



# MIE Investor Presentation

August 2015



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## 1. MIE Group update and highlights

- MIE group assets overview
- Significant reserves base
- Large resources inventory
- Production growth potential
- Company strategy
- 1H2015 results highlights
- 2015 operational guidance

## 2. Group assets update

- China oilfields (Jilin assets)
- SGE (Linxing and Sanjiaobei)
- Emir-Oil (Aksaz, Dolinnoe, Emir, Kariman, and prospects)
- US asset (Condor Energy)

## 3. Financial update

- 1H2015 financial performance summary
- Financial analysis

## 4. Appendix



# MIE Group update and highlights

 *MIE Holdings Corporation*



# MIE Group update and highlights

## MIE group assets overview

Independent onshore upstream oil and gas company in China, growing domestically and globally

### Significant growth prospects

**Emir-Oil (ADEK contract area) (100%, operator)**  
Aksaz, Dolinnoe, Emir, Kariman, and prospects

- Net production of 3,306 BOPD in 1H2015 (37.3% decrease from 1H2014) due to shutting in of less economic wells to reduce operating costs
- Production in line with FY2015 guidance of 3,000 – 4,000 BOPD
- 113mboe of 2P reserves as of year end 2014

### Major cash flow contributor

**Oilfields in Jilin (90%, operator)**  
Daan PSC, Moliqing PSC

- Net production of 6,985 BOPD in 1H2015 (37.5% decrease from 1H2014) due to strategic capex scale back with no new wells drilled in 1H2015
- Production in line with FY2015 guidance of 6,700 – 7,000 BOPD
- Attractive fiscal regime under PSC structure provides good cash flows



### Diversification into China unconventional gas assets

**Sino Gas & Energy ("SGE") (51%, operator)**  
Linxing PSC (SGE holds 64.75%), Sanjiaobei PSC (SGE holds 49%)

- Gross production of 4,095 MSCF/day in 1H2015, consistent with expectations and 2015 operational plan
- 466 BCF (78 mm boe) of 2P reserves as of year end 2014
- Large resource base with 2C & prospective resources of 1.36Tcf
- Existing drilling campaign leading to China Reserve Report ("CRR") and ODP preparation
- Clear path to commercial production

### Access to unconventional technology

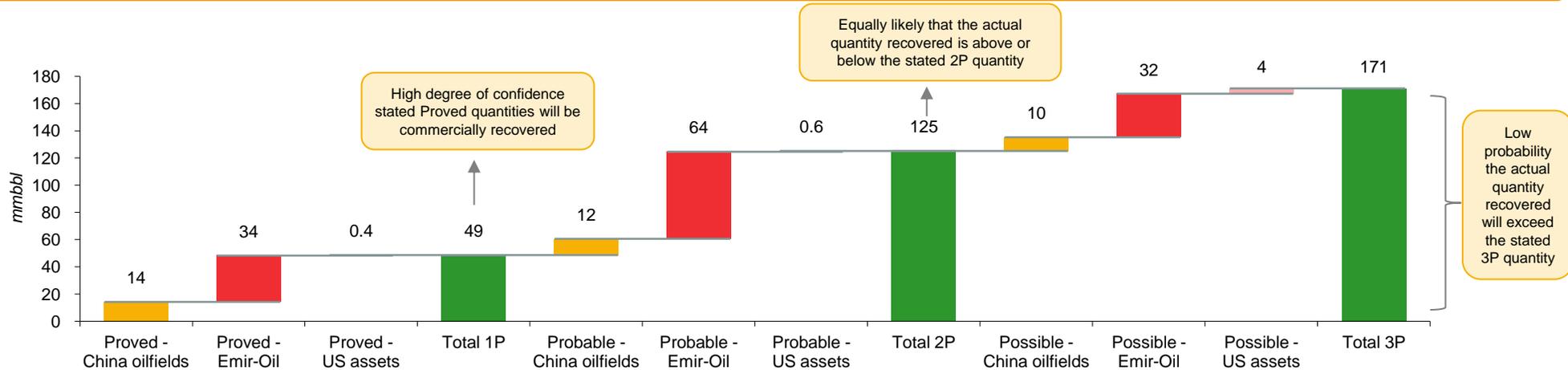
**Condor Energy (100%, operator)**  
Condor Energy: 61.25%-100% working interest covering 6,502 net acres in the Niobrara Shale oil trend, Colorado

- Oil and gas production, with access to horizontal drilling and fracturing technologies used in developing shale oil and gas
- Condor has a total of 5 horizontal wells with lateral lengths 4,000-8,100ft and 16-33 frac stages

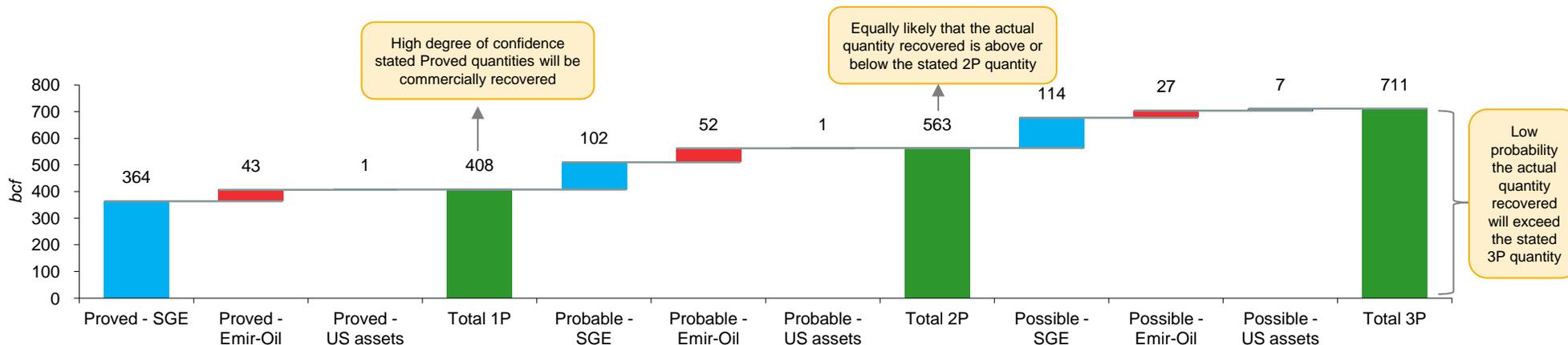
# MIE Group update and highlights

## Significant reserve base

### Total oil reserves breakdown (as of Dec 2014)



### Total gas reserves breakdown (as of Dec 2014)



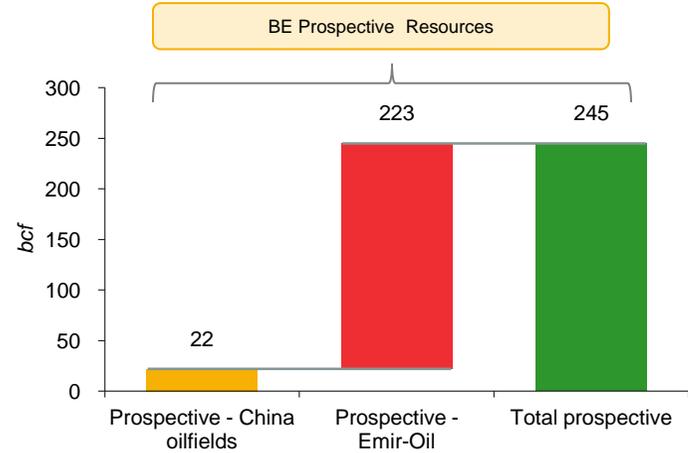
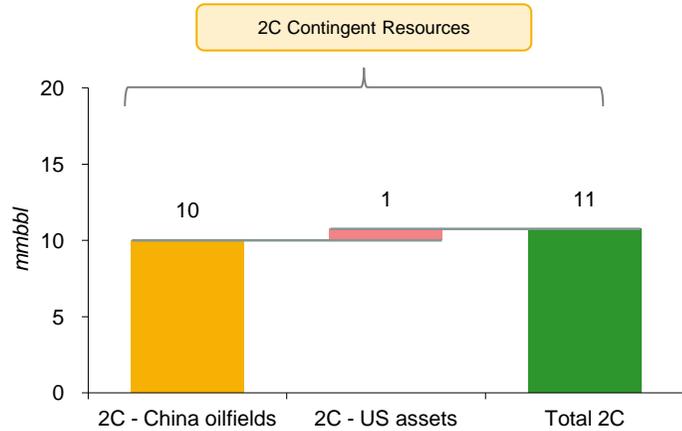
Source: Company announcements

**Based on the yearend 2014 reserves estimates reviewed by the independent consultants, NPV10 of the Group's Net 2P Oil & Gas reserves is approximately US\$4.0 billion. China Oilfields NPV10: US\$0.8 billion; SGE net share NPV10: US\$1.6 billion; Emir-Oil NPV10: US\$1.6 billion**

# MIE Group update and highlights

## Large resource inventory provides significant upside to existing reserves

### Total oil resources breakdown (as of Dec 2014)



### Total gas resources breakdown (as of Dec 2014)

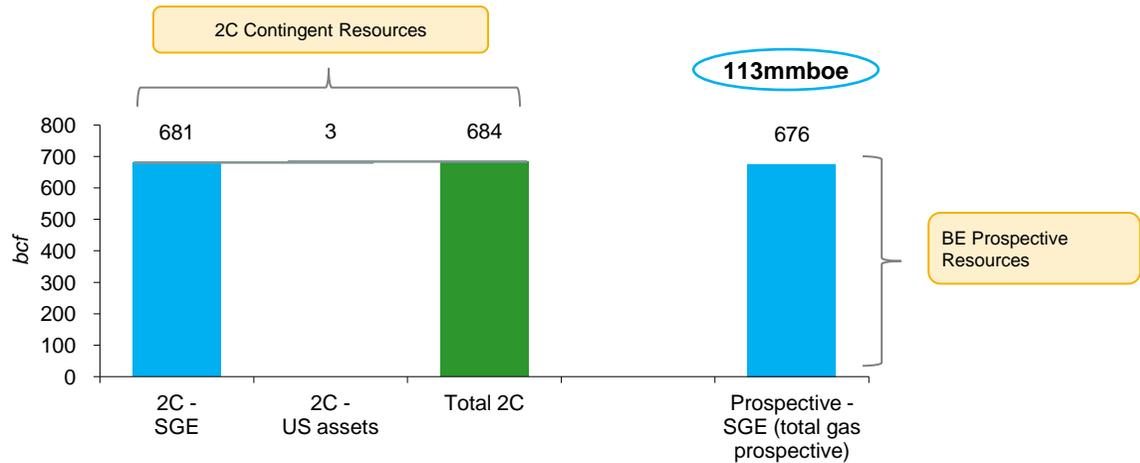
#### PRMS Resources

**Contingent:** Quantities estimated, as of a given date, to be potentially recoverable from known accumulations by application of development projects, but which are not currently considered to be commercially recoverable due to one or more contingencies

**Prospective:** Quantities of petroleum which are estimated, as of a given date, to be potentially recoverable from undiscovered accumulations.

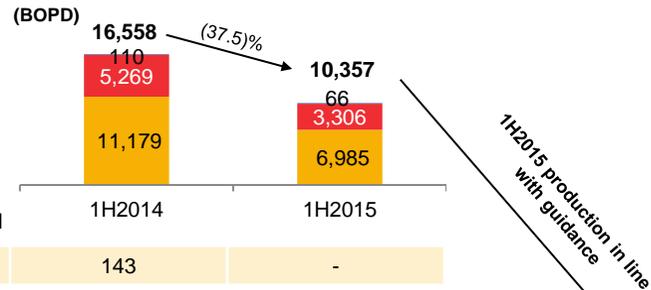
#### Uncertainty Range

| Case        | Low Estimate | Best Estimate | High Estimate |
|-------------|--------------|---------------|---------------|
| Contingent  | 1C           | 2C            | 3C            |
| Prospective | LE           | BE            | HE            |



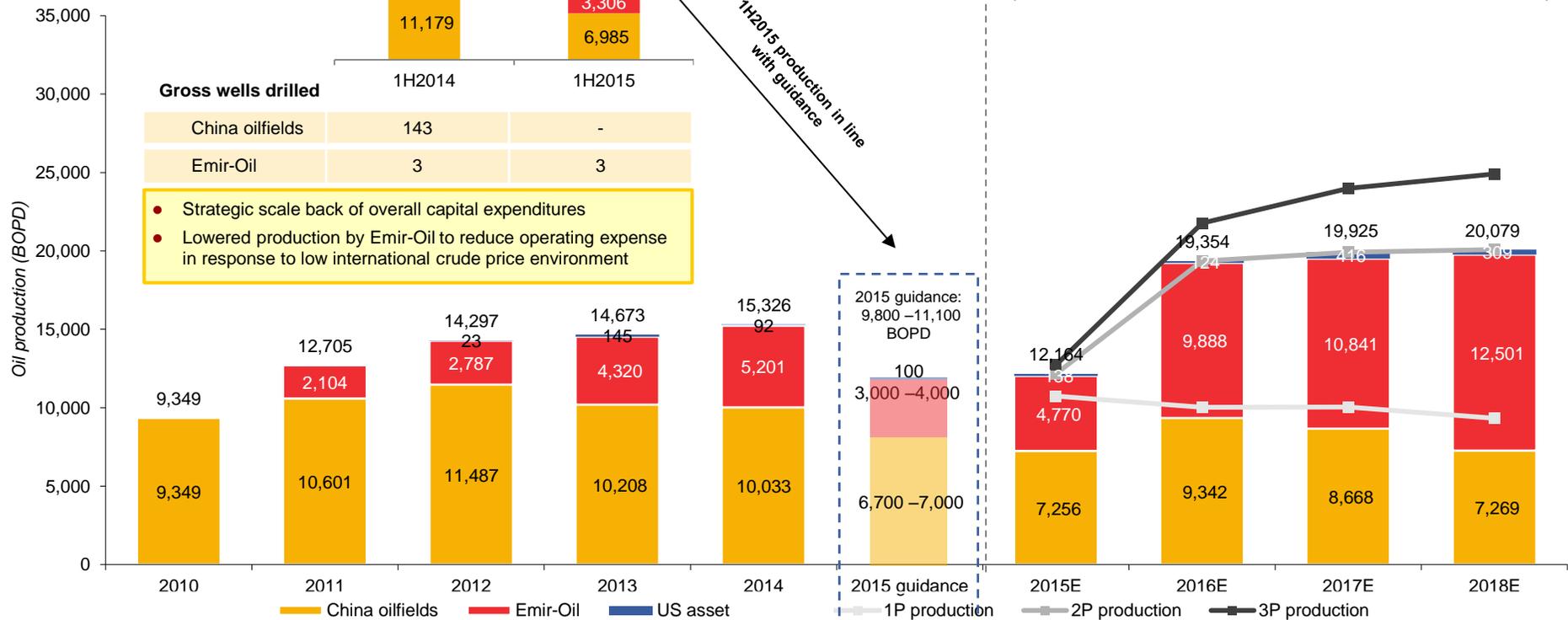
# MIE Group update and highlights

## Further production growth potential from existing asset base

**1H2015 vs 1H2014 net oil production**

**Gross wells drilled**

|                 | 1H2014 | 1H2015 |
|-----------------|--------|--------|
| China oilfields | 143    | -      |
| Emir-Oil        | 3      | 3      |

- Strategic scale back of overall capital expenditures
- Lowered production by Emir-Oil to reduce operating expense in response to low international crude price environment


**Gross wells drilled (forecast wells drilled based on 2P reserves)**

|                 | 2010       | 2011       | 2012       | 2013       | 2014       | 2015 guidance | 2015E     | 2016E      | 2017E      | 2018E     |
|-----------------|------------|------------|------------|------------|------------|---------------|-----------|------------|------------|-----------|
| China oilfields | 200        | 466        | 431        | 102        | 151        | 0             | 66        | 181        | 89         | 45        |
| Emir-Oil        | na         | na         | 8          | 10         | 6          | 3             | 8         | 5          | 6          | 12        |
| US assets       | na         | na         | 3          | 2          | 0          | 0             | 4         | 6          | 20         | 0         |
| <b>Total</b>    | <b>200</b> | <b>466</b> | <b>442</b> | <b>114</b> | <b>165</b> | <b>3</b>      | <b>78</b> | <b>192</b> | <b>115</b> | <b>57</b> |

(1) Production forecast (2015E-2018E) is the forecast of independent technical consultants as of 2014 year end, and does not necessarily represent management forecast

(2) Production for China oilfields excludes PCR and Miao 3 starting from 2015

# MIE Group update and highlights

## Company strategy



### Optimize development of two new core assets

#### Emir-Oil

- Reduce operation cost and enhance economic margins
- Complete new Central Processing Facility to remove gas market bottleneck

#### SGE

- Undertake pilot production gas sales
- Exploration & Development drilling and well testing
- Reservoir Assessment
- Reserve & Resource Additions
- Expedite CRR and ODP



### Optimize existing mature assets

- Leverage favorable PSC terms – reallocate free cash flow amongst Group's assets
- Extend production plateau through advanced technical application
- Divest mature non-core assets with good valuations



### Expand operational & technological capability

- Evident in our new projects globally
- Substantial advancement since 2010 IPO, when we were a pure oil developer in China
- Horizontal well drilling and multi-stage fracturing
- Significant enhancement in the Group's total net 2P reserves and NPV



### Upgrade current portfolio

- Divest mature non-core assets from current portfolio
- Replace with better quality assets in more stable environment (e.g. North America)
- Investment Agreement signed on August 2, 2015 whereby MIEH (via its subsidiary Maple Marathon Investments Ltd.) intends to acquire 43.9% shareholding, subject to completion, in Long Run Exploration Ltd. (LRE.TO), an intermediate Canada-based oil and natural gas company
- A joint venture to be setup with China Oil & Gas Group Ltd (00603.HK) to develop the upstream, midstream and downstream natural gas business
- Co-invest in Canadian International Oil Corp (CIOC) with Canadian-China Global Resources Fund (CCGRF) in 4Q2014

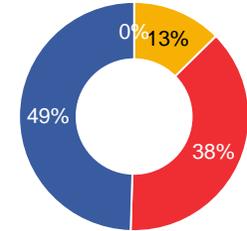
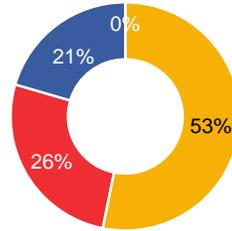
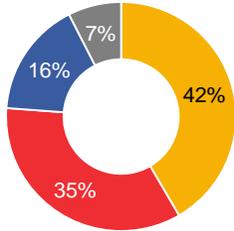
# MIE Group update and highlights

## Efficient allocation of resources to be prudent in low crude oil price environment

FY2013 capex: US\$242m

FY2014 capex: US\$205m

FY2015 capex guidance: US\$103m<sup>(1)</sup>



■ China oilfields ■ Emir-Oil ■ SGE ■ US Assets

■ China oilfields ■ Emir-Oil ■ SGE ■ US assets

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### China oilfields

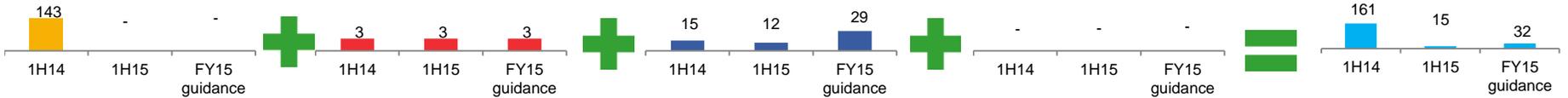
### Emir-Oil

### SGE

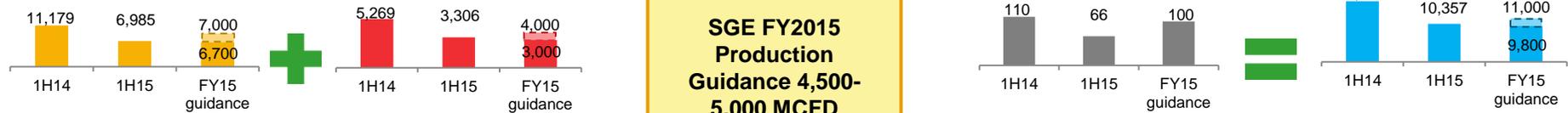
### US asset

### Group

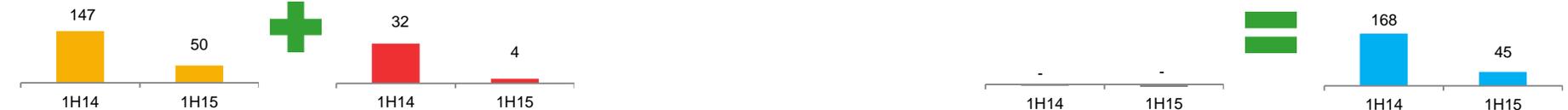
Wells drilled



Production (BOPD)



Adj. EBITDA (US\$m)



(1) Represents management guidance

Note: Adj. EBITDA refers to EBITDA adjusted to exclude non-cash items such as share-based compensation expense, loss on impairment, withholding tax from intercompany loans, and any other non-recurring items such as disposal gains and losses, acquisition expense, and geological and geophysical expenses, etc.

## Operational highlights

- ✓ Group net oil production of 10,357 BOPD, a decrease of 37.5% compared to same period in 1H2014 and within full year guidance range of 9,800 – 11,100 BOPD
- ✓ 1H2015 Group's total capex incurred of US\$61mm
- ✓ Decreased production based on strategic decision to reduce operating costs

### Emir-Oil

- ✓ Central Processing Facility on schedule for completion mid-2016
- ✓ Deepest exploration well to date (Aidai-1) finished drilling in June 2015 and reached total depth of 5,080m. Flow testing is expected to commence in 4Q2015

### SGE

- ✓ Linxing central gathering station ("CGS") to become operational in 3Q2015, adding an additional 17,000MSCF/day gas gathering capacity
- ✓ Work program continues on schedule with 12 of 29 wells drilled in 1H2015
- ✓ Testing program continues to be successful with tests of 5 wells completed and flow rates ranging from 240MSCF/day to more than 1MMSCF/day

## Financial highlights

- ✓ 1H2015 Group's average oil price realised down by US\$44.38/bbl or 46.2% to US\$51.64bbl compared to 1H2014
- ✓ 1H2015 Group's revenue was US\$97.3mm, representing a 67.1% decrease from 1H2014
- ✓ 1H2015 Group's Adjusted EBITDA was US\$44.8mm, representing a 73.3% decrease from 1H2014
- ✓ Successful consent solicitation exercise in July 2015

# MIE Group update and highlights

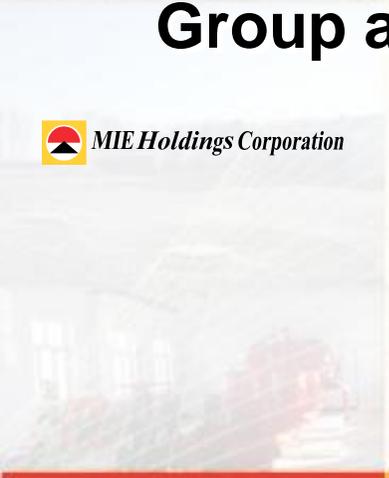
## 2015 operational guidance

|                        | # Gross Wells |               | Net Capex (US\$M)                             | Net Production   |  |
|------------------------|---------------|---------------|---|--|--|
|                        | 1H2015 Actual | 2015 guidance | 2015 guidance                                 | 1H2015 Actual  | 2015 guidance  |
| <b>China Oilfields</b> | -             | -             | 13  | 6,985 BOPD   | 6,700-7,000 BOPD   |
| <b>SGE</b>             | 12            | 29            | 51  | 2,088 MCFD   | 4,500-5,000 MCFD   |
| <b>Emir-Oil</b>        | 3             | 3             | 39  | 3,306 BOPD<br>5,958 MCFD   | 3,000-4,000 BOPD<br>5,000 MCFD   |
| <b>USA</b>             | -             | -             | -   | 66 BOPD<br>117 MCFD  | 100 BOPD<br>100 MCFD   |
| <b>MIE Total</b>       | <b>15</b>     | <b>32</b>     | <b>FY2015: 103</b><br><hr/> <b>1H2015: 61</b> | <b>Total: 11,717 BOED</b><br><b>Oil: 10,357 BOPD</b><br><b>Gas: 8,163 MCFD</b> | <b>Total: 11,400-12,783 BOED</b><br><b>Oil: 9,800-11,100 BOPD</b><br><b>Gas: 9,600-10,100 MCFD</b> |



# Group assets update

 *MIE Holdings Corporation*



# Group assets update

## China oilfields

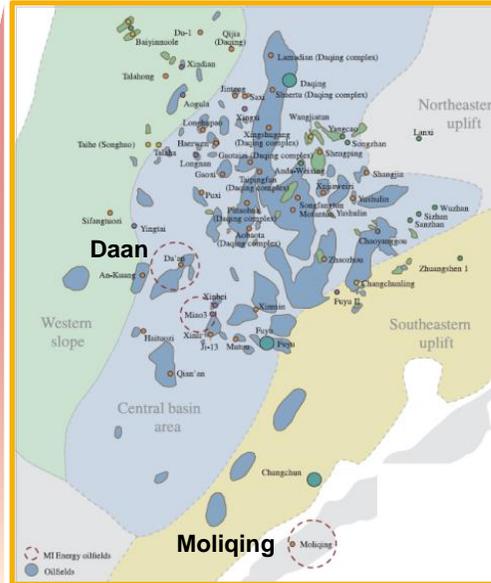
### Jilin assets (Daan, Moliqing)

|                                      |                    |
|--------------------------------------|--------------------|
| <b>Ownership</b>                     | 90%                |
| <b>Total wells drilled in 1H2015</b> | -                  |
| <b>Gross wells (as of Jun 2015)</b>  | 2,609              |
| <b>Total area</b>                    |                    |
| Daan                                 | 253km <sup>2</sup> |
| Moliqing                             | 72km <sup>2</sup>  |
| <b>PSC terms expiry</b>              |                    |
| Daan                                 | 2024               |
| Moliqing                             | 2028               |

### Reserves & resources summary (as of Dec 2014)

|   |           |
|---|-----------|
| <i>(mmbbl)</i>                                      |           |
| 1P reserves   | 14        |
| 2P reserves   | 26        |
| 3P reserves   | 36        |
| 2C resources  | 10        |
| Prospective resources                               | 22        |
| <b>Total reserves &amp; resources<sup>(1)</sup></b> | <b>68</b> |

(1) Total 2P Reserves+2C Contingent Resources+ Prospective Resources



### China oilfields:

- Major cash flow contributor
- Significant reserve base with long production track record
- Cost effective operations supported by advanced technologies and experienced management and technical team
- Favourable PSC structure with effective recovery of capex and operating costs
- Receives (Daqing) international oil price for Jilin oilfields

# Group asset update

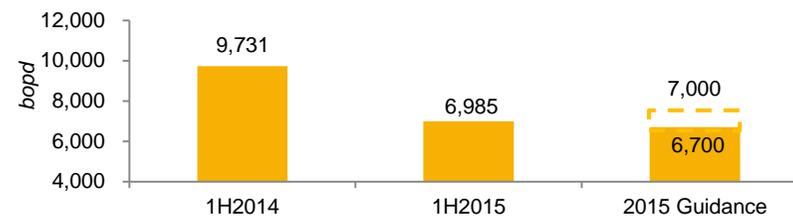
## China oilfields

### Operation update

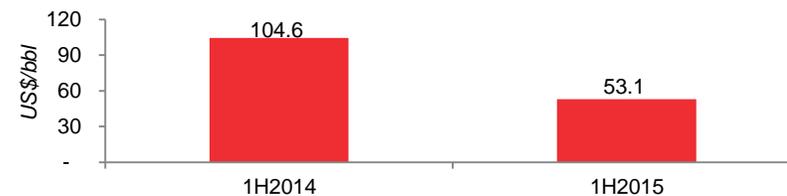
#### Jilin assets (Daan and Moliqing)

- Gross production decreased 11.3% to 16,890 BOPD
- Net production of 6,985 BOPD (1H2014: 9,731 BOPD)
  - Decreased production due to continued strategic capex scale-back and 4Q2014 sale of PCR and Miao 3
  - Profit oil translated into strong free cash flow and EBITDA
- Strong performance of old wells
- Average realized oil price of US\$53.08/bbl in 1H2015 (down from US\$104.56/bbl in 1H2014)

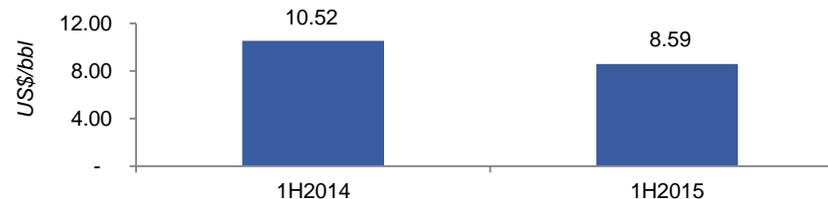
#### Net oil production



#### Average realized oil price

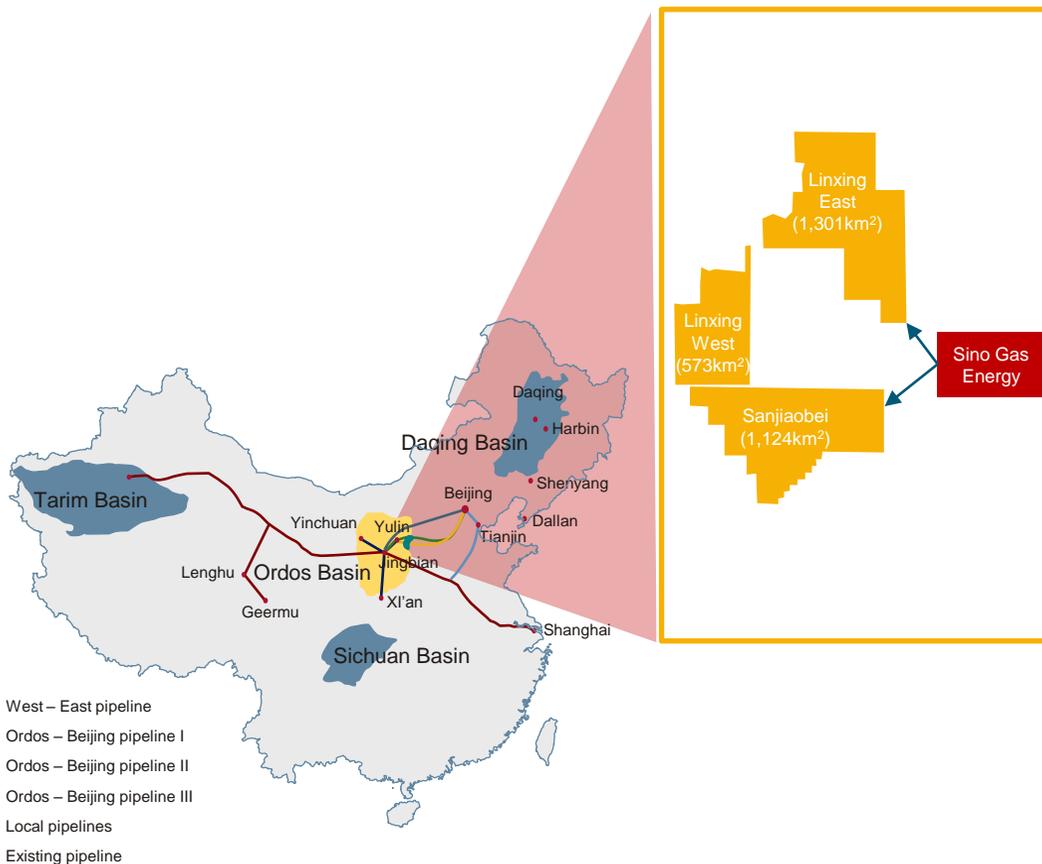


#### Lifting costs



# Group asset update

## SGE: Linxing & Sanjiaobei



### SGE assets

|                                     |                                    |
|-------------------------------------|------------------------------------|
| <b>Ownership (through SGE)</b>      | Linxing: 64.75%<br>Sanjiaobei: 49% |
| <b>Gross wells (as of Jun 2015)</b> | 106                                |
| <b>Area</b>                         |                                    |
| Linxing East                        | 1,301km <sup>2</sup>               |
| Linxing West                        | 573km <sup>2</sup>                 |
| Sanjiaobei                          | 1,124km <sup>2</sup>               |
| <b>PSC terms expiry</b>             |                                    |
| Linxing                             | 2028                               |
| Sanjiaobei                          | 2033                               |
| <b>Exploration period expiry</b>    |                                    |
| Linxing                             | Aug 2016                           |
| Sanjiaobei                          | Aug 2015                           |

### MIE's net share of Reserves & resources summary (bcf) (as of Dec 2014)

|   |              |
|---|--------------|
| 1P reserves   | 364          |
| 2P reserves   | 467          |
| 3P reserves   | 580          |
| 2C resources  | 681          |
| Prospective resources                               | 676          |
| <b>Total reserves &amp; resources<sup>(1)</sup></b> | <b>1,824</b> |

(1) Total 2P Reserves+2C Contingent Resources+ Prospective Resources

# Group asset update

## SGE: Linxing & Sanjiaobei

### Operation update

- 2015 Drilling and Testing Program: 12 wells drilled and 5 wells tested
- Third horizontal well TB-3H finished drilling with lateral length 1,080m. To be tested in 3Q2015
- Continued encouraging test results from testing program
  - Well test rates 240 – 1,500+ MCF/day
  - Linxing West vertical well TB-27 flowed 1.8MMCF/day on test

### Pilot production sale agreement

- Pilot production into pipeline began Nov 2014
- Gas price: US\$9.5/mcf (RMB2.1/cubic meter), the gas is sold to the local customer in Shanxi province
- 2<sup>nd</sup> GSA signed with SX Guohua, an independent wholesale and a subsidiary of Sinopec, at US\$9.6/mcf(RMB2.13/cubic meter) in Feb 2015
- Sanjiaobei central gathering station (CGS) with capacity of 7mmcf/day
- 16 wells in Linxing & Sanjiaobei connected to CGS and producing 4 mmcf/day
- Linxing CGS (capacity 17 mmcf/day) near completion and to be operational 3Q2015

### Clear path to commercial production

|   | Development timeline  | Status  |
|---|---|---|
| 1 | CRR for Linxing East  | <b>Approved!</b>  |
| 2 | Updated independent reserves and reserves assessment (2014) | <b>Completed in Mar 2015</b>  |
| 3 | 2015 drilling program                                       | <b>In Progress</b>  |
| 4 | Pilot pipeline gas sales                                    |  |
| 5 | Preparation of ODP (Linxing East)                           | <b>To be completed in 2015</b>  |
| 6 | CRR (Linxing West, Sanjiaobei)                              | <b>Submitted and to be approved in 2015/16</b>                                      |
| 7 | ODP preparation & submission (Linxing West, Sanjiaobei)     | <b>Commence after CRR</b>   |

#### MIE value add

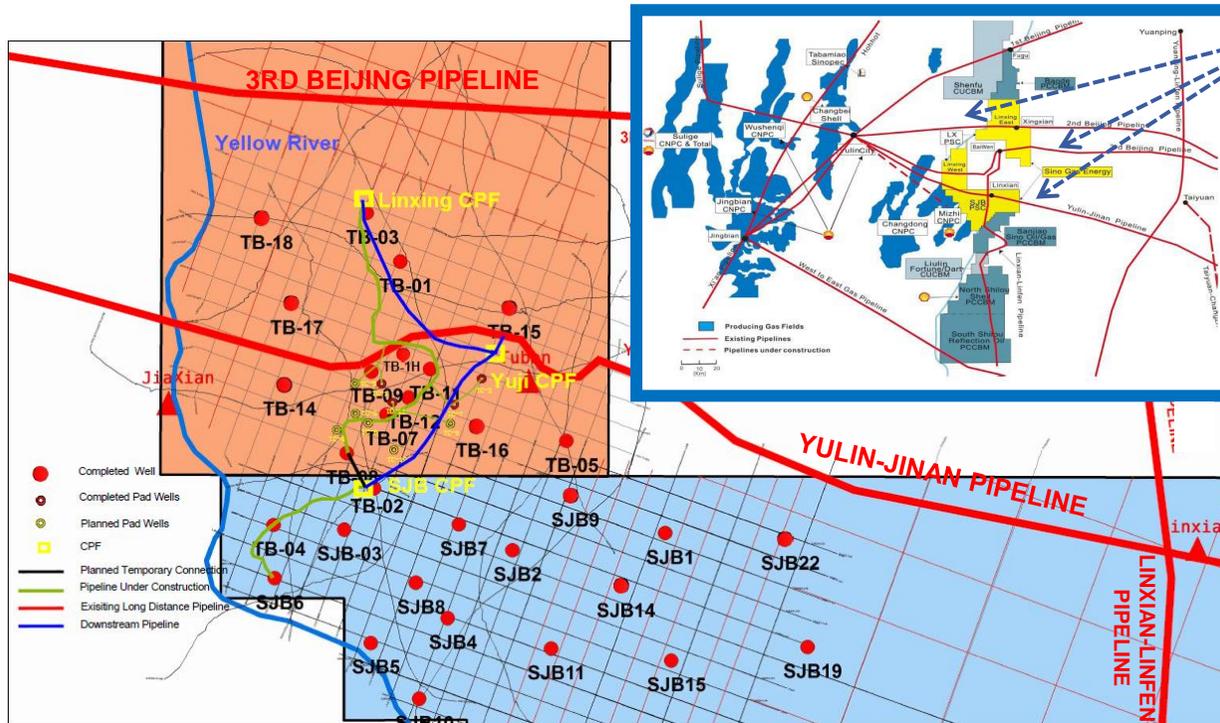
- Operational experience in China
- ODP and contract process experience
- Horizontal drilling experience in US

**Commercial production**

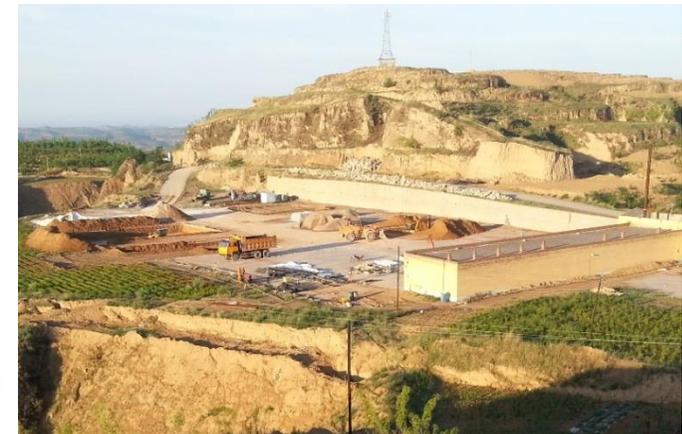
# Group asset update

## SGE: Linxing & Sanjaobei

### Well-established infrastructure in Ordos Basin



Multiple gas pipelines with existing tie-in points will provide market access for Sino Gas' pipeline quality gas

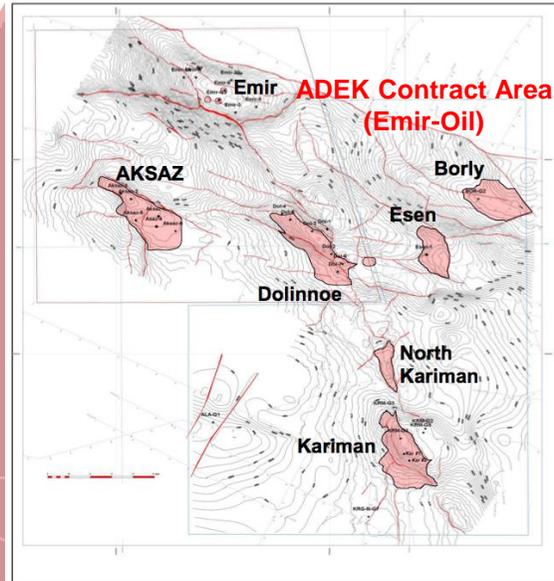


Linxing: Pipeline construction site. Gas gathering pipeline design has been completed

- Key transcontinental gas transport hub
- Above ground infrastructure with ample spare capacity
- Existing and planned demand far exceeds supply
- Shanxi Province alone (population ~ 35 million) underpins demand

# Group asset update

## Emir-Oil



### Emir-Oil (Aksaz, Dolinnoe, Emir, Kariman)

|                                     |                    |
|-------------------------------------|--------------------|
| <b>Ownership</b>                    | 100%               |
| <b>ADEK contract area</b>           | 850km <sup>2</sup> |
| <b>Gross wells (as of Jun 2015)</b> | 48                 |
| <b>Exploration license expiry</b>   | Jan 2017           |
| <b>Production license expiry</b>    |                    |
| Aksaz                               | 2036               |
| Dolinnoe                            | 2036               |
| Emir                                | 2030               |
| Kariman                             | 2036               |

### Reserves & resources summary (as of Dec 2014)

|   | Oil (mmbbl) | Gas (bcf) |
|---|-------------|-----------|
| 1P reserves   | 34          | 43        |
| 2P reserves   | 98          | 95        |
| 3P reserves   | 130         | 122       |
| 2C resources  | -           | -         |
| Prospective resources                               | 223         | -         |
| <b>Total reserves &amp; resources<sup>(1)</sup></b> | <b>321</b>  | <b>95</b> |



(1) Total 2P Reserves + 2C Contingent Resources + Prospective Resources

### Operation update

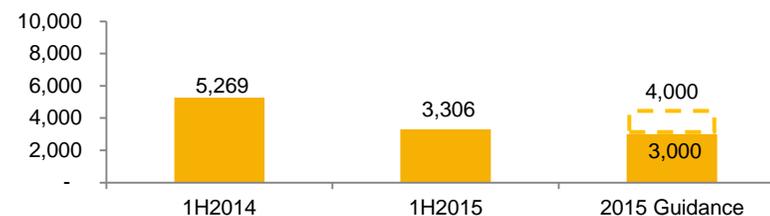
- Oil production decreased by 37.3% to 3,306 BOPD compared to 5,269 BOPD in 1H2014
- Average realized price: US\$48.76/bbl (1H2014: US\$78.04/bbl)

- Export: US\$53.68/bbl (1H2014: US\$88.19/bbl)

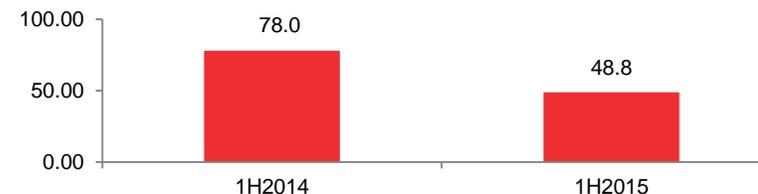
| (Per barrel)                   | Previous Route<br>(Jan - Jun 2014) | New Route<br>(Feb - Jun 2015) |
|--------------------------------|------------------------------------|-------------------------------|
| <b>Average Benchmark Price</b> | US\$109.18 (Brent)                 | US\$62.38 (Urals)             |
| <b>Discount to Titan</b>       | US\$20.99                          | US\$3.34                      |
| <b>Net Realized Price</b>      | US\$88.19                          | US\$59.04                     |
| <b>Distribution Expenses</b>   | -                                  | US\$12.02                     |

- Domestic: US\$12.03/bbl (1H2014: US\$39.71/bbl)
- Export:domestic sales mix: 88:12 (1H2014 : 79:21)
- Lifting costs continued to decrease, from US\$4.39/bbl to US\$4.31/bbl due to stringent operating expense control
- CPF construction work completion expected in mid-2016

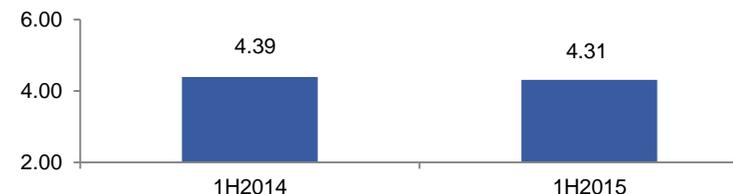
### Net oil production



### Average oil realized price<sup>(1)</sup>



### Lifting costs



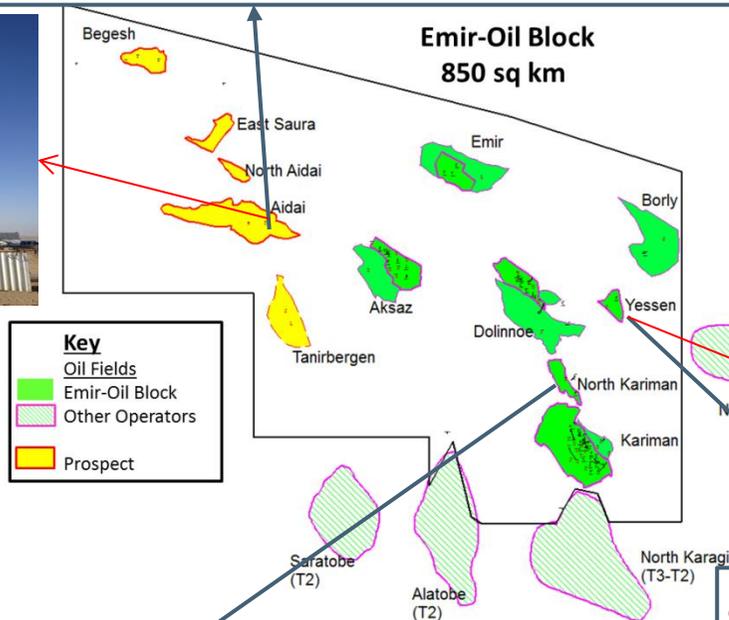
(1) Weighted average of Emir-Oil's export and domestic oil sales

# Group asset update

## Emir-Oil

### Exploration activities

- Exploration well Aidai-1 finished drilling in June 2015 at total depth of 5,080m. The well has pervasive oil shows in reservoir objective Triassic units and will be tested in 3-4Q2015



- YE2014 Reserve Report estimated the following Resources
  - ▣ Unrisked Prospective Resources: 223 mmbbls (Best Estimate)
- Interpretation of merged 3D seismic data covering entire exploration block and producing fields completed
- Appraisal wells Emir-5 and Dolinnoe-12 completed and testing in progress

- Extend pilot production permit for North Kariman-2 to YE2016
- North Kariman-1 appraisal well finished drilling and will be tested in 3Q2015

- Yessen-2 deviated well had encouraging test results (400-600 BOPD)



*Extended the ADEK exploration contract to Jan 2017*

# Group asset update

## US asset (Condor Energy)

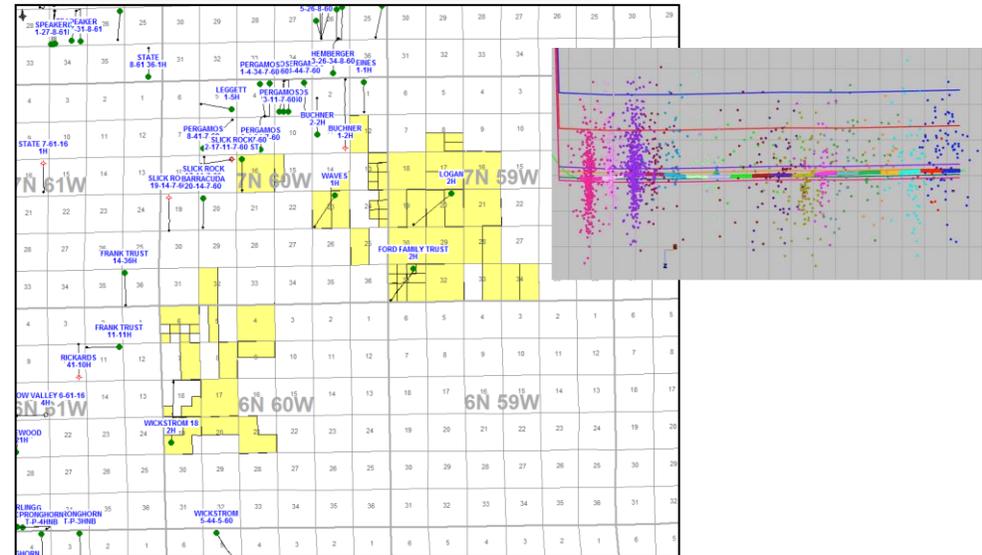
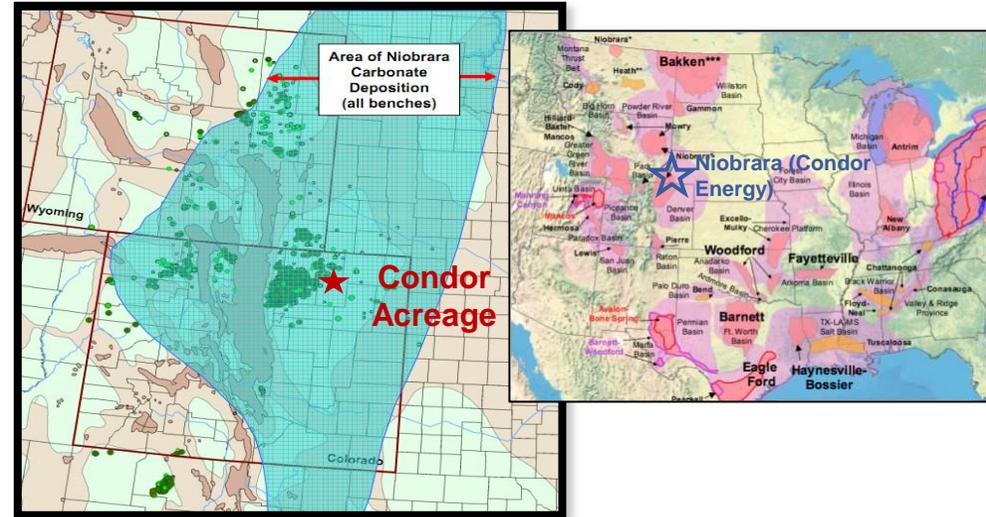
### Condor Energy

|                          |                   |
|--------------------------|-------------------|
| Ownership                | 100% <sup>1</sup> |
| Net acreage              | 6,502 acres       |
| Gross wells (horizontal) | 5                 |

### Operation update

### Condor Energy

- MIE operates 5 horizontal wells in a Colorado Niobrara asset through Condor Energy
  - No drilling activities planned for 2015 in the US
- For 1H2015, the average daily net oil and gas production was 66 BOPD and 117 Mcf/day, respectively
- Average realized oil and gas price was US\$43.27/barrel and US\$2.93/Mcf, respectively
- Operational and technological expertise gained from the drilling of 5 horizontal wells is being applied to Group's other existing assets



(1) 20% of Condor was transferred from PEDEVCO (formerly known as PEDCO) to MIEH in January 2015



# Financial update

 *MIE Holdings Corporation*



# Financial update

## Financial performance summary

| (In US\$ million)                    | 1H2014 |          |       |               |                     | 1H2015 |          |        |               |        | 2015 vs 2014(%) |
|--------------------------------------|--------|----------|-------|---------------|---------------------|--------|----------|--------|---------------|--------|-----------------|
|                                      | China  | Emir-Oil | USA   | Corp & Others | Total               | China  | Emir-Oil | USA    | Corp & Others | Total  |                 |
| <b>Revenue</b>                       | 215.8  | 77.0     | 2.1   | -             | 294.9               | 66.8   | 30.0     | 0.5    | -             | 97.3   | -67.1%          |
| <b>Segment operating result</b>      | 70.5   | 19.7     | (2.7) | (9.9)         | 77.6                | 3.9    | (2.4)    | (0.4)  | (11.5)        | (10.3) | -113.6%         |
| <i>Margin</i>                        | 32.7%  | 25.6%    | n/a   | n/a           | 26.3%               | 5.9%   | n/a      | n/a    | n/a           | n/a    | n/a             |
| <b>Profit before income tax</b>      | 66.7   | 25.2     | (2.5) | (68.5)        | 20.9 <sup>(2)</sup> | (11.3) | (2.8)    | 3.8    | (40.7)        | (51.1) | -343.4%         |
| <b>Net profit for the year</b>       | 50.1   | 26.0     | (2.5) | (68.5)        | 5.1 <sup>(2)</sup>  | (13.5) | (2.5)    | 3.8    | (40.8)        | (52.9) | -1,137.6%       |
| <i>Margin</i>                        | 23.2%  | 33.8%    | n/a   | n/a           | 1.7%                | n/a    | n/a      | 699.6% | n/a           | n/a    | n/a             |
| <b>EBITDA</b>                        | 146.6  | 28.8     | (0.2) | (13.4)        | 161.8               | 35.2   | 3.8      | 4.3    | (13.1)        | 30.2   | -81.4%          |
| <i>Margin</i>                        | 67.9%  | 37.4%    | n/a   | n/a           | 54.9%               | 52.7%  | 12.6%    | 793.6% | n/a           | 31.0%  | -23.9ppts       |
| <b>Adjusted EBITDA<sup>(1)</sup></b> | 146.6  | 31.9     | (0.2) | (10.8)        | 167.5               | 49.6   | 3.8      | (0.4)  | (8.2)         | 44.8   | -73.3%          |
| <i>Margin</i>                        | 68.0%  | 41.4%    | n/a   | n/a           | 56.8%               | 74.3%  | 12.8%    | n/a    | n/a           | 46.1%  | -10.7ppts       |

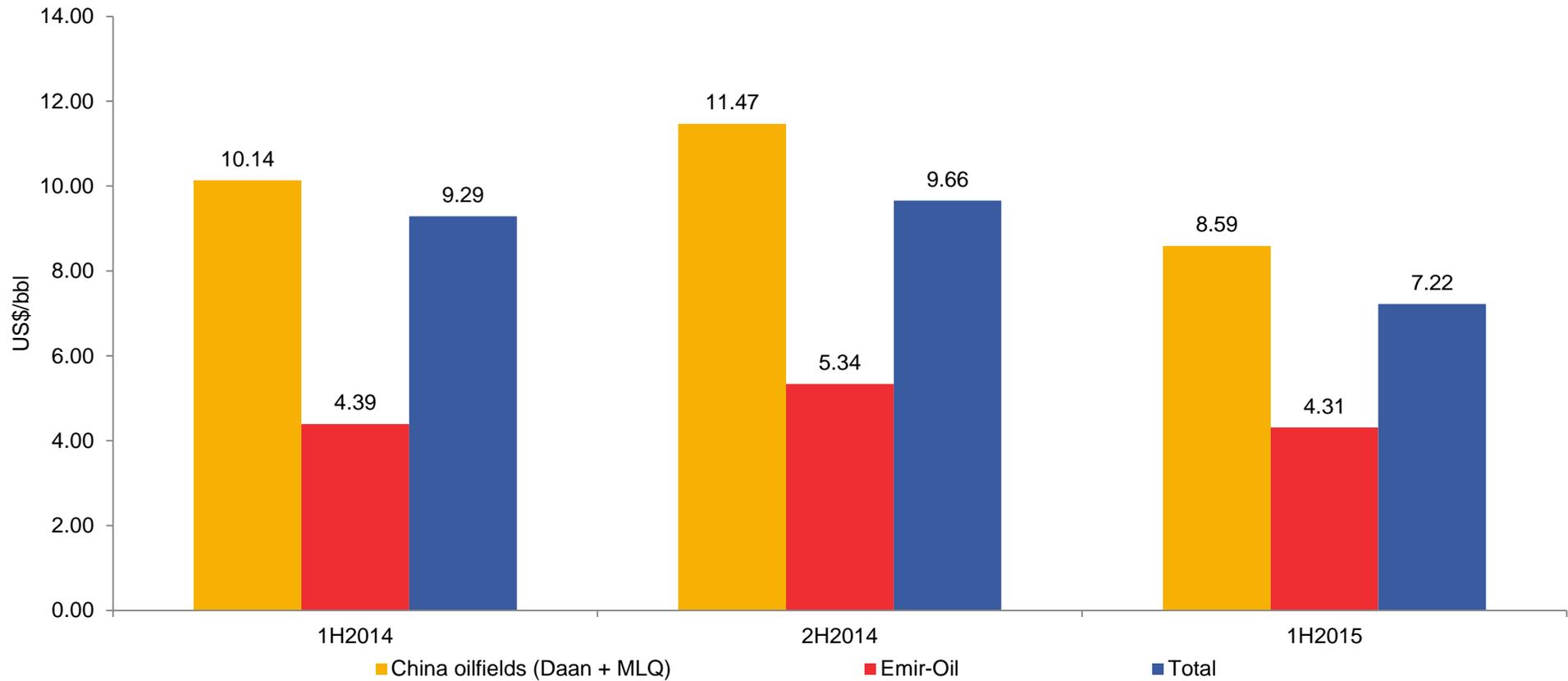
(1) Adj. EBITDA refers to EBITDA adjusted to exclude non-cash items such as share-based compensation expense, loss on impairment, withholding tax from intercompany loans, and any other non-recurring items such as disposal gains and losses, acquisition expense, and geological and geophysical expenses, etc

(2) Includes an one-off finance costs of RMB155 million (US\$25.2 million) regarding 2016 Notes redemption premium and certain unwinding of non-cash discounts / upfront-fees regarding the 2016 Notes

# Financial update

## Lifting costs analysis of China assets and Emir-Oil

Lifting cost per barrel <sup>(1)</sup>

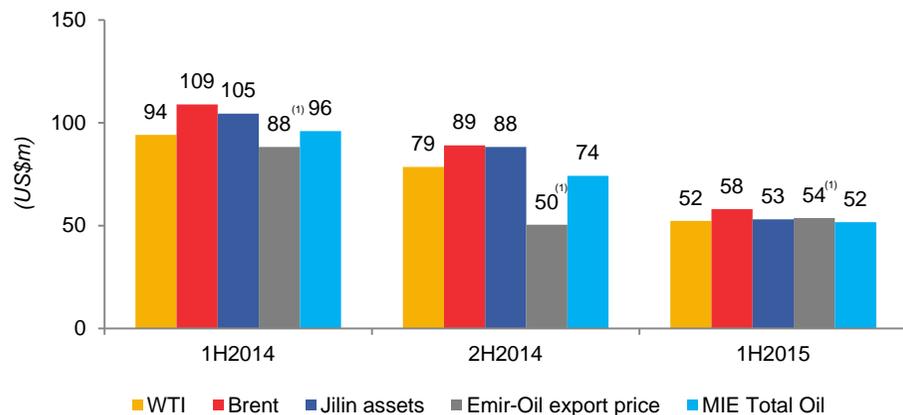


(1) Lifting costs includes directly controllable costs to produce a barrel of oil. Other production costs such as safety fee, environment expenses, technical & research expense and overhead have not been included since they are not directly attributable to the production of a barrel of oil

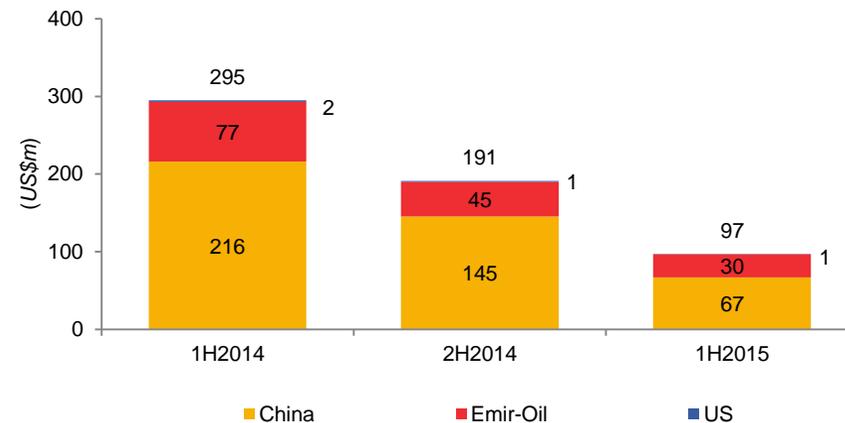
# Historical financials

## Key sales related statistics

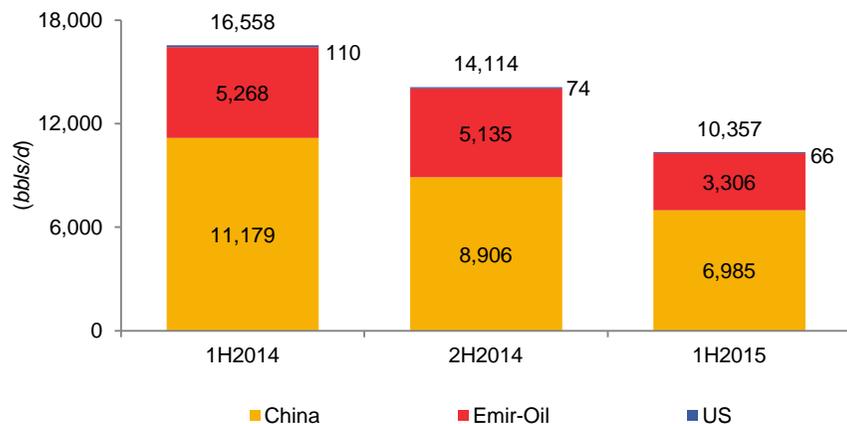
### Average realized oil price



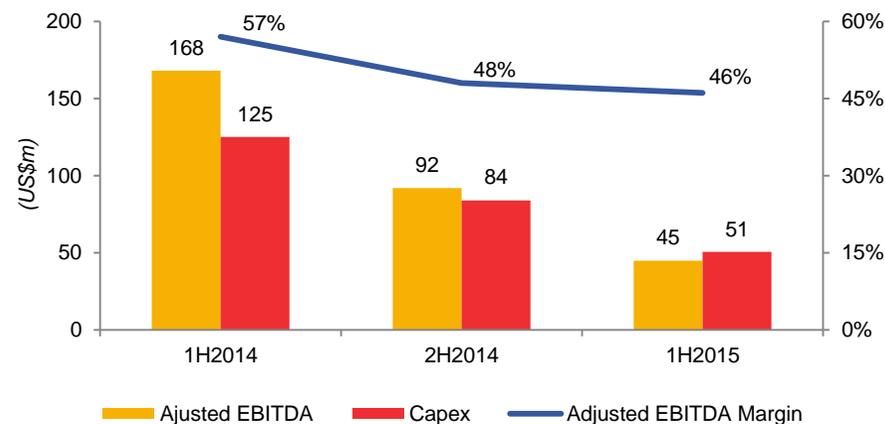
### Revenue breakdown by region



### Average daily net oil production breakdown by region



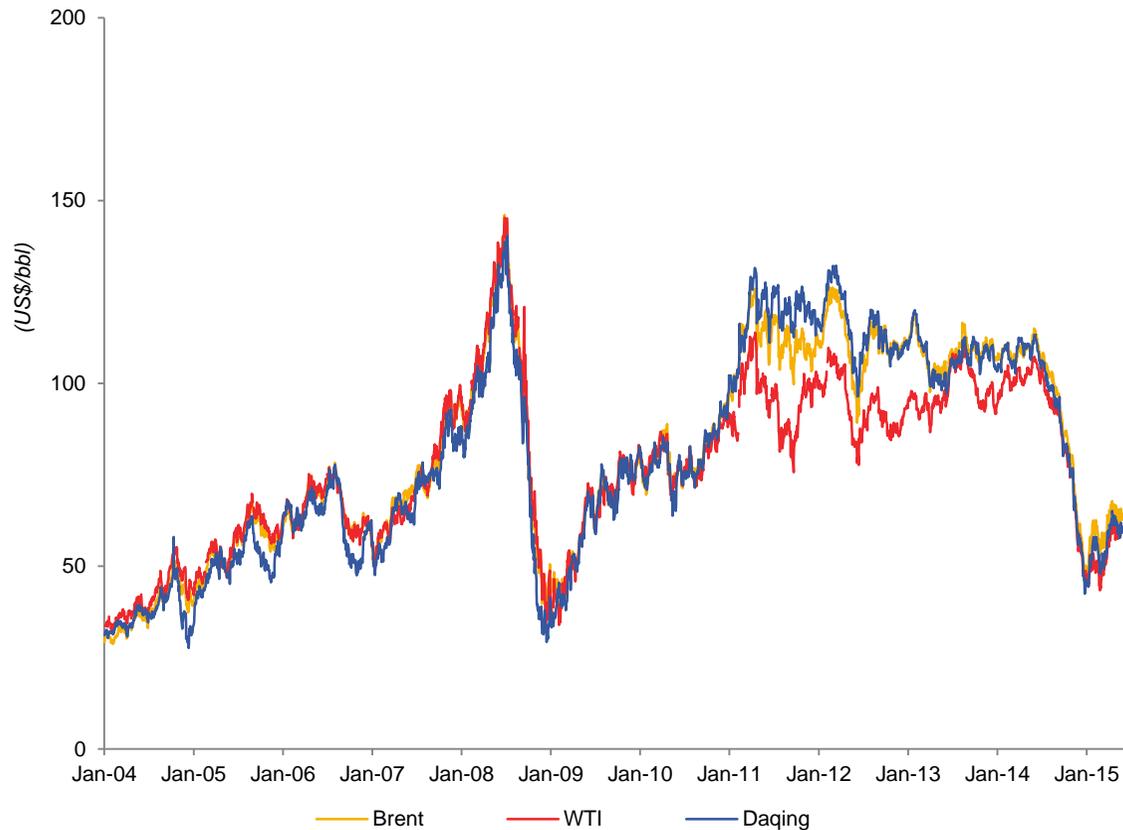
### Adj. EBITDA and Capex<sup>(2)</sup>



(1) Emir-Oil average realized export oil price before transportation costs and marketing commissions borne by customer, Titan Oil  
 (2) Capex for this charts refers to the cash used for purchase of PPE in the cashflow statement

# Financial update

## Oil price performance



| Oil price (US\$/bbl)                   | 1H2014           | 1H2015          | 2015 vs 2014 |
|--|------------------|-----------------|--------------|
| <b>Jilin assets</b>                    |                  |                 |              |
| Avg. realised oil price                | 104.6            | 53.1            | (51.5)       |
| Avg. Daqing price                      | 104.9            | 53.2            | (51.7)       |
| <b>Emir-Oil (export)<sup>(1)</sup></b> |                  |                 |              |
| Avg. realised export oil price         | 88.2             | 59.0            | (29.2)       |
| Discount to Titan                      | 21.0             | 3.3             | (17.7)       |
| Distribution Expense                   | -                | 12.0            | 12.0         |
| Average Benchmark price                | 109.2<br>(Brent) | 62.4<br>(Urals) | n/a          |
| <b>US asset</b>                        |                  |                 |              |
| Avg. realised oil price                | 89.3             | 43.3            | (46.0)       |
| Avg WTI price                          | 94.1             | 52.3            | (41.8)       |

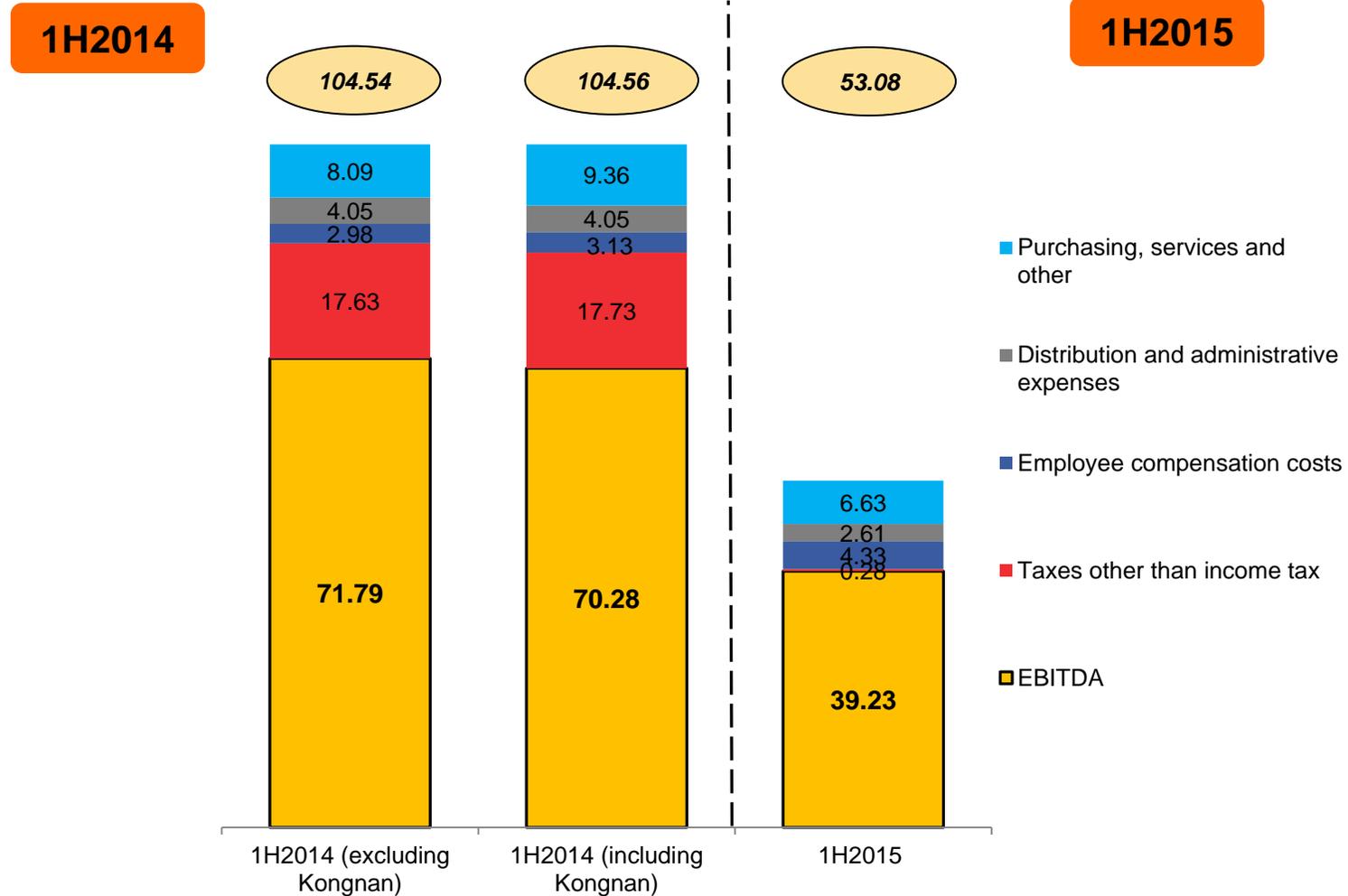
Source: Bloomberg

(1) Emir-Oil 1H2015 figures refer to February – June 2015, reflecting the results of the new sales route

# Financial update

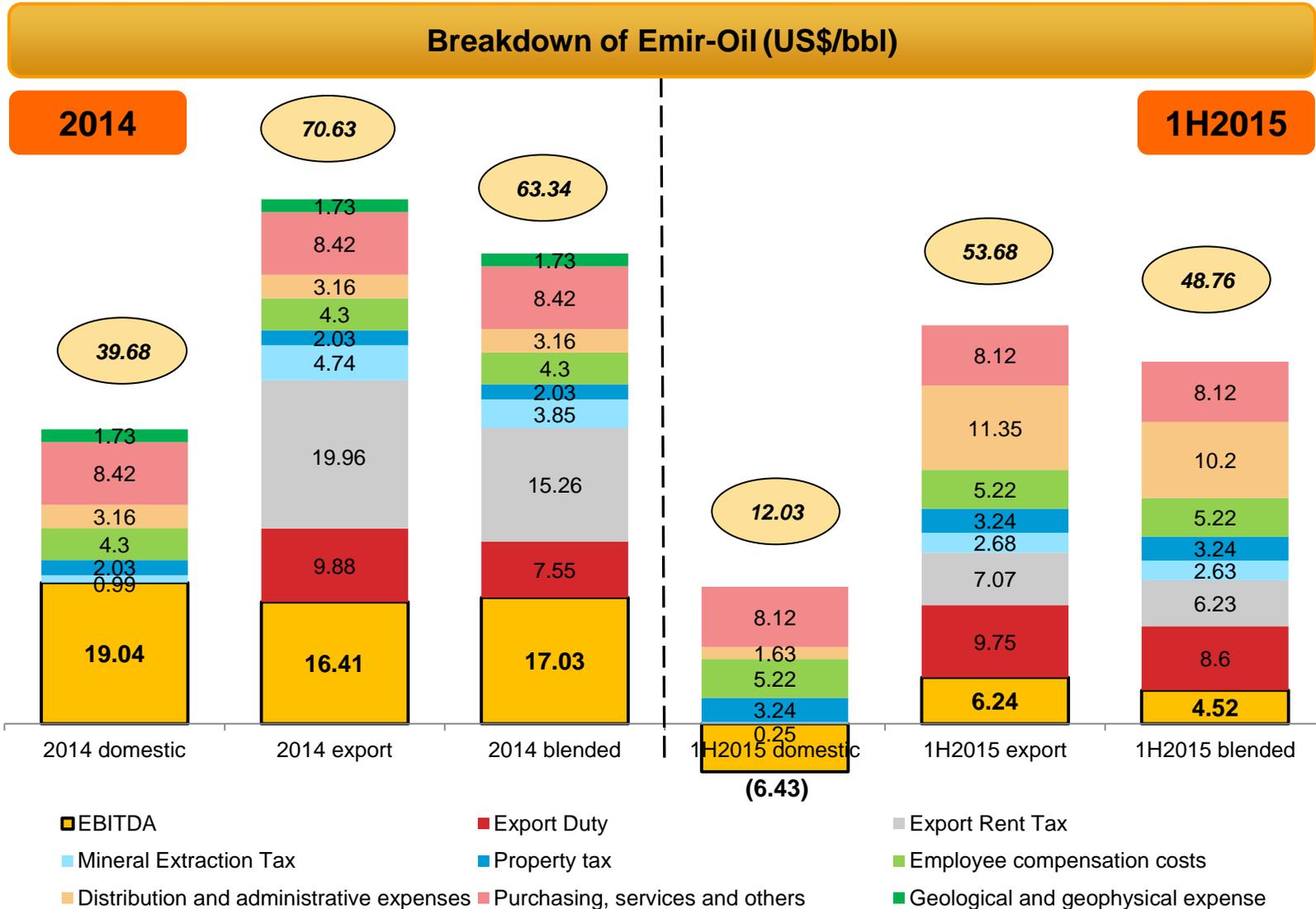
## EBITDA breakdown analysis of China assets

### Breakdown of China Oilfields (US\$/bbl)



# Financial update

## EBITDA breakdown analysis of Emir-Oil assets



# Financial update

## Cash flow statement and key credit statistics

For the period ended Jun 30

(In US\$ million)

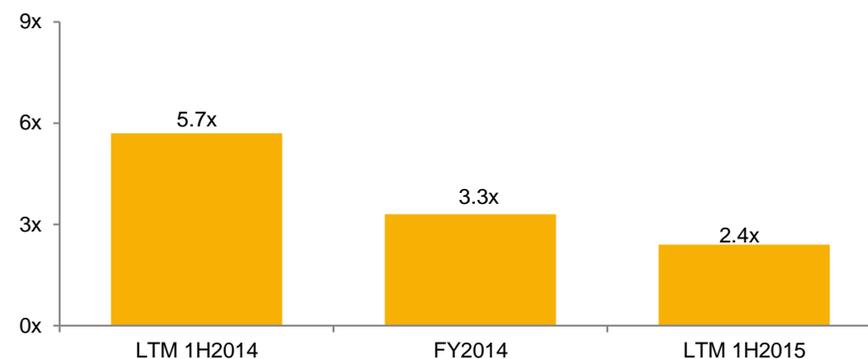
### Cash Flow Statement

|  | 1H2015      | 1H2014       |
|--|-------------|--------------|
| <b>Cash generated from operations</b>        | 42          | 125          |
| Interest paid                                | (26)        | (27)         |
| Income tax paid                              | (2)         | (9)          |
| <b>Net cash generated from operations</b>    | <b>14</b>   | <b>89</b>    |
| <b>Purchase of PP&amp;E</b>                  | (51)        | (112)        |
| Investments in SGE                           | (18)        | (44)         |
| Others                                       | 5           | 3            |
| <b>Net cash used in investing activities</b> | <b>(63)</b> | <b>(153)</b> |
| Proceeds from borrowings/bonds               | 41          | 495          |
| Repayments of borrowings/bonds               | -           | (432)        |
| Pledged Deposits                             | (40)        | -            |
| Others                                       | (5)         | (10)         |
| <b>Net cash from financing activities</b>    | <b>(4)</b>  | <b>53</b>    |
| <b>Net increase/(decrease) in cash</b>       | <b>(52)</b> | <b>(11)</b>  |

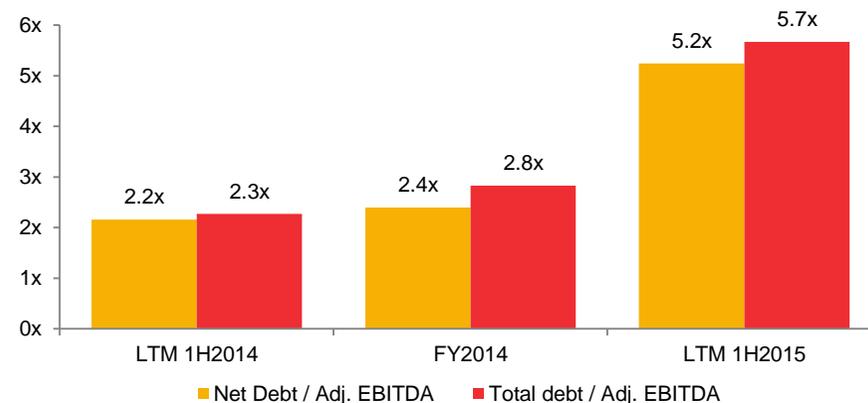
### Capitalization Table

|                             | 1H2015       | 1H2014       |
|-----------------------------|--------------|--------------|
| <b>Cash Positions</b>       | <b>59</b>    | <b>35</b>    |
| Short-term Debt             | 97           | 10           |
| Long-term Debt              | 684          | 680          |
| <b>Total Debt</b>           | <b>780</b>   | <b>690</b>   |
| <b>Net Debt</b>             | <b>722</b>   | <b>655</b>   |
| <b>Total Equity</b>         | <b>523</b>   | <b>599</b>   |
| <b>Total Capitalization</b> | <b>1,245</b> | <b>1,254</b> |

### Adj. EBITDA / net interest expense<sup>(1)</sup>



### Net Debt and total debt / Adj. EBITDA



(1) 1H2014 net interest expenses includes one-off finance expenses of approximately RMB120 millions call premium for the early redemption of the US\$400 millions 9.75% senior notes due 2016, and also approximately RMB35M unamortized issuance costs of the 2016 Notes charged to profit and loss account as a result of the redemption as an one-off expense

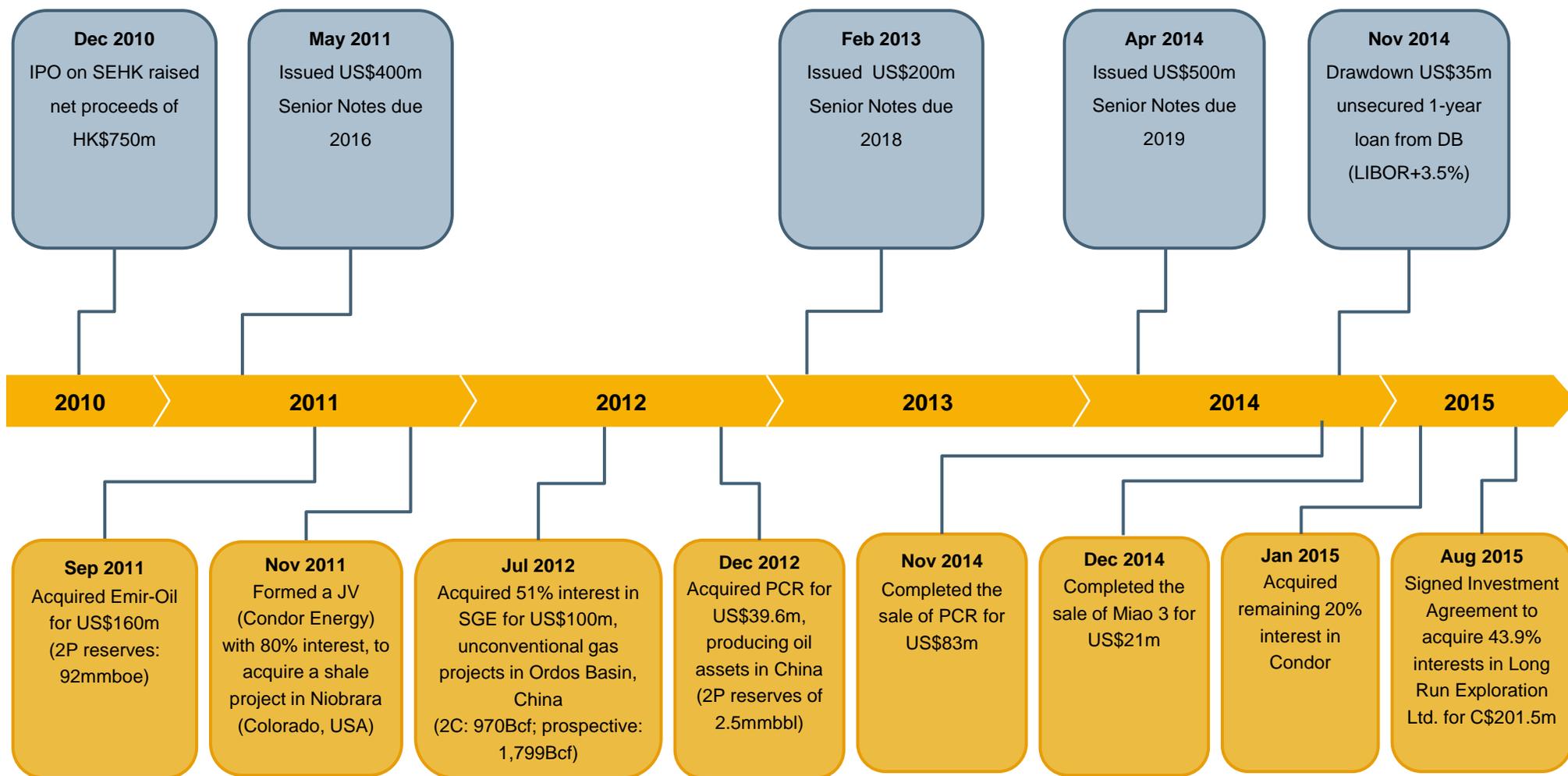


# Appendix

 *MIE Holdings Corporation*



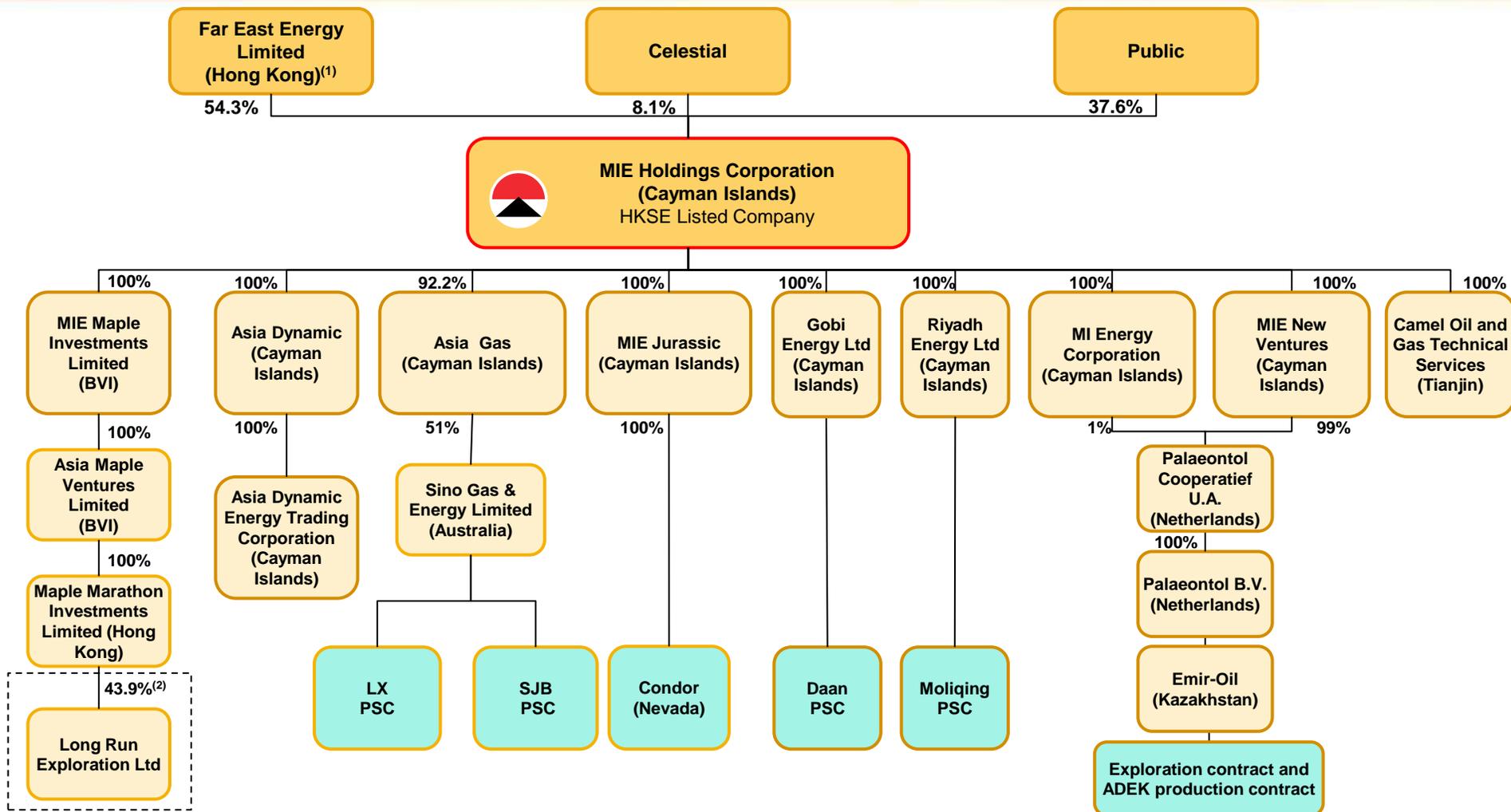
# Key milestones



 Financing Activities

 M&A Activities

# Corporate and shareholding structure (August 2015)

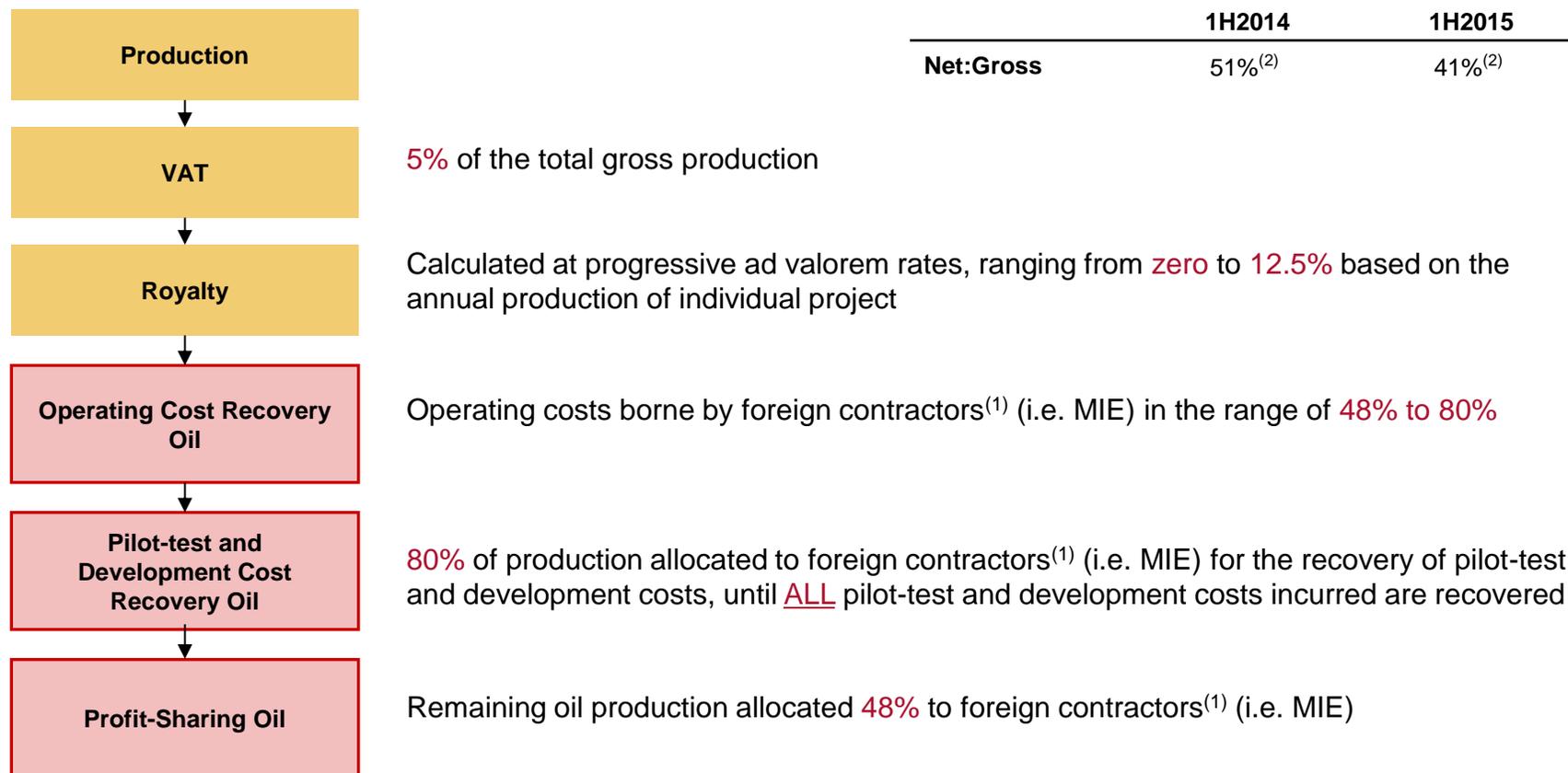


(1) FEEL is held by Zhao Jiangbo ("Mrs. Zhang"), Zhang Ruilin ("Mr. Zhang"), Zhao Jiangwei ("Mr. Zhao") and Shang Zhiguo as to 80%, 9.99%, 10% and 0.01% respectively. FEEL holds 54.3% interests in MIEH through its wholly owned subsidiaries. Mr. Zhang, MIEH's executive director, chairman and chief executive officer, Mr. Zhao, MIEH's executive director and senior vice president and Mrs. Zhang are the controlling shareholders of FEEL

(2) Shareholdings in Long Run Exploration Ltd subject to completion of the acquisition pursuant to the Investment Agreement entered into on August 2, 2015 between Maple Marathon Investments Limited and Long Run Exploration Ltd

# Strong cash flow supported by PSC structure

## Jilin assets oil allocation under PSCs



**Oil produced is fully allocated to foreign contractors<sup>(1)</sup> (i.e. MIE) to recover ALL Opex and Capex, after which it is allocated 48% of oil production as profit-sharing oil**

(1) Foreign contractors include MIE (90%) and GOC (10%)

(2) Net:Gross ratio calculated based on production volume

# China Special Levy (Windfall Tax) Calculation

| <-----New Regime effective from 2015/1/1-----> |           |          |              |                    | <-----Old Regime-----> |          |              |                    |                    |
|--|-----------|----------|--------------|--------------------|------------------------|----------|--------------|--------------------|--------------------|
| Oil Price                                      | Threshold | Tax Rate | Windfall Tax | Effective Tax Rate | Threshold              | Tax Rate | Windfall Tax | Effective Tax Rate | Saved Windfall Tax |
| 40   | 65        | 0%       | --           | 0.00%              | 55                     | 0%       | --           | 0.00%              | --                 |
| 45   | 65        | 0%       | --           | 0.00%              | 55                     | 0%       | --           | 0.00%              | --                 |
| 50   | 65        | 0%       | --           | 0.00%              | 55                     | 0%       | --           | 0.00%              | --                 |
| 55   | 65        | 0%       | --           | 0.00%              | 55                     | 20%      | --           | 0.00%              | --                 |
| 60   | 65        | 0%       | --           | 0.00%              | 55                     | 20%      | 1.00         | 1.67%              | 1.00               |
| 65   | 65        | 20%      | --           | 0.00%              | 55                     | 25%      | 2.25         | 3.46%              | 2.25               |
| 70   | 65        | 20%      | 1.00         | 1.43%              | 55                     | 30%      | 3.75         | 5.36%              | 2.75               |
| 75   | 65        | 25%      | 2.25         | 3.00%              | 55                     | 35%      | 5.50         | 7.33%              | 3.25               |
| 80   | 65        | 30%      | 3.75         | 4.69%              | 55                     | 40%      | 7.50         | 9.38%              | 3.75               |
| 85   | 65        | 35%      | 5.50         | 6.47%              | 55                     | 40%      | 9.50         | 11.18%             | 4.00               |
| 90   | 65        | 40%      | 7.50         | 8.33%              | 55                     | 40%      | 11.50        | 12.78%             | 4.00               |
| 100  | 65        | 40%      | 11.50        | 11.50%             | 55                     | 40%      | 15.50        | 15.50%             | 4.00               |
| 110  | 65        | 40%      | 15.50        | 14.09%             | 55                     | 40%      | 19.50        | 17.73%             | 4.00               |
| 120  | 65        | 40%      | 19.50        | 16.25%             | 55                     | 40%      | 23.50        | 19.58%             | 4.00               |
| 130  | 65        | 40%      | 23.50        | 18.08%             | 55                     | 40%      | 27.50        | 21.15%             | 4.00               |
| 140  | 65        | 40%      | 27.50        | 19.64%             | 55                     | 40%      | 31.50        | 22.50%             | 4.00               |
| 150  | 65        | 40%      | 31.50        | 21.00%             | 55                     | 40%      | 35.50        | 23.67%             | 4.00               |

# Jilin assets - sales and marketing

## Sole customer

PetroChina has been MIE's sole customer. Selling to PetroChina is MIE's choice, not obligation  
MIE believes PetroChina is the best customer given they make timely payments

## Process

MIE transports all crude oil produced from oilfields through their pipelines or by truck to the delivery points designated by PetroChina

## Transportation and sales costs

US\$1.24 per barrel (RMB52 / ton) as stipulated in the sales contract

## Price of crude oil sold

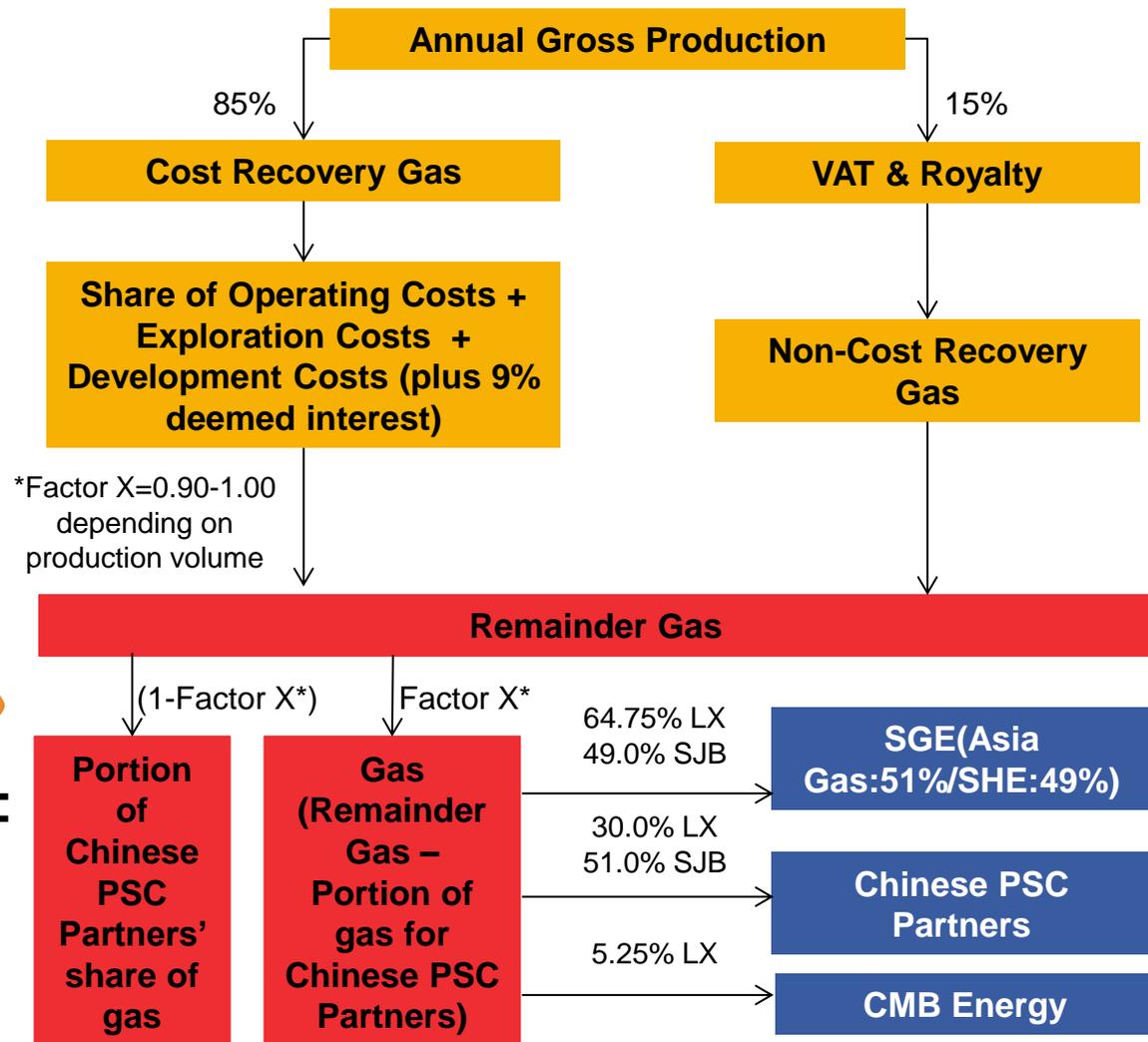
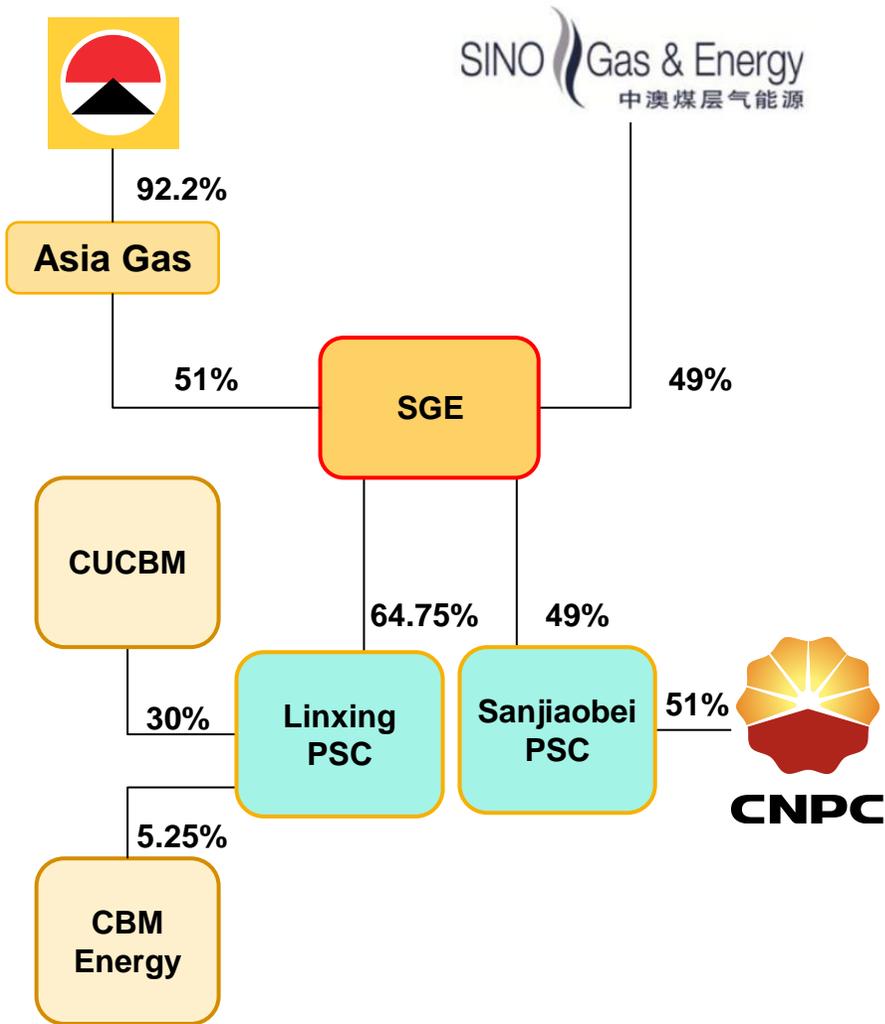
Determined each month according to the price of Daqing crude oil published in PlattsOilgram, for the previous month  
The average sales prices per barrel of oil in 2013, 2014 and 1H2015 were US\$104.3, US\$97.3 and US\$53.1 respectively

## Billing and payment

All invoice is issued to PetroChina within 5 days after the end of each month, who pays MIE within 20 days of invoice  
Invoice amount = Daqing crude oil price x volume of crude oil attributable to foreign contractors for the month

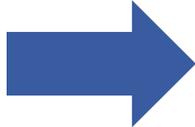
The sales agreement and PSC structure ensures that PetroChina purchases 100% of crude oil produced each year, with no volume restraint, subject to the approval of the production amounts by the joint management committee

# SGE ownership & PSC structure



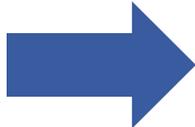
# China's favourable government policies and incentives for unconventional gas

## Gas pricing Policies



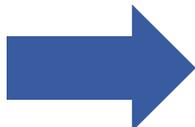
- NDRC implementing a pilot program to test a more market-based gas pricing system to replace the existing “cost-plus” system
- Unconventional gas will move toward import parity netback pricing
- On 10 July, 2013 NDRC raised non-residential natural gas price to RMB1.95/cm (c.US\$8.90/Mcfg)
- On 12 Aug, 2014 NDRC further increased non-residential natural gas price to RMB2.47/cm (c. US\$11.25/Mcfg)
- On 28 Feb, 2015 NDRC lowered non-residential natural gas price to RMB2.15/cm (c. US\$9.78/Mcfg) to stimulated higher consumption demand

## Gas pipelines



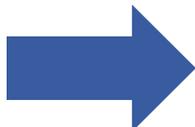
- China's natural gas pipelines are under-developed  
Vast potential of commercializing unconventional gas is hindered by pipeline infrastructure obstacles
- Government has given priority to unconventional gas over conventional gas for pipelines connection

## Government Subsidies



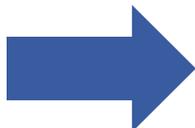
- Government subsidy of RMB0.40/cm for shale gas from 2012-2015<sup>(1)</sup>
- Government subsidy of RMB0.20/cm for CBM, which is expected to increase to RMB0.60/cm
- VAT Tax refund and accelerated depreciation

## Permits



- Foreign companies have been allowed a majority stake in unconventional gas projects
- Overall Development Plans (“ODP”) is a key milestone toward commercial production

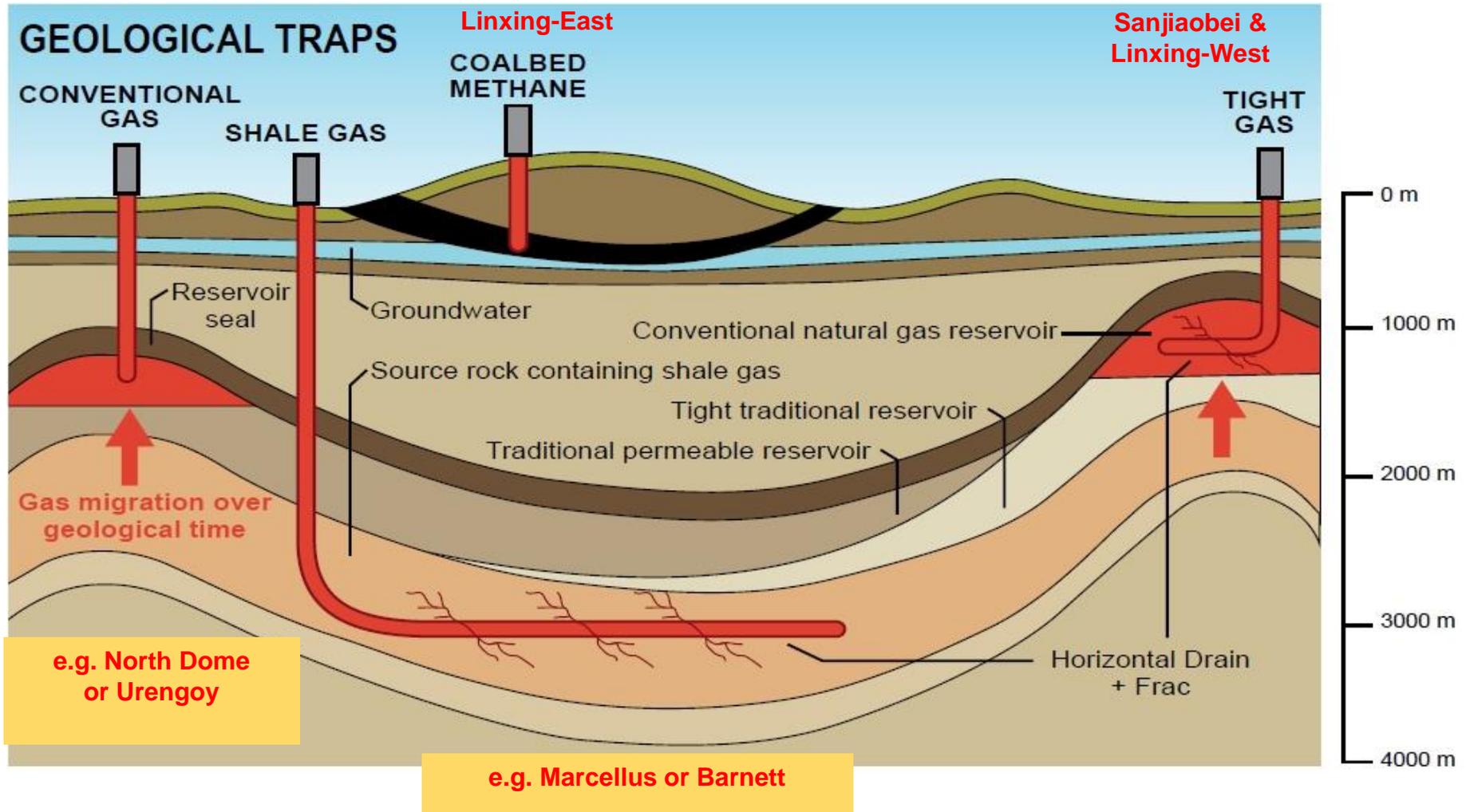
## Environmental consideration



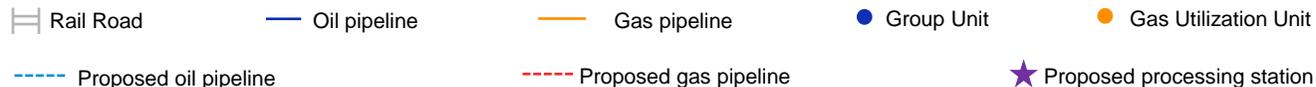
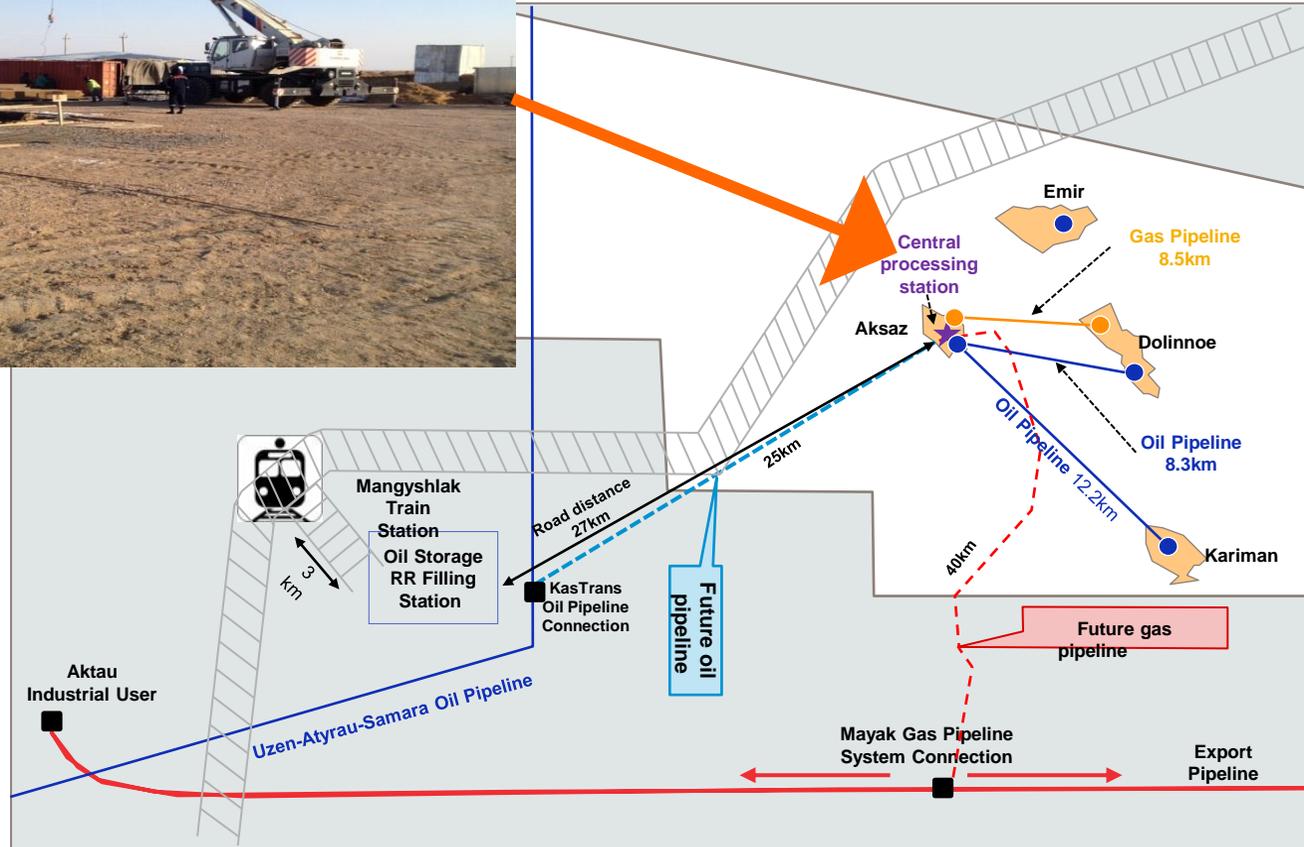
- The 12<sup>th</sup> 5-yr plan aims to reduce 1) by 17% carbon dioxide emissions by 2015, and 2) the weighting of fossil energy, which signaling promotion of clean energy
- Non-conventional gas is considered an important energy source to tackle China's environmental concerns

(1) Based on relevant policies set by Chinese government

# Understanding SGE Gas Reservoirs



# Emir-Oil O&G marketing options Infrastructure Map



Note: The diagram is only a schematic diagram, not scaled in actual ratio

- Replace current rental facility, which has processing capacity:
  - 6,480 BOPD
  - 5.25 mmcfcpd
- New oil and gas processing station
  - Processing capacity: oil 12,000bopd, gas 600,000m<sup>3</sup>/d (21 mmcfcpd)
  - FEED completed and the proposal had been approved by the government
  - Land rights already in place
  - Jan 2014: awarded China-listed Beijing Oil HBP the contract for skid-mounted oil and gas processing equipment
    - Signed in Feb 2014 and construction work has started
- New oil pipeline
  - Specification: length of 25km, diameter of 219mm
  - Transportation capacity: 2-4.5mmbbl p.a.(5,450-12,400BOPD)
  - Land rights already in place
- New gas pipeline
  - Specification: length of 35km, diameter of 219mm
  - Transportation capacity: 300,000-600,000m<sup>3</sup>/d(10.6-21.2 mmcfcpd)
  - Land rights agreement reached
- The proposed facilities expected to be completed in mid 2016

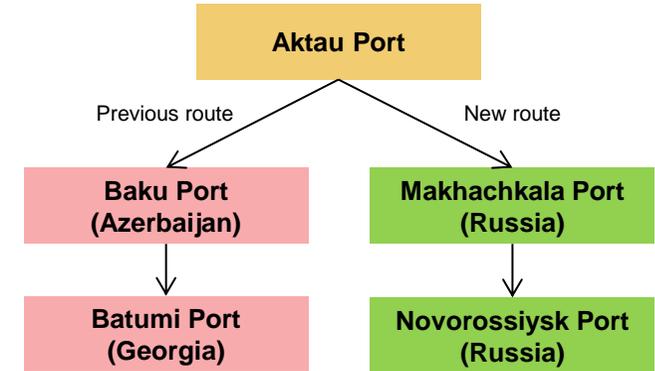
# Emir-Oil new sales route



1 New route: Aktau - Makhachkala - Novorossiysk — Pipeline — Railway — Shipping

2 Previous route: Aktau - Baku - Batumi

(1) Conversion ratio between ton:barrel is 1:7.2 and 1:7.5 in new route and previous route, respectively  
 (2) Urals (RCMB) is usually lower than Brent, but sales related tax is also cheaper using Urals (RCMB). Netting all the differences, we expect to save US\$3/bbl using the new route



| (US\$/ton)  | Previous Route | New route    |
|---|----------------|--------------|
| Trucks, railway and port fee (up to delivery to Aktau Port)         | 36.3           | 36.3         |
| Insurance fee   | 2.3            | 3.3          |
| Aktau-Makhachkala Freight Tariff                                    | n/a            | 14.4         |
| Aktau-Baku-Batumi Freight Tariff                                    | 61.5           | n/a          |
| Oil tankers related fees  | 12.6           | 4.6          |
| Makhachkala-Novorossiysk Pipeline tariff and other related expenses | n/a            | 18.4         |
| <b>Total (Before Black Sea Freight)</b>                             | <b>112.8</b>   | <b>76.9</b>  |
| Sales discount  | 7.1            | 9.5          |
| Black Sea Freight Tariff and related expenses                       | 17.3           | 9.4          |
| Finance expenses  | 6.8            | 3.6          |
| Buyer commission  | 1.5            | 1.4          |
| <b>Total cost/ton</b>   | <b>154.4</b>   | <b>100.8</b> |
| <b>Total cost/barrel<sup>(1)</sup></b>                              | <b>19.4</b>    | <b>14.0</b>  |
| <b>Benchmark prices<sup>(2)</sup></b>                               | <b>Brent</b>   | <b>Urals</b> |

# Kazakhstan tax summary

## Rent export tax

Calculated based on the export sales price and ranges from as low as 0% if the export sales price is less than US\$40 per barrel to as high as 32% if the export sales price per barrel exceeds US\$190

## Mineral extraction tax

Depends on annual production output. The tax code currently provides for a 5% mineral extraction tax rate on production sold to the export market, and for domestic oil is calculated at 2.5% based on barrels of domestic oil multiplied by production cost per barrel multiplied by 120%

## Rent export duty expenditure

In July 2010 the government issued a resolution that reenacted the export duty for several products, including crude oil. Emir Oil became subject to the export duty in September 2010. Effective in Apr 2013, the government of the Republic of Kazakhstan increased the fixed rate for the export duty from US\$40 per ton to US\$60 per ton. Effective in March 2014, the fixed rate for export duty further to US\$80 per ton, or approximately US\$10.53 per barrel exported. Effective in April 2015, the fixed rate was changed to US\$60 per ton, or approximately US\$8.11 per barrel exported

## Excess profit tax

EPT is applicable as soon as the ratio of annual aggregate income to annual tax deductions exceeds a ratio of 1.25. Deductibles include costs and losses. EPT is structured to encourage operators to invest/develop in oil/gas fields. Emir Oil has never had to pay EPT

## Property tax

Property tax is payable on oil and gas assets which have been granted a production license at a rate of 1.5% based on average balance of oil and gas properties

## Corporate income tax

The Tax Code set the tax rate at 20%. Prior to 2009, corporate income tax rate was 30%

# Kazakhstan tax summary (continued)

## 1. Export Duty US\$8.11/bbl (US\$60/ton effective Mar 2015)

## 2. Export Rent Tax

| Rate      | 7%          | 11%         | 14%         | 16%          | 17%          | 19%          | 21%          | 22%          | 23%          | 25%          | 26%          | 27%          | 29%          | 30%          | 32%          |              |       |
|-----------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------|
| Oil Price | 40          | 50          | 60          | 70           | 80           | 90           | 100          | 110          | 120          | 130          | 140          | 150          | 160          | 170          | 190          |              |       |
| Oil Price | 50          | 60          | 70          | 80           | 90           | 100          | 110          | 120          | 130          | 140          | 150          | 160          | 170          | 180          | 500          | ERT          | ERT % |
| 40        | --          | --          | --          | --           | --           | --           | --           | --           | --           | --           | --           | --           | --           | --           | --           | --           | 0.0%  |
| 50        | <b>3.50</b> | --          | --          | --           | --           | --           | --           | --           | --           | --           | --           | --           | --           | --           | --           | <b>3.50</b>  | 7.0%  |
| 60        | --          | <b>6.60</b> | --          | --           | --           | --           | --           | --           | --           | --           | --           | --           | --           | --           | --           | <b>6.60</b>  | 11.0% |
| 70        | --          | --          | <b>9.80</b> | --           | --           | --           | --           | --           | --           | --           | --           | --           | --           | --           | --           | <b>9.80</b>  | 14.0% |
| 80        | --          | --          | --          | <b>12.80</b> | --           | --           | --           | --           | --           | --           | --           | --           | --           | --           | --           | <b>12.80</b> | 16.0% |
| 90        | --          | --          | --          | --           | <b>15.30</b> | --           | --           | --           | --           | --           | --           | --           | --           | --           | --           | <b>15.30</b> | 17.0% |
| 100       | --          | --          | --          | --           | --           | <b>19.00</b> | --           | --           | --           | --           | --           | --           | --           | --           | --           | <b>19.00</b> | 19.0% |
| 110       | --          | --          | --          | --           | --           | --           | <b>23.10</b> | --           | --           | --           | --           | --           | --           | --           | --           | <b>23.10</b> | 21.0% |
| 120       | --          | --          | --          | --           | --           | --           | --           | <b>26.40</b> | --           | --           | --           | --           | --           | --           | --           | <b>26.40</b> | 22.0% |
| 130       | --          | --          | --          | --           | --           | --           | --           | --           | <b>29.90</b> | --           | --           | --           | --           | --           | --           | <b>29.90</b> | 23.0% |
| 140       | --          | --          | --          | --           | --           | --           | --           | --           | --           | <b>35.00</b> | --           | --           | --           | --           | --           | <b>35.00</b> | 25.0% |
| 150       | --          | --          | --          | --           | --           | --           | --           | --           | --           | --           | <b>39.00</b> | --           | --           | --           | --           | <b>39.00</b> | 26.0% |
| 160       | --          | --          | --          | --           | --           | --           | --           | --           | --           | --           | --           | <b>43.20</b> | --           | --           | --           | <b>43.20</b> | 27.0% |
| 170       | --          | --          | --          | --           | --           | --           | --           | --           | --           | --           | --           | --           | <b>49.30</b> | --           | --           | <b>49.30</b> | 29.0% |
| 180       | --          | --          | --          | --           | --           | --           | --           | --           | --           | --           | --           | --           | --           | <b>54.00</b> | --           | <b>54.00</b> | 30.0% |
| 190       | --          | --          | --          | --           | --           | --           | --           | --           | --           | --           | --           | --           | --           | --           | <b>60.80</b> | <b>60.80</b> | 32.0% |
| 200       | --          | --          | --          | --           | --           | --           | --           | --           | --           | --           | --           | --           | --           | --           | <b>64.00</b> | <b>64.00</b> | 32.0% |

## 3. Mineral Extraction Tax (Export Oil)

| Rate                   | 5.0% | 7.0% | 8.0%  | 9.0%  | 10.0% | 11.0% | 12.0% | 13.0% | 15.0%  | 18.0%  |
|------------------------|------|------|-------|-------|-------|-------|-------|-------|--------|--------|
| Production (thsd tons) | -    | 250  | 500   | 1,000 | 2,000 | 3,000 | 4,000 | 5,000 | 7,000  | 10,000 |
| Production (thsd tons) | 250  | 500  | 1,000 | 2,000 | 3,000 | 4,000 | 5,000 | 7,000 | 10,000 |        |