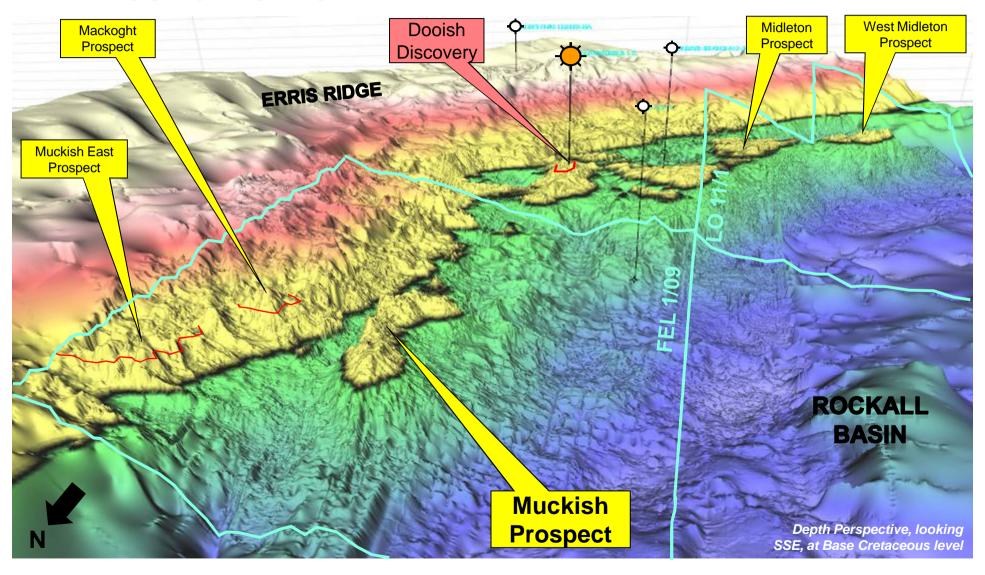
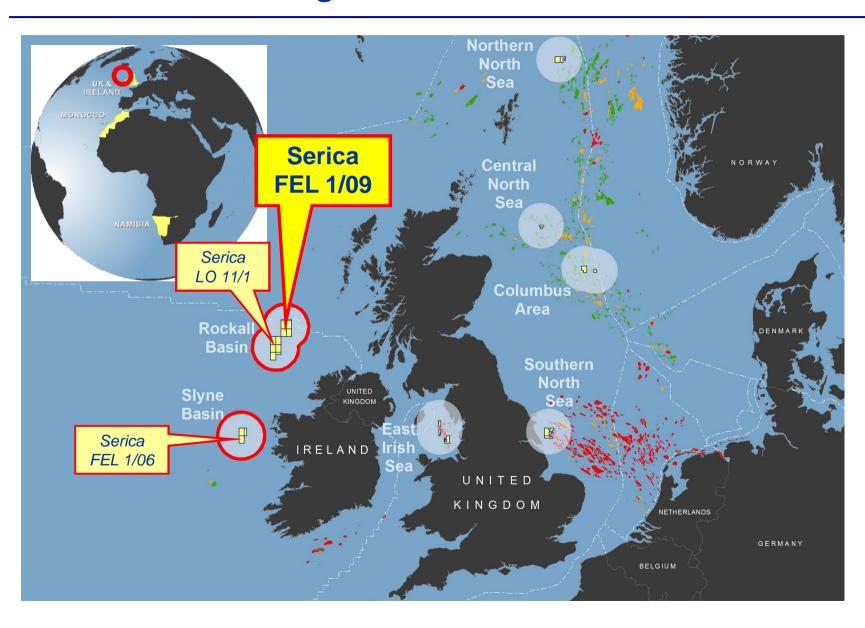
ATLANTIC IRELAND FARM-OUT OPPORTUNITY

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Muckish Prospect, FEL 1/09, Irish Rockall Basin

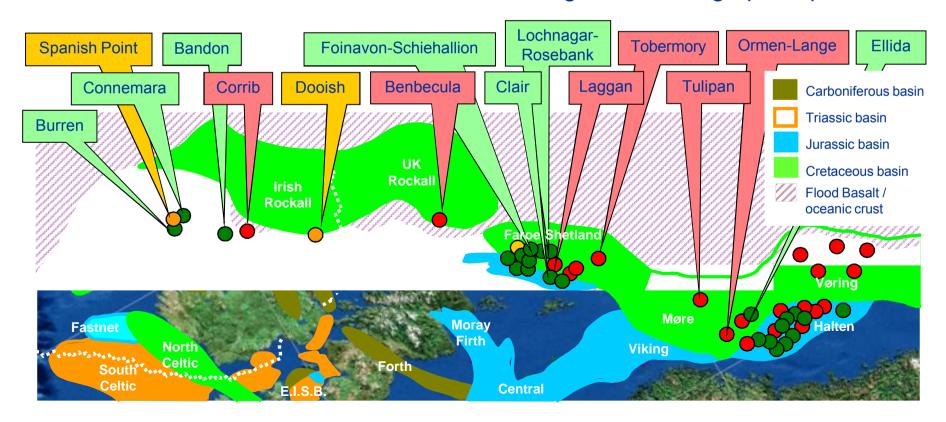
SERICA IRELANDRockall Basin Acreage



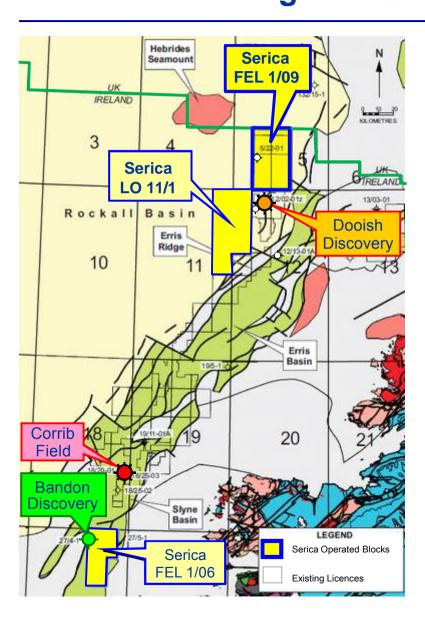
WHY ATLANTIC IRELAND? Geological Factors

- Shared geology with UK, Faroe & Norwegian Atlantic margins
- Numerous overlapping basins and multiple phases of rifting
- Six oil and gas fields / discoveries
- More than one proven play

- Numerous pre, syn and post-rift reservoirs & seals
- Several proven source rocks
- Numerous wells with shows
- Many large undrilled structures
- Significant stratigraphic upside



INTRODUCTION Rockall Basin Regional Setting



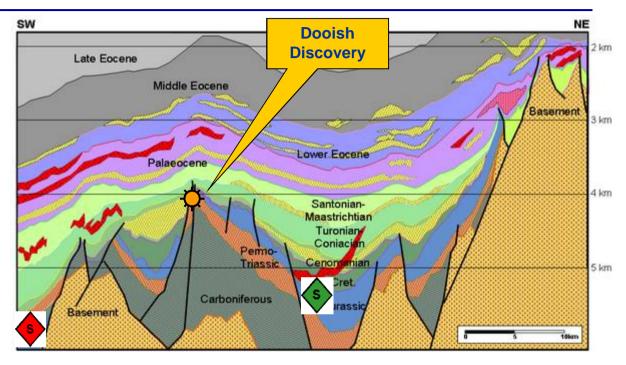
- Deepwater (500 2000m)
- Only 3 exploration wells in Irish sector Rockall Basin
- Dooish Discovery (12/2-1,1z) proved a hydrocarbon system
 - Seals: Tertiary to Lower Cretaceous
 - Reservoirs: Jurassic to Carboniferous.
 - Source: most likely Jurassic
- Dooish Discovery reserves 265 bcf + 17 mmbbls 45 °API condensate (Shell, 2010)
- Large structural closures mapped on high-quality 3D seismic data in adjacent Serica acreage
- Serica's Muckish Prospect is drill-ready
- Several additional structural prospects plus stratigraphic upside

IRISH ROCKALL BASIN Geoseismic Section illustrating Key Plays

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Reservoir

- Fractured basement
- Carboniferous fluviodeltaic sandstones
- Permian continental sandstones
- Triassic continental sandstones
- Middle Jurassic continental / fluvial sandstones
- Upper Jurassic shallow to deep marine sandstones
- Cretaceous shelf/slope turbidite fan sandstones
- Palaeocene & Eocene turbidite fans



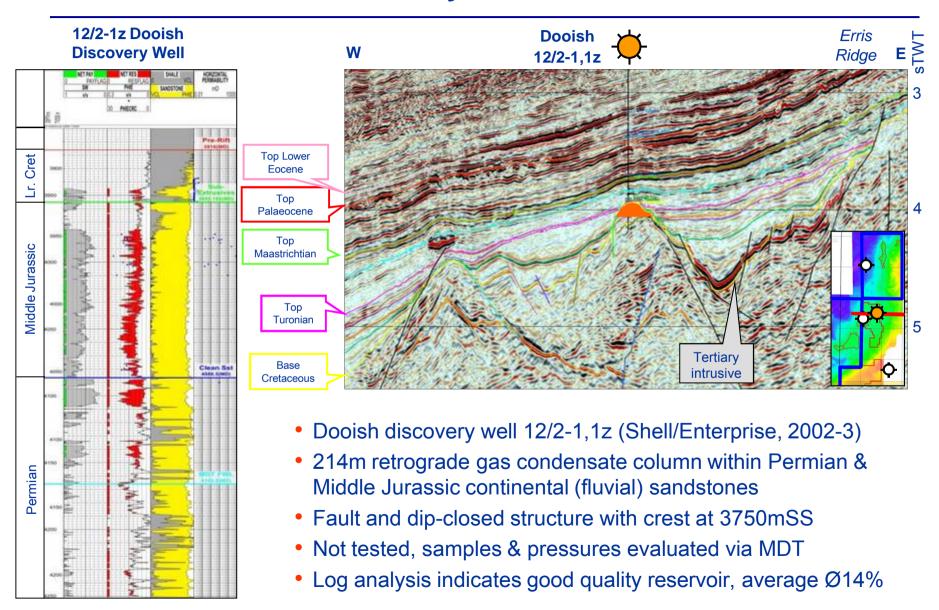
Trap

- Pre-Cretaceous conventional tilted fault blocks
- Post-Cretaceous drape anticlines
- Cretaceous to Tertiary stratigraphic pinch-outs

Source

- Probable Upper Jurassic oil shales (Kimmeridge Clay equivalent)
- Possible Middle Jurassic oil shales and/or Carboniferous coals & oil shales

IRISH ROCKALL BASIN 12/2-1,1z Dooish Discovery



IRISH ROCKALL BASIN Dooish Reservoir Fluid

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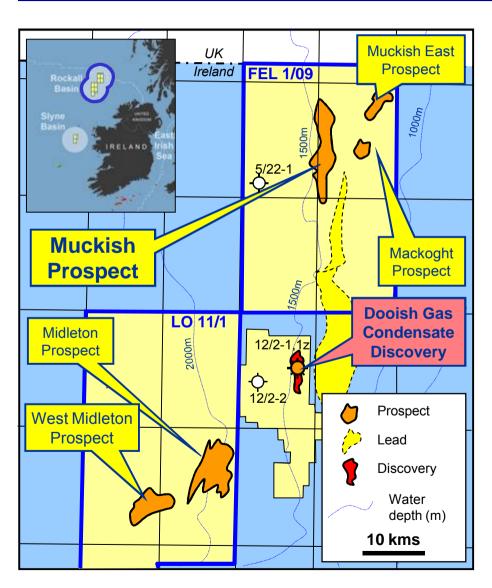
- Rich 45 °API retrograde gas condensate
- Geochemical analysis suggested a mixed terrestrial/marine source rock at peak maturity
- However, liquids content (up to C₃₀) suggests a preference for a liquids-prone Jurassic source as opposed to a dry gas-prone Carboniferous source
- Possibility of an early oil charge flushed by a later wet gas charge



Upscaled Tank Properties	Units	Distr. Type	Mean	Std.Dev	
GRV Gas (from XTRAP)	10 ⁹ m ³	ExpCurve	0.456	0.15	
GWC	m	ExpCurve	4133	3.1	
Net/Gross Gas	%	ExpCurve 88		6.2	
Porosity Gas	%	ExpCurve	13.77	1.13	
Saturation Gas	%	ExpCurve	63.8	4.16	
RF Gas	factor	ExpCurve	0.61	0.038	
R F Condensates	factor	ExpCurve	0.26	0.019	
% non-HC Gas	%	Spike	0	0	
CGR stm ³ /	10^6stm^3	Triangular.	725	118	
FVF Gas (Bg)	rm ³ /stm ³	Normal	0.00327	7e-5	

Table. Static reservoir model parameters.

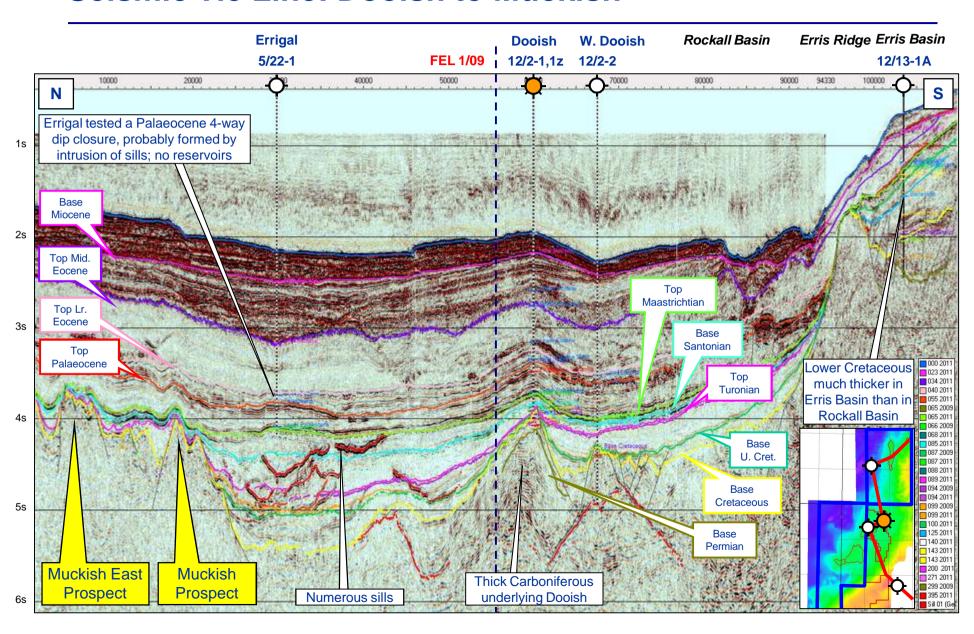
IRISH ROCKALL BASIN Muckish Prospect Drilling Opportunity



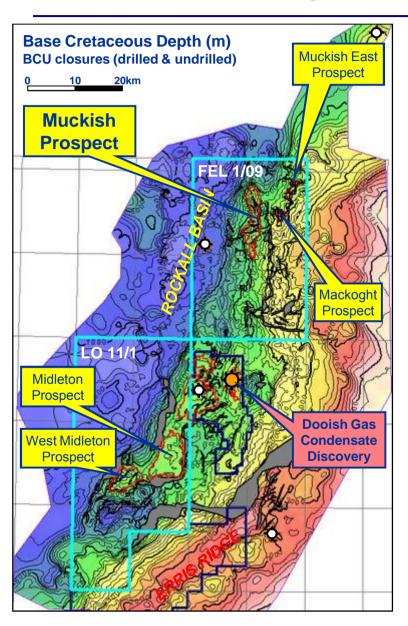
- Located 30 kms north along strike from Dooish Discovery
- Large tilted fault block, clearly defined on 3D seismic data
- 2013 Muckish exploration well to target P₅₀ recoverable 1285 bcf wet gas + 164 mmbbls condensate*
- Water depth ~1500m
- Additional prospects with significant upside:
 - Muckish East, Mackoght, Midleton and West Midleton
- Seeking one or more companies to participate in drilling a Muckish exploration well

^{*} Based on Serica's Best Technical Case

IRISH ROCKALL BASIN Seismic Tie Line: Dooish to Muckish



IRISH ROCKALL BASIN The Muckish Prospect



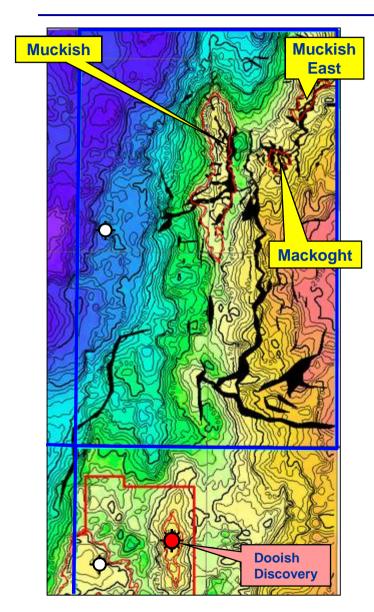
- Large tilted fault block analogous to the Dooish Discovery
- Crest at 4000 mSS
- 31 km² areal closure and over 600 m of vertical closure

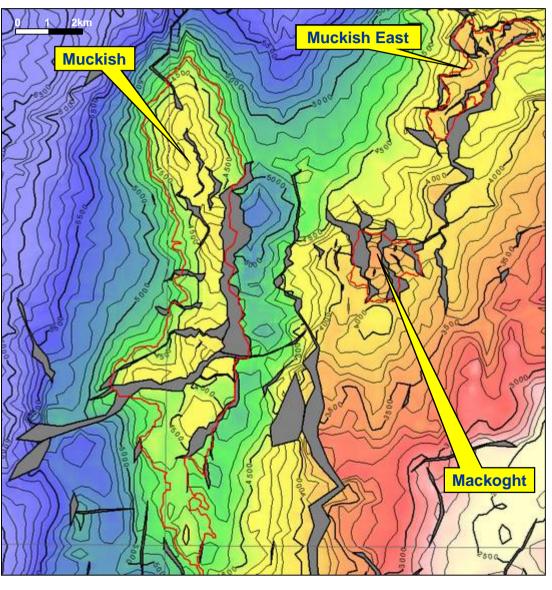
Muckish GIIP	P ₉₀	P ₅₀	P ₁₀	COS	
	417	1973	5287	20%	
Muckish Reserves	P ₉₀	P ₅₀	P ₁₀	cos	
Gas bcf	270	1285	3442	20%	
Condensate mmbbls	34	164	446		

IRISH ROCKALL BASIN

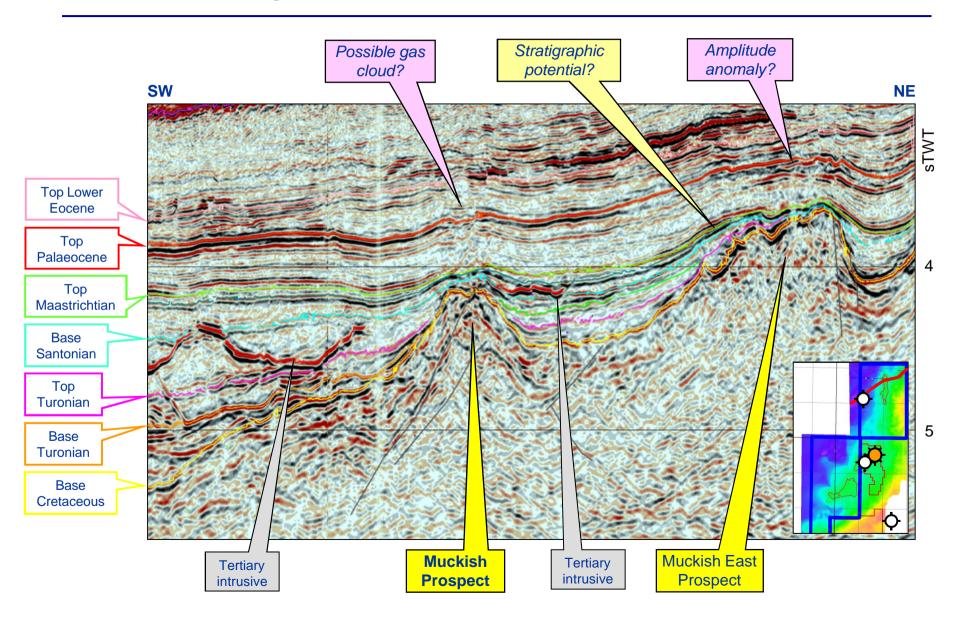
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Muckish: Depth Map on Base Cretaceous

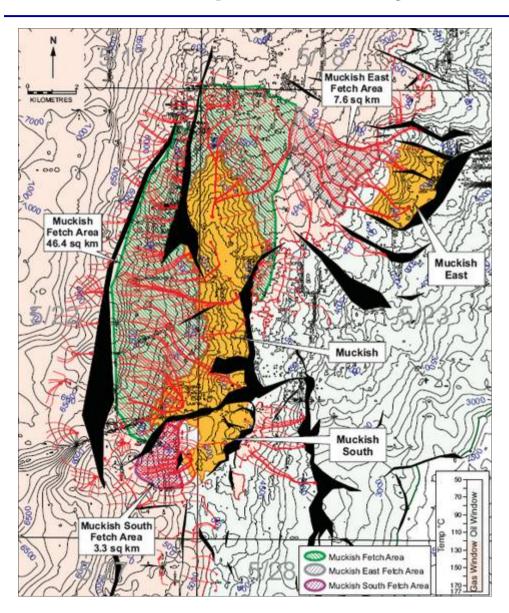




IRISH ROCKALL BASIN Muckish Prospect SW-NE Seismic Line



IRISH ROCKALL BASIN Muckish Prospect Maturity Modelling

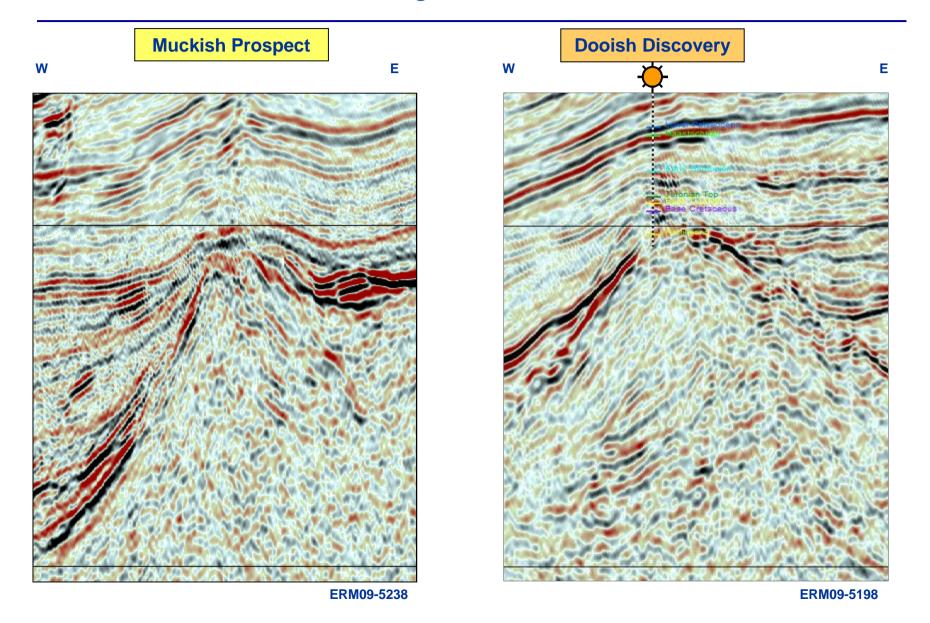


- Muckish has access to potentially large mature kitchen to west and north
 - No migration shadows, with direct migration pathways into structure
- Rich, wet gas-condensate is the expected phase, but oil is possible
- Uncertainties in source rock age and regional heat flow models
 - Assumes a high geothermal gradient (at Dooish, 40 °C/km)
 - Maturity mapping is based on thickness of sediment down to Base Cretaceous
 - Older, more deeply buried source rocks will be more gasprone

IRISH ROCKALL BASIN

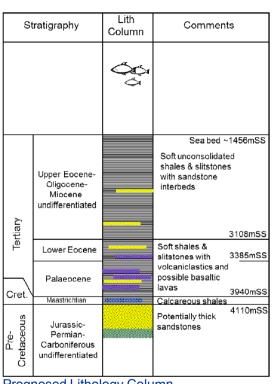


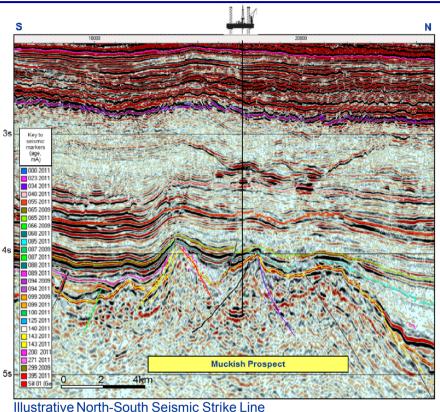
Muckish vs. Dooish, TGS 2D Long Offset Seismic Data

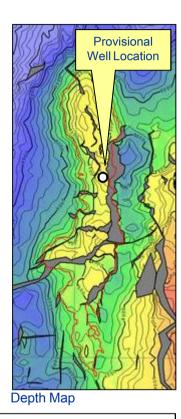


IRISH ROCKALL BASIN Muckish Prospect Drilling Prognosis

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Prognosed Lithology Column

Formation Tops:

1456mSS 1.938sTWT Seabed 2451mSS 2.811sTWT Miocene/Eocene Unconformity 3108mSS 3.387sTWT Lower Eocene

3385mSS 3.685sTWT Palaeocene Volcanics

3940mSS 3.970sTWT Maastrichtian

4033mSS 4.024sTWT Santonian Limestone

4110mSS 4.069sTWT Base Cretaceous

Provisional Location:

Inline 12132, Crossline 21050

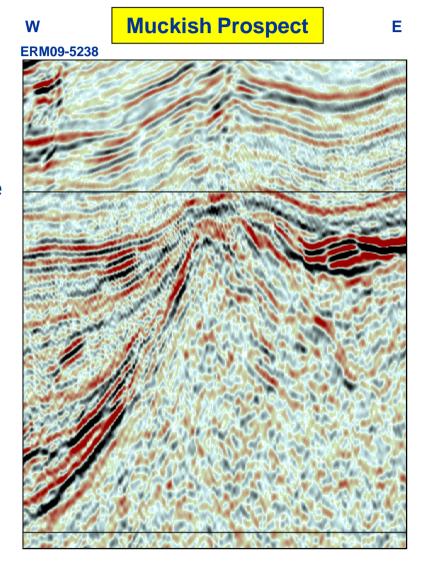
X: 464449.5 m. Y: 6234412.6 m

Lat: 56° 15' 7.1796", Long: -9° 34' 25.420"

UTM Zone 29N

IRISH ROCKALL BASIN Muckish Prospect Conclusions

- The Dooish Discovery has established a proven hydrocarbon system, and is potentially economic
- Further large discoveries in close proximity would have a significantly improved chance of commerciality
- The Muckish Prospect is a tilted fault-block structure analogous to Dooish
- P₅₀ GIIP 1973 bcf and P₅₀ recoverable 1285 bcf wet gas + 164 mmbbls condensate*
- Muckish East & Mackoght (FEL 1/09) and Midleton & West Midleton Prospects (LO 11/1) represent substantial upside
- With significant size and modest risk, the Muckish Prospect could be the next big discovery in the Rockall Basin



^{*} Based on Serica's Best Technical Case

MUCKISH PROPSECT, ROCKALL BASIN FARM-OUT OPPORTUNITY

