

Rating Hold

Company PetroChina

Asia China

Energy Oil & Gas Reuters 0857.HK Bloomberg 857 HK Exchange Ticker HKG 0857

ADR Ticker ISIN
PTR US71646E1001

Solid 2014 results - not so sure how we got there

E&P surprises

PetroChina (PTR) reported solid 2014 net income of Rmb 107.2bn (0.59/ share) vs. our Rmb 113.2bn (0.62/ shr). Op income was Rmb 169.8bn vs. our 172.6bn with revenues of Rmb 2.28tr vs. our 2.27tr. The dividend payout remained 45%; capex fell -8.5% to Rmb 297.7bn; the capex target for 2016e of Rmb 250bn remains; the tax rate was high at 24% vs. our 21% est. E&P revenue fell -3.3% 40/30 while (adjusted) oil price fell -17.6%; E&P op profit fell -6.4% 0/q. We maintain our Hold on PTR given the prospect of a difficult 2015e.

Operating Income by Segment (2014)

Operating income by segment was: 1) E&P Rmb 186.8bn vs. our 177bn; 2) Refining & Chemicals Rmb -23.5bn vs. our -18.4bn: refining lost -9.7bn in 4Q14 and -7.1bn for the full year; 3) Marketing Rmb 5.4bn vs. our 13.4bn: marketing lost -5.1bn 4Q14; 4) Natural Gas Pipeline Rmb 13.1bn vs. our 13.1bn. E&P surprised to the upside; Marketing to the downside. We have added to our E&P margins / estimates 2015-20; we have taken away from Gas & Pipeline.

Investment thesis – remain optimistically cautious

We continue to "wait out this storm" in PTR. Although we were surprised to the upside with 4Q & FY14 results, we suspect 1Q15 / 1H15 will be difficult. How 4Q/ 3Q revenues dropped by only -3.3% while the (adjusted) Brent oil price fell -17.7% and oil production growth (4Q14/3Q14) +4.5% (1.4% y/y). The gas and pipeline business did well although import losses (Rmb -35bn) were high relative to our estimate (Rmb 28bn) with domestic gas making more.

Valuation and risks

We value PTR from a DCF. Our WACC is 7.6% with a CoE of 9.5%, an after tax CoD of 2.9% and 29.5% debt-to-capital. We use a DB standard China Rfr of 3.9% and ErP of 5.6%. Our TG rate of 1.5% reflects our view of PTR's LT sustainable BOE production growth. Risks include 1) higher / lower oil prices; and 2) higher / lower natural gas prices.

Forecasts And Ratios					
Year End Dec 31	2013A	2014A	2015E	2016E	2017E
Sales (CNYm)	2,258,124.0	2,282,962.0	2,097,469.8	2,385,958.6	2,720,691.8
EBITDA (CNYm)	352,007.2	347,296.0	319,818.5	370,003.5	390,218.4
DB Net Profit (CNY)	129,598.8	107,172.0	83,463.4	114,524.0	124,097.8
DB EPS FD(CNY)	0.71	0.59	0.46	0.63	0.68
OLD DB EPS FD(CNY)	0.71	0.62	0.44	0.53	_
% Change	0.0%	-5.4%	3.8%	19.1%	_
DB EPS growth (%)	12.4	-17.3	-22.1	37.2	8.4
PER (x)	10.6	12.4	14.7	10.7	9.9
EV/EBITDA (x)	5.2	5.2	5.5	4.6	4.2
DPS (net) (CNY)	0.32	0.26	0.21	0.28	0.31
Yield (net) (%)	4.3	3.6	3.1	4.2	4.6
Source: Deutsche Bank estimates, company data					

DB EPS is fully diluted and excludes non-recurring items

Date 27 March 2015

Results

Price at 26 Mar 2015 (HKD)	8.35
Price target - 12mth (HKD)	8.94
52-week range (HKD)	11.62 - 7.94
HANG SENG INDEX	24,528

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Key changes			
Price target	8.39 to 8.94	1	6.6%
Sales (FYE)	2,049,187 to 2,097,470	1	2.4%
Op prof margin (FYE)	6.5 to 6.6	1	1.6%
Net profit (FYE)	80,401.6 to 83,463.4	1	3.8%
Source: Douteche Rank			

Price/price relative



Performance (%)	1m	3m	12m
Absolute	-7.4	-3.2	-0.1
HANG SENG INDEX	-1.5	5.0	12.1
Source: Deutsche Bank			

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² Multiples & yld calculations use avg historical prices for past years & spot prices for current & future years.



Model updated:26 N	March	2015
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Running the numbers	
Asia	
China	
Oil & Gas	

PetroChina

Reuters: 0857.HK Bloomberg: 857 HK

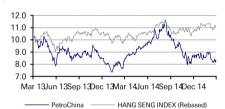
Hold

Hola	
Price (26 Mar 15)	HKD 8.35
Target Price	HKD 8.94
52 Week range	HKD 7.94 - 11.62
Market Cap (m)	HKDm 1,528,225
	USDm 197,068

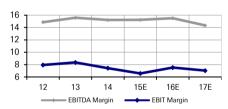
Company Profile

PetroChina Company Limited explores, develops, and produces crude oil and natural gas. The Company also refines, transports, and distributes crude oil and petroleum products, produces and sells chemicals, and transmits, markets and sells natural gas.

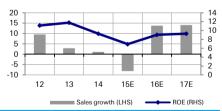
Price Performance



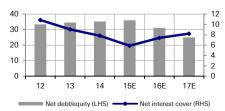
Margin Trends



Growth & Profitability



Solvency



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5	2012	2242	2011	22455	00405	22475
Fiscal year end 31-Dec	2012	2013	2014	2015E	2016E	2017E
Financial Summary						
DB EPS (CNY)	0.63	0.71	0.59	0.46	0.63	0.68
Reported EPS (CNY)	0.63	0.71	0.59	0.46	0.63	0.68
DPS (CNY)	0.28	0.32	0.26	0.21	0.28	0.31
BVPS (CNY)	5.8	6.2	6.4	6.8	7.1	7.5
Weighted average shares (m)	183,021	183,021	183,021	183,021	183,021	183,021
Average market cap (CNYm)	1,563,509	1,370,261	1,332,926	1,224,730	1,224,730	1,224,730
Enterprise value (CNYm)	1,995,311	1,829,141	1,821,274	1,749,791	1,708,261	1,639,450
Valuation Metrics						
P/E (DB) (x)	13.6	10.6	12.4	14.7	10.7	9.9
P/E (Reported) (x)	13.6	10.6	12.4	14.7	10.7	9.9
P/BV (x)	1.53	1.09	1.06	0.99	0.94	0.89
FCF Yield (%)	nm	1.1	1.0	1.1	7.3	9.8
Dividend Yield (%)	3.3	4.3	3.6	3.1	4.2	4.6
EV/Sales (x)	0.9	0.8	0.8	0.8	0.7	0.6
EV/EBITDA (x)	6.1	5.2	5.2	5.5	4.6	4.2
EV/EBIT (x)	11.4	9.7	10.7	12.7	9.5	8.6
Income Statement (CNYm)						
Sales revenue	2,195,296	2,258,124	2,282,962	2,097,470	2,385,959	2,720,692
Gross profit	654,099	651,597	653,851	570,608	629,477	661,455
EBITDA	326,494	352,007	347,296	319,819	370,003	390,218
Depreciation	151,975	163,365	177,463	181,845	190,314	198,865
Amortisation	0	0	0	0	0	0
EBIT	174,519	188,642	169,833	137,973	179,690	191,353
Net interest income(expense)	-16,101	-20,859	-21,723	-23,452	-24,262	-23,317
Associates/affiliates Exceptionals/extraordinaries	8,262	10,228	10,962 0	10,962	10,962	10,962 0
Other pre-tax income/(expense)	0 131	0 52	-2,313	0 52	0 52	52
Profit before tax	166,811	178,063	156,759	125,535	166,442	179,050
Income tax expense	36,191	35,789	37,731	30,216	40,062	43,096
Minorities	15,280	12,675	11,856	11,856	11,856	11,856
Other post-tax income/(expense)	0	0	0	0	0	0
Net profit	115,340	129,599	107,172	83,463	114,524	124,098
DB adjustments (including dilution)	0	0	0	0	0	0
DB Net profit	115,340	129,599	107,172	83,463	114,524	124,098
Cash Flow (CNYm)						
Cash flow from operations	256,015	334,038	309,317	279,075	339,403	369,670
Net Capex	-324,249	-318,696	-295,622	-265,473	-250,000	-250,000
Free cash flow	-68,234	15,342	13,695	13,601	89,403	119,670
Equity raised/(bought back)	0	0	0	0	0	0
Dividends paid	-49,420	-55,529	-45,920	-35,761	-49,070	-53,172
Net inc/(dec) in borrowings	126,648	50,608	43,800	50,000	0	0
Other investing/financing cash flows	1,989	-6,080 4,341	10,796 22,371	-13,658	2,091 42,424	3,207
Net cash flow Change in working capital	10,983 - <i>48,237</i>	20,612	19,995	14,18 <u>2</u> 1,910	22,709	69,705 <i>34,851</i>
	40,207	20,012	70,000	1,010	22,700	04,007
Balance Sheet (CNYm)						
Cash and other liquid assets	49,915	57,249	76,021	90,202	132,626	202,331
Tangible fixed assets	1,571,007	1,648,823	1,747,691	1,831,319	1,891,006	1,942,140
Goodwill/intangible assets Associates/investments	104,634 80,042	145,634 116,700	149,527 116,947	149,527 127,909	149,527 138,871	149,527 149,833
Other assets	368,087	373,703	315,287	279,246	313,876	354,242
Total assets	2,173,685	2,342,109	2,405,473	2,478,204	2,625,906	2,798,074
Interest bearing debt	445,021	495,629	539,429	589,429	589,429	589,429
Other liabilities	543,127	576,546	548,263	499,195	568,937	657,915
Total liabilities	988,148	1,072,175	1,087,692	1,088,624	1,158,366	1,247,344
Shareholders' equity	1,068,799	1,132,734	1,175,894	1,235,618	1,301,072	1,371,998
Minorities	116,738	137,200	141,887	153,743	165,599	177,455
Total shareholders' equity	1,185,537	1,269,934	1,317,781	1,389,361	1,466,671	1,549,453
Net debt	395,106	438,380	463,408	499,227	456,803	387,098
Key Company Metrics						
Sales growth (%)	9.6	2.9	1.1	-8.1	13.8	14.0
DB EPS growth (%)	-13.3	12.4	-17.3	-22.1	37.2	8.4
EBITDA Margin (%)	14.9	15.6	15.2	15.2	15.5	14.3
EBIT Margin (%)	7.9	8.4	7.4	6.6	7.5	7.0
Payout ratio (%)	45.0 11.1	45.0	45.0	45.0	45.0	45.0
ROE (%)	11.1	11.8	9.3	6.9	9.0	9.3

Source: Company data, Deutsche Bank estimates

Capex/sales (%)

Capex/depreciation (x)

Net debt/equity (%)

9.2 1.3

12.9 1.7

12.7

10.5

1.3

14.8

33.3

10.8

14.1

2.0



Various and sundry

The E&P business in particular

China, including PetroChina prices its oil on a 1-month lag to the international markets. The average Brent oil price Sept-Nov 2014 (US\$ 87.9/ bbl) fell -17.6% relative to the average Brent price June-August (US\$ 106.9/ bbl). PTR's E&P operating income fell -6.4% (4Q14 / 3Q14) to Rmb 40.9bn from 43.7bn. Management suggested that the work they had done in 2013 on two heavy oil fields had lead to significant improvements in profitability on the fields. In addition, management suggested that by changing around PTR's incentive program for both workers and management that more attention was now being paid to profitability (and returns) throughout the organization.

This is all very commendable and we wrote about PTR's new focus on profitability in our note dated 06-October 2014, "On the road with PetroChina". However, efficiency gains address an improving operating margin and maybe why PTR's operating income fell only -6.4% Q/y (4Q14/3Q14) but it does not explain why Q/q revenues fell only -3.3% on the back of a -17.6% drop in the (adjusted) Brent price and a crude oil production growth rate 4Q/ 3Q14 of +4.5%. According to PTR's YE14 Results announcement filed with the HK Stock Exchange, PTR "Average Realized Sales Price" (ASP) fell only -13.1% Y/y 2014 / 2013. Looking at PTR's ASP as presented in its YE14 Presentation, PTR notes that the company's ASP for crude oil in 2014 was US\$ 94.83/ bbl. Comparing this to the average (adjusted) Brent price (Nov13/ Nov 14) of US\$ 102.8/ bbl we note a PTR ASP (US\$ 94.8/ bbl) discount to the adjusted price of Brent equal to 7%. PTR's longer term ASP discount to Brent has been 8.0-8.5% traditionally. A penny here; a penny there, but we are still having problems fully explaining the meager -3.3% drop in PTR E&P revenues 4Q14/ 3Q14. We recall the times in 2007-2009, when PTR periodically changed its ASP marker in order to minimize its Windfall Profit Tax (WPT) liability. Now that the decline in oil price, as well as government policy, has done away with the WPT, why not maximize the ASP.

We suspect that PTR may be playing around with its ASP benchmark now that it no longer needs to pay a WPT in China. This could very well persist over the coming years. It may also explain the horrible 4Q14 result in the marketing business (Rmb -5.1bn loss). This was the first time, we have seen a Marketing division loss at PTR. If PTR's ASP remains high, this would also suggest to us a low Marketing and / or Refining result over the coming years, as well - things to think about when forecasting 2015 and beyond.

On the refining side, PTR reported a full year 2014 Operating Income loss of Rmb -7.1bn and a 4Q14 loss of Rmb -9.7bn. How to think about the 4Q14 and what are the implications for our 2015 estimates? The average price of Brent oil fell US\$ 26/ bbl in 4Q14 relative to 3Q14. This suggests that for every US\$ 1/ bbl decline in the average price of Brent PTR books Rmb -373 mln in refining losses. This compares to Sinopec's average refining loss per US\$1 fall in the price of oil of Rmb -500/ mln, which we find interesting given Sinopec has the better refining assets. Maybe Sinopec was cleaning house 4Q14? Maybe there were some 4Q trading looses at Sinopec relative to PetroChina?

Now how does that work?

Getting warmer

Bingo – but it hurts the downstream margins

Trading losses at Sinopec?



Looking at the average Brent price for 1Q15 (US\$ 53/ bbl) and comparing it to the average Brent price 4Q14 (US\$ 76/ bbl), we can estimate a 1Q15 refining loss for PTR of something like Rmb 8.57bn. And scanning back to 1H14, when oil prices were not so volatile, we see that PTR was made close to Rmb 2.2bn/ quarter in refining Operating Income. You can do the math – and then take a peek at our PTR quarterly segment forecasts for 2015-16 (Figure 2)

Refining losses for 1Q15?

Finally, we have tried to trim back our Gas & Pipeline expectations. We are aware of the lag in the pricing of the JCC (1-month) and we are also aware of the lag in the way China prices its oil in general – with a 1-month lag to international oil prices. And then we suspect that the contract PTR has signed with Central Asian countries for the purchase of gas, may have additional delays in the adjustment process – just because. Anyway, we have delayed the downward cost adjustment to the Turkmenistan gas imports by six months, which serves only to take gas profits out of 2015e and pushes them back into 2016 and 17e. It does not impact our DCF, but it did moderate our 2015 estimates and added to our 2016-17 estimates.

Turning around the losses – Rmb -35bn in 2014. It's a big number

The Gas and Pipeline business at PTR remains an enigma for most – including many inside of PTR. We have asked frequently for disclosure on the gas purchase contracts with Central Asia suppliers, and we have been denied the information just as many times. We use Wood Mac to help guide us on contract prices, but we suspect they do not have the full picture either. And then there is the NDRC and where to with China domestic natural gas prices.

After all these years, its still an enigma.

The question was again asked this evening in the analyst meeting: where to with China's natural gas price? The answer was just as ambiguous as years before. We believe the problem here is quite simple: PTR cannot answer this question because neither can the NDRC, at this point in time. We suspect that the NDRC would like to rid itself of the gas price setting mechanism and that at some point in the not-to-distant future, the NDRC will indeed roll-out a national formula linking the price of domestic natural gas to ... maybe, even Fuel Oil (60%) and LPG (40%). However, the issue to us (at least) is not IF the government will introduce the Guangdong-Guangxi formula nationwide, but rather where might the NDRC set the "K-factor" adjustment within the formula. Will the K-factor adjustment be left at 0.85x as it is today or might the "arbitrary" K-factor adjustment be reset to 1.2x? There was also a question about the future growth of natural gas demand in China, which similarly was by-passed by PTR's management.

Where to with natural gas prices?

There was a question tonight about PTR's previously announced intention to sell part (the eastern half) of its natural gas and petroleum pipeline systems. The answer was cryptic, but we think we may have caught it. Some of the more interesting, translated, catch phrases were: i) "not to follow suit", and ii) "in line with maximizing company profitability", and iii) "west and east, will take different routs". This is what we find so fascinating about China – it is a big puzzle. Actually, we suspect that PTR cannot say what it wants to say about the government's SOE reform plans. "Cryptic" is better than disagreeing with the government on what is best for the SOEs. In our opinion, do not hold your breath for any Sinopec-like, SOE restructuring at PetroChina.

Pipeline sale 2015- we don't think so -

PTR's guidance for 2015: 1) oil production growth -1.6%; 2) gas production growth +6.1% (this is a step back from earlier guidance of 6-8% pa; 3) BOE production growth of 1%; 4) Capex -8.8% 2015 on 2014; and 5) reserve replacement ratio > 0.7 (which is a step back from historical 1x)

2015 guidance



Valuation and riske

We value PTR from a DCF model (Figure 1). Our WACC is 7.6% consisting of a cost of equity (CoE) of 9.5%, an after tax cost of debt (CoD) of 2.9% and a 29.5% debt-to-capital ratio. We use a DB standard China risk free rate (Rfr) of 3.9% and an equity risk premium (ErP) of 5.6%. Our TG rate of 1.5% reflects our opinion of PTR's LT sustainable BOE production growth. We have lowered out PTR terminal growth forecast to 1.5% from 2% in order to reflect a slowdown in PTR's long-term BOE production growth. PTR's guidance on LT production growth was reduced Aug-2014 to 0.5-1.0% pa for oil and 6-8% pa for natural gas. Previous guidance was 1.5-2.0% pa oil and 10-12% growth pa for domestic gas.

Looking at PTR's current PE valuations relative to global peers (Figure 2) we show PTR trading at 14.7x our 2015e earnings vs. 21.7x for a subset of global peers. PTR is trading cheap relative to global peers. Notwithstanding, PTR's average 5-year forward PE multiple is 12.2x relative to its current 2015, 14.7x PE valuation. On this PE metric, PTR valuations look a bit rich. Looking at PTR's current 2015e PE (14.7x) relative to Asian peers (13.1x), PTR looks fairly valued. We suspect PTR is trading spot on target to where it should be valued given all the information we have at hand.

The principal risks to our Hold rating on PTR include: 1) higher / lower than anticipated oil prices; 2) higher / lower than anticipated natural gas prices; 3) a sudden and dramatic decline in production rates at PTR's Daqing oil field; and 4) any unanticipated and material change for the better / worse to China's oil and gas fiscal terms.



Figure 1: PetroChina – DCF model

	RMB = US\$1 HK\$ = US\$1		6.20 7.79	6.25 7.79	6.25 7.79	6.25 7.79	6.25 7.79	6.25 7.79	6.25 7.79	
	PetroChina DCF - RMB mm		2015E	2016E	2017E	2018E	2019E	2020E	Terminal 2021E	
	Operating Income		137,973	179,690	191,353	213,788	213,993	215,092	214,049	
	Depreciation		181,845	190,314	198,865	207,651	216,614	225,736	235,168	
	Other		0	0	0	0	0	0	0	
	Income Tax	-25%	(34,562)	(45,012)	(47,934)	(53,554)	(53,605)	(53,881)	(53,619)	
	(Capex)		(265,473)	(250,000)	(250,000)	(250,000)	(250,000)	(250,000)	(250,000)	
	(Decrease) / Increase WC		1,910	22,709	34,851	18,760	19,467	20,825	0	
	Free CF		21,693	97,701	127,135	136,645	146,469	157,773	145,598	
	Fiscal Credits Free CF (ex Tax)		21,693	97,701	127,135	136,645	146,469	157,773	145,598	
	, ,		21,093	97,701	121,133	130,043	140,409	151,113		_
	Terminal Growth								1.5%	Ter
		6.0%	20,465	86,953	106,745	108,236	109,450	111,224	2,128,153	As 79
		7.0%	20,403	85,335	100,743	104,246	104,430	105,131	1,633,714	75
	•	7.6%	20,168	84,448	102,166	102,089	101,736		1,430,486	73
		9.0%	19,902	82,233	98,172	96,803	95,194	94,075	1,054,928	68
		10.0%	19,721	80,744	95,519	93,331	90,945	89,059	873,857	65
		11.0%	19,543	79,296	92,960	90,012	86,922	84.352	734.330	61
		12.0%	19,369	77,886	90,492	86,841	83,110	79,933	624,276	58
		13.0%	19,197	76,514	88,111	83,807	79,497	75,781	535,827	55
		14.0%	19,029	75,177	85,813	80,905	76,071	71,879	463,637	53
		15.0%	18,863	73,876	83,593	78.127	72.821	68.210	403,953	50
		16.0%	18,701	72,607	81,450	75,468	69,736	64,757	354,068	48
						Net	Shrs			
			Total PV	Net Debt	Minorities	Pres. Value	Outst	NPV / Shr	WACC	
			2,671,226	486,400	153,743	2,031,083	183,021	11.10	6.0%	
Yr Beta x HSI	100.0%		2,156,910	486,400	153,743	1,516,767	183,021	8.29	7.0%	
If Rate China Local	3.90%		1,942,978	486,400	153,743	1,302,835	183,021	7.12	7.6%	
quity. Premium	5.60%		1,541,306	486,400	153,743	901,164	183,021	4.92	9.0%	
ountry Risk Premium	0.00%		1,343,175	486,400	153,743	703,033	183,021	3.84	10.0%	
•	9.50%		1,187,415	486,400	153,743	547,273	183,021	2.99	11.0%	
ost Equity						421,764	183,021	2.30	12.0%	
	3.90%		1,061,907	486,400	153,743				13.0%	
ost Debt	•		1,061,907 958,734	486,400 486,400	153,743 153,743	318,592	183,021	1.74		
Cost Debt Debt Risk Premium	3.90%			486,400 486,400	153,743 153,743	318,592 232.368	183,021	1.74	14.0%	
Cost Debt Debt Risk Premium After Tax Cost Debt	3.90% 0.00% 2.9% 29.5%		958,734 872,511 799,443	486,400 486,400 486,400	153,743 153,743 153,743	318,592 [*] 232,368 [*] 159,301 [*]	183,021 183,021	1.27 0.87	14.0% 15.0%	
Cost Debt Debt Risk Premium After Tax Cost Debt Debt / Capital	3.90% 0.00% 2.9%		958,734 872,511	486,400 486,400	153,743 153,743	318,592 232.368	183,021	1.27	14.0%	
Cost Debt Debt Risk Premium After Tax Cost Debt Debt / Capital Avg. Cost Capital	3.90% 0.00% 2.9% 29.5%		958,734 872,511 799,443 736,786	486,400	153,743 F 153,743 F 153,743 F 153,743 F	318,592 232,368 159,301 96,644	183,021 183,021 183,021 1	1.27 0.87 0.53	14.0% 15.0% 16.0%	
cost Debt Debt Risk Premium After Tax Cost Debt Debt / Capital Log. Cost Capital	3.90% 0.00% 2.9% 29.5% 7.6%		958,734 872,511 799,443 736,786	486,400 486,400 486,400 2016E	153,743 153,743 153,743 153,743	318,592 232,368 159,301 96,644 2018E	183,021 183,021 183,021 2019E	1.27 0.87 0.53	14.0% 15.0% 16.0%	
Cost Debt Jebt Risk Premium Jifer Tax Cost Debt Jebt / Capital Joyg. Cost Capital LIMB Joyal PV	3.90% 0.00% 2.9% 29.5% 7.6%		958,734 872,511 799,443 736,786	486,400	153,743 F 153,743 F 153,743 F 153,743 F	318,592 232,368 159,301 96,644	183,021 183,021 183,021 1	1.27 0.87 0.53	14.0% 15.0% 16.0%	
cost Debt lebt Risk Premium fiter Tax Cost Debt lebt / Capital lvg. Cost Capital lwg. Cost Capital lwg. Cost Capital lwg. Cost Capital	3.90% 0.00% 2.9% 29.5% 7.6% 1,942,978 486,400		958,734 872,511 799,443 736,786	486,400 486,400 486,400 2016E	153,743 153,743 153,743 153,743	318,592 232,368 159,301 96,644 2018E	183,021 183,021 183,021 2019E	1.27 0.87 0.53	14.0% 15.0% 16.0%	
cost Debt Lebt Risk Premium Kiter Tax Cost Debt Lebt / Capital Lory. Cost Capital	3.90% 0.00% 2.9% 29.5% 7.6% 1,942,978 486,400 153,743		958,734 872,511 799,443 736,786	486,400 486,400 486,400 2016E	153,743 153,743 153,743 153,743	318,592 232,368 159,301 96,644 2018E	183,021 183,021 183,021 2019E	1.27 0.87 0.53	14.0% 15.0% 16.0%	
Cost Debt Jebt Risk Premium After Tax Cost Debt Jebt / Capital Avg. Cost Capital AMB Total PV Jet Debt Jet Minorities JPV Equity	3.90% 0.00% 2.9% 29.5% 7.6% 1,942,978 486,400 153,743 1,302,835		958,734 872,511 799,443 736,786 2015E 20,168	486,400 486,40	153,743 153,743 153,743 153,743 153,743 102,166 102,166 105	318,592 7 232,368 7 159,301 96,644 7 2018E 7 102,089	183,021 183,021 183,021 2019E	1.27 0.87 0.53	14.0% 15.0% 16.0%	
Cost Debt Debt Risk Premium After Tax Cost Debt Debt / Capital Avg. Cost Capital RMB Fotal PV Net Debt Net Minorities NPV Equity Shrs Outs	3.90% 0.00% 2.9% 29.5% 7.6% 1,942,978 486,400 153,743 1,302,835 183,021		958,734 872,511 799,443 736,786 2015E 20,168	486,400	153,743 153,743 153,743 153,743 153,743 153,743 153,743 1752,166 1	318,592 7 232,368 7 159,301 96,644 7 2018E 7 102,089 7	183,021 183,021 183,021 2019E	1.27 0.87 0.53	14.0% 15.0% 16.0%	
Cost Equity Cost Debt Debt Risk Premium After Tax Cost Debt Debt / Capital Avg. Cost Capital RMB Total PV Net Debt Net Minorities NPV Equity Shrs Outs NPV / Share (Rmb) WACC	3.90% 0.00% 2.9% 29.5% 7.6% 1,942,978 486,400 153,743 1,302,835		958,734 872,511 799,443 736,786 2015E 20,168	486,400 486,40	153,743 153,743 153,743 153,743 153,743 102,166 102,166 105	318,592 7 232,368 7 159,301 96,644 7 2018E 7 102,089	183,021 183,021 183,021 2019E	1.27 0.87 0.53	14.0% 15.0% 16.0%	

Source: Deutsche Bank

Figure 2: PetroChina – quarterly estimates of operating income by business segment

TROCHINA mb mlns)	2014 1Q	2Q	3Q	4Q	2014	2015 1Qe	2Qe	3Qe	4Qe	2015e	_	2016e 1Qe	2Qe	3Qe	4Qe	
≧P	52,710	49,528	43,716	40,943	186,897	27,615	28,766	28,766	29,916	115,062		32,813	32,813	32,813	32,813	
· 1H/2H		102,238		84,659			56,380		58,682				65,626		65,626	
Refining	1,959	2,396	(1,788)	(9,722)	(7,155)	(8,579)	2,300	2,400	2,529	(1,350)		2,616	2,616	2,616	2,616	
- 1H/2H		4,355		(11,510)			(6,279)		4,929				5,232		5,232	
Chemicals	(4,176)	(3,614)	(3,532)	(5,083)	(16,405)	(2,717)	(2,717)	(2,717)	(5,434)	(13,586)		(2,591)	(2,591)	(2,591)	(2,591)	
- 1H/2H		(7,790)		(8,615)			(5,434)		(8,152)				(5,181)		(5,181)	
Marketing	3,324	4,822	2,421	(5,146)	5,421	1,489	1,489	1,489	1,489	5,958		1,579	1,579	1,579	1,579	
- 1H/2H		8,146		(2,725)			2,979		2,979				3,157		3,157	
Gas Pipeline	1,392	2,691	5,151	3,892	13,126	4,500	12,287	12,287	14,808	43,882		13,453	13,453	13,453	13,453	
- 1H/2H		4,083		9,043			16,787		27,095				26,906		26,906	
Others - (Corp Overhead)	(3,013)	(3,013)	(3,013)	(3,013)	(12,051)	(3,013)	(3,013	(3,013)	(3,013)	(12,051)		(3,013)	(3,013)	(3,013)	(3,013)	
- Qtly Op Income	52,196	52,810	42,955	21,872	169,833	19,295	39,112	39,212	40,296	137,915		44,857	44,857	44,857	44,857	
		. ,	,										,	,		
DB Brent forecasts (US\$ / bbl)	107.9	109.8	102.2	76.1	99.0	54	57.5	60	62.5	58.5		65	68	72	<i>7</i> 5	

Source: Company specific data; Deutsche Bank



Deutsche Bank AG/Hong Kong

Figure 3: PetroChina – traditional valuations relative to global peers

Priced on	27-Mar-15				Duine		Mir Orn	P/E (()	EV/EBITE	PA (x)	P/BV (x)	RoE ^c	%	Net Debt / Equity
Company	Ticker	Fx	Price	Rating	Price Target	% to TP	Mkt. Cap US\$bn	14F	15F	14F	15F	14F	15F	14F	15F	2015F
Integrated Global :	_															
ExxonMobil	XOM.N	USD	84.9	Hold	91	7.2	353.6	12.0	24.5	7.0	10.0	2.1	2.0	18.7	8.2	15.3
Occidental Petroleum	OXY.N	USD	73.7	Hold	81	9.9	56.9	12.6	48.4	4.4	9.8	1.2	1.2	1.3	2.6	8.2
Chevron	CVX.N	USD	105.7	Buy	120	13.6	198.2	11.5	29.5	5.3	8.4	1.3	1.3	12.7	4.4	17.2
Royal Dutch Shell plc	RDSa.L	GBP	2,069	Hold	2,425	17.2	198.2	10.5	16.2	4.4	3.9	1.2	1.1	8.5	7.1	21.4
BP	BP.L	GBP	446.1	Buy	470	5.4	120.8	11.9	20.3	3.9	3.4	1.1	1.1	6.7	6.7	20.7
ENI	ENI.MI	EUR	16.0	Hold	16	0.1	63.2	17.4	25.5	4.2	4.5	0.9	1.0	4.0	3.8	37.1
Total SA	TOTF.PA	EUR	46.6	Buy	48	3.0	120.9	11.3	14.7	7.7	5.5	1.4	1.5	4.5	12.0	38.2
Repsol	REP.MC	EUR	17.5	Hold	20	14.6	26.1	14.5	21.7	12.4	8.4	0.8	0.9	3.7	4.0	17.0
Statoil	STL.OL	NOK	142.9	Hold	135	(5.5)	57.6	14.9	18.1	2.6	3.1	1.1	1.2	6.0	6.6	47.9
ONGC	ONGC.BO	INR	302.4	Buy	412	36.2	57.2	9.5	8.8	4.6	3.8	1.4	1.3	13.7	14.9	(3.3)
PTT	PTT.BK	THB	326.0	Hold	350	7.4	28.6	18.8	10.6	5.5	4.6	1.3	1.3	7.1	12.3	28.2
PetroChina	0857.HK	HKD	8.4	Hold	8.39	0.5	335.4	12.4	14.7	5.2	5.5	1.1	1.0	9.3	6.9	36.2
Sinopec	0386.HK	HKD	6.1	Hold	5.87	(3.0)	119.0	13.6	19.8	5.9	6.0	1.0	1.0	8.0	4.9	53.6
Mean								13.2	21.7	5.6	5.9	1.2	1.3	7.9	7.5	22.5
Median								12.0	20.3	4.6	4.6	1.2	1.2	6.7	6.7	20.7
Europe Mean								13.4	19.4	5.9	4.8	1.1	1.1	5.6	6.7	30.4
N. America Mean								12.0	34.2	5.6	9.4	1.5	1.5	10.9	5.1	13.6
Asia Mean								14.0	13.1	5.3	4.8	1.2	1.2	9.6	10.7	12.5

Source: Deutsche Bank



27 March 2015 Oil & Gas PetroChina

27 March 2015 Oil & Gas PetroChina





Appendix 1

Important Disclosures

Additional information available upon request

Disclosure checklist			
Company	Ticker	Recent price*	Disclosure
PetroChina	0857.HK	8.35 (HKD) 26 Mar 15	1,7,14,17

^{*}Prices are current as of the end of the previous trading session unless otherwise indicated and are sourced from local exchanges via Reuters, Bloomberg and other vendors. Data is sourced from Deutsche Bank and subject companies.

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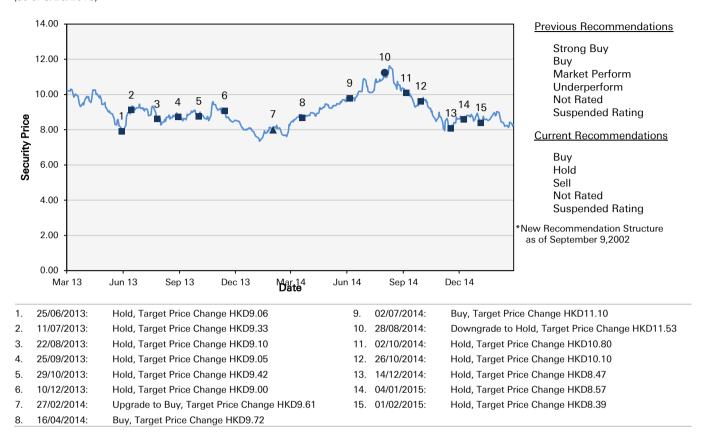
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Historical recommendations and target price: PetroChina (0857.HK) (as of 3/26/2015)



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Notes:

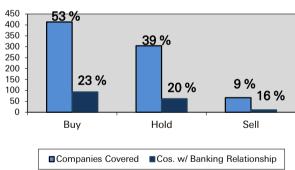
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