





Hunting Whales in Myanmar Offshore





See us at Booth 24

February 2018

Hard to Find Opportunities



- CFG holds an 80% interest in Myanmar's offshore Block M-15 and is the Operator. M-15 is around 13,480 square kilometers
- CFG is the ONLY Channel for Outside Investors to Participate Myanmar Offshore E&P



Bid Closed: November 2013 / Results Announced: March, 2014 / PSC Signed: March, 2015

Current Producing Gas Fields Offshore Myanmar





Globally, Myanmar offshore is the only offshore region with tremendous gas potential but still "virgin" today.

M-15 Block is the best offshore block for the first offshore bid round in Myanmar.

Exploring in Back Arc Basin





CFG Assets

- Best estimated 42 TCF from 6 of 8 prospects.
- Huge channels, massive deep water turbidite fan and giant reef reservoirs have been identified.
- 70 to 220 KM to export pipeline to China.

Myanmar offshore still highly under-explored

Vastly Under Explored Proven Petroleum System







Residual Bouger Gravity Showing Main Structural Features of Block M15





Oil Slicks on Block M15







Orange: Pollution Slicks. These slicks do not "repeat" in multiple images Potential Natural slicks are shown in turquoise and dark blue. These slicks show on repeat images over long time periods.

Petroleum Geology In this Region



- Within the Martaban Basin, Three gas fields, around 15 TCF gas have been discovered and currently on production.
- M-15 contains the same source and reservoir system as these producing fields in the same basin.



M-15 is located in a proven oil & gas enriched zone.

Canadian Foresight Group Limite

The production of oil and gas from this zone represents 40% of Myanmar's total foreign income.

M-15: seismic data coverage



- Seismic data mainly covers west of M-15
- 2D grid 8x8 km or 5x5 km locally ,data vintage from 1970s to 2000s
- 2016 joint 3D program has 1500 sq km and covers prospect 1, 2, and 3
- The Green area is the new 3D area being acquired now



8 Prospects have been Identified





- Water depth drops from 30 meters at the east end to 1600 meters at the west side.
- Most favorable oil and gas zone : all within the continent and continental slope.
- Multi-TCF prospects have been discovered nearby.
- Multiple targets can be explored by one well.



Prospect 2 will be explored with Prospect 1





The area distribution of prospect1A and1B is defined based on the RMS sweetness/amplitude map extracted between picked seismic horizons (TopPros1B and TopPros1A for the Prospect1B; TopPros1A and BasePros1A for the Prospectr1A)

Prospect 2 is the sub-hill Oligocene (?) fluvial fan/deltaic clastic reservoir

Multi targets can be explored by one well to reduce cost both on exploration and production.

IL15800

Prospect 3 – Direct Hydrocarbon Indicator



Bright Spot Gas Chimney Flat Spot IL15400

DHI all over Prospect 3 Area !



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Prospect 6 is analogous to Yadana Gas field





Analogous to the biggest carbonate gas field in Myanmar - Yadana Field

<u>Yadana is the biggest gas</u> <u>field in offshore Myanmar</u> <u>with 6.7TCF</u>

<u>Prospect 6 could exceed the</u> <u>Yadana field in size.</u>



Prospective 8, AVO analysis indicate Class III gas charged sands.





AVO analysis indicate Prospect 8 reservoir is typical Class III gas charged sands, which is the most ideal gas charged • reservoir.

- Miocene turbidite Fan sands are truncated adjacent to a large shelfbounding fault.
- Structure plus stratigraphic trap
- Maximum closure ~200Km²
- Water depth
 ~400m
- Crest depth (SSTVD) ~2000m
- Seismic data converge : 4x10 km 2D seismic line
- Estimated prospective gas resources of 6.7 TCF.

CFG's Internal Prospective Resources Evaluation



Prospect Number	Prospect Name	P10 TCF	P50 TCF	P90 TCF
1A	Deep Water Turbidite Basin Fan	39.29	11.77	3.21
1B	Mid-Miocene Fan	6.94	2.30	0.611
*2	Lower Oligocene Sub-hills			
*3	Shallow Gas			
4	Miocene Sandstone	9.34	2.28	0.478
**5	Yetagun like Basement High		5.90	
6	Carbonate Buildup	24.55	10.39	2,26
**7	Miocene Sheet Sand		3.0	
**8	Turbidite Fan		6.7	
Total		80.12	42.34	6.56

Condensate was not separately calculated, Total P50 is around 802 million bbls.

Note: *Finished interpretation but CFG considers it as confidential ** Not include

5,000 km² of 3D seismic has been started



5,000 km² of 3D seismic has been started.

- □ COSL will undertake the M-15 block 3D seismic acquisition and processing.
- □ Acquisition will begin officially early February 2018.
- □ All preparations for acquisition have been completed.
- □ It takes about 8 months for acquisition and processing.



We've Already Seen the Whales







