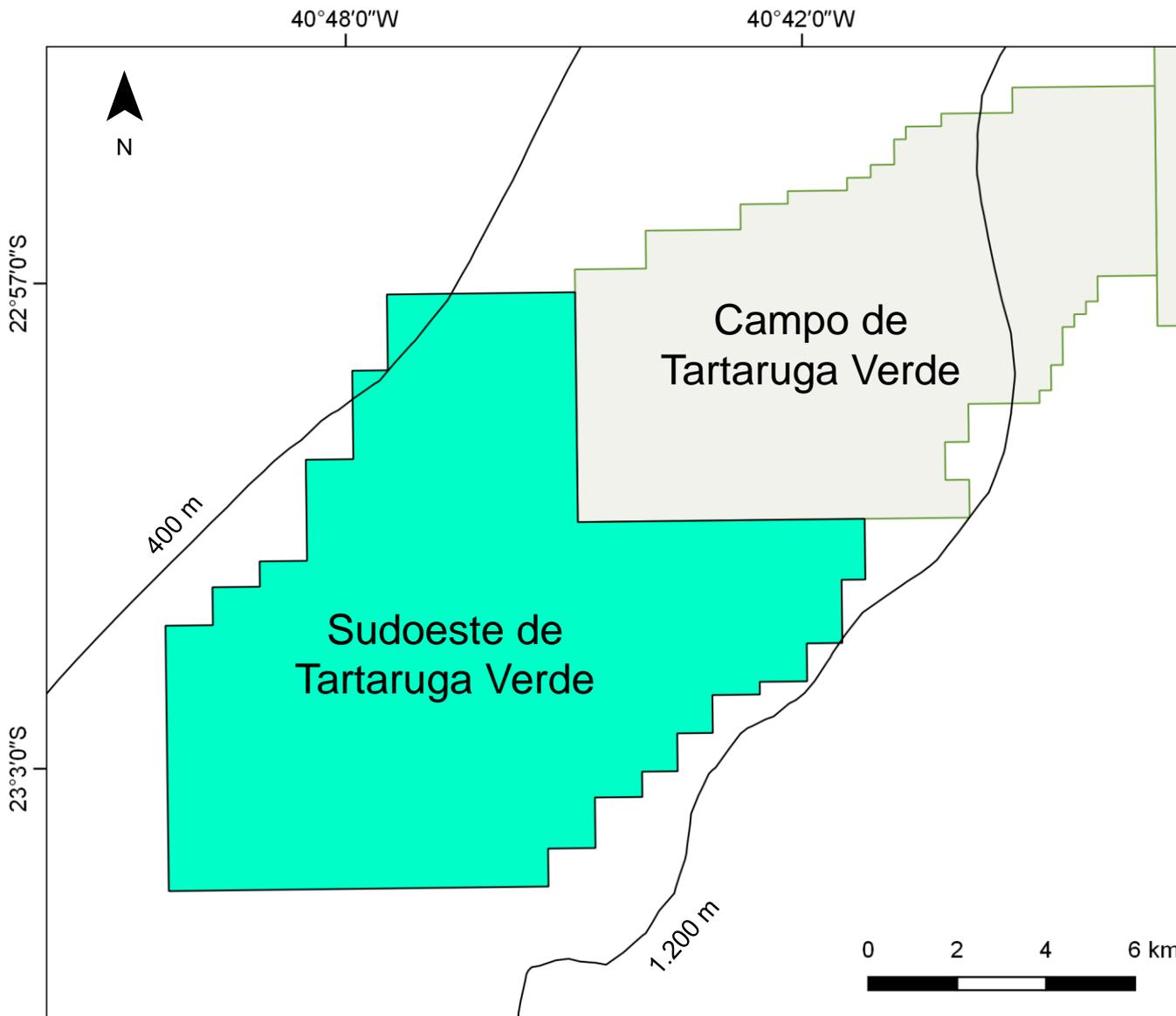
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Área em Oferta



Área em Oferta



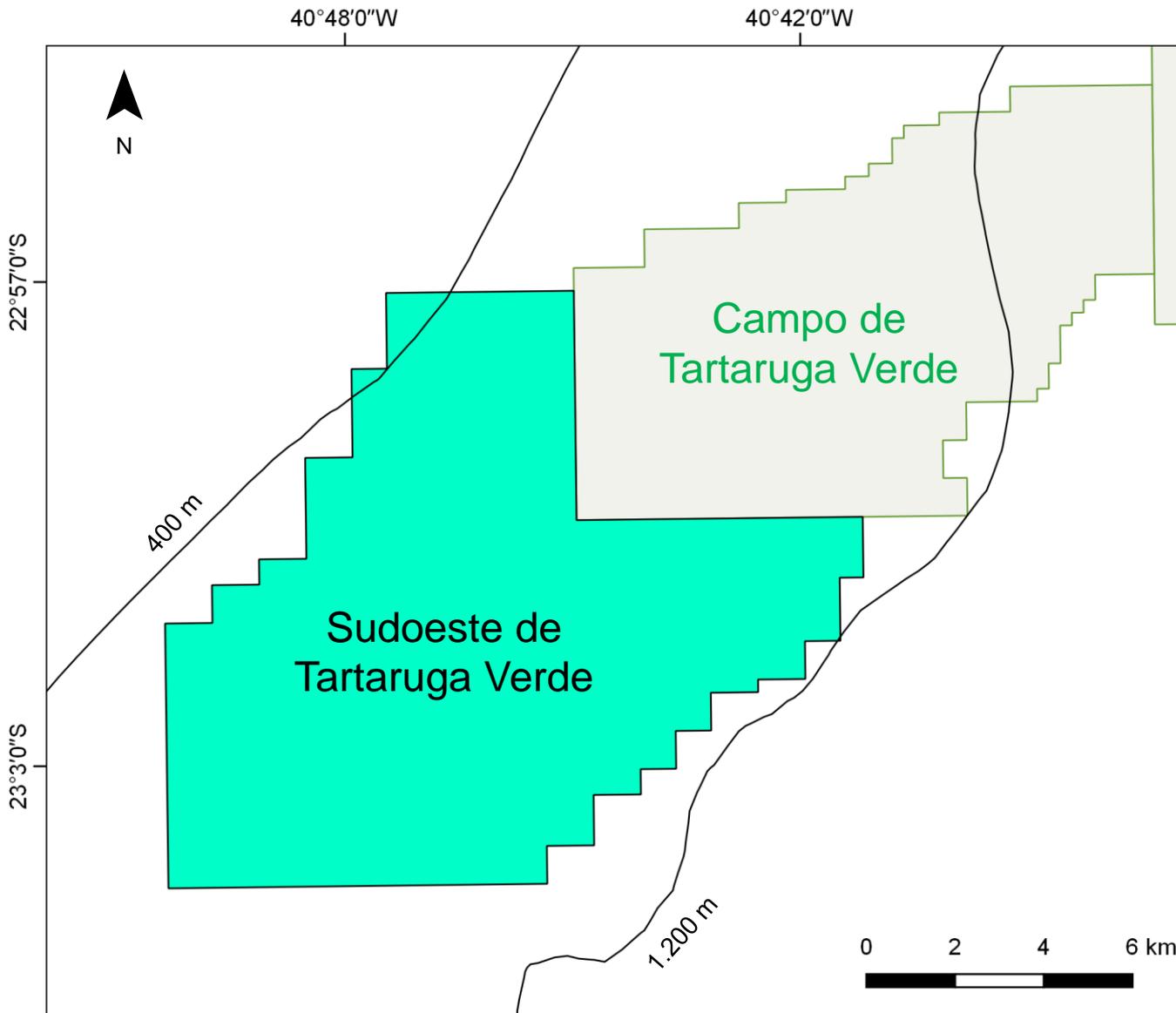
Play

Carbonatos albianos
(pós-sal)

Fluido Esperado

Óleo

Campo de Tartaruga Verde



Início da produção

22 de junho 2018

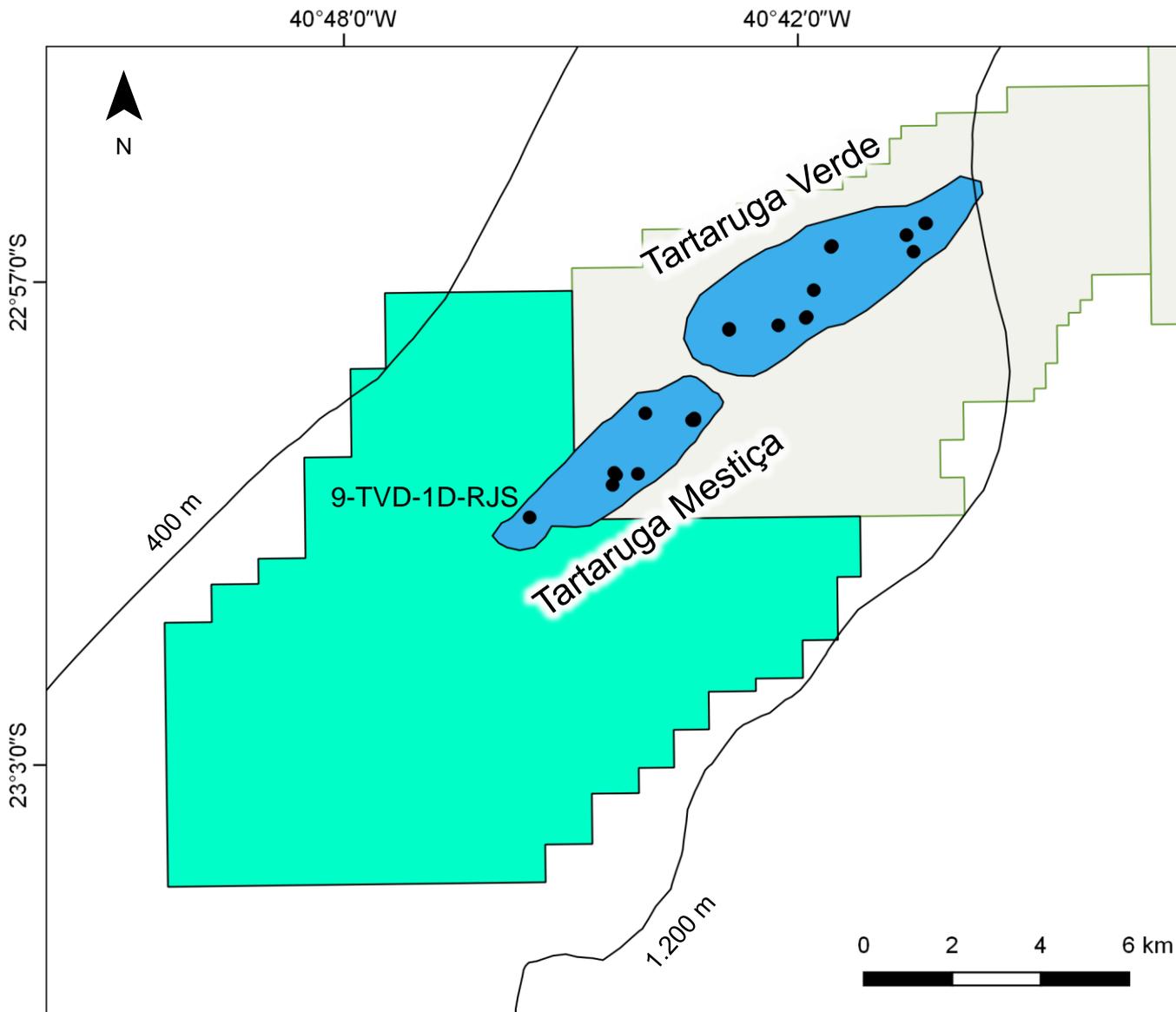
FPSO

Cidade de Campos
dos Goytacazes

Fluido principal

Óleo 27° API

Campo de Tartaruga Verde



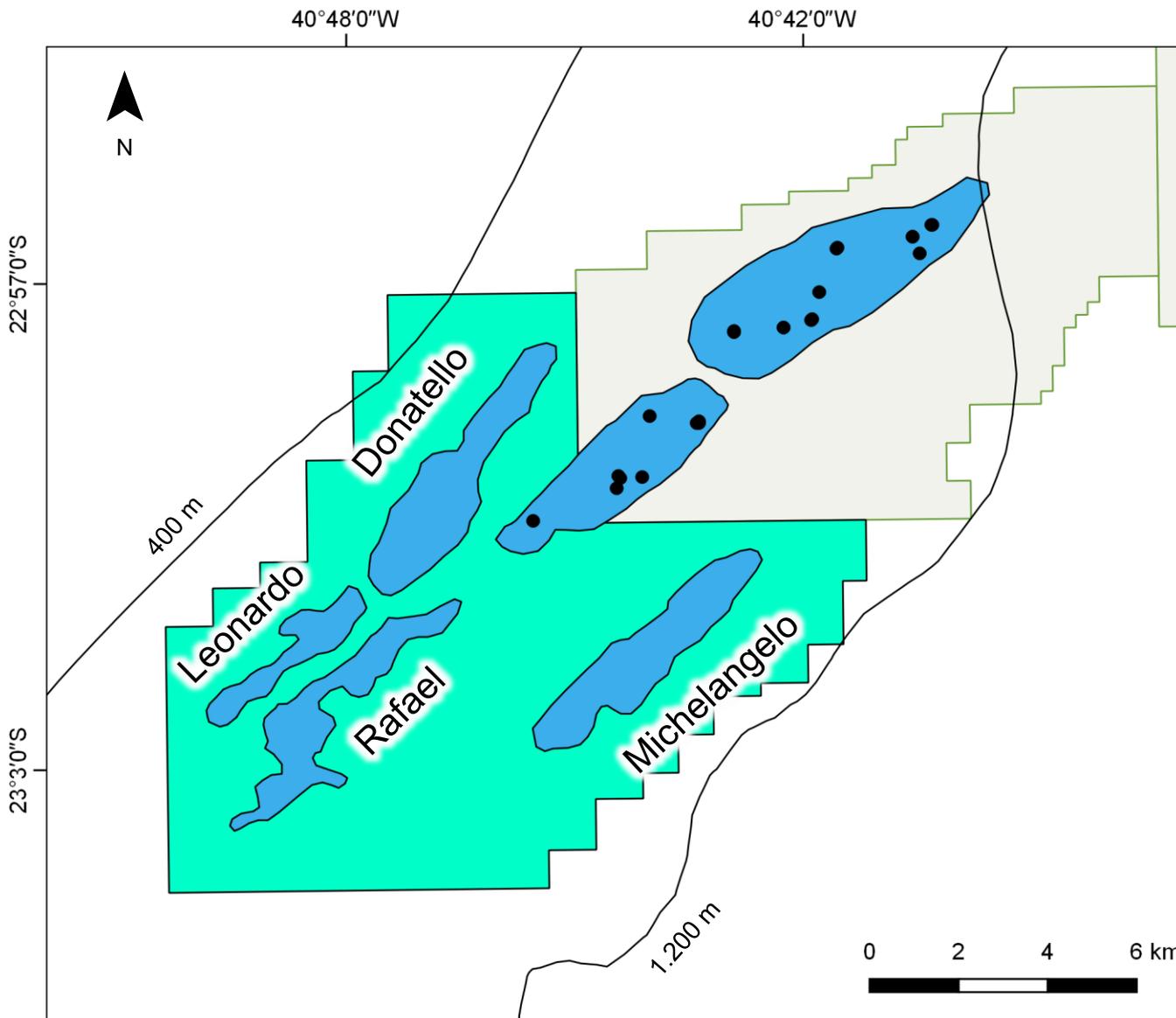
Estruturas do tipo
casco de tartaruga
alongadas

Tartaruga Mestiça
(área dentro do bloco)

~160 milhões
de bbl^[1]

^[1] Santos, 2017

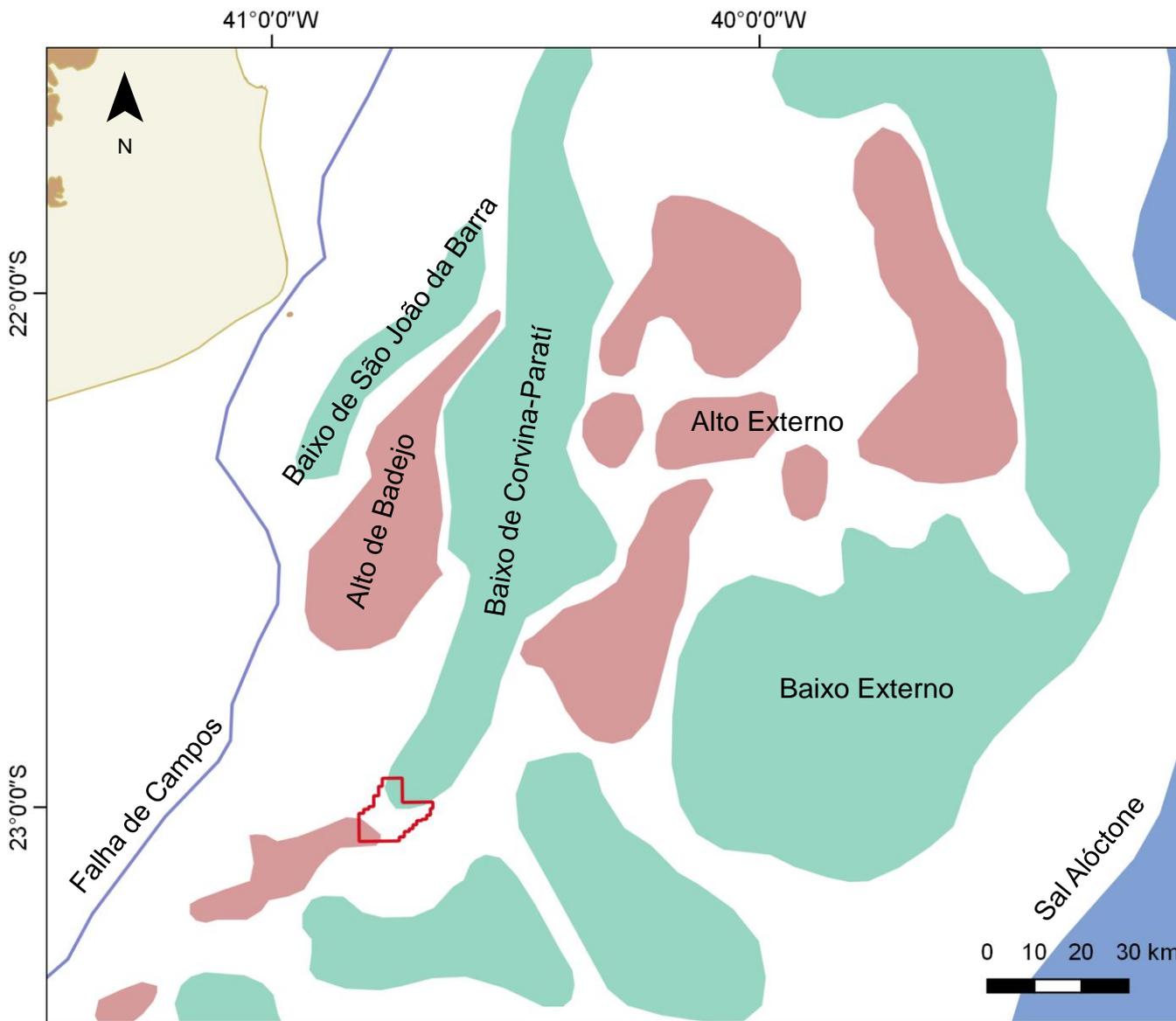
Área em Oferta



Bloco maior em
relação a 2ª Licitação
de Partilha

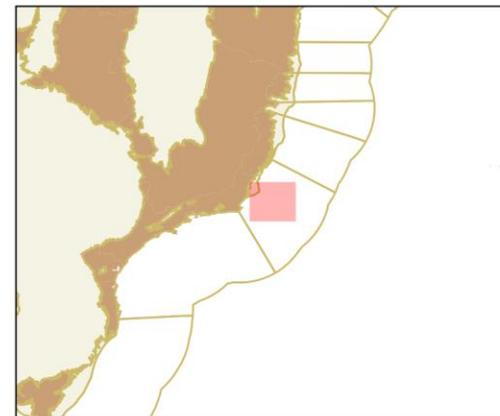
**Inclusão de quatro
prospectos**

Contexto Regional

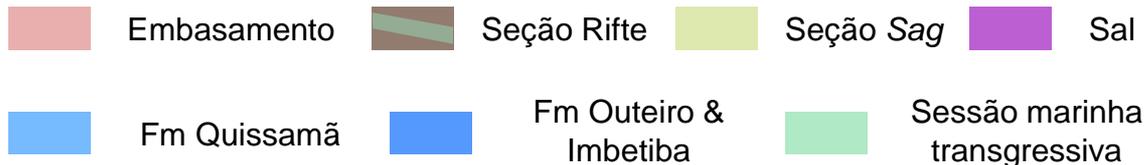
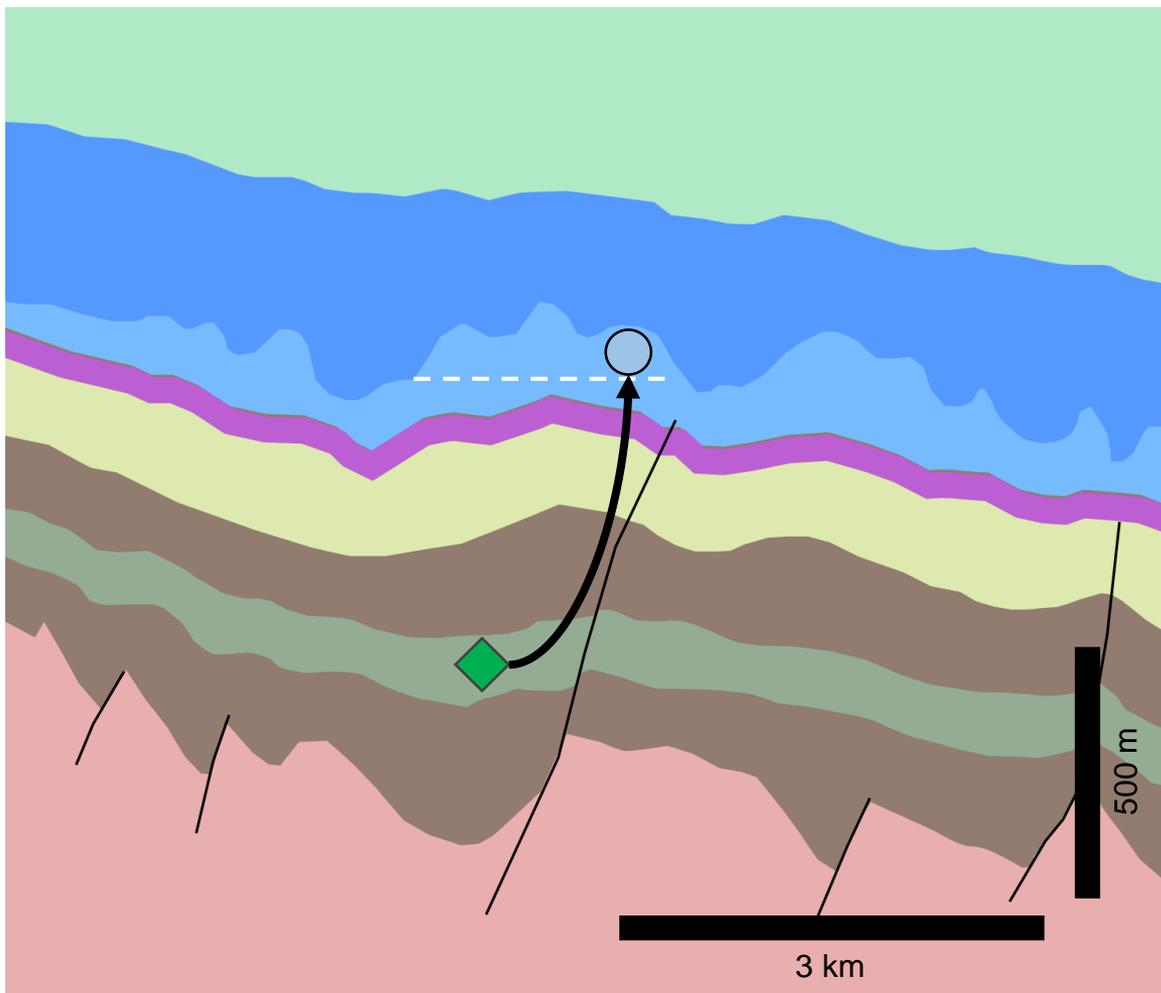


- Bloco em Oferta
- Alto Regional
- Baixo Regional
- Domínio de Sal

Modificado de Rangel & Martins, 1998 (com base em ANP/UNESP/LEBAC, 2006) por Bastos & Luparelli, 2015



Modelo de Acumulação



Geração

Camadas com potencial gerador dentro do baixo de Corvina-Paratí

Migração

Migração vertical por falhas e lateral de curtas distâncias

Reservatório

Ilhas de areia carbonática de alta energia alinhadas com a paleocosta e estruturadas por falhas de halocinese

Selo

Variação lateral de fácies e carbonatos de baixa energia

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Análise petrofísica

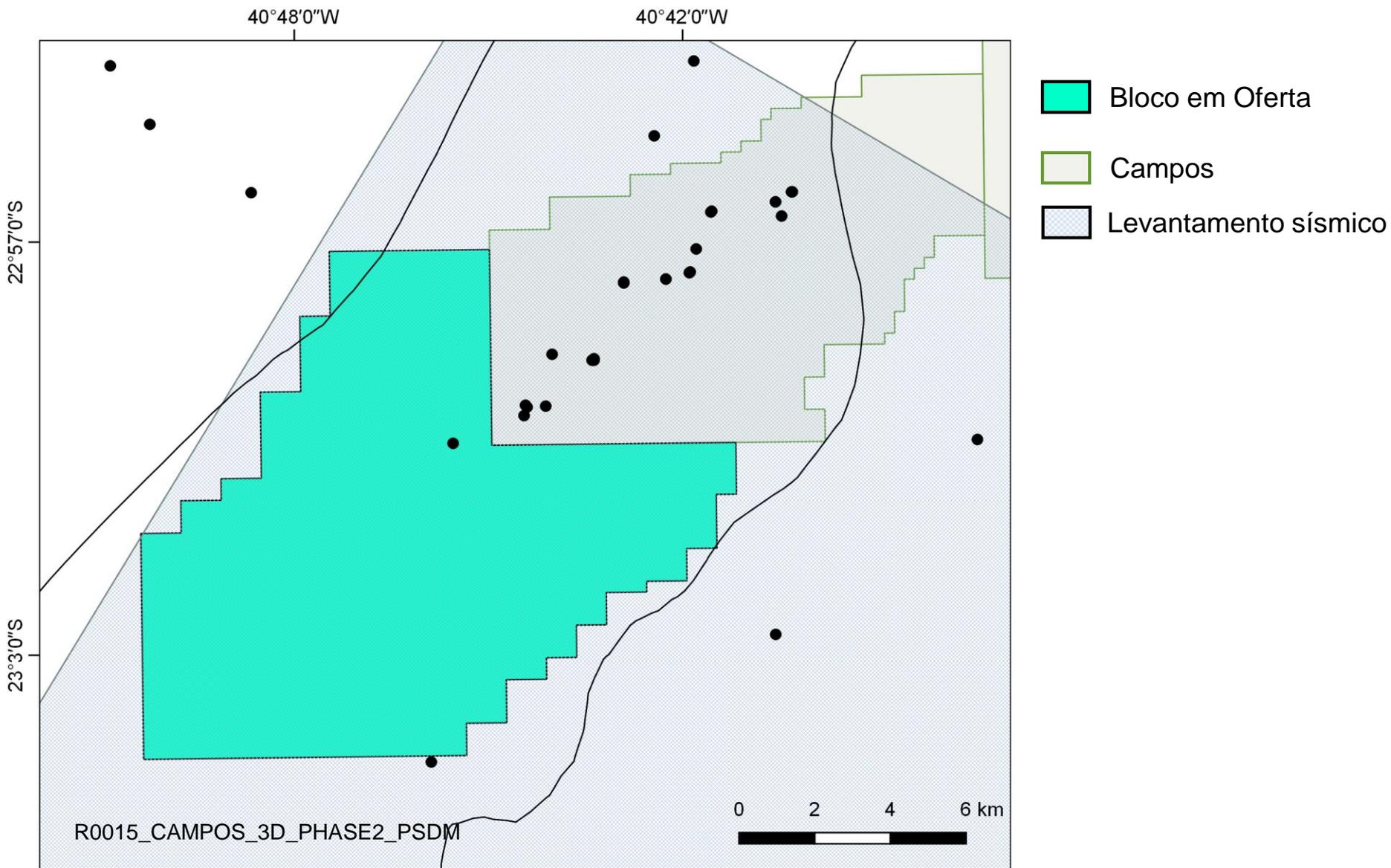
9-TVD-1D-RJS

Calibração de profundidade

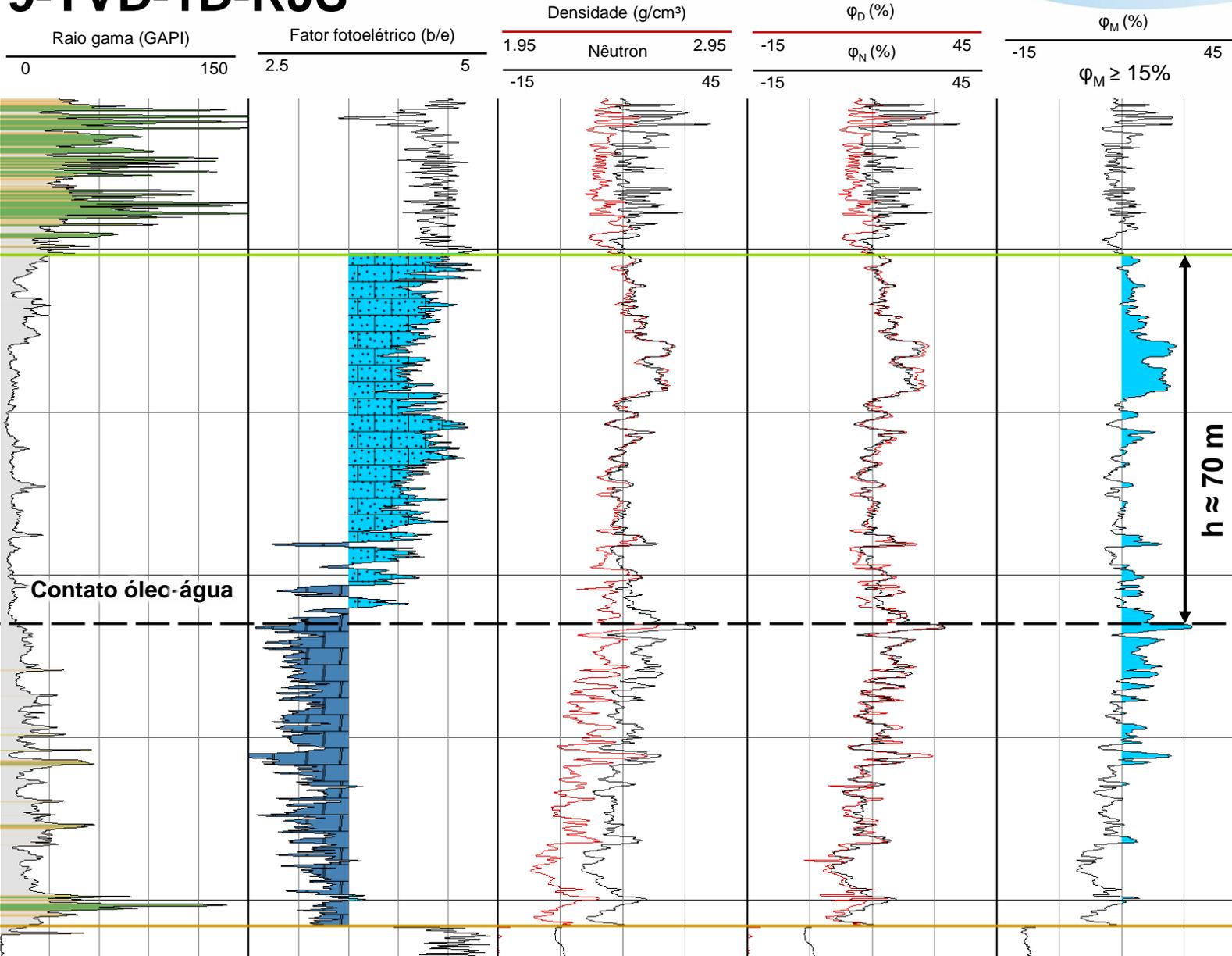
9-TVD-1D-RJS

Interpretação sísmica

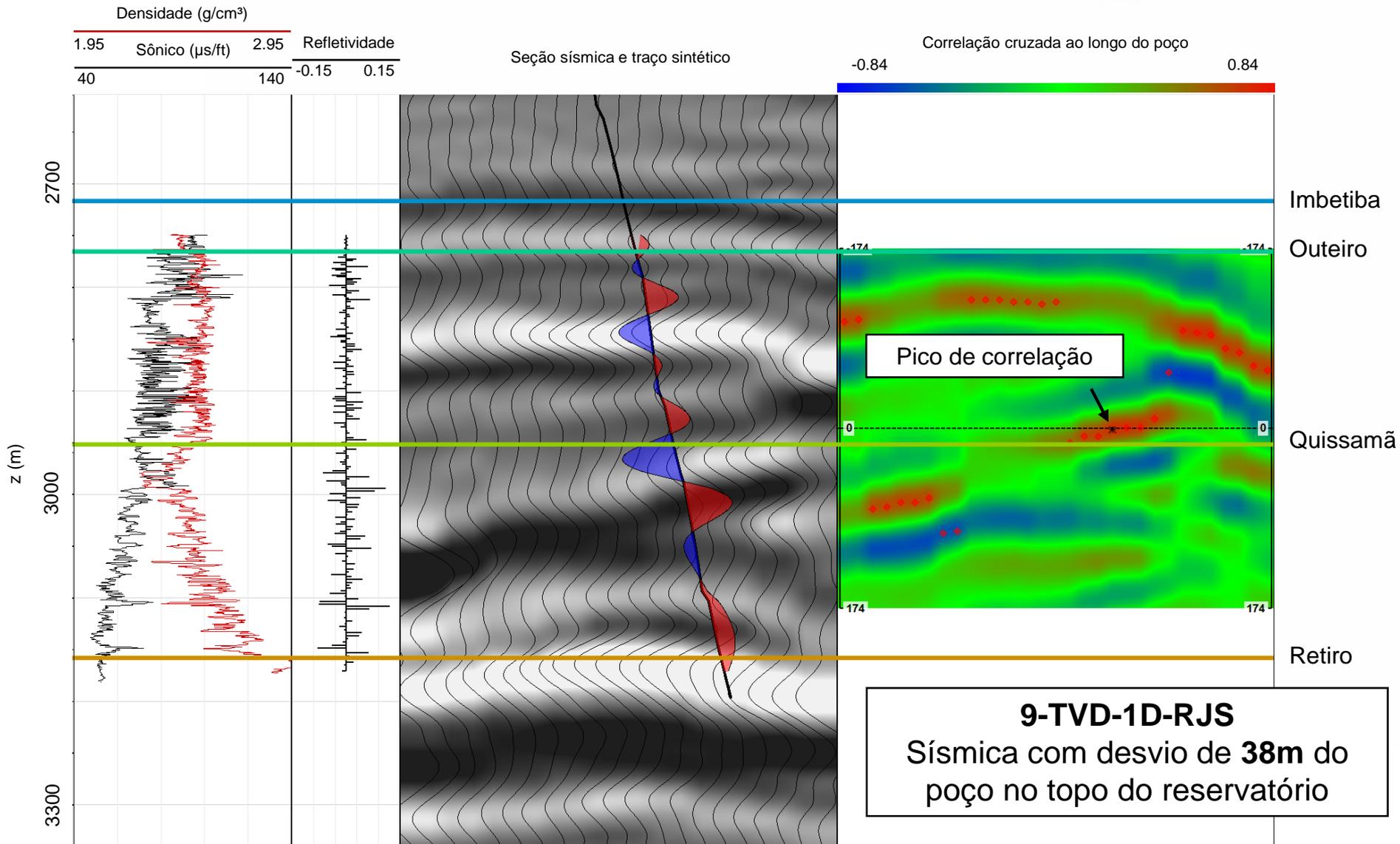
Dados utilizados



Porosidade e *net-pay* 9-TVD-1D-RJS



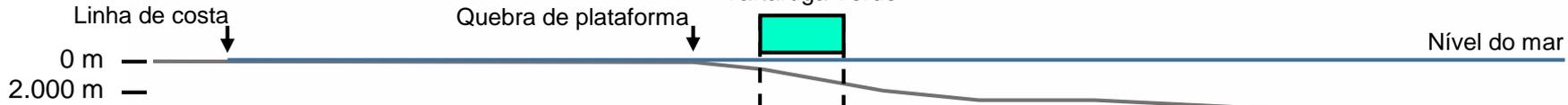
Exemplo de calibração de profundidade 9-TVD-1D-RJS



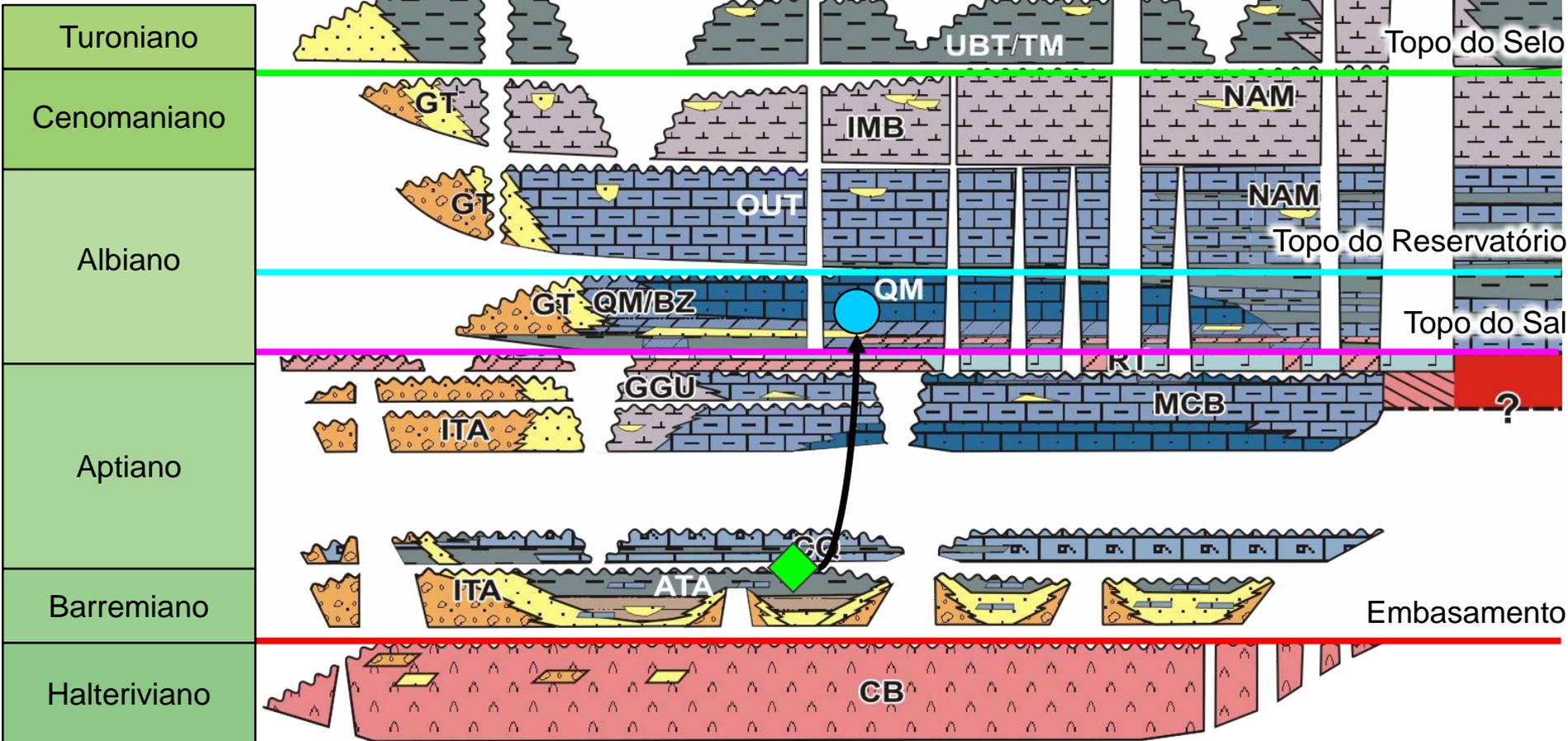
Poço 9-TVD-1D-RJS já calibrado e alinhado em profundidade com a sísmica utilizada

Horizontes Rastreados

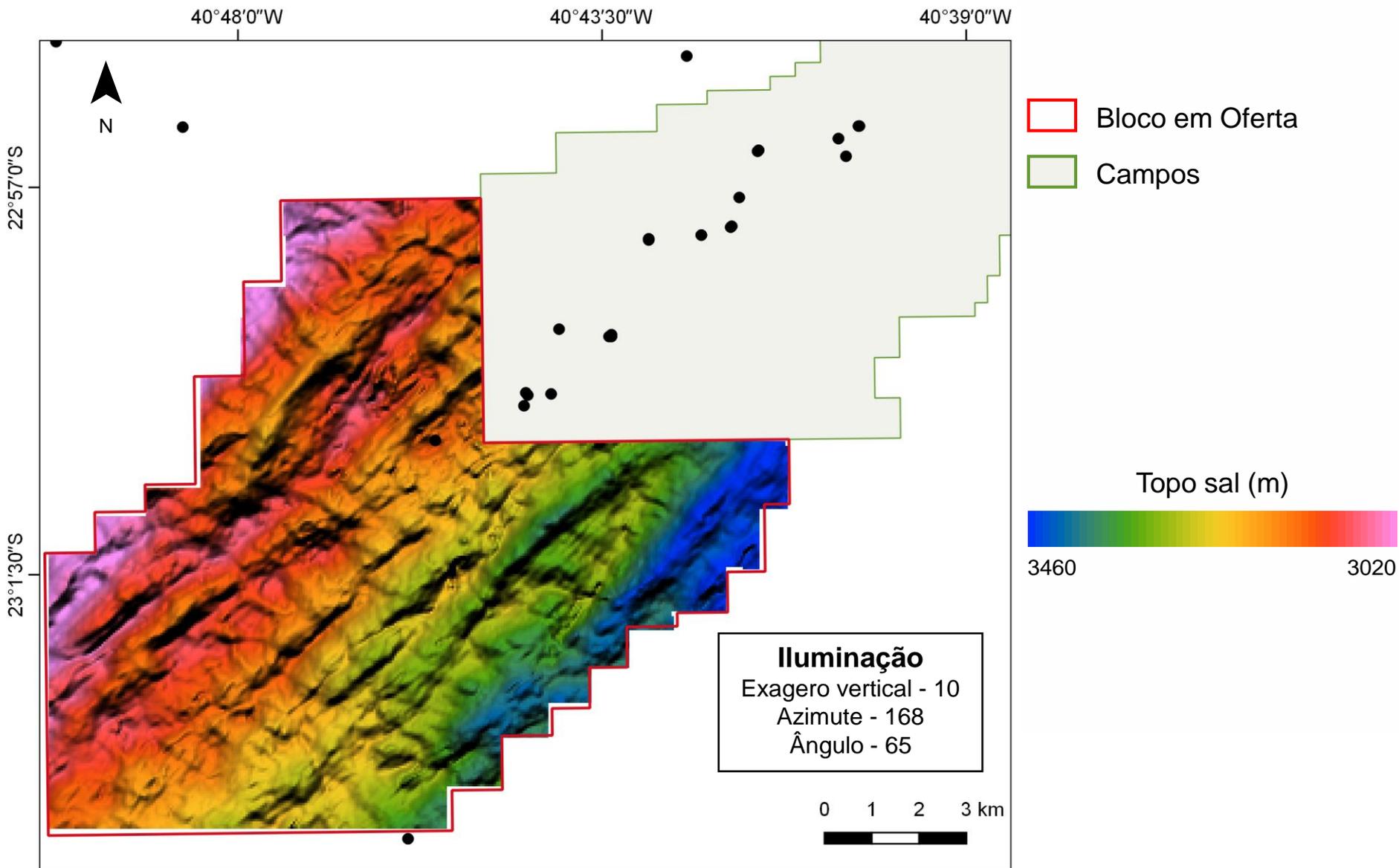
Sudoeste de
Tartaruga Verde



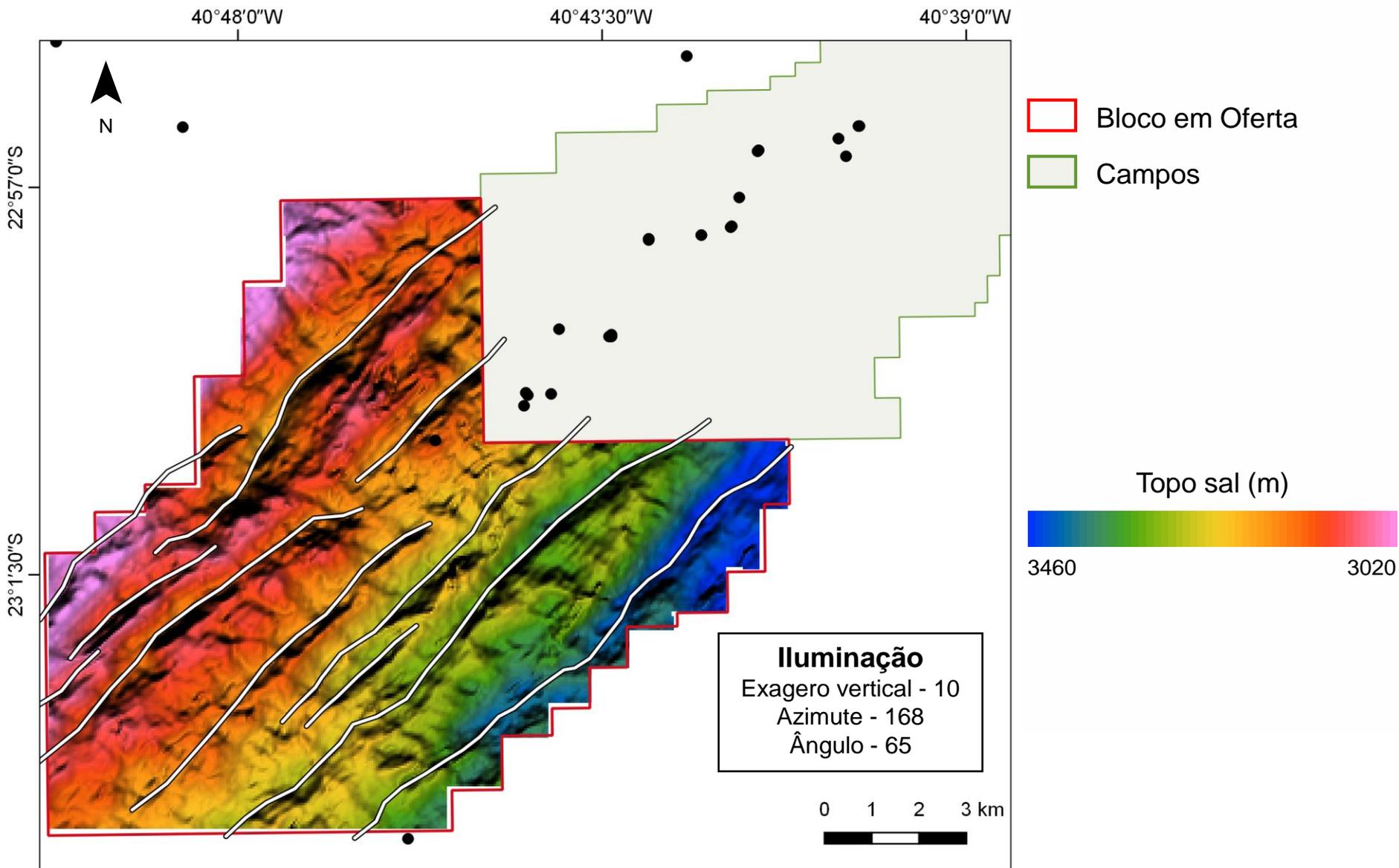
Idade



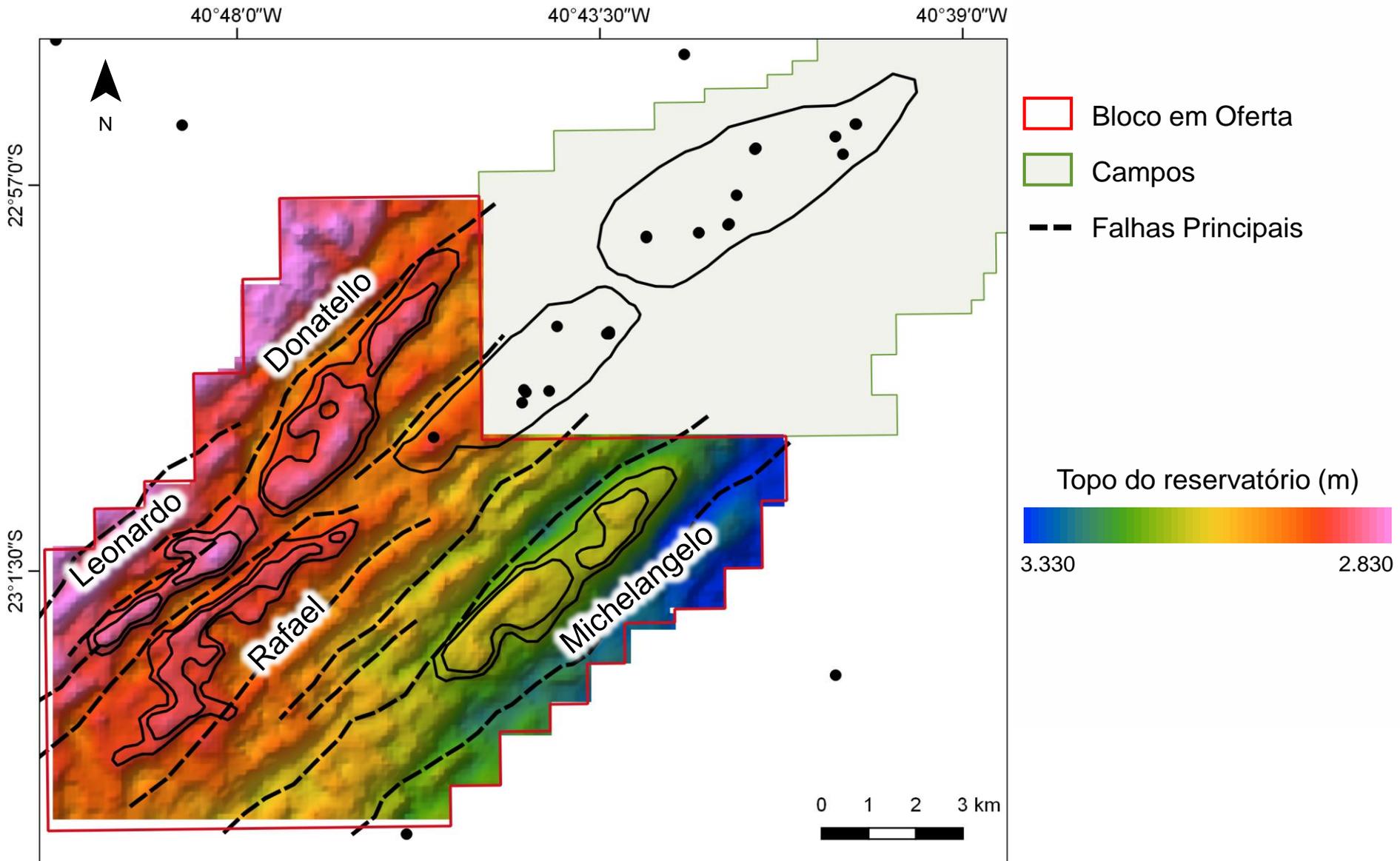
Mapa de Falhas – Topo Fm Retiro



Mapa de Falhas – Topo Fm Retiro



Prospectos Mapeados



Roteiro

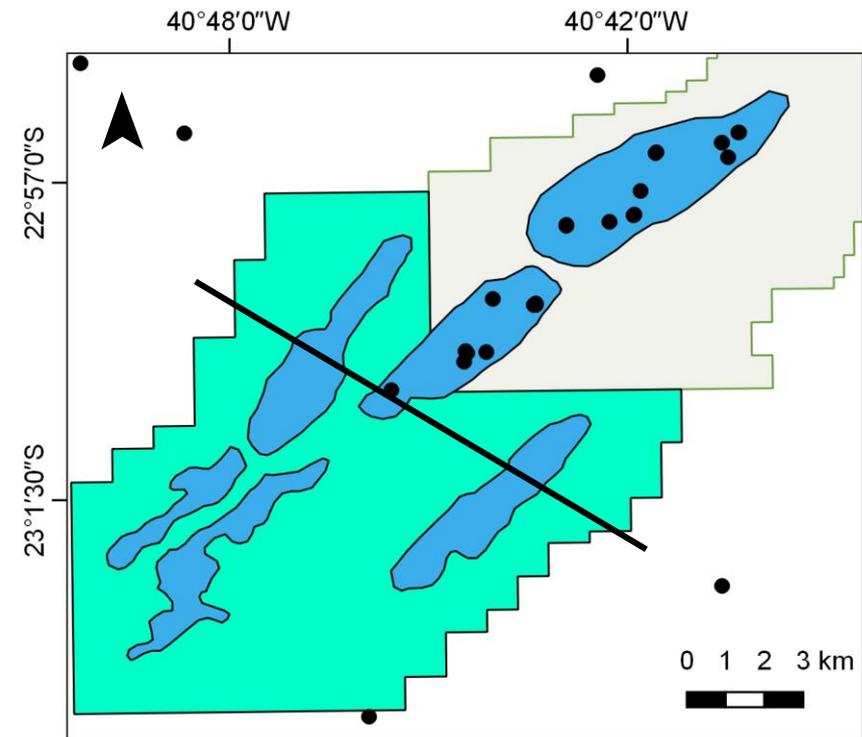
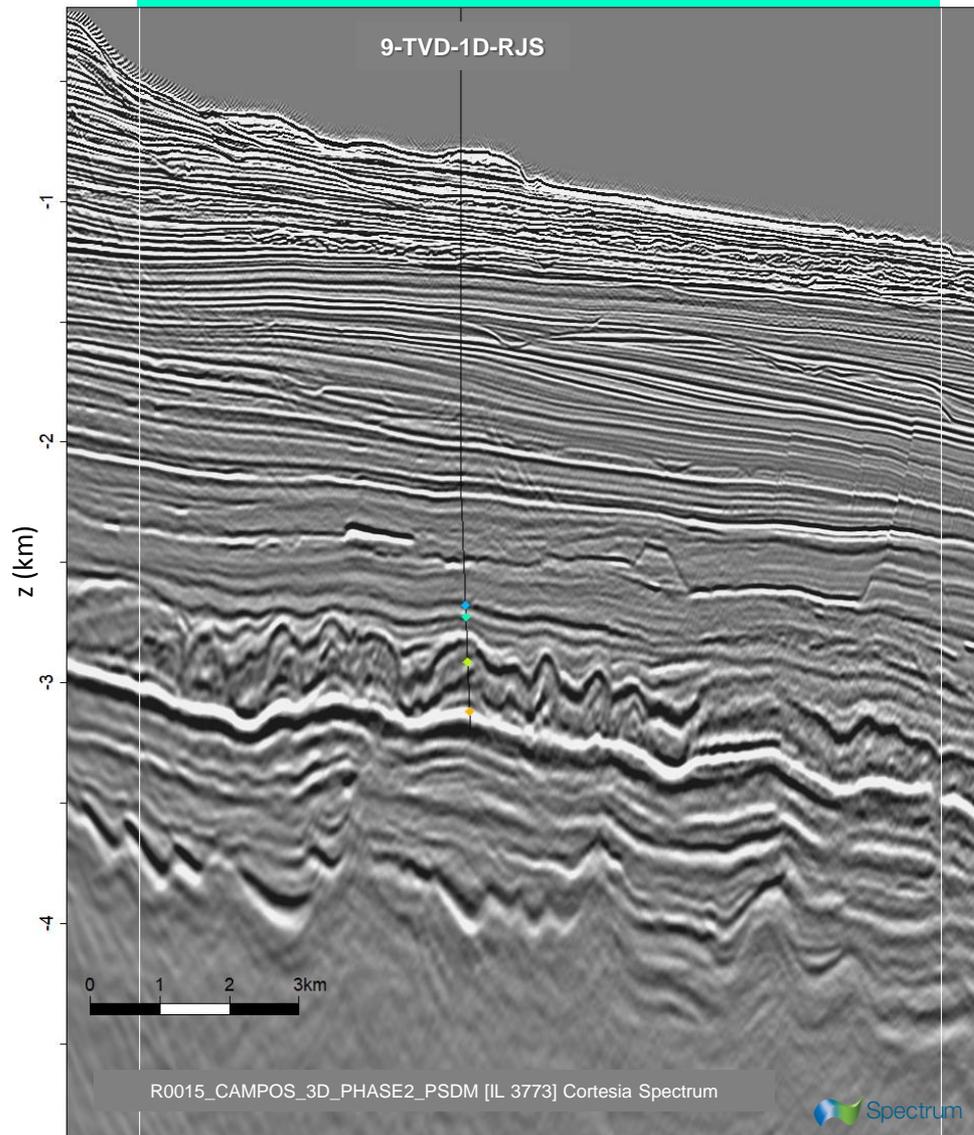
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Linha dip – Donatello, Tartaruga Mestiça e Michelangelo

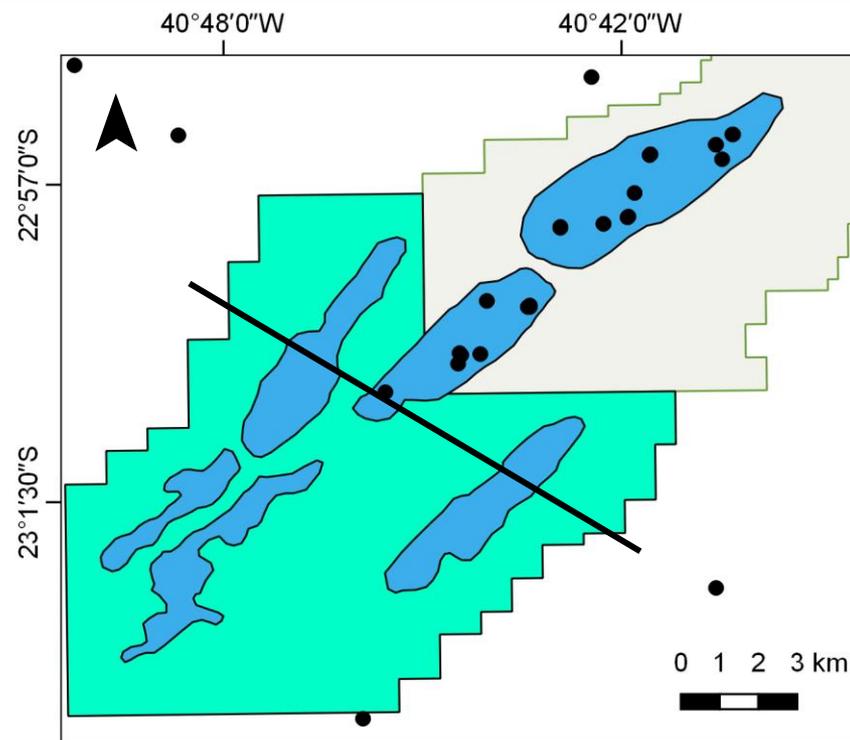
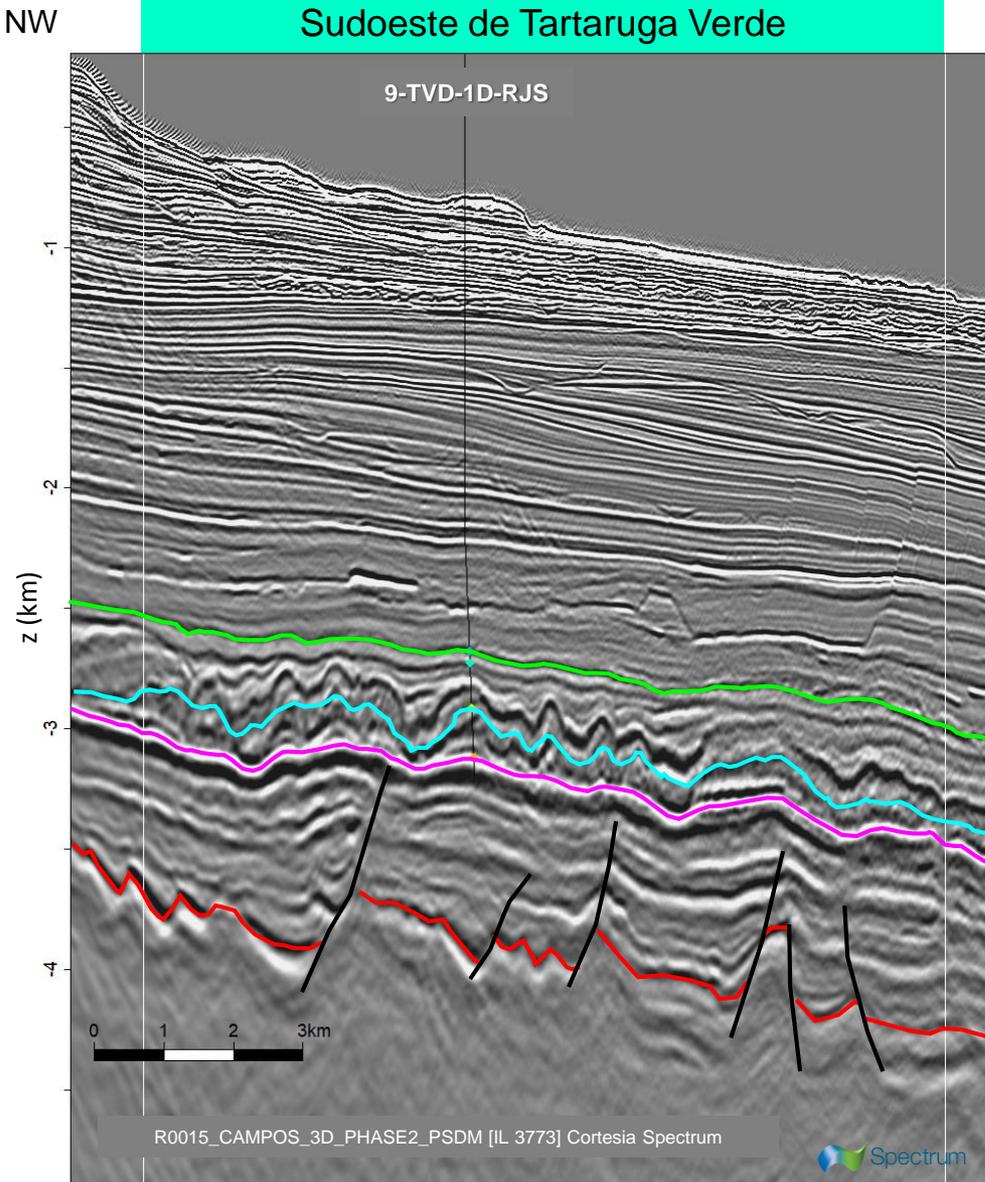
NW

Sudoeste de Tartaruga Verde

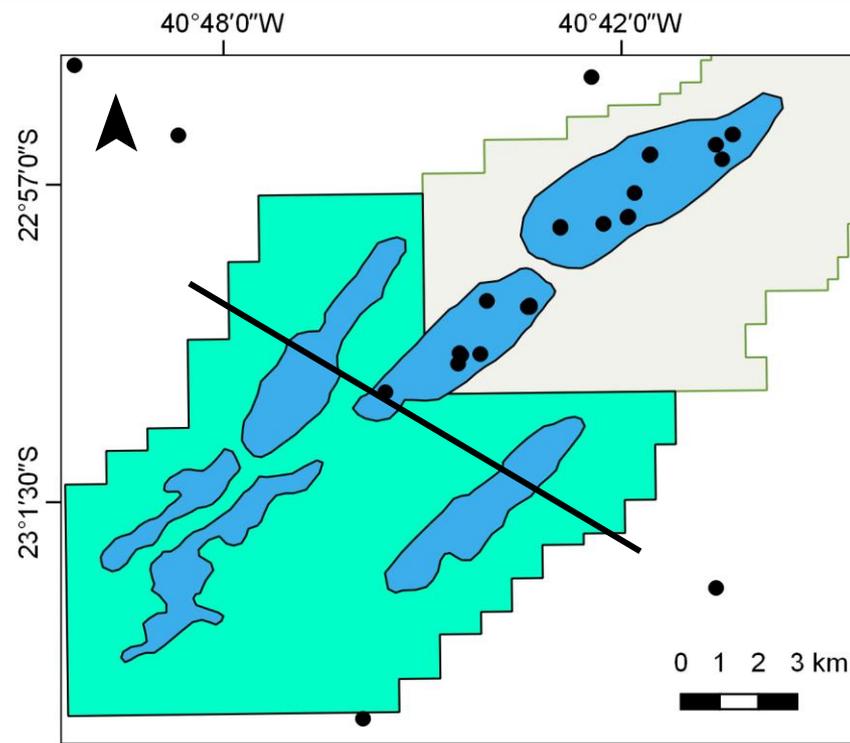
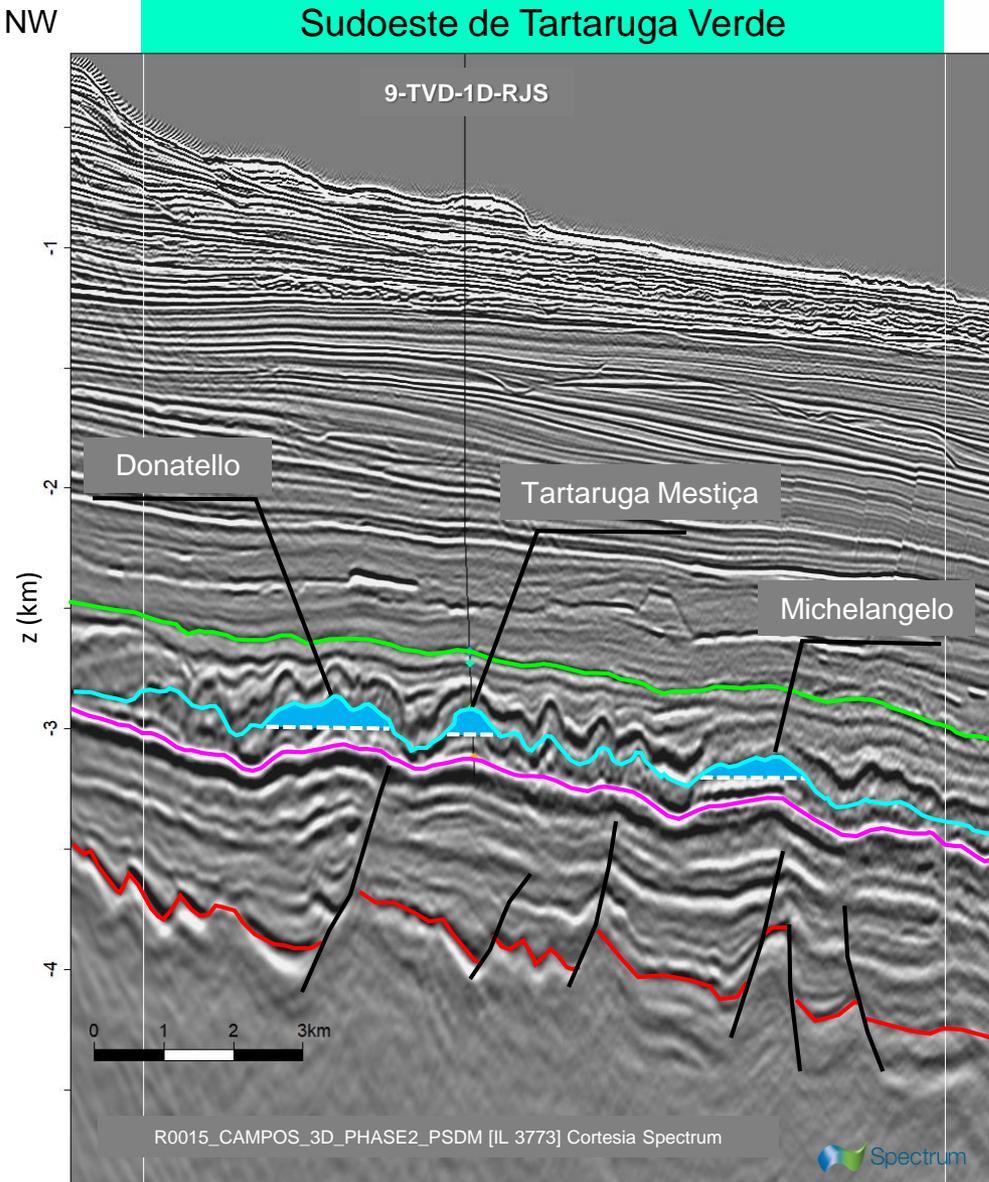
SE



Linha dip – Donatello, Tartaruga Mestiça e Michelangelo

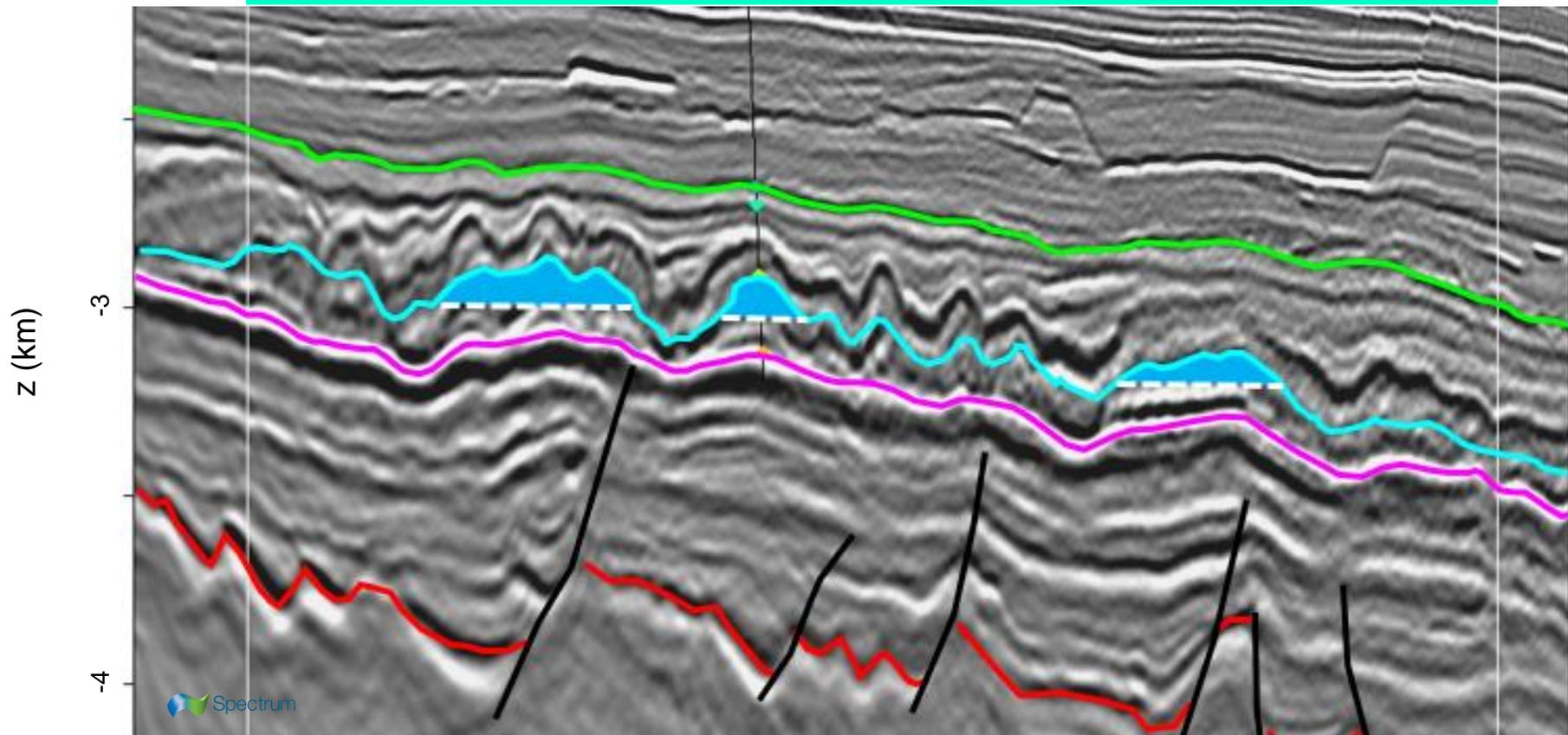


Linha dip – Donatello, Tartaruga Mestiça e Michelangelo



Linha dip – Donatello, Tartaruga Mestiça e Michelangelo

Sudoeste de Tartaruga Verde



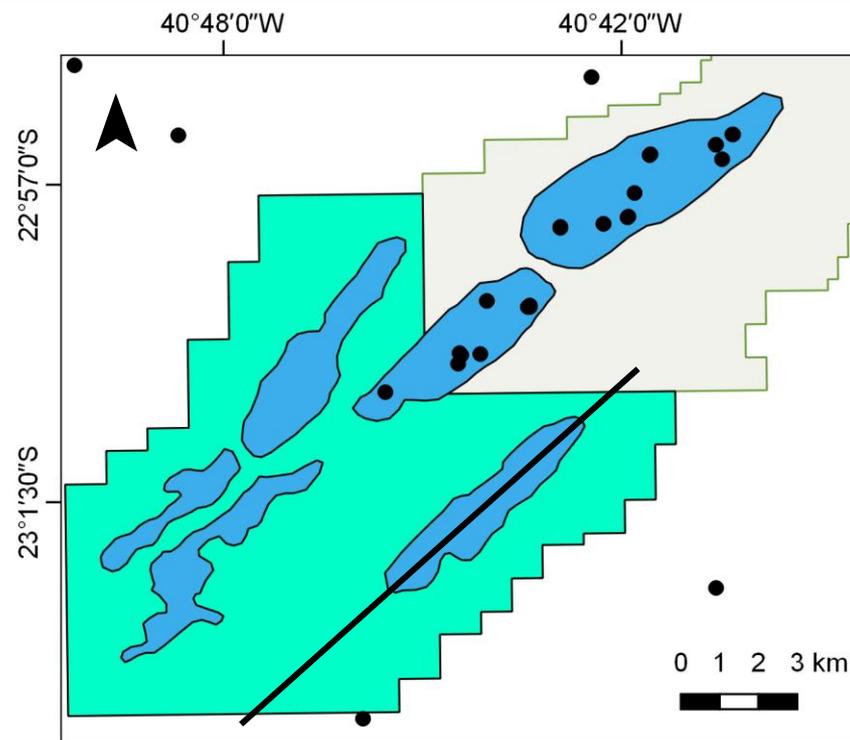
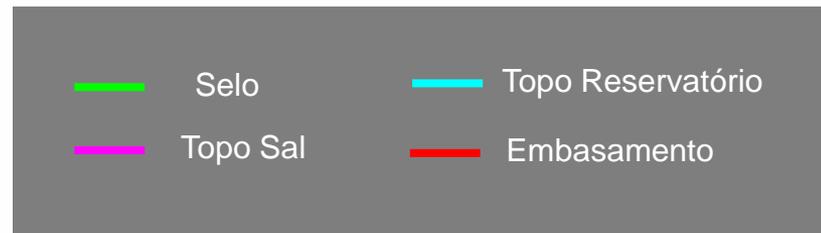
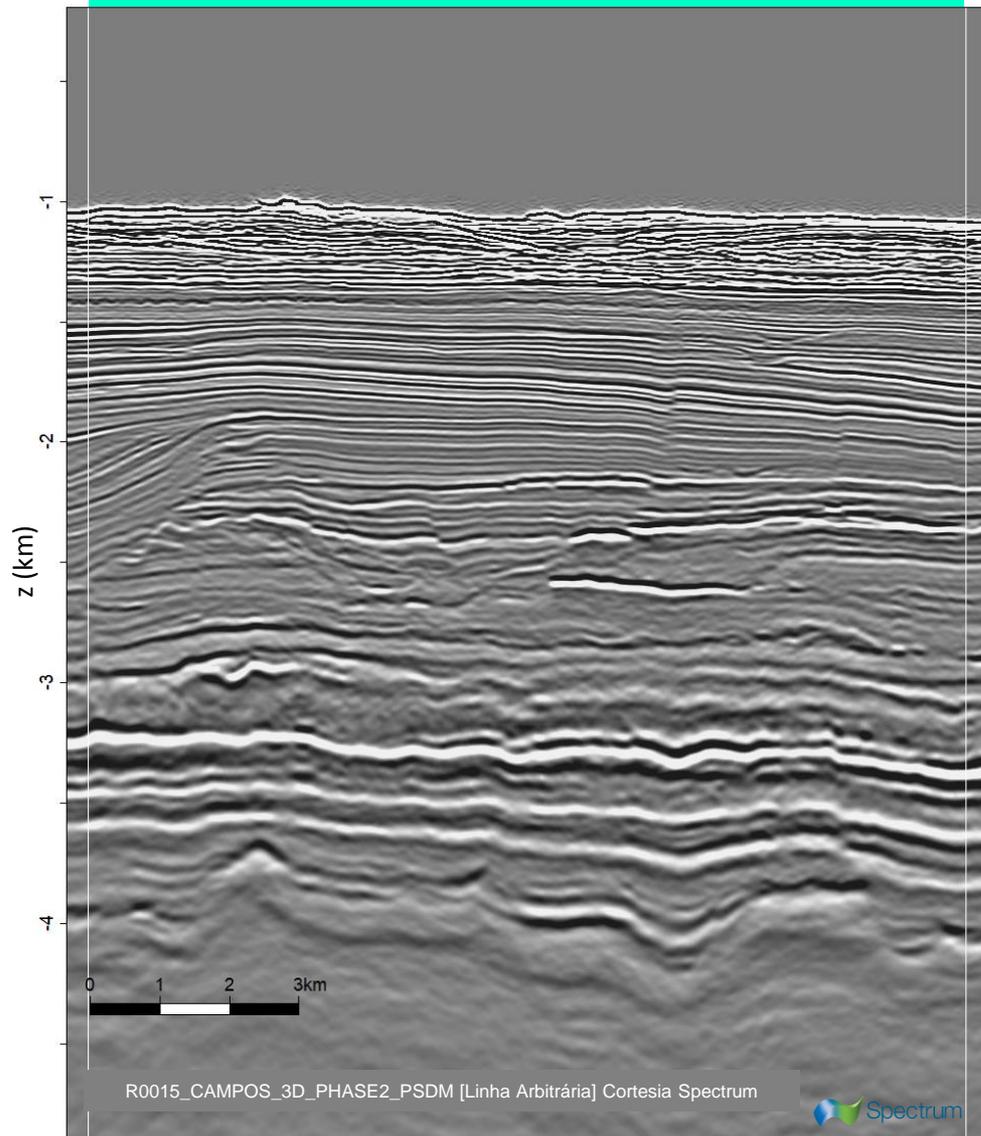
3,0 km

R0015_CAMPOS_3D_PHASE2_PSDM [IL 3773] – Cortesia Spectrum

Linha strike – Michelangelo

SW Sudoeste de Tartaruga Verde

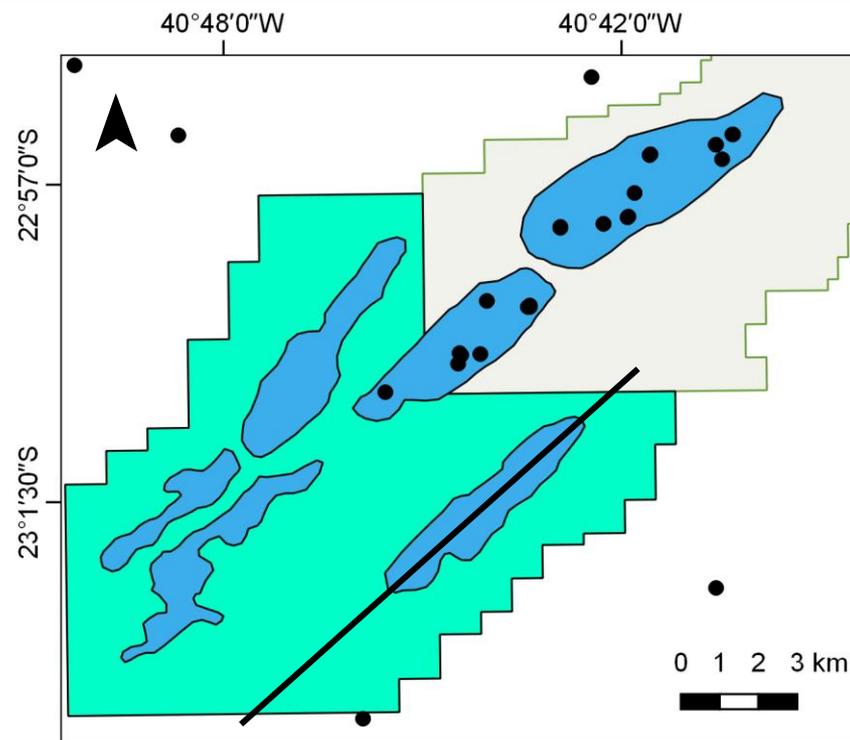
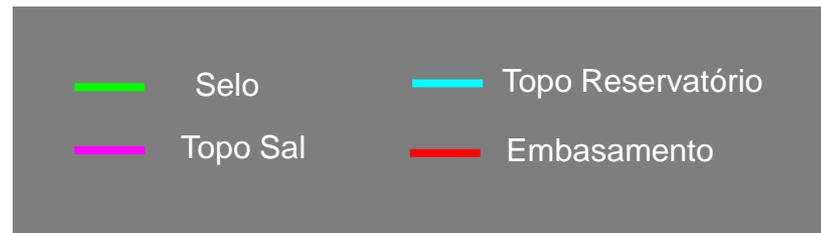
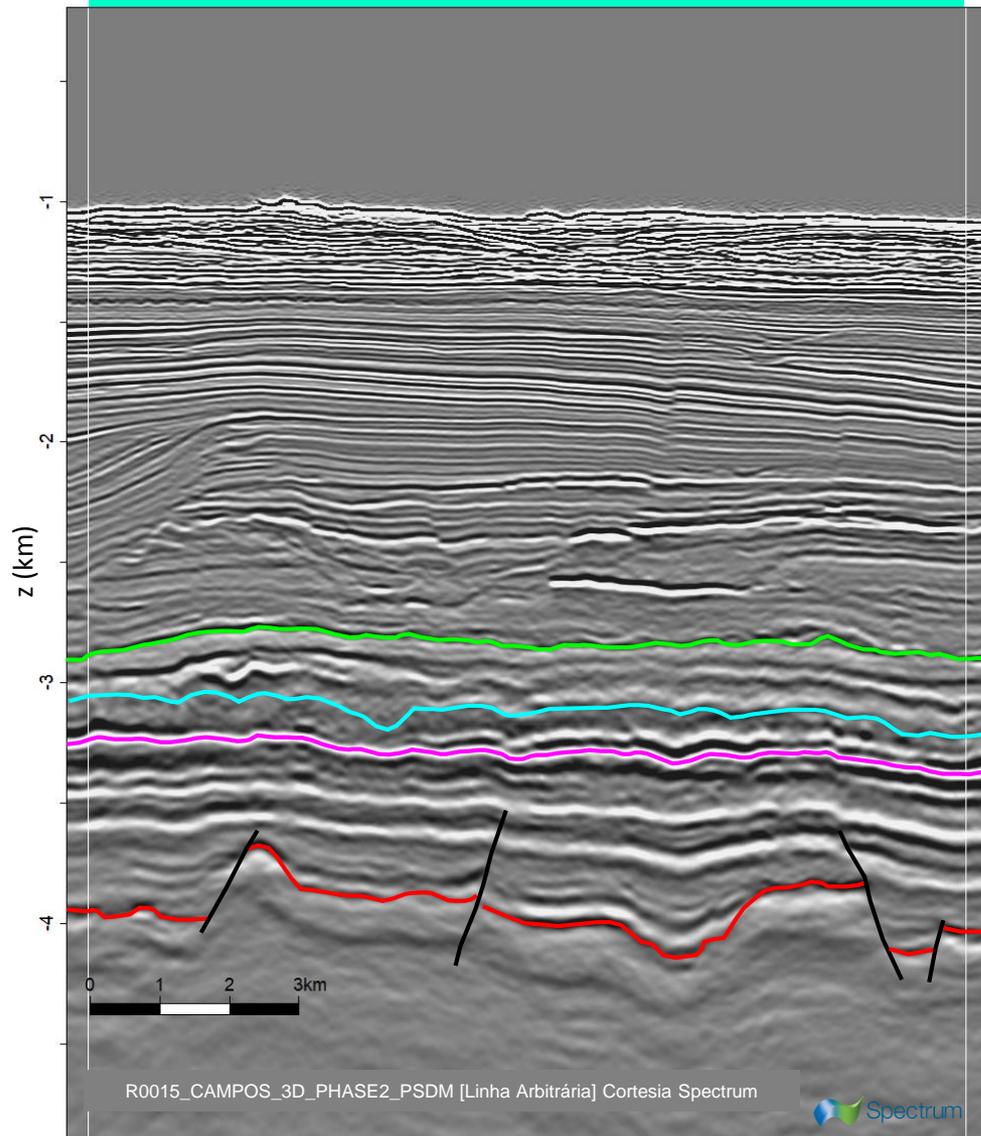
NE



Linha strike – Michelangelo

SW Sudoeste de Tartaruga Verde

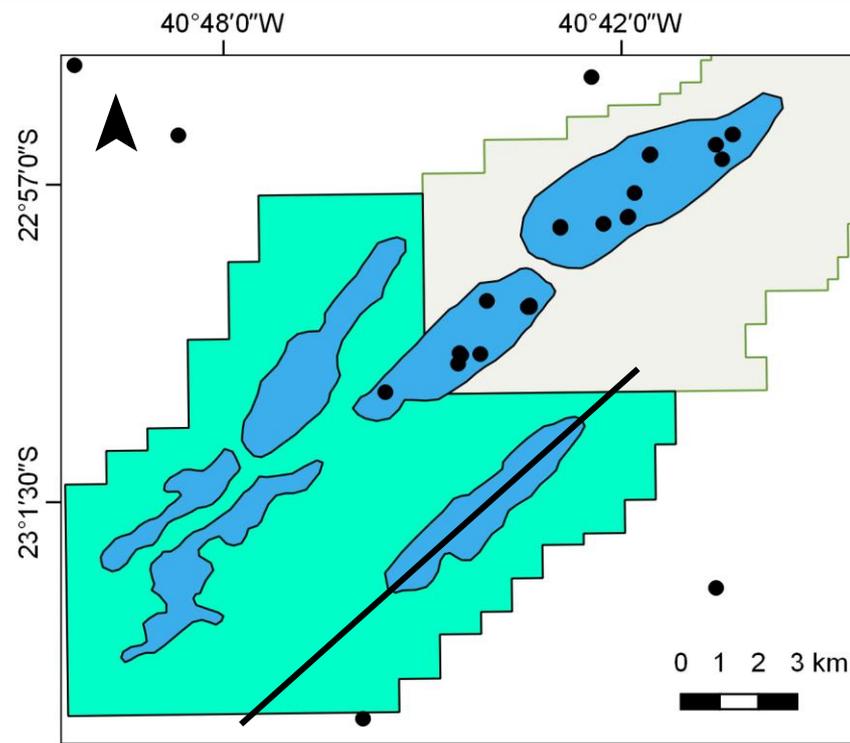
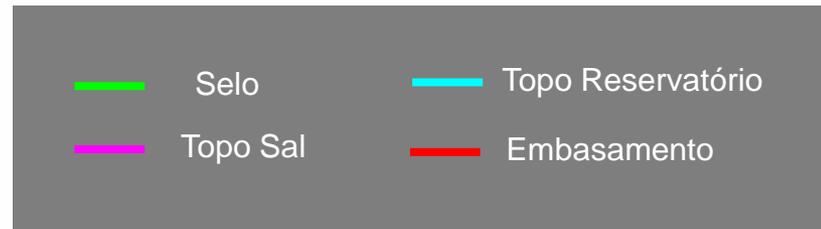
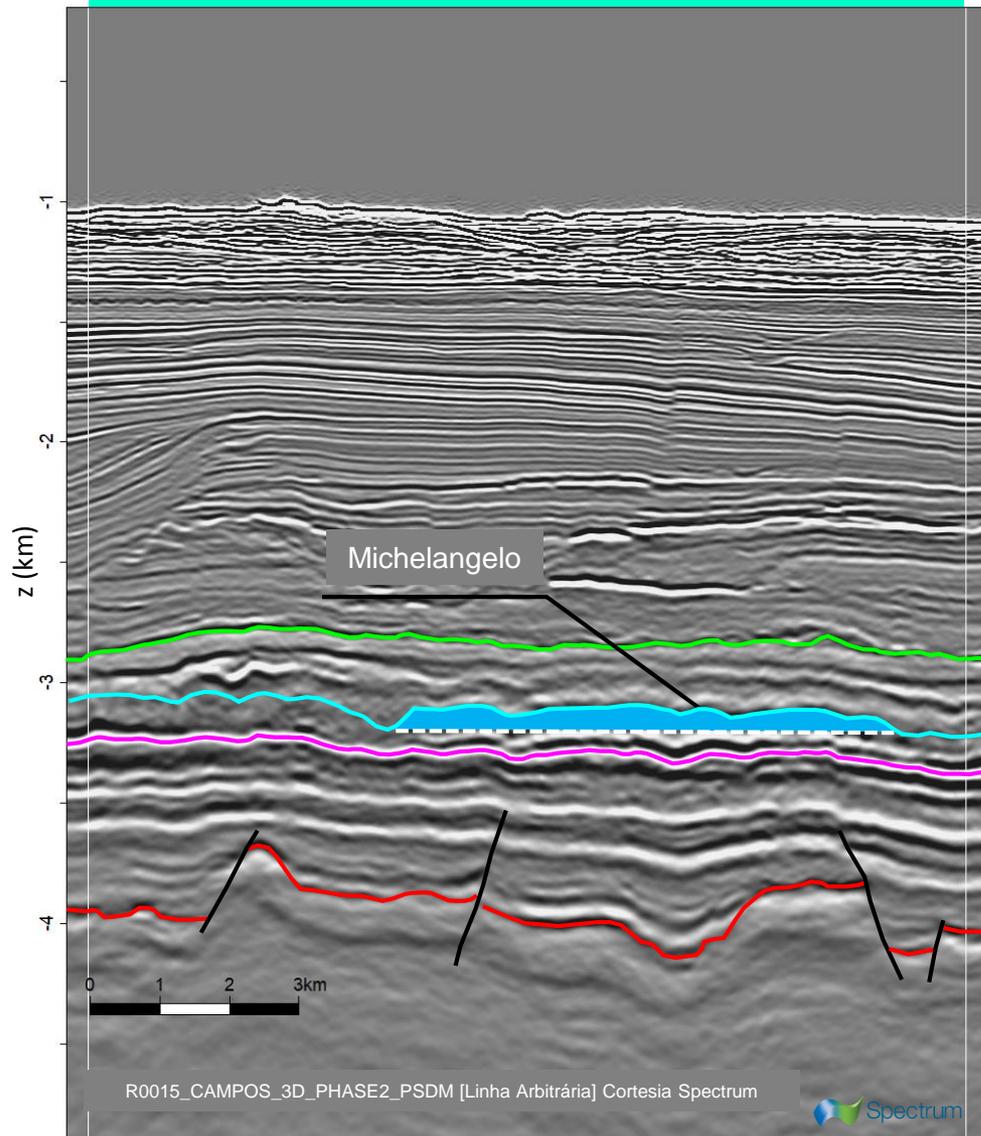
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Linha strike – Michelangelo

SW Sudoeste de Tartaruga Verde

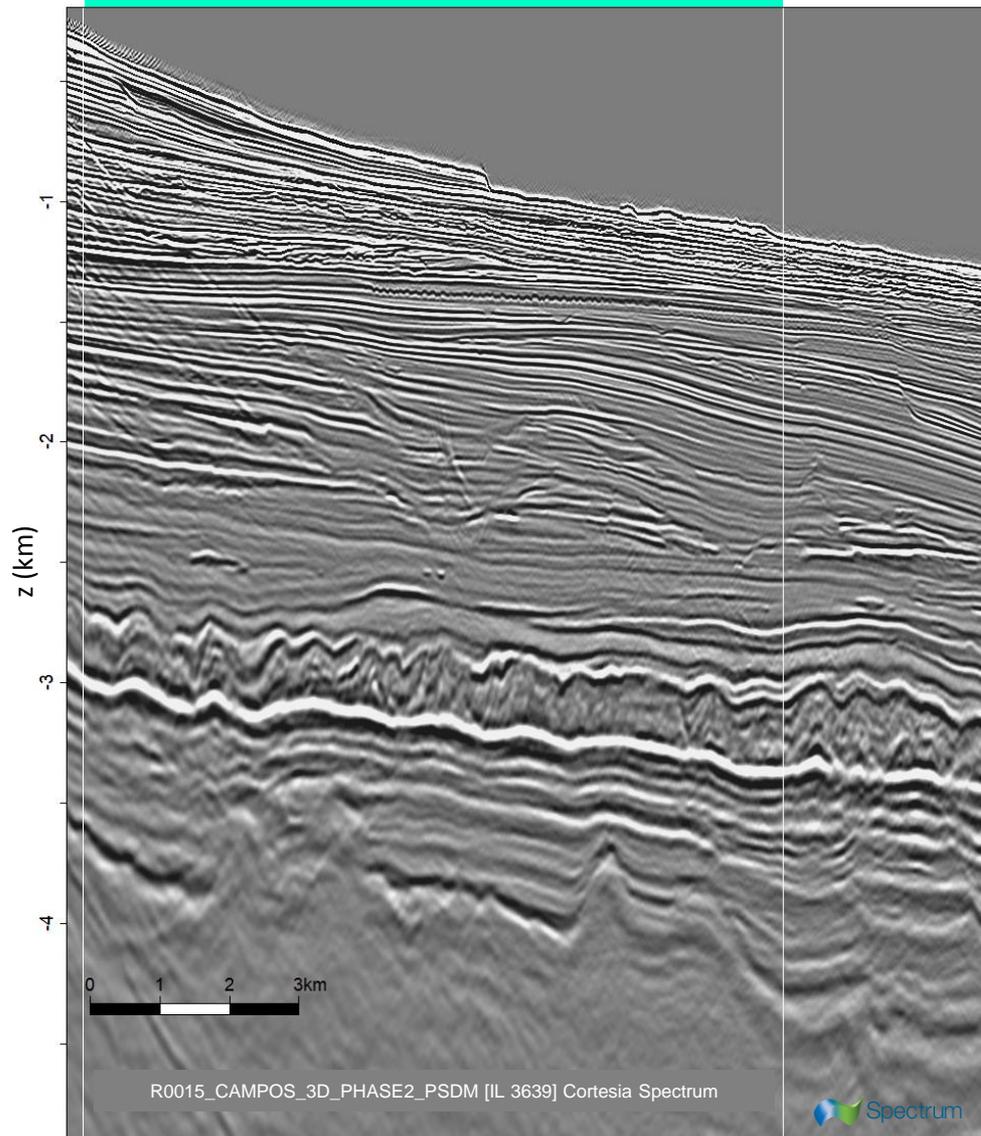
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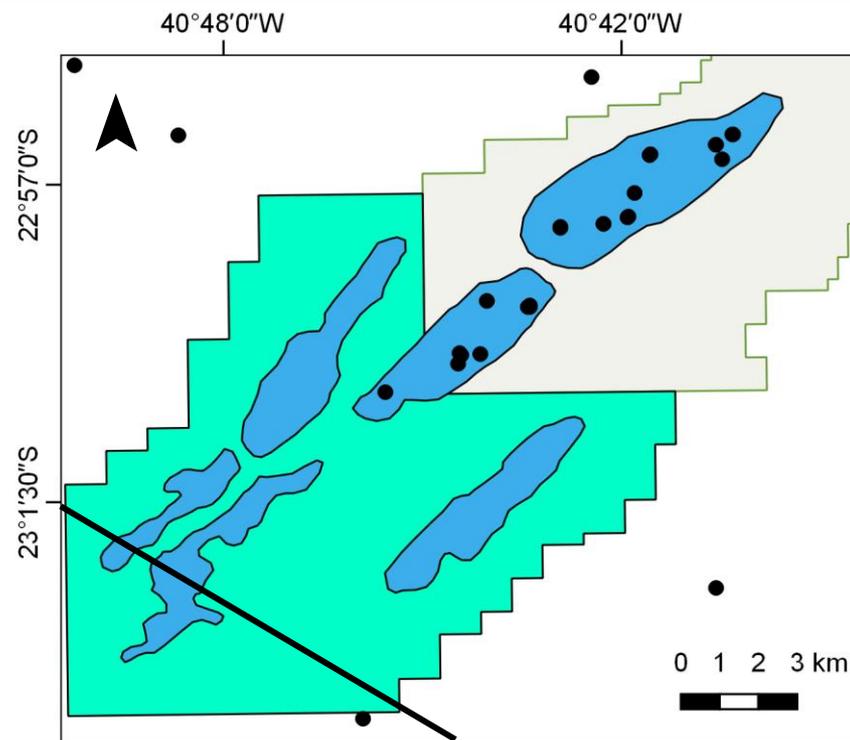
Linha dip – Leonardo e Rafael

NW

Sudoeste de Tartaruga Verde



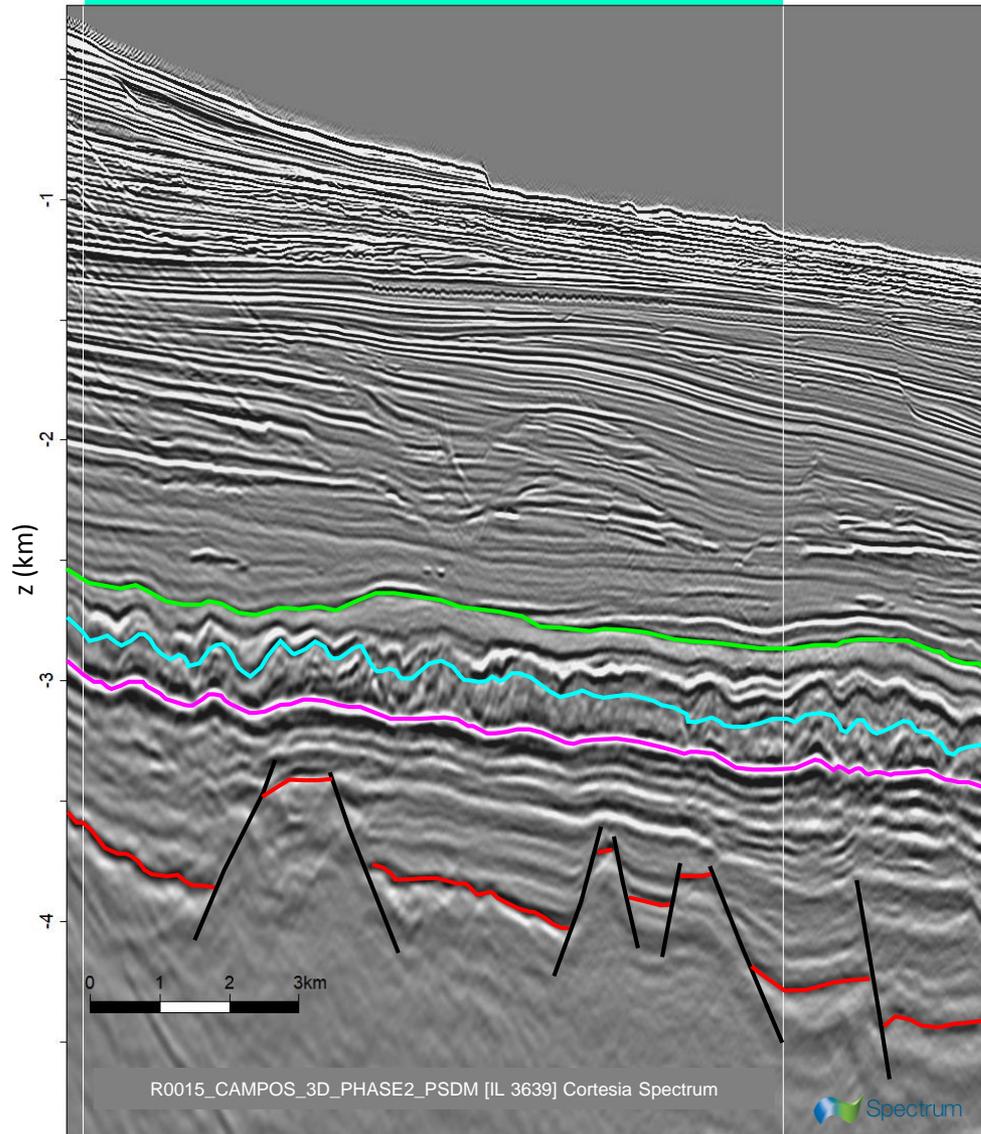
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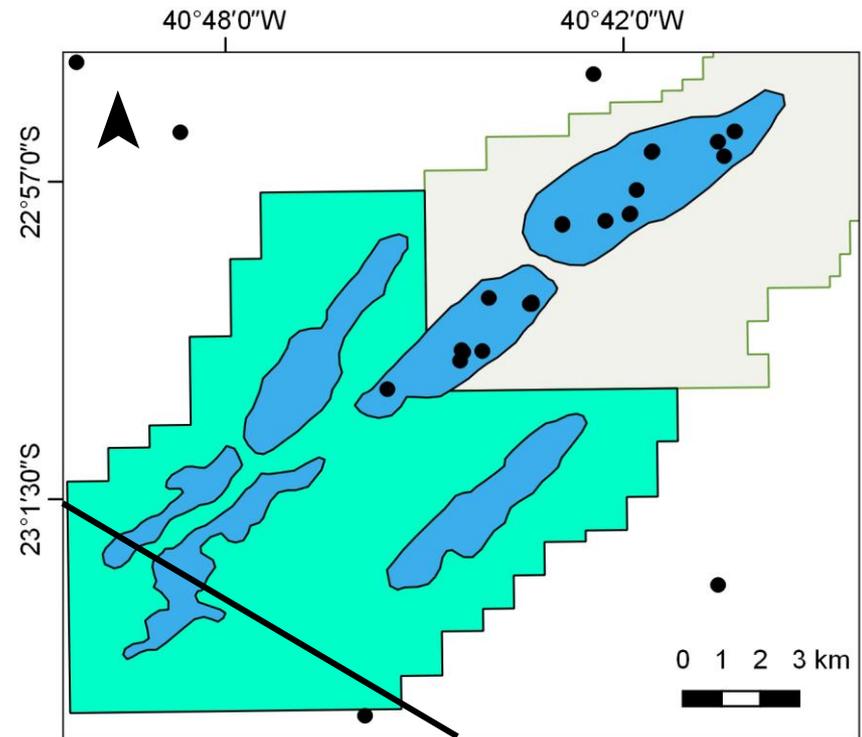
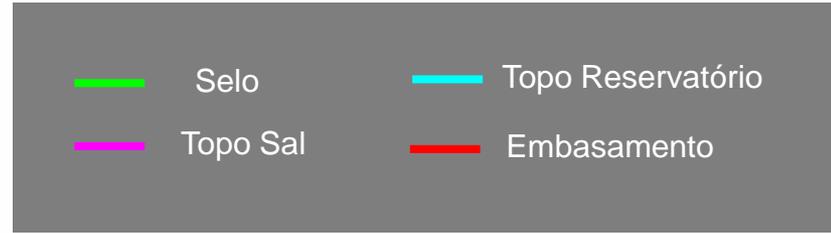
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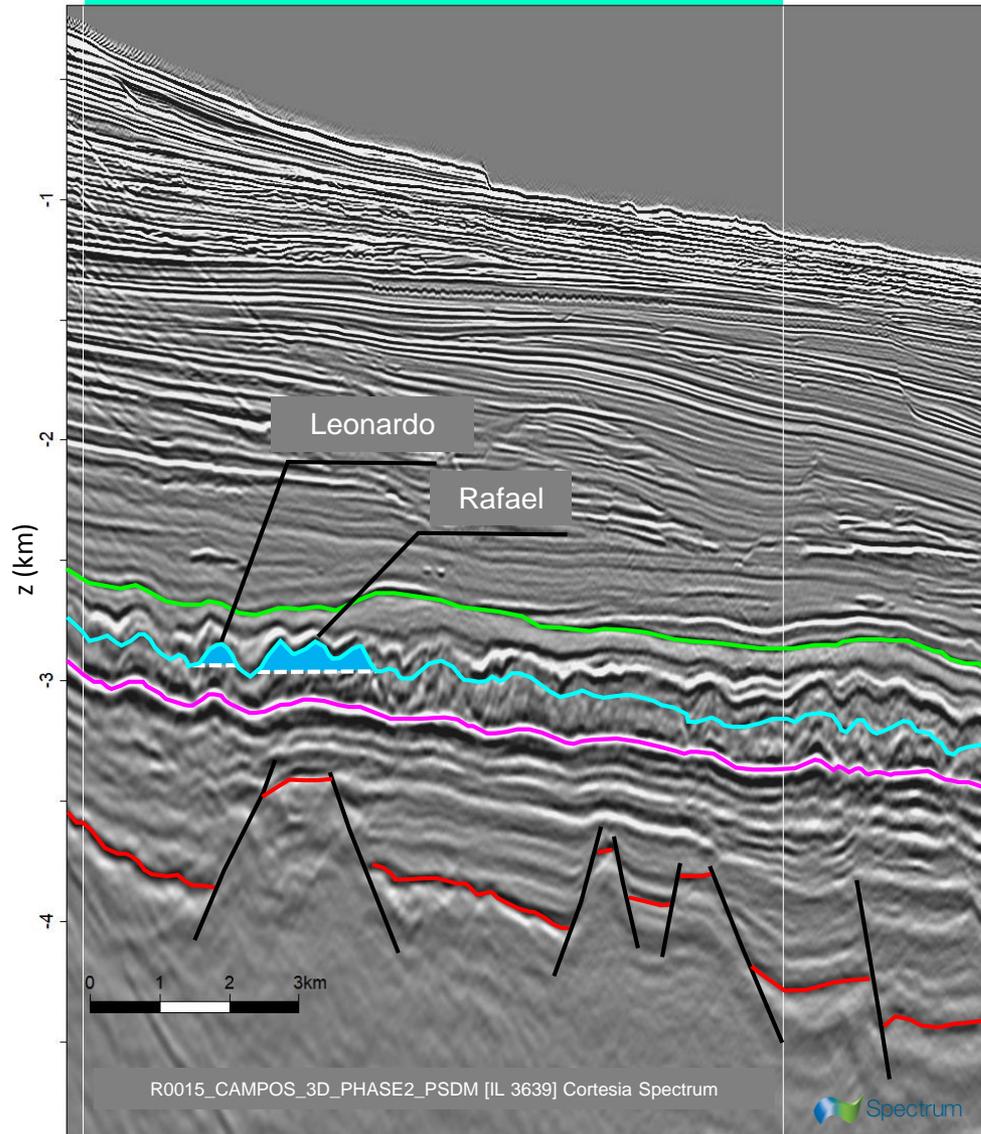
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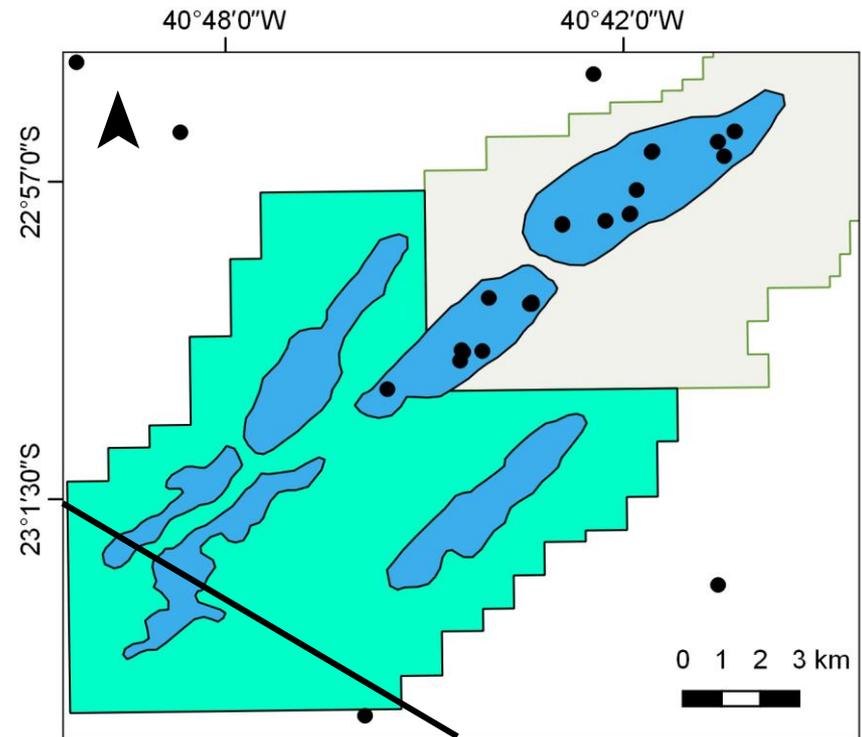
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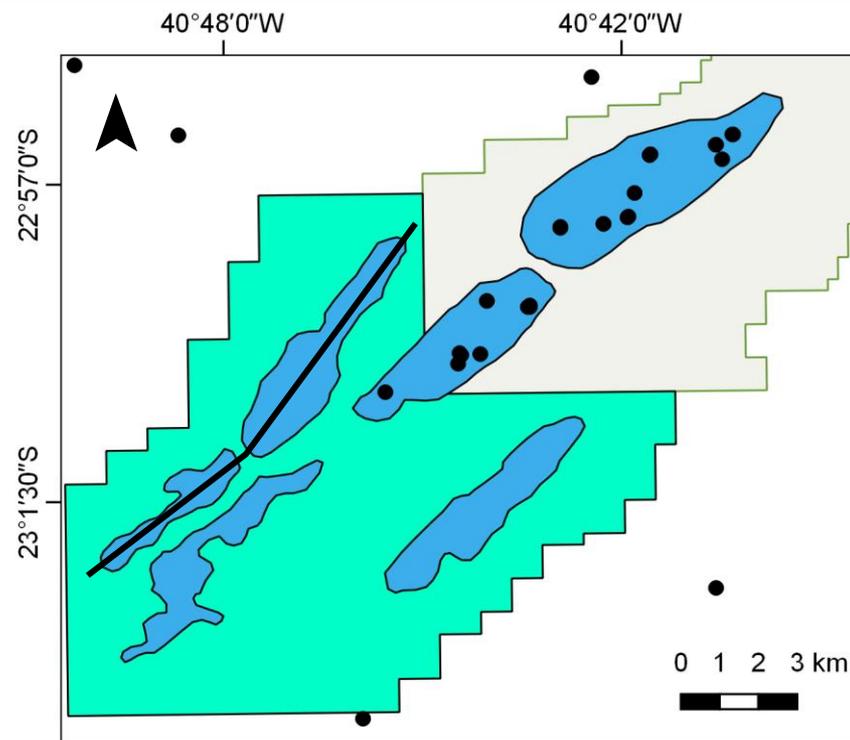
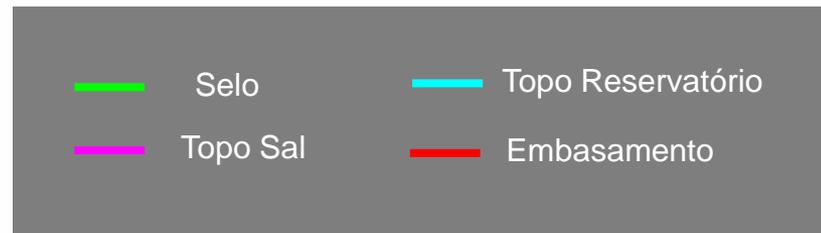
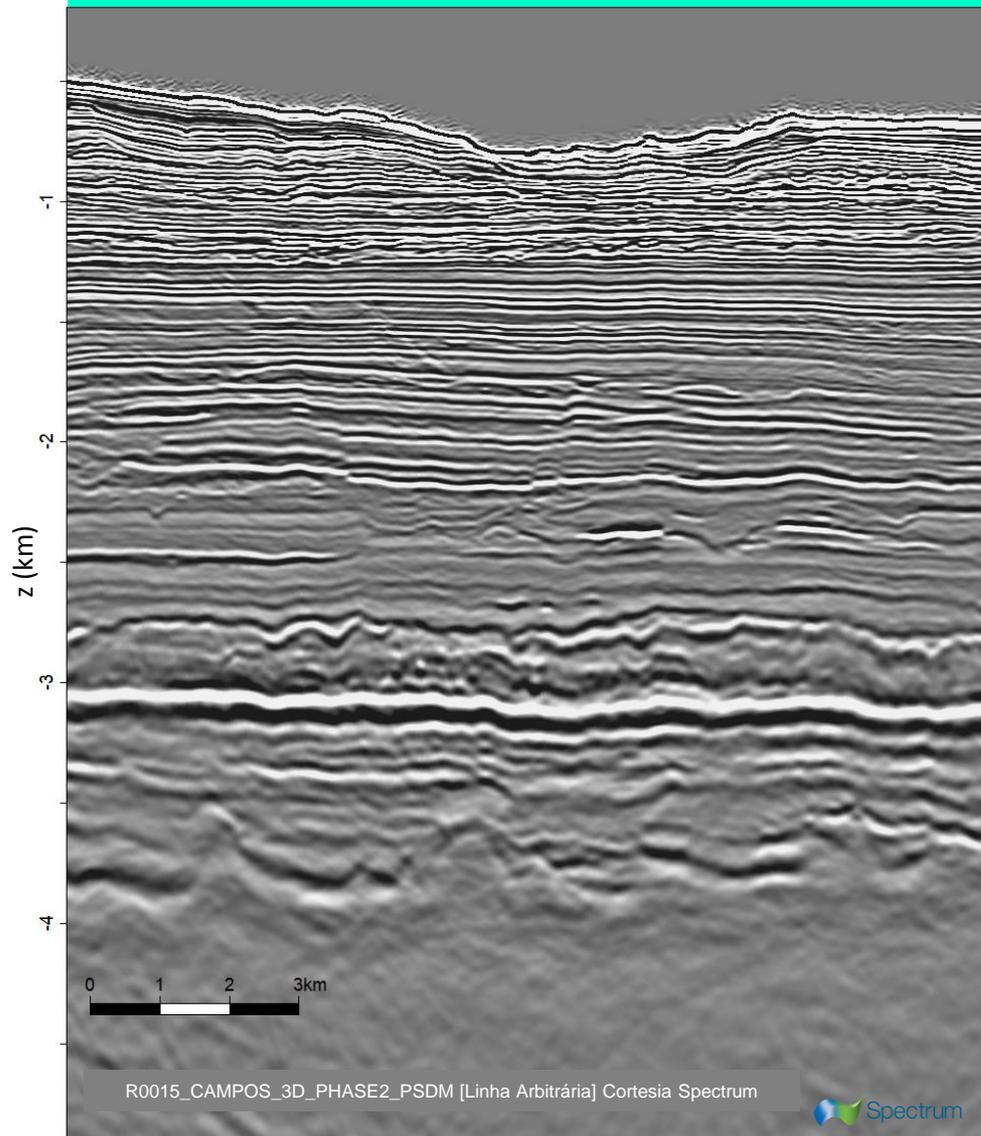
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Linha strike – Leonardo e Donatello

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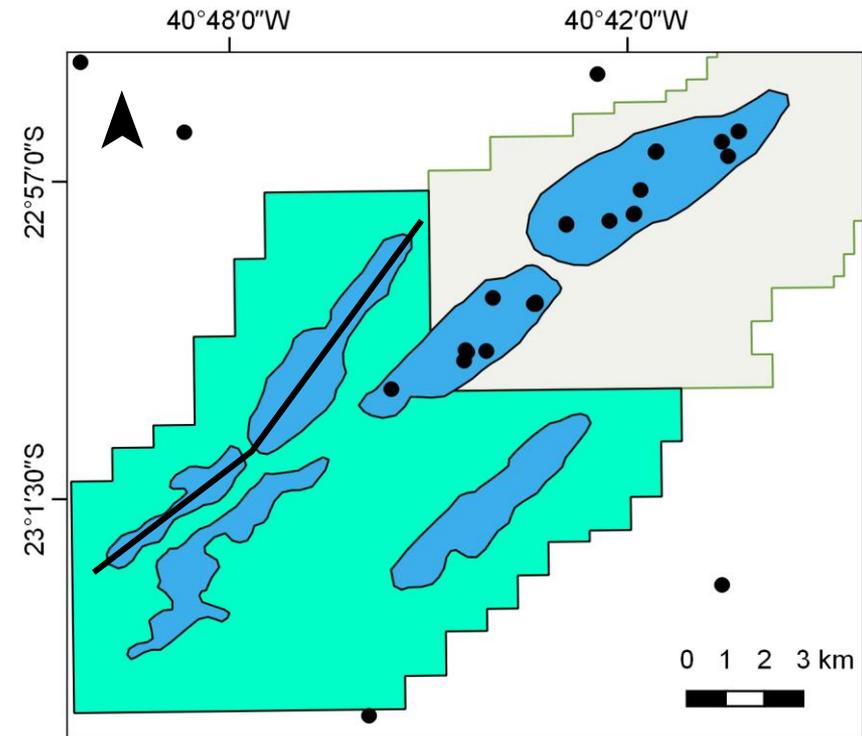
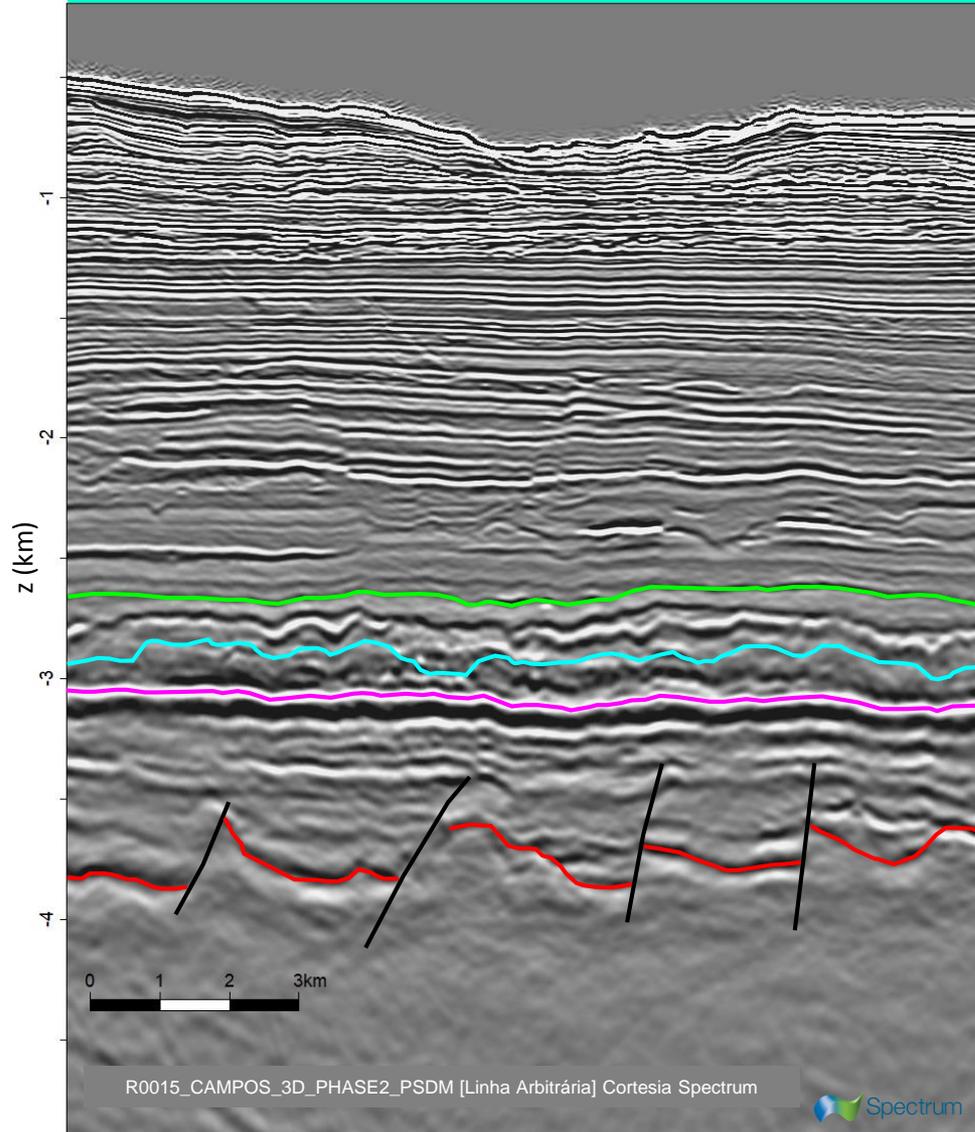
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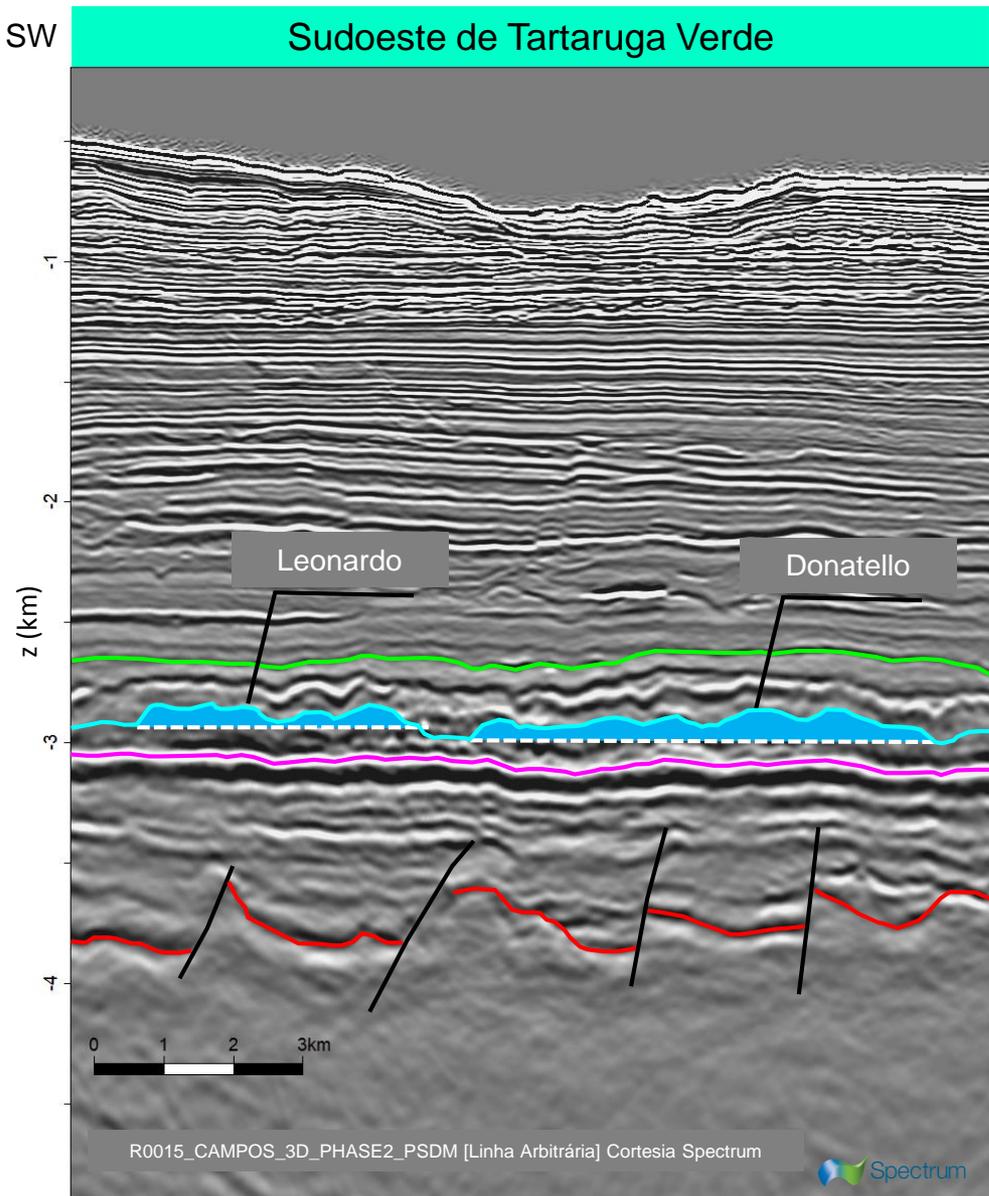
Linha strike – Leonardo e Donatello

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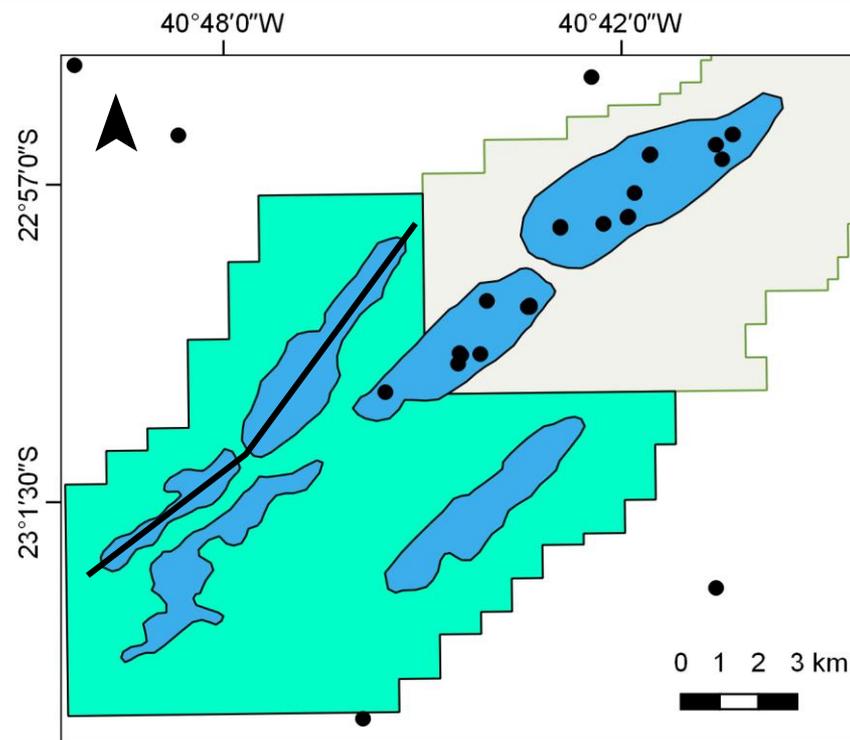
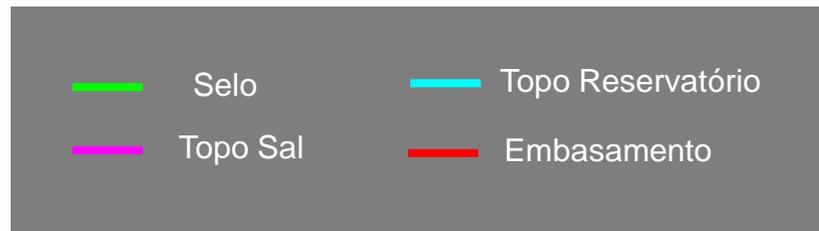
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Linha strike – Leonardo e Donatello



NE

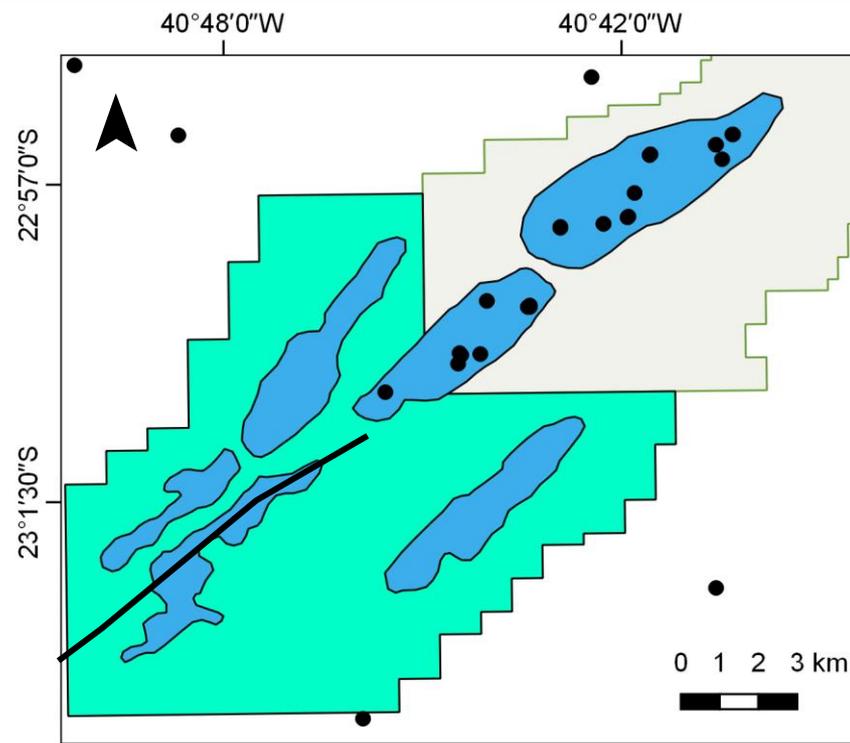
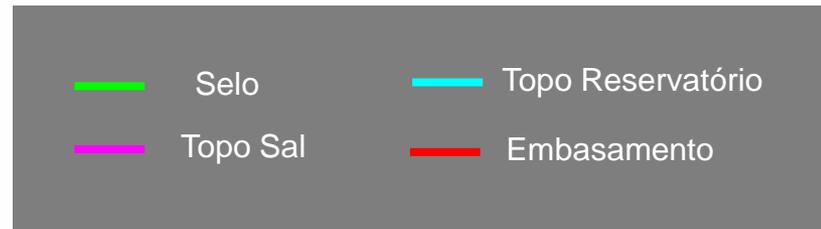
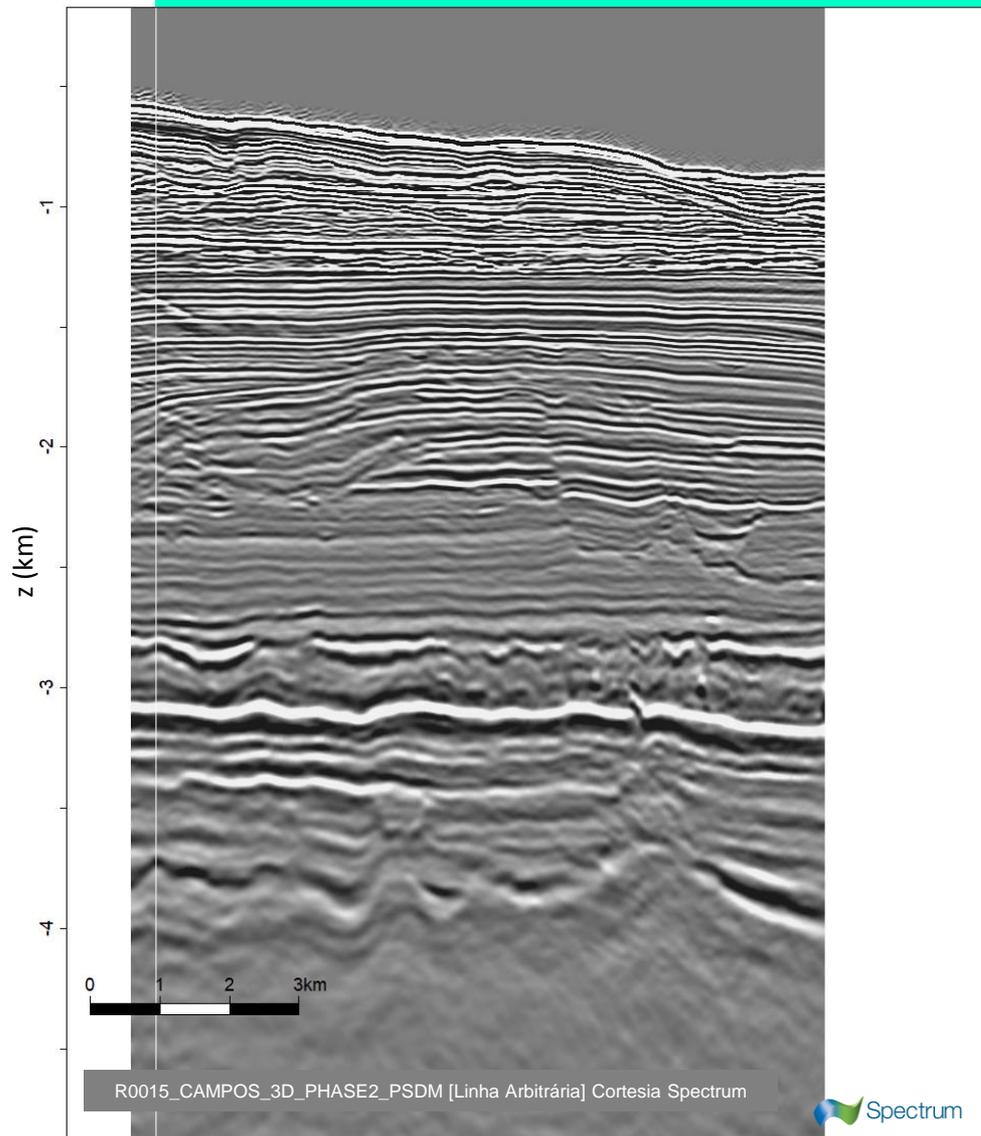


Linha strike – Rafael

SW

Sudoeste de Tartaruga Verde

NE

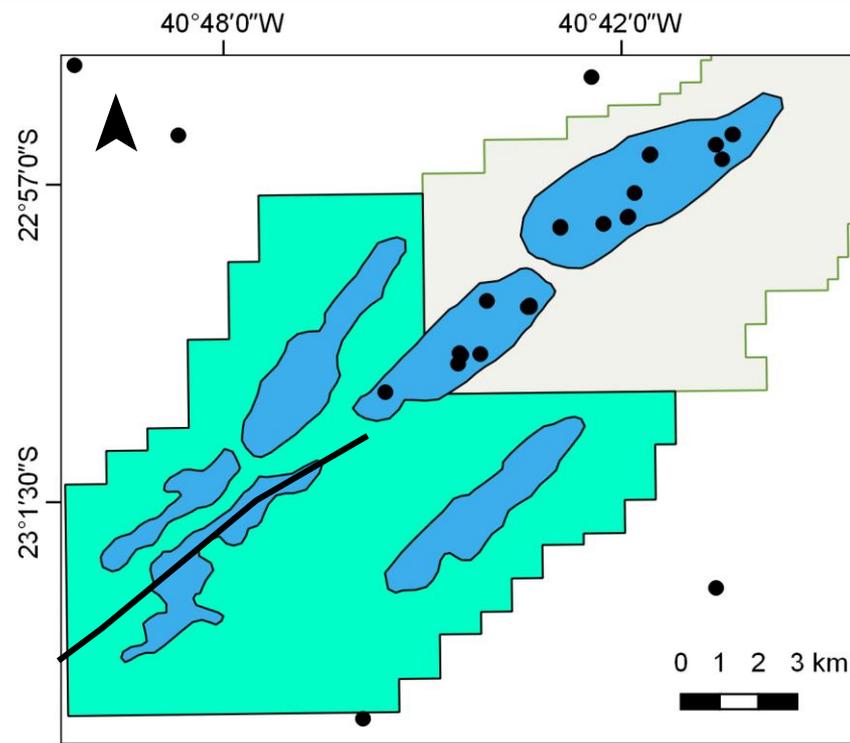
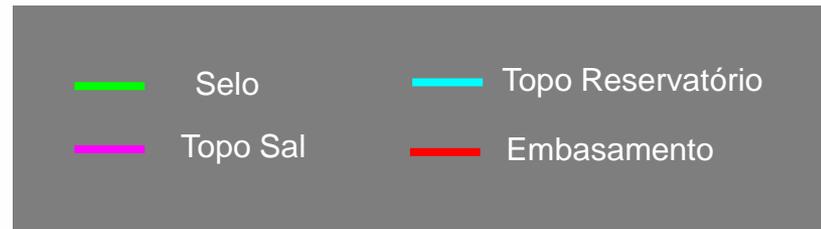
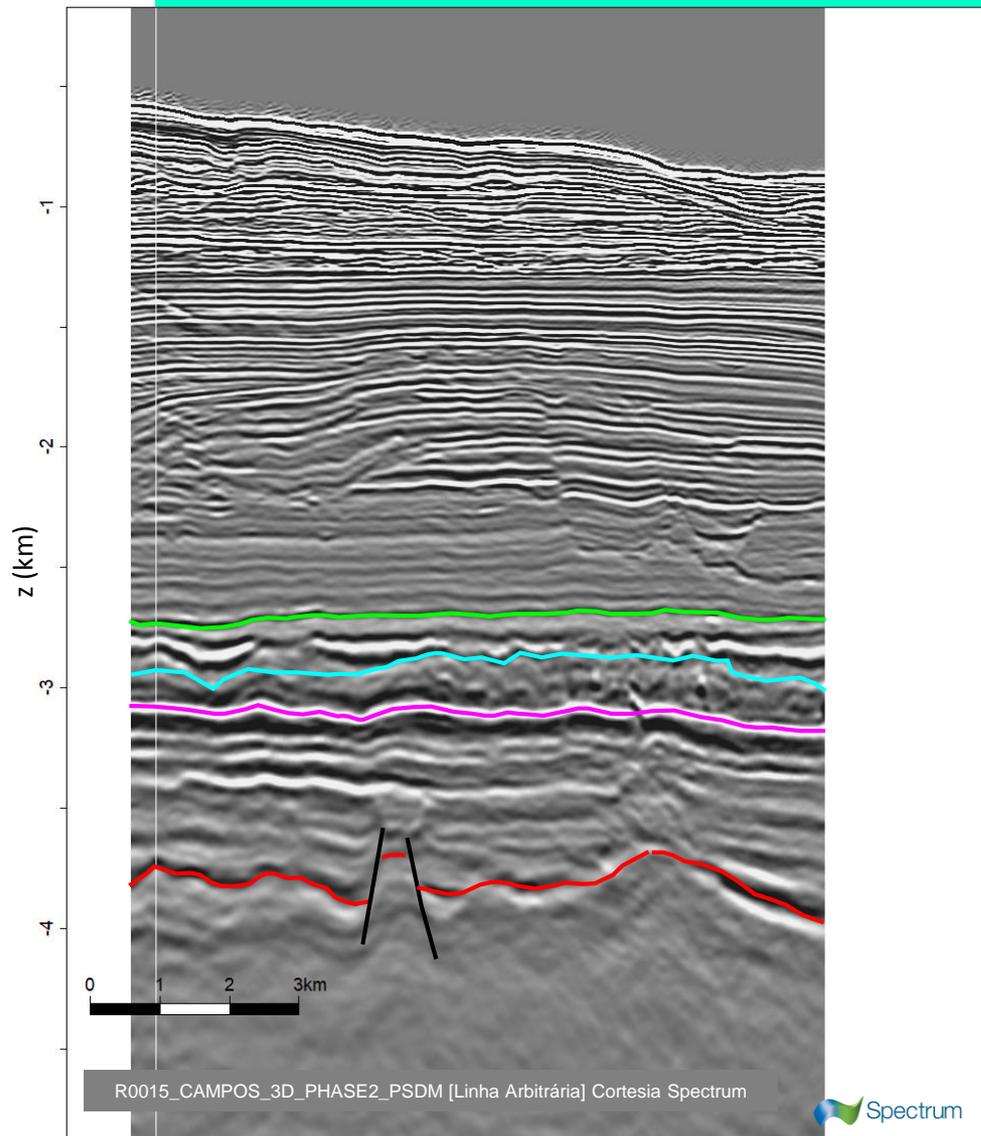


Linha strike – Rafael

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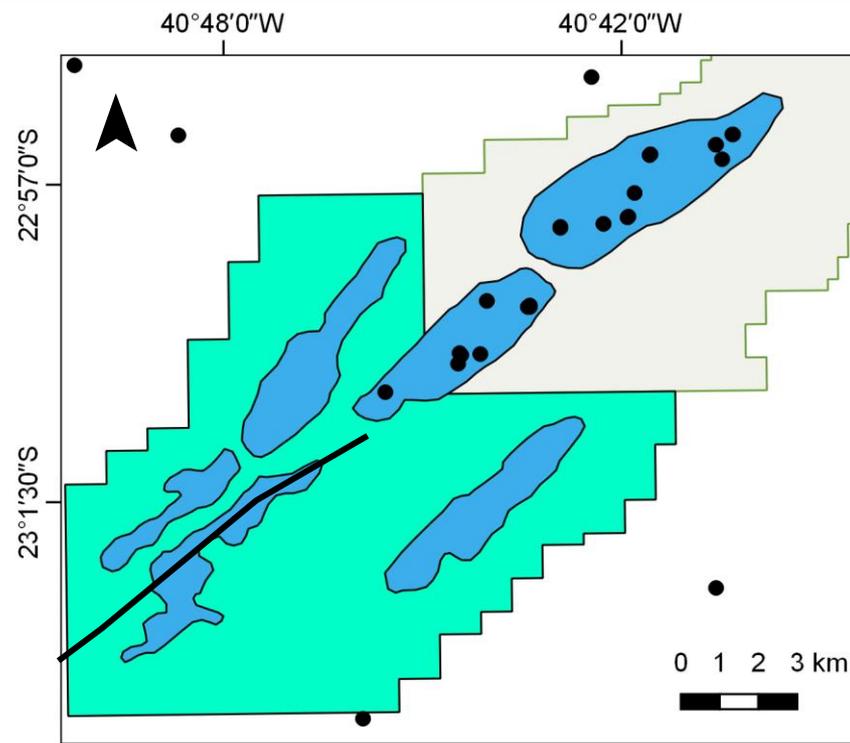
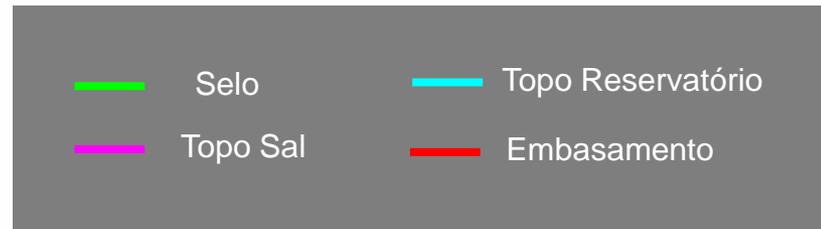
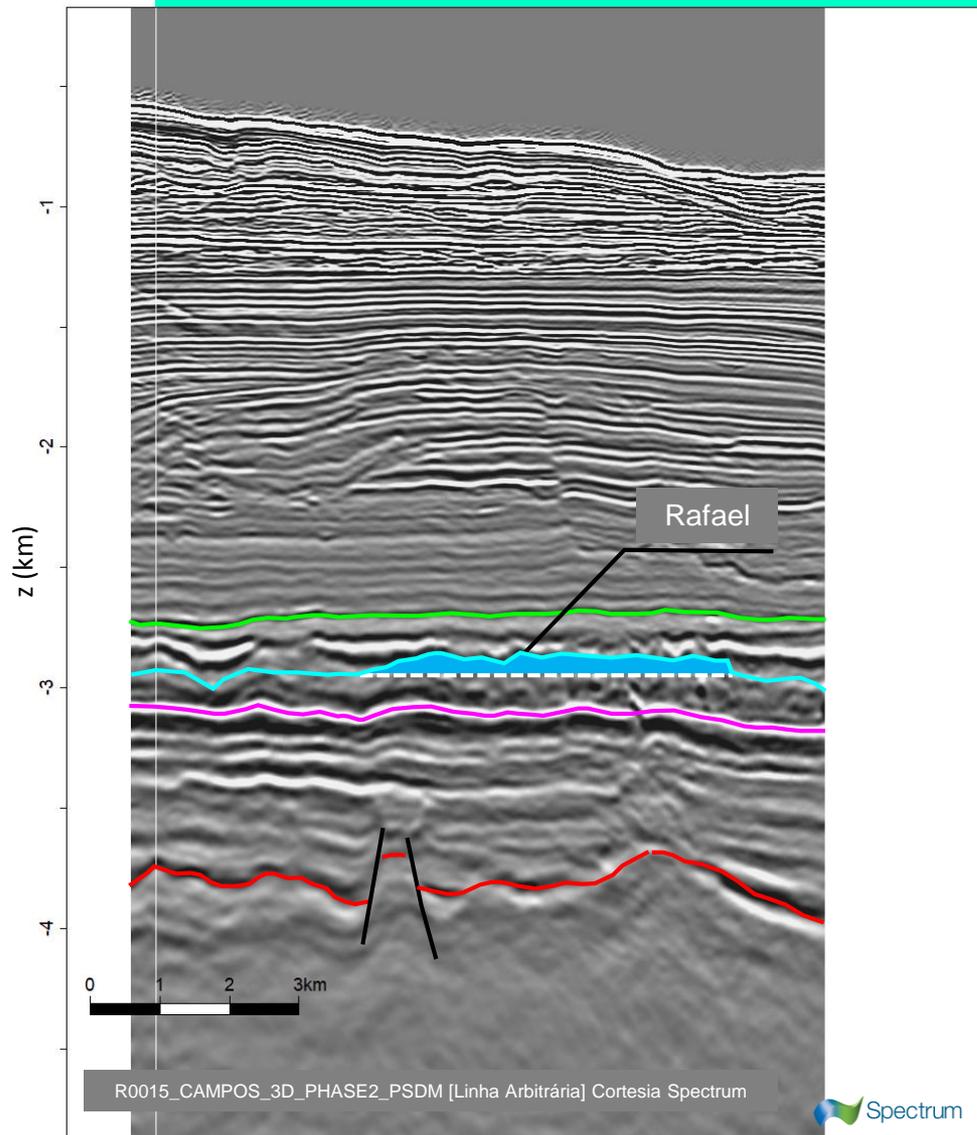


Linha strike – Rafael

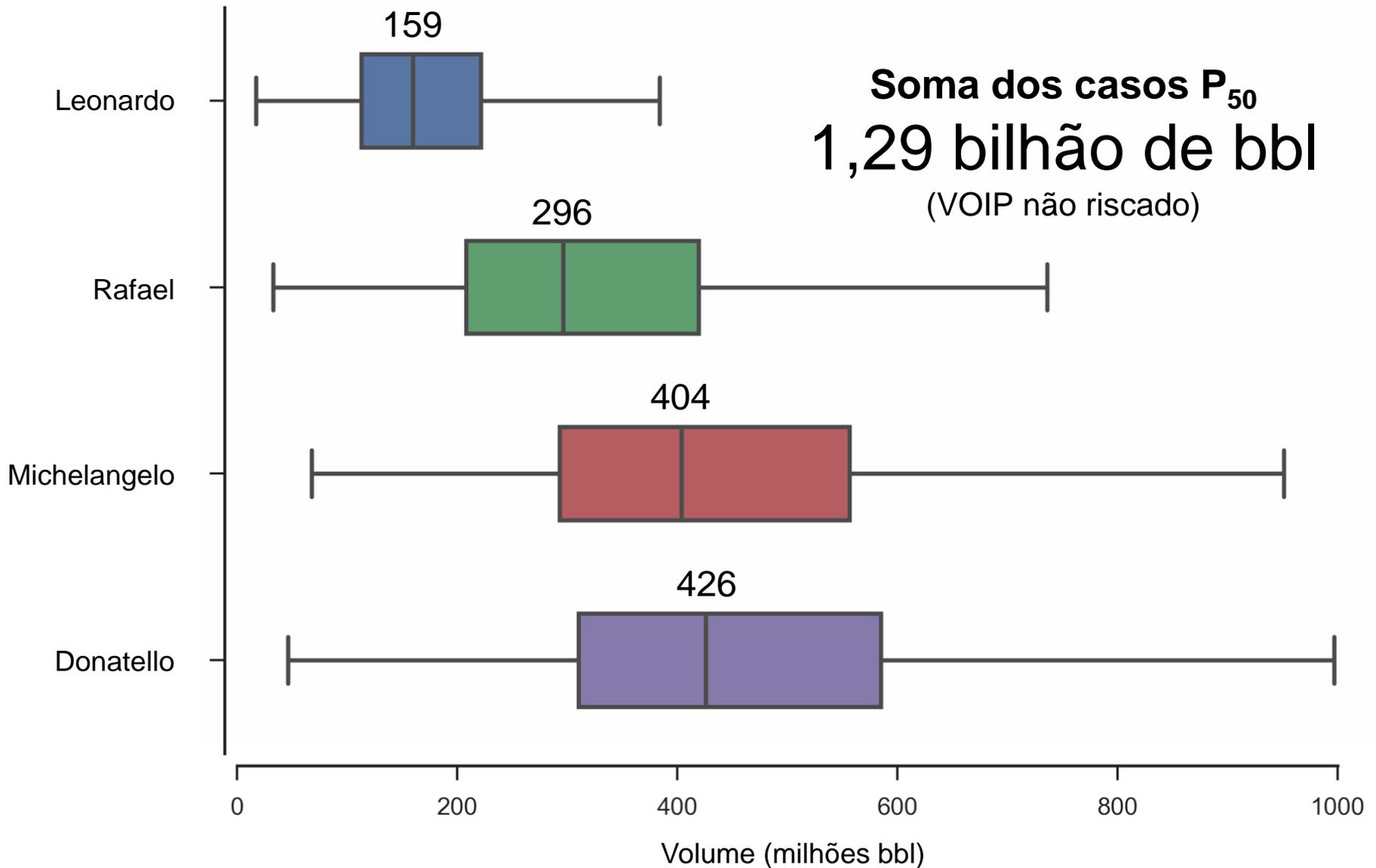
SW

Sudoeste de Tartaruga Verde

NE



Estimativas de volume



Roteiro

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4 Conclusões

Estrutura Tartaruga Mestiça

Volume expressivo de óleo dentro do bloco

Grande potencial para maiores descobertas no mesmo *play*

Agência Nacional do Petróleo, Gás Natural e Biocombustíveis ANP

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Referências

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