

Energy Solutions

AGM PRESENTATION

JANUARY 26, 2012

Disclaimer and Forward-looking Statements



The information contained in this document may include forward-looking statements including opinions, assumptions, estimates and expectations of future prospects for the Company and financial projections. When used in this document, the words "anticipate," "believe", "estimate," "expect," "intend," "may," "project," "plan," "will," "should" and similar expressions are intended to be among the statements that identify forward-looking statements.

Forward-looking statements are subject to a wide range of risks and uncertainties, and although the Company believes that the expectations represented by such forward-looking statements are reasonable; there can be no assurance that such expectations will be realized. Any number of important factors could cause actual results to differ materially from those in the forward-looking statements including, but not limited to, volatility of oil and natural gas prices, changes in the oil and gas industry, the Company's ability to implement corporate strategies and obtain financing, the state of capital markets, operating risks, changes in general economic conditions and other factors more fully described from time to time in the reports and filings made by the Company with securities regulatory authorities.

Neither the TSX-Venture nor NASDAQ OTCBB Exchanges accept responsibility for the adequacy or accuracy of any information contained in this document.

Board and Management



Management	Non-Executive Directors	Geosciences Advisory Board
<p>George Liszicasz Chairman & CEO</p> <p>Greg Leavens, C.A. Chief Financial Officer</p> <p>Andy Steedman, M.B.A. V-P Operations</p> <p>Grafton Withers, M.B.A. V-P Marketing & Sales</p>	<p>Charles Selby <i>Caledonian Royalty Corporation</i></p> <p>Mickey Abougoush <i>Teknica Overseas Ltd.</i></p> <p>Tom Valentine <i>Macleod Dixon LLP</i></p> <p>Brian Kohlhammer <i>Delphi Energy Corp.</i></p> <p>John Agee <i>Business Advisor</i></p>	<p>Dr. George Iusco <i>Repsol</i></p> <p>Dr. Carlos Vargas <i>National University of Colombia</i></p>
Extensive public company experience	Solid global management experience	Outstanding scientific credibility

Market Facts



Capitalization - Shares Outstanding (millions)

34.7	Common shares issued
10.0	Convertible Preferred shares (convert at 1:1, mature Dec 31, 2015)
2.7	Warrants (exercise price \$0.60, expiry Feb 16, 2012)
<u>2.8</u>	Stock options (average exercise price primarily \$0.72)
50.2	Fully diluted # of shares

D&O Insider Ownership: 17.5% Basic, 35.5% Fully diluted

52 Week High/Low: \$0.25 - \$1.29

Market Capitalization: ~\$30 million (on Basic)

Debt-Free Balance Sheet

TSX-V: **SFD**, OTCBB: **NSFDF**

Where Are We Today?



2011 Contracts backlog: \$8.96 million

PRE (Colombia and Guatemala): \$4.5 million

- US \$2.9 million (4 blocks) - data acquisition flights completed early Dec 2011, interpretation and final reports completed early Jan 2012
- US \$0.6 million contract in Guatemala planned to commence in Feb 2012
- US \$ 1.0 million contract pending finalization of award pursuant to LOI from mid 2011

Montana Land (USA) : \$150,000

- Complete

PCR (Argentina): \$1.65 million

- Flights scheduled to commence next week

South Asia: \$2.66 million

- Contract signed, awaiting final regulatory permits, planned to commence in Q1-2012

Currently negotiating additional contracts for Ecuador, Argentina, Colombia

The momentum is building

Milestones Reached in 2011

Major Expansion in Customer Acceptance of SFD

- Largest repeat client to date – US\$ 3 million survey, completed in 2 months
- Projects underway in 4 separate countries, 3 of which are new footholds (Argentina, Guatemala, South Asia)
- SFD is being used to confirm client's conclusions on existing seismic data as part of their overall exploration risk reduction!

Revenue Generation

- Created revenue backlog potential of up to \$9 million

New Case Studies Created in 2011

- Key to customer's understanding of the benefits of SFD

Enhancing the Senior Management Team

- Grafton Withers: 20+ years international experience with premiere service company

GORR Finalized on Resource Play in Horn River Basin

- 1.5% average GORR on approx 21 sections (potential future revenue stream)

Key Objectives for 2012 and Beyond

Financial Position – Enhance It!

- Ensure we can attract premier clients
- Expand ability to acquire spec data as opportunities arise
- Ability to attract and retain specialized staff, including G&G Advisory Board
- Ability to weather potential project delays and risks

New Markets – Expand Them!

- Gain a foothold in key new growth markets such as in Brazil, Mexico, Argentina, Central America
- Offshore SFD surveys – Gulf of Mexico, Africa, Greenland

Data library – Exploit It!

- Continue to build it, and actively market it (35,000 km in Colombia alone)
- Aim to acquire new “spec” data surrounding each project flown
- High profit, low hanging fruit

Major Challenges Going Forward

Industry Acceptance of SFD – Expand It!

- Continue moving beyond the “black box” phase – high quality presentations to industry, writing of technical papers supporting the physics underlying SFD
- Patent process - will aid in customer understanding of SFD, sole source contracts, and proprietary protection of the technology

International Market Factors – Quicker & Easier Projects!

- Need to speed up the timing from customer interest through contract negotiation, granting of permits, to data acquisition
- Use of local aircraft may reduce permitting challenges, speed project execution
- Use of local agents will help build strategic relationships with NOCs and major customers (making new progress with Pemex, EcoPetrol, Repsol)
- Develop more repeat customers

Staffing

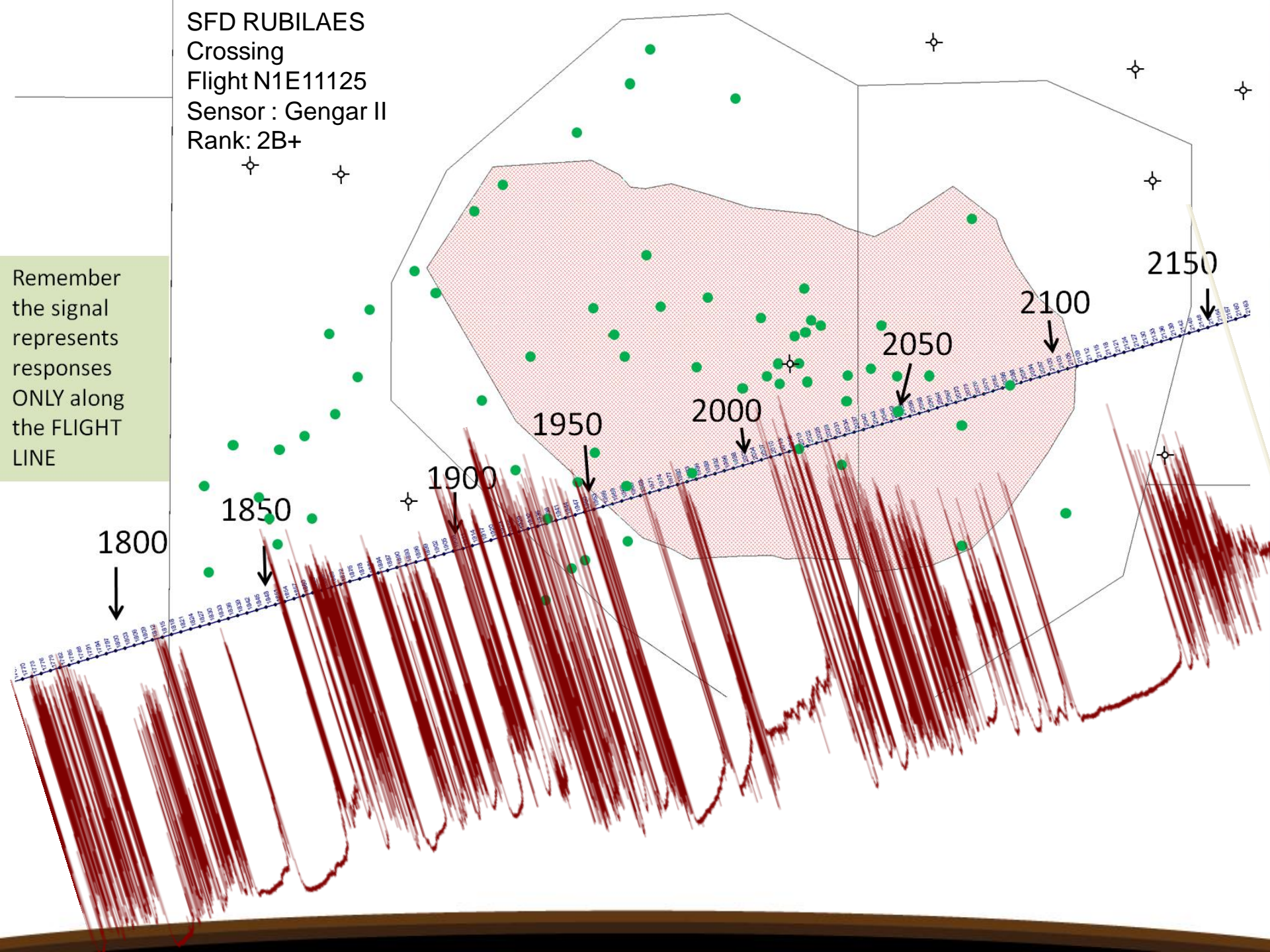
- Make sure we can attract and train staff well in advance of planned revenue expansion
- Interpretation, data management, sales and management
- Enhance the G&G Advisory Board

Examples of RUBIALES CROSSINGS

November-December 2011

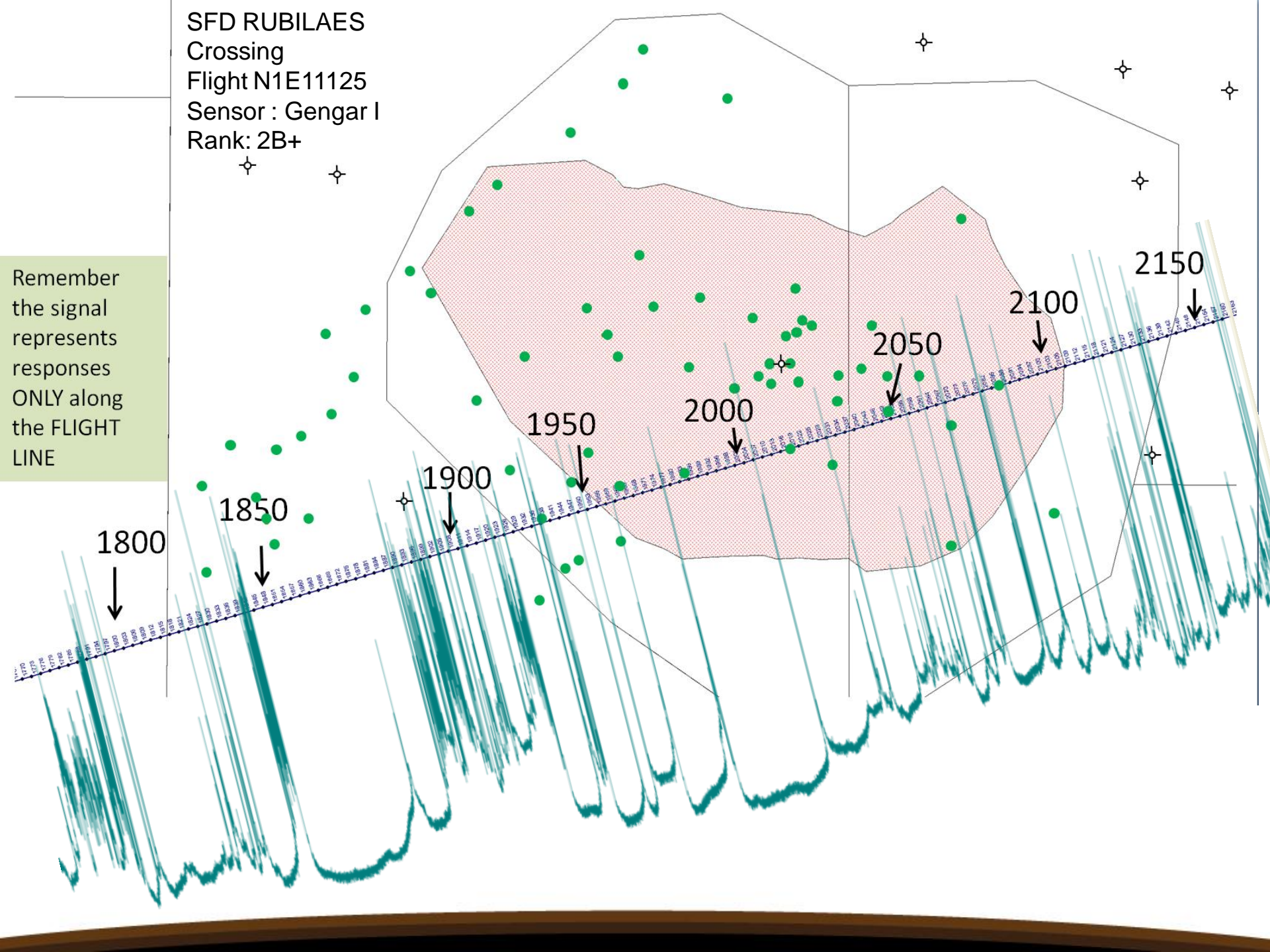
SFD RUBILAES
Crossing
Flight N1E1125
Sensor : Gengar II
Rank: 2B+

Remember
the signal
represents
responses
ONLY along
the FLIGHT
LINE



SFD RUBILAE S
Crossing
Flight N1E1125
Sensor : Gengar I
Rank: 2B+

Remember
the signal
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LINE



Advancement in signal processing

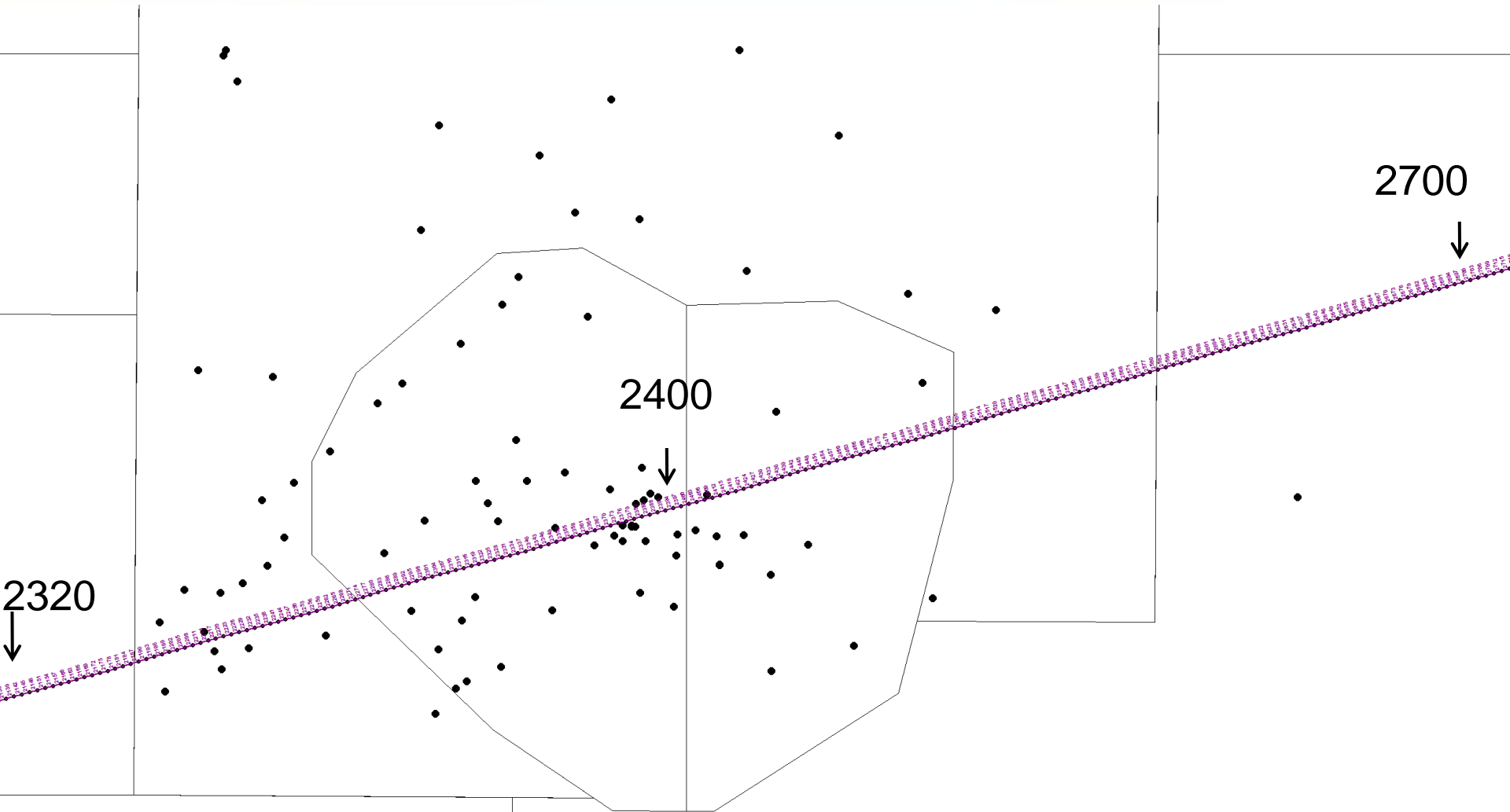
N1e11204 (Flight #1, 2011, Dec 04)

CH15 sensor

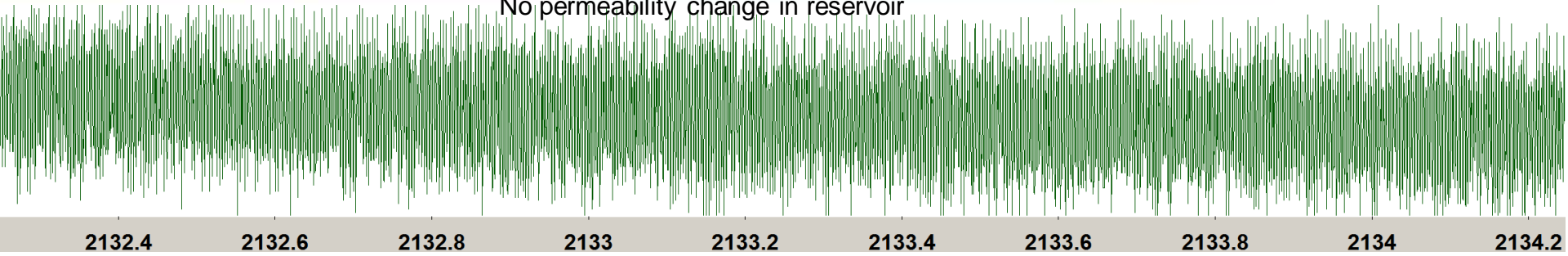
RUBIALES Oil Field

Colombia

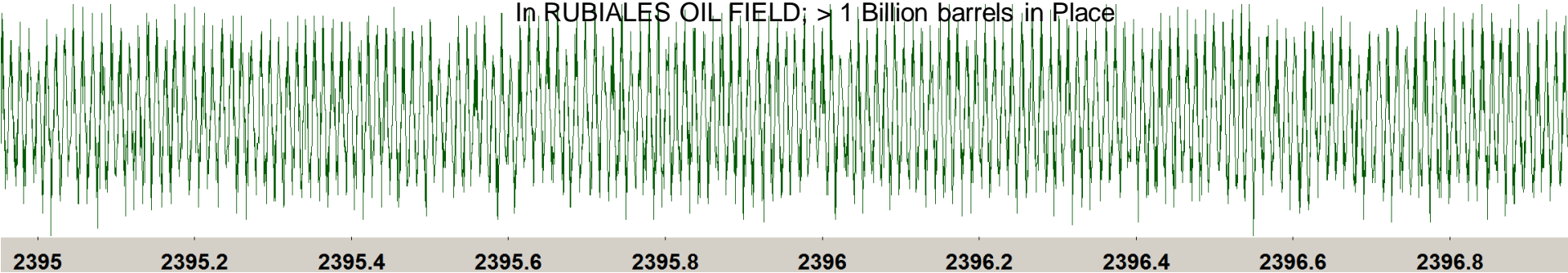
New Algorithm based on Hilbert Space Analysis (at the moment only applicable to large fields)



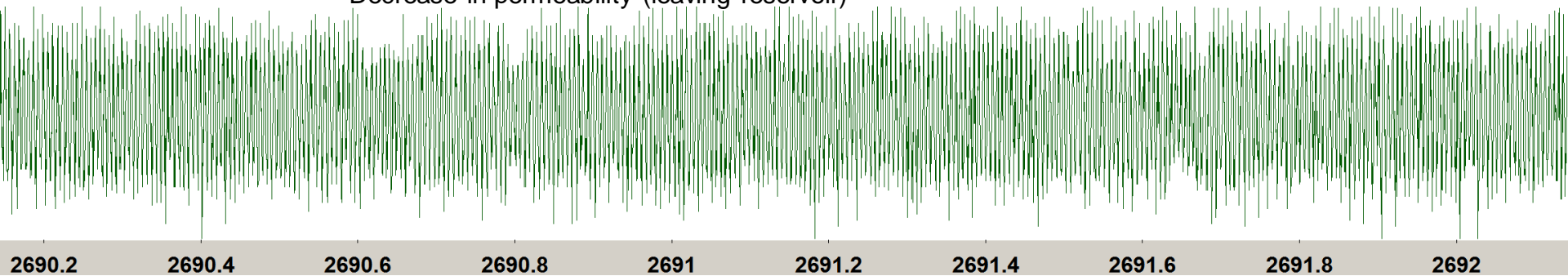
No permeability change in reservoir



In RUBIALES OIL FIELD; > 1 Billion barrels in Place

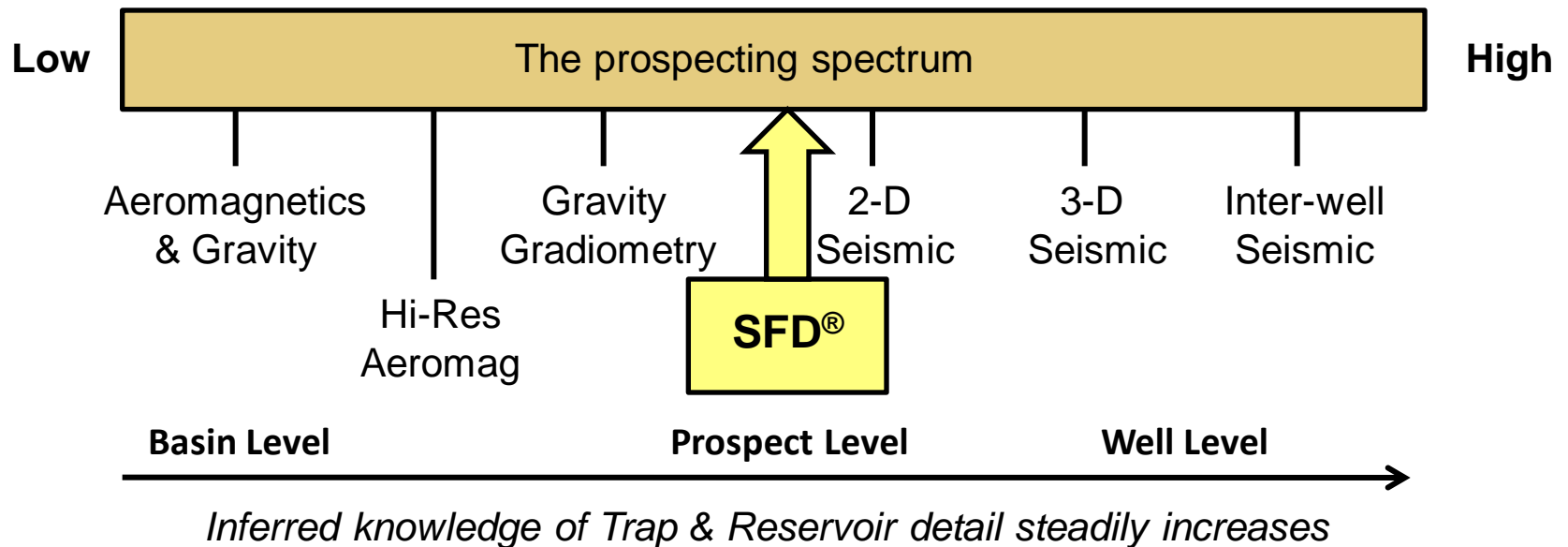


Decrease in permeability (leaving reservoir)



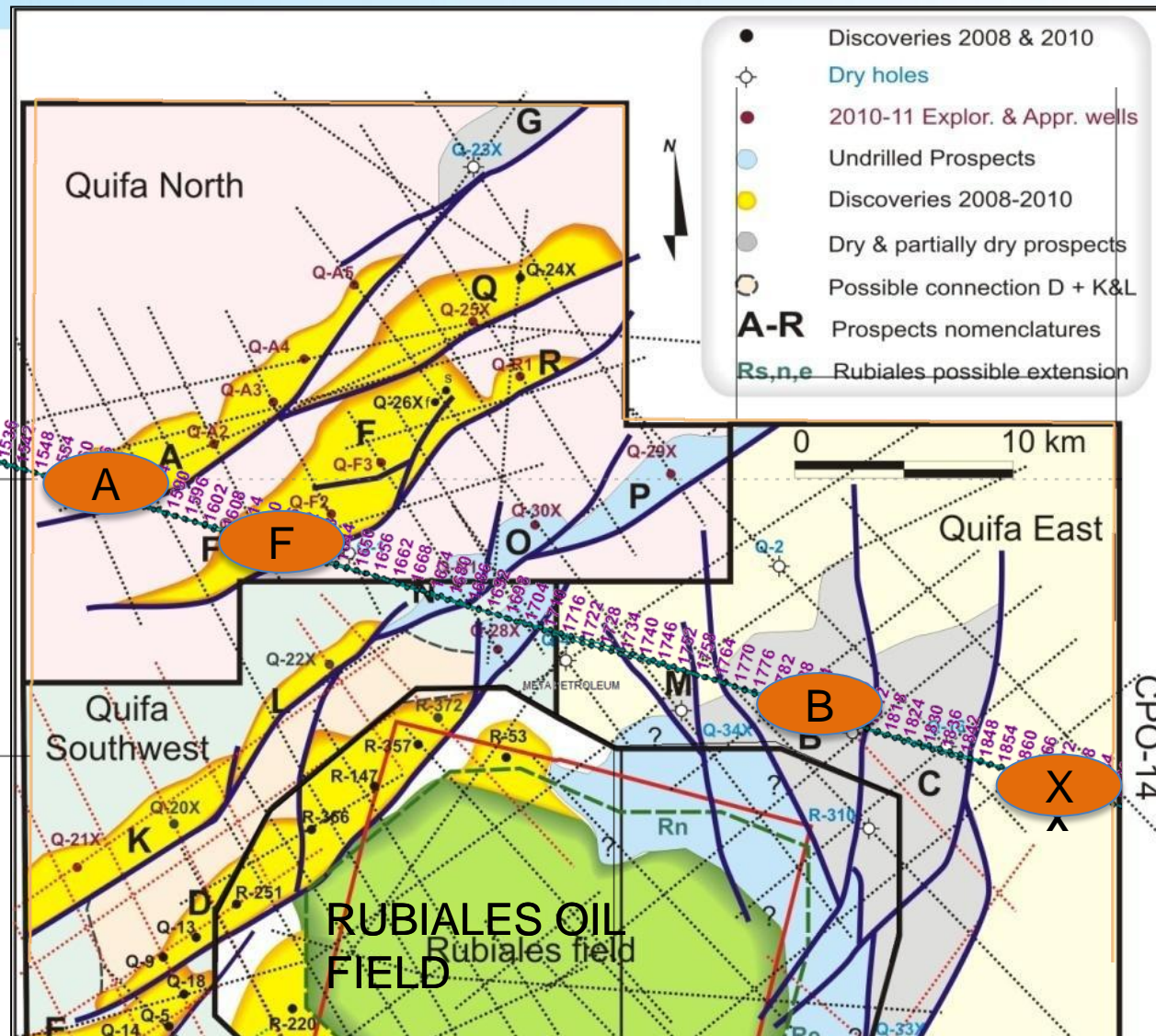
SFD[®]: Stress Field Detector

: Position and Resolution



QUIFA BLOCK

Combined evaluation of three crossings



'Blind Test' Results

- ✓ SFD® identifies 4 leads
- ✓ All verified by seismic
- ✓ A – 100 million bbl
- ✓ F - 100 million bbl
- ✓ B - drills 100' wet
- ✓ X - un-drilled

The Geologic and Geophysical integration of SFD[®] data Offshore Colombia, Blocks RC4 & 5.

June 2010



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SFD identified a Prospect in late 2009 and presented to BP, before the BP's multi - attribute(3D) seismic analysis of Lambda-Mu Rho attributes for reservoir characterization was completed in May 2010

The integration study showed high correlation with the SFD data with respect to Prospect location and reservoir extent.

The Prospect is 14,000 ft deep in 1,000 ft of water.

Equion Energy (JV formed between *Colombia's* Ecopetrol and *Canada's* Talisman Energy) Plan to drill in 2012.

Further Technical Validation



NXT is ahead of the curve with the
SFD[®] sensor.

Quantum detectors are now
being proposed by prestigious
researchers.



UNIVERSITY OF
MARYLAND



Joint
Quantum
Institute

JQI has “developed a novel design for a highly compact, ultra-sensitive quantum device to measure subtle changes in gravity using atomic interferometry.”

It may “be used to search for natural resources beneath the Earth’s surface.”

August 2010

Source:

To achieve \$15mm in 2012 and \$50mm by 2014



- Cash on the Balance Sheet (working capital, procurement department)
- Patent Applications
- Regional and Local Offices (Houston, Cape Town and local Bogota)
- Increase Marketing and Sales Staff
- Interpreters and G&G people
- Management (VP-Geosciences)
- IR and PR, market support
- Conferences and seminars
- Aircraft (at least two aircrafts surveying simultaneously)