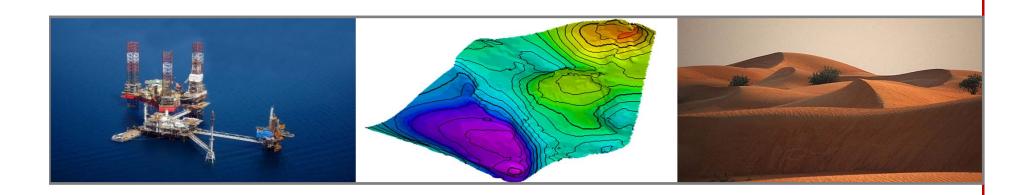




The Revival of the Greek Oil & Gas Industry

The success story of Prinos



September 2011

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Introduction

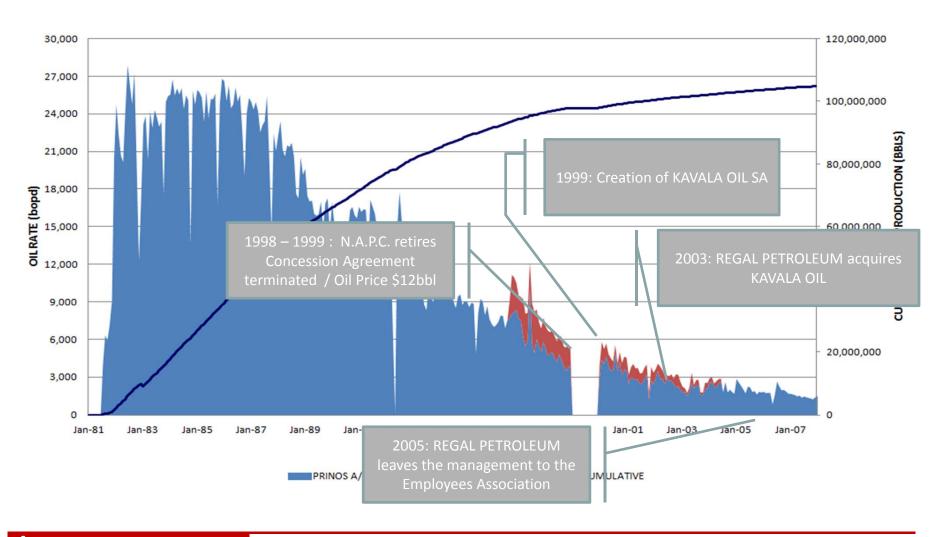


- Energean Oil & Gas is an independent E&P company focused on the Mediterranean and MENA region
- Sole oil & gas operator in Greece, owner of the two oil & gas development licenses in the country
- Total investment in the last four years US\$ 210MM
- Offshore assets in Greece:
 - 2P Reserves of 11 MMboe, Contingent Resources of 21 MMboe
 - Current production of 2,000 b/d from Prinos and Prinos North fields
 - Infill drilling and application of water injection program to double production (>4,000 b/d) in 2012
 - Phased development of the Epsilon field, targeting initial production rates of 3,000 b/d end of 2012
 - Low risk appraisal of existing discoveries in the Prinos basin targeting 10,000 b/d by 2014
 - Existing oil & gas handling, processing and storage infrastructure with 30,000 b/d capacity
 - Advanced G&G work has demonstrated the significant prospectivity of the Prinos basin
 - Conversion of the depleted South Kavala gas field into a 1 Bcm underground gas storage with Edison
- Two exploration licenses in Egypt with unrisked HCIIP of 915 MMboe
- Un parallel environmental track record

Production History of Prinos Basin

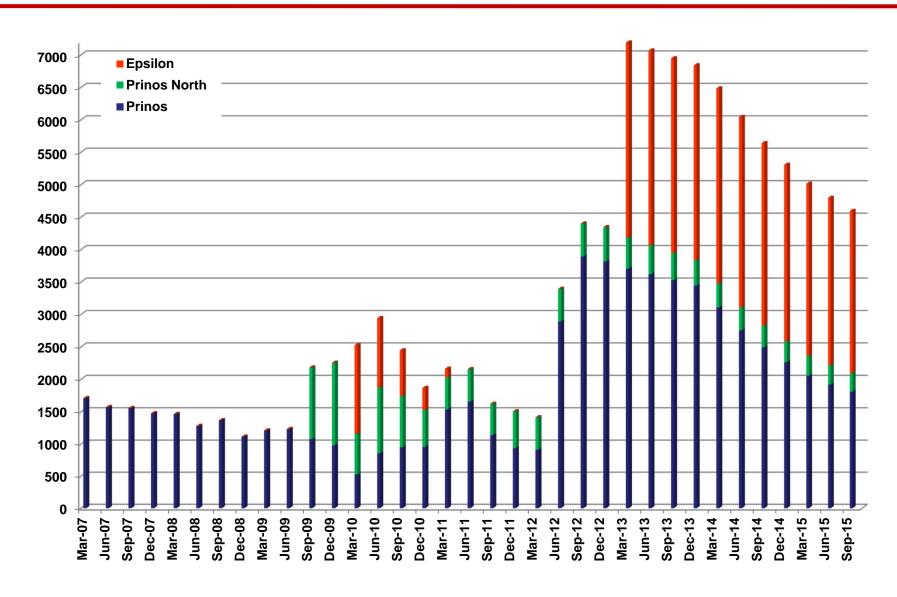


HISTORICAL PRODUCTION (JAN 81 - DEC 07)



Production History & Projections (bbls/day)



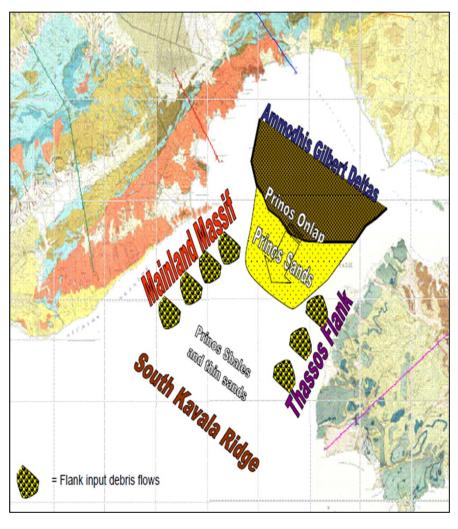


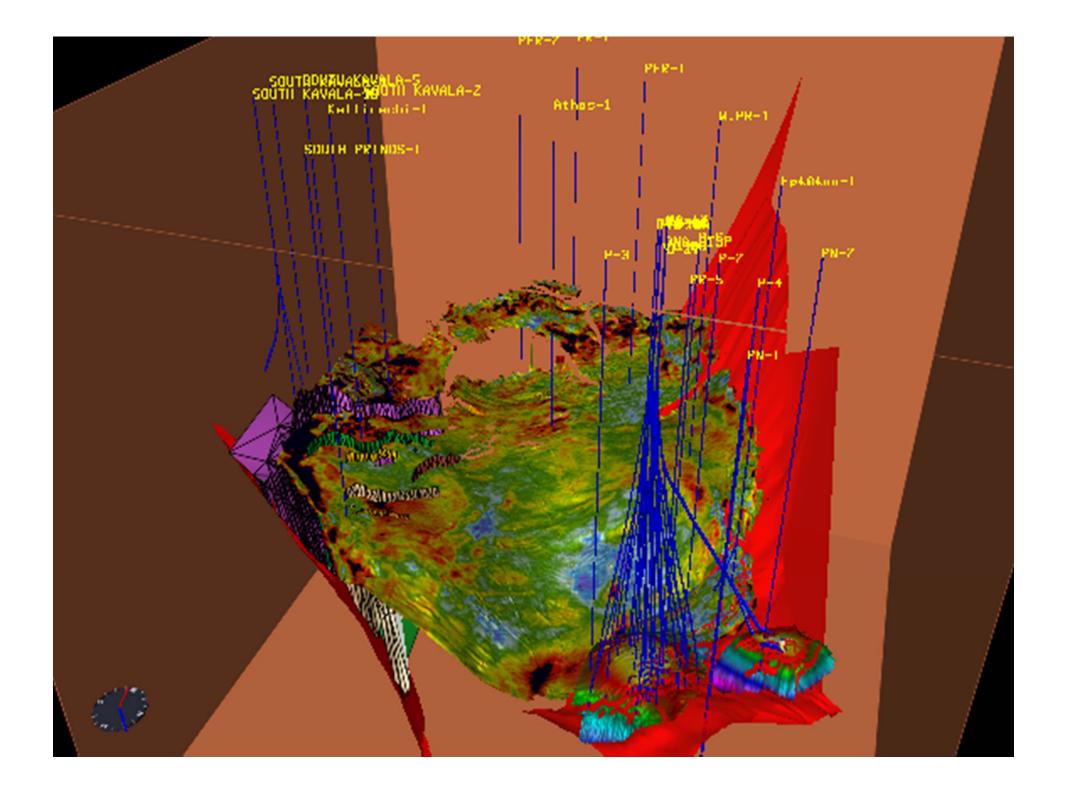
Current Reserves & Resources



Resource Category	Unrisked Net HCIIP (MMboe)	Estimated Net Reserves & unrisked Resources (MMboe)
Reserves (2P)	321.6	11.3
Unrisked Contingent (2C) Unrisked Prospective (Best Estimate)	48.2 233.3	21.1 62.6
Unrisked Resources	281.5	83.7
Total	603.1	95.0

Source: Petrenel CPR as of February 2011



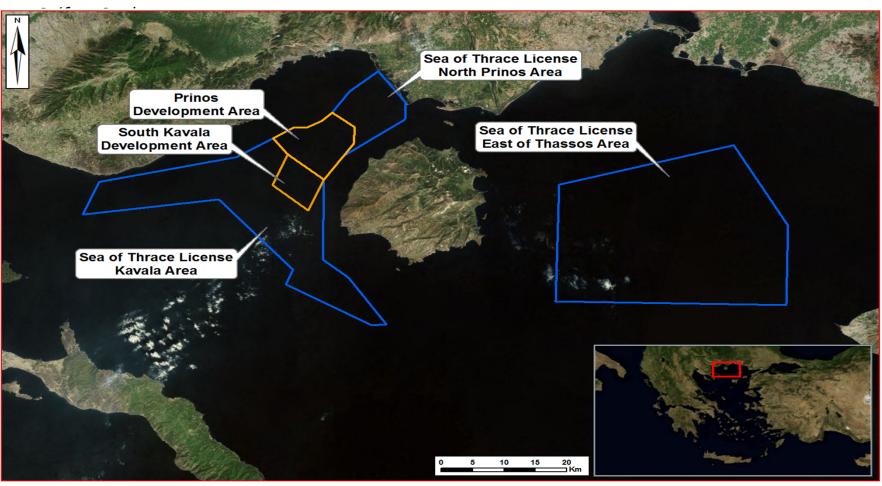


Exploration and Development Licenses in Greece

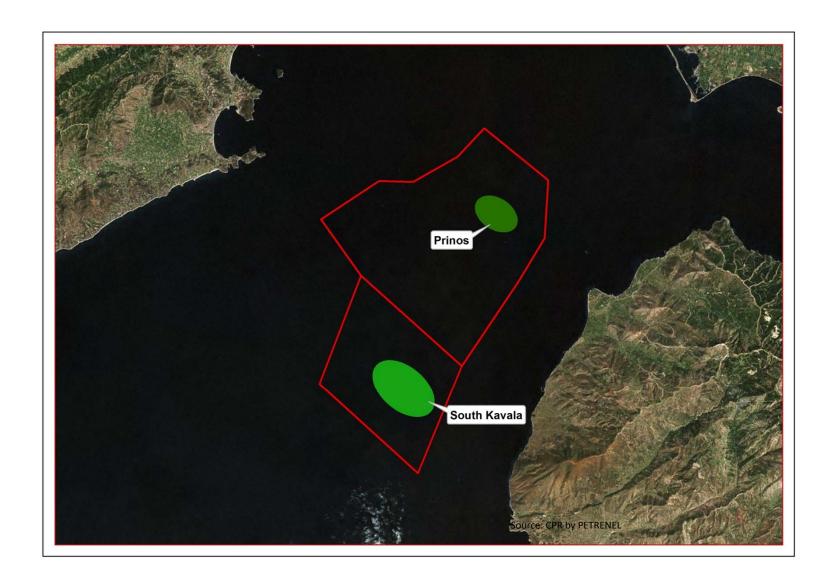
Three Concession Areas



- 100% of the Prinos Development Area
- 100% of the South Kavala Development Area
- 70% of the Sea of Thrace Exploration License (subject to certain conditions precedent to the

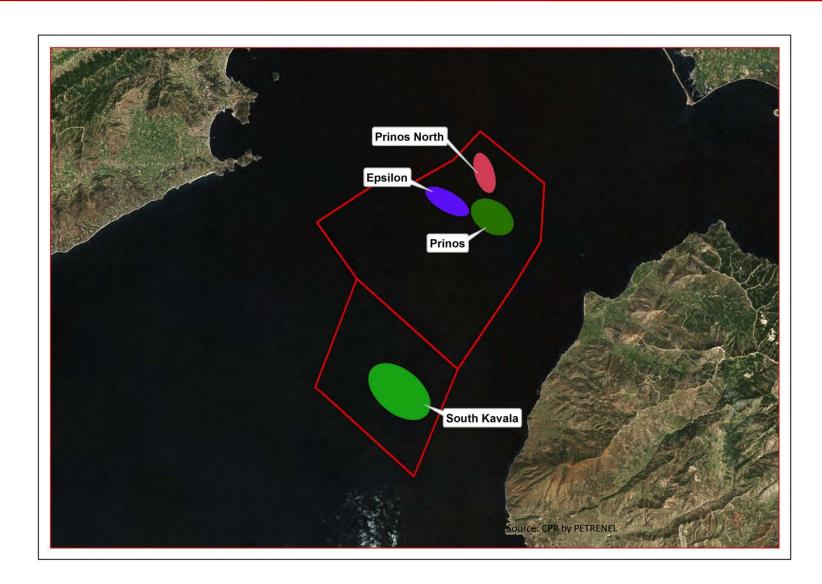




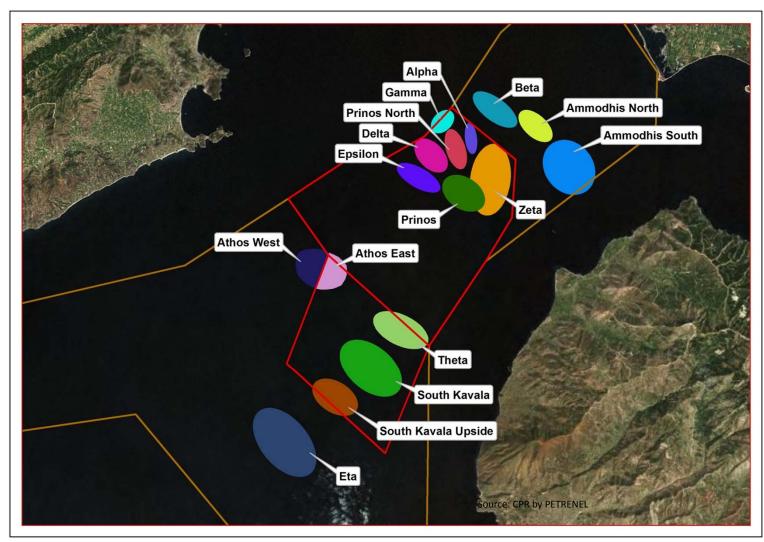


2010 – The results of Energean's investments









Note: Sea of Thrace license is subject to certain conditions precedent to the Calfrac SPA

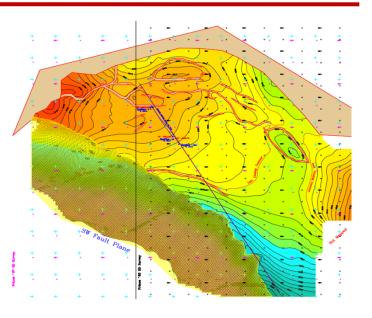
Epsilon Field



- Discovered 2001 appraised with a sidetrack in 2002
- 2010 ERD well (5.3km) drilled from Prinos platform
- Produced 320,000 barrels -suspended in 2011 due to technical challenges
- STOIIP of at least 32MMboe, no OWC found
- Schlumberger independent study STOIIP 50 Mmboe

Phase 1 Development

- 4 wells: 2 producers and 2 water injectors
- Minimum facilities platform, tied back to the main Prinos processing platform
- Budget of EUR 60MM 12 months to first oil
- Initial production rates & plateau 3,000 b/d
- Recoverable reserves 6.3 million barrels





Existing Discoveries in Prinos Basin

Great evidence of the basin's prospectivity



Athos

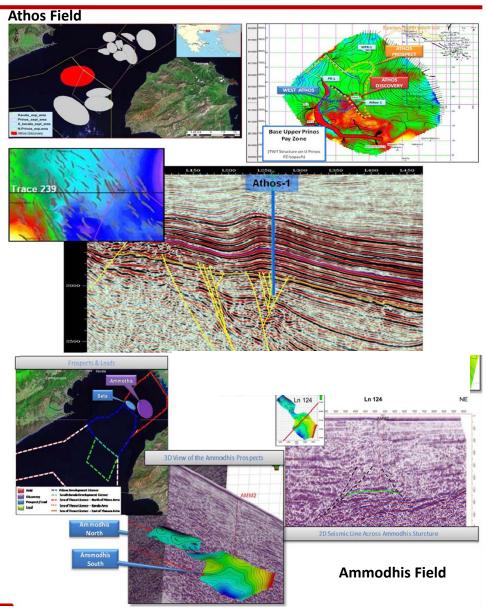
- Discovered by NAPC in 1982 by Athos-1
- Net reservoir Interval 2574-2630m
- Final flow rate 250 b/d (45^o API)
- Proves the existence of stratigraphic plays in the basin

Ammodhis

- Discovered by Ammodhis-1 & 2 wells in 1976
- Two reservoirs: lower 38⁰API, upper 17⁰API
- Porosities 14 to 23%
- Poor testing practices applied provided little information

Zeta

- Discovered by P4 well in 1976
- Flow rate of 1,187 b/d (37⁰API)
- Porosities 10 to 14%
- Evidence of a pre-Prinos equivalent reservoir
- The interpretation to determine the extent of this prospect is high priority







New projects:

Underground Gas Storage

Enhanced Oil Recovery through CO₂ Capture & Injection

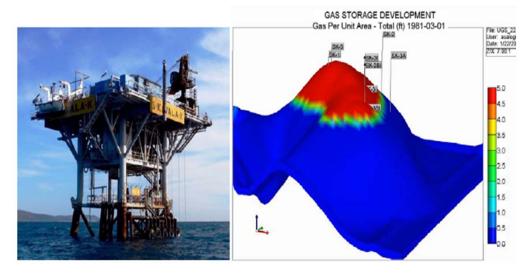
Conversion of South Kavala to Underground Gas Storage

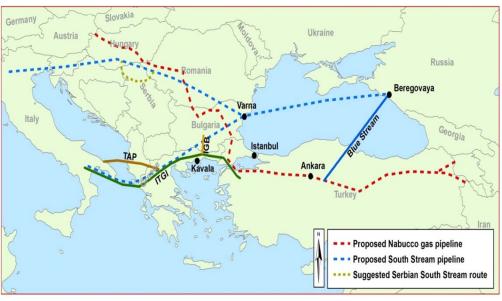


- Initial GIP 958 MM m³
- Working gas 525 MM m³
- Deliverability 7 MM m³/day
- Benefits from the project
 - Strategic reserves for the country
 - Security of supply
 - Will introduce competition to the gas market
 - The only planned UGS project in Greece
 - Ideally positioned to provide gas to the TGI,
 TAP and Nabucco pipelines

Utilizing existing infrastructure

- A large part of necessary facilities already in place
- Extends the life of the facilities
- No Environmental Impact
- Ensures long term employment in Kavala
- Strategic Partnership with Edison Spa
- Investment estimate of €400M by Technip

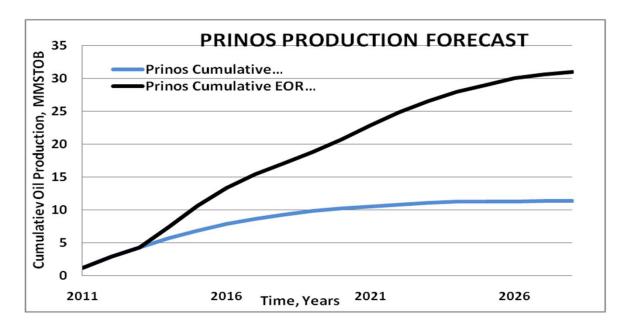




EOR through CO2 Capture and Injection in Prinos Field



- Proven and mature technology with 35 years of CO₂ capture, transport & injection
- Prinos reservoirs meet all the technical screening guidelines for CO₂ flooding
- Potential increase of recovery by 10-15%, circa 30 MM bbls and increased CO₂ emission credits
- A pilot plan is under study to implement CO₂ injection in Prinos B/C Reservoirs
- Possible additional CO₂ supply from adjacent fertilizer plant
- Environmental benefits through reduction of CO2 emissions





Challenges of Investing in the Greek Oil & Gas Upstream industry

- Bureaucracy and lack of flexibility in the public sector
- Lack of continuity in Ministry Administration
- Lack of technical knowledge and expertise in oil policy
- Delay of VAT reimbursement creates liquidity problems €15MM receivables
- State's credibility issue affects opportunities to raise capital and attract investments
- Validity and clarity of Laws Need for "interpretations"
- Environmental laws and conditions Delays in approvals of relevant applications
- Inflexible Employment laws
- No local market support from service companies and oil industry equipment
- High operating costs

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2009 OPEX/Barrel = $ 95,25
2010 OPEX/Barrel = $ 81,09
1st Half 2011 OPEX/Barrel = $ 92
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Taking the Greek E&P business beyond the Prinos success story



- Invested more than 200 million U.S. dollars in 4 years
- Drilled the most challenging wells ever drilled in Greece 3 rigs in 4 years
- Put Greece back on the map of oil producing countries
- Expanded in Egypt as an operator
- Built relationships with international service companies
- Invested in Human Capital created a new generation of Geoscientists
- 260 skilled workers in Kavala, 20 industry professionals in Athens and 5 in Cairo
- Design and plan for innovative projects (underground gas storage, CO2) exploiting our national wealth; resources and human capital
- Support the academic community and promote links with the market
- Support the local community in Kavala
- Committed to maintain our high environmental and safety track record
- Prepared to further invest despite the negative climate in the country

