Macquarie Research **Equities**





INDIA

Reliance Industries

3 September 2009

RIL IN	(Outperform
Stock price as of 02 Sep 09 12-month target Upside/downside Valuation - Sum of Parts	Rs Rs % Rs	1,971.75 2,350.00 +19.2 2,350.00
GICS sector Market cap 30-day avg turnover Market cap Number shares on issue	Rs bn US\$m US\$m m	energy 3,103 180.0 63,281 1,574

Investment fundamentals

Year end 31 Mar		2009A	2010E	2011E	2012E
Total revenue EBITDA EBITDA growth EBIT EBIT Growth Reported profit Adjusted profit	bn bn % bn % bn	1,492.6 234.3 1.3 183.3 1.0 152.2 155.5	1,639.3 349.2 49.0 266.5 45.4 210.7 210.7	2,145.5 401.3 14.9 314.7 18.1 258.6 258.6	2,291.6 446.1 11.2 355.7 13.0 308.4 308.4
EPS rep	Rs	92.65	128.28	157.41	187.76
EPS adj	Rs	94.65	128.28	157.41	187.76
EPS adj growth	%	0.7	35.5	22.7	19.3
PE adj	x	20.8	15.4	12.5	10.5
Total DPS	Rs	12.60	17.45	21.41	25.54
Total div yield	%	0.6	0.9	1.1	1.3
ROE	%	14.6	16.4	18.3	18.6
EV/EBITDA	x	15.8	10.6	9.2	8.3
Net debt/equity	%	36.5	34.9	18.8	2.1
Price/book	x	2.5	2.5	2.1	1.8

RIL IN rel SENSEX performance, & rec history



Source: FactSet, Macquarie Research, September 2009 (all figures in INR unless noted)

Analyst

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KGD9 drilling starts - Next big thing

Event

According to media reports, RIL has spudded its first well in the KG-D9 block. Exploratory well KG-D9-A1 was spudded on 31 August at a water depth of 2,754 metres. RIL has 90% stake in KG-D9, while Hardy Oil (HDY LN, GBp355, not rated) has a 10% stake. Our discussions with industry experts suggest that KG-D9 could potentially bear more hydrocarbons than KG-D6. We expect the KG-D9 drilling program to confirm the high potential. We reiterate our Outperform rating.

Impact

- Drilling commenced in KG-D9 block. RIL is committed to a four-well drilling programme in the KG-D9 block, which is an 11,605sq km block. RIL will spud the wells in two different stages. RIL has already shot and processed a much higher volume of 4,000sq km of 3D seismic data against commitment of 1,650sq km.
- East coast of India is highly prospective. During our Oil & Gas Next Generation Yatra (Tour), the Director General of Hydrocarbons (DGH) highlighted that the production from KG-D6 block, which will be about one-quarter of Brazil's current production, is only the tip of the iceberg and there is a lot of potential on the east coast. The DGH ascribes a record-breaking 70%+ drilling success potential in KG basin as ultra-modern high-resolution electromagnetic seismic studies show clear hydrocarbon signatures.
- KG-D9 the next big thing. Both Hardy Oil and DGH believe that KG-D9 could be larger than KG-D6 and is likely to be more oil-bearing, and four-way closures suggest higher recovery potential. Recent gas discoveries suggest that the biogenic gas corridor on India's east coast may extend to a much larger area than was earlier expected.
- Industry experts estimate large oil & gas potential. The latest technical report by the industry experts, GCA, further underlines the findings that KG-D9 could be larger than KG-D6 and is likely to be more oil-bearing. GCA estimates the gross risked best estimate prospective resources for KG-D9 at 10.8 TCF of gas and 143m bbl of oil.

Earnings and target price revision

No change.

Price catalyst

- 12-month price target: Rs2,350.00 based on a Sum of Parts methodology.
- Catalyst: New Oil & Gas finds, resolution of court case with RNRL.

Action and recommendation

 Reiterate Outperform. RIL has a large portfolio of highly prospective blocks and its exploratory success rate is the best amongst peers. We estimate RIL's profits to rise 35% in FY10E, purely from volume growth, despite an assumed cyclical downturn.

Please refer to the important disclosures and analyst certification on inside back cover of this document, or on our website www.macquarie.com.au/research/disclosures.

Summary of resource estimates for the KG-D9 block

Fig 1 KG-D9: summary – gross prospective gas resources

Businestall and Community (TCF)		Gross			
Prospects/Leads Summary (TCF)	Play	Low	Best	High	GCoS
Channel 2 (Near #B3)	Lower Pliocene	0.30	0.90	1.80	30%
Channel 1 (Near #B3)	Upper Pliocene	0.20	0.70	1.50	30%
Central Anticline (near #A1)	Upper Miocene	1.40	3.60	7.60	20%
Northern Anticline (NW flank B1)	Upper Miocene	0.80	2.50	5.60	20%
Central Anticline (near #B3)	Upper Miocene	1.00	2.50	5.30	25%
Southern Anticline (SE flank C1)	Upper Miocene	1.10	2.90	6.20	10%
Central Anticline (A1 and B2)	Mid Miocene	1.20	2.80	5.60	25%
Northern Anticline (B1)	Mid Miocene	2.70	5.20	12.00	25%
Central Anticline (A1 and B2)	Mid Miocene	2.90	6.60	12.90	25%
Southern Anticline (C1)	Mid Miocene	1.80	5.20	12.00	15%
Northern Anticline (near #B1)	Lower Miocene	1.80	6.30	15.00	15%
Central Anticline (near #A1)	Lower Miocene	1.50	4.00	8.70	15%
Central Anticline (near #B2)	Lower Miocene	1.30	2.80	5.50	25%
Central Anticline (near #A2)	Lower Miocene	0.80	2.30	4.90	15%
Central Anticline #A1 Channel	Lower Miocene	1.40	4.20	9.20	15%
Central Anticline #A2 Channel	Lower Miocene	0.80	2.30	5.00	15%
Gross Aggregate Risked Prospective Res	ources	4.10	10.80	23.00	
Source: Company data, Macquarie Research	n, September 2009				

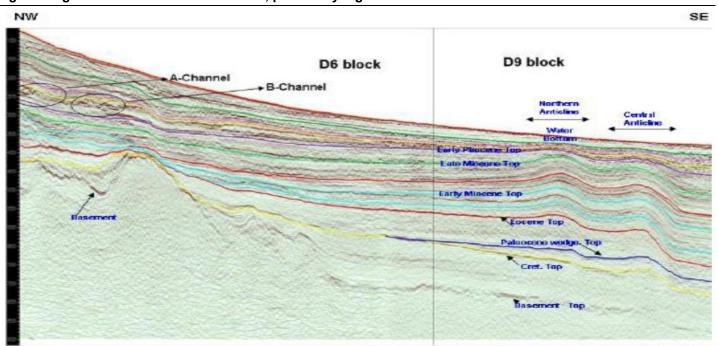
Fig 2 KG-D9: summary – gross prospective oil resources

Dragnasta/Landa Summany (mm hhl)	Gross Prospective Resources					
Prospects/Leads Summary (mn bbl)	Play	Low	Best	High		
Central Anticline (four-way fault closure B2)	Palaeocene	142	420	961		
Wedge	Palaeocene	156	456	1,040		
Central Anticline (A1-B2) - (Hardy Wedge)	Palaeocene	15	47	107		
Central Anticline (Fault Closure B2)	Cretaceous	44	122	260		
Gross Aggregate Risked Prospective Reso	49	143	322			
Source: Company data, Macquarie Research,	September 2009					

Same geological plays extends across the blocks on India's east coast

Recent studies carried out by the upstream exploration companies show that the geological plays present in the KG-D6 block extend through to the large area of the KG basin. RIL's partner in KG-D9, Hardy Oil, believes that KG-D9 could be much larger than KG-D6. These views were reaffirmed by the DGH.

Fig 3 Large anticline structures in KG-D9, potentially higher resources than KG-D6



Source: Company data, Macquarie Research, September 2009

BIOGENIC GAS CORRIDOR

Katinata

KG-DWN-98/3 (D6)

RG-DWN-2001/1

KG-DWN-2001/1

RG-DWN-2001/1

RG-DWN-2001/1

Proven Corridor

Possible Extension

Fig 4 Biogenic gas corridor may potentially extend to cover the entire KG basin

Source: Company data, Macquarie Research, September 2009

Fig. 5, steering Collection (Collection)

CV48-DS

CV48-D

Fig 5 Across Indian east coast, blocks have same geological plays as KG-D6

Source: Company data, Macquarie Research, September 2009

3 September 2009 3

Oil potential in cretaceous sections

The mid-Jurassic rifting in the Indian sub-continent resulted in a thinning of the crust and a cretaceous sag basin developed, containing thick (up to 5–12km) sediments. These basins are widely distributed on both the east and west coasts of India and are likely to contain source rocks in the oil window.

Gas resources have been identified in the Miocene and the mid-Pliocene sections. In addition, the KG-D9 block has a potential oil resource in the cretaceous section. Even in the KG-D6 block, oil was discovered in the cretaceous section; however, preliminary data suggests that the oil-bearing structures in KG-D9 could be larger than in KG-D6.

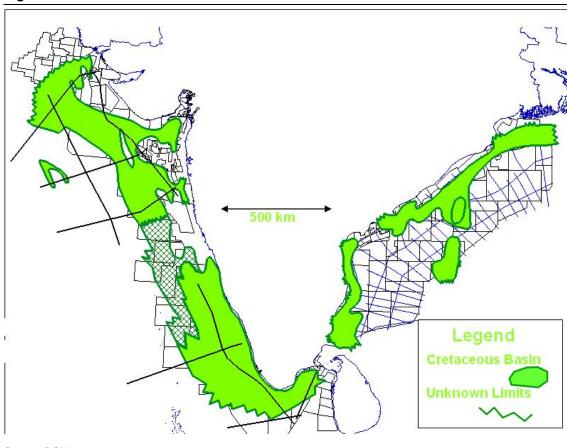


Fig 6 Potential for oil discoveries in the cretaceous sections

Source: DGH

Drilling in KG-D9 block has commenced

The deepwater rig 'Deepwater Expedition', which was drilling exploratory wells in KG-D6 block, has moved to the KG-D9 block. Drilling locations target stacked sands in the Miocene, Oligocene and Pliocene. Two locations were identified for drilling – one in the shallower part and another in the deeper section (~2,700 metre water depth) up to the Cretaceous section.

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Fig 7 KG-D9 prospect map

Source: Company data, Macquarie Research, September 2009

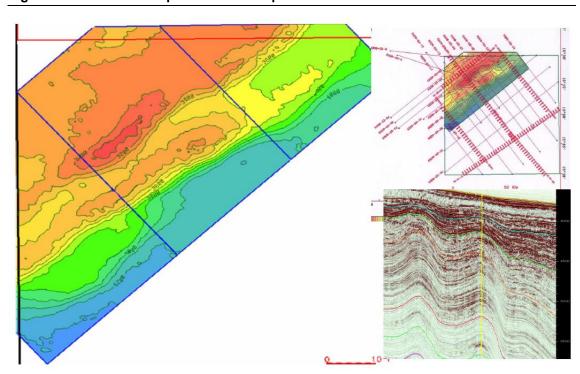


Fig 8 KG-D9 seismic depth structure map

Source: Company data, Macquarie Research, September 2009

eliance Industries (DII IN	Outporform	Target price:	De2 350 00\

Balance Sheet		2009A	2010E	2011E	2012E	Profit & Loss		2009A	2010E	2011E	2012E
Balarioo Grioce		200074	20.02	20112	20122	1 10m & 2000		200074	20102	20112	20122
Cash	m	62,890	120,405	129,751	81,434	Revenue	m	1,492,606	1,639,259	2,145,521	2,291,598
Receivables	m	77,131	79,925	102,232	108,161	Gross Profit	m	345,101	428,317	490,158	537,270
Inventories	m	123,203	113,575	151,274	154,843	Cost of Goods Sold	m	1,147,506	1,210,942	1,655,363	1,754,328
Investments	m	255,636	290,636	325,636	360,636	EBITDA	m	234,347	349,225	401,322	446,107
Fixed Assets	m	1,451,870	1,450,368	1,441,615	1,424,547	Depreciation	m	51,069	82,732	86,652	90,396
Intangibles	m	0	0	0	0	Amortisation of Goodwill	m	0.,000	02,102	0	0
Other Assets	m	155,246	128,128	162,586	166,749	Other Amortisation	m	ő	0	0	0
Total Assets	m	2,125,977	2,183,036	2,313,093	2,296,371	EBIT	m	183,278	266,493	314,670	355,711
Payables	m	196,782	171,479	226,247	230,119	Net Interest Income	m	-17,878	-34,271	-26,551	-14,229
Short Term Debt	m	87,000	87,000	87,000	37,000	Associates	m	-17,070	-54,271	-20,551	0
Long Term Debt	m	440.743	488.629	329,172	82,368	Exceptionals	m	-3,280	0	0	0
Provisions	m	29,926	29,926	29,926	29,926	Forex Gains / Losses		-3,260 0	0	0	0
	m	97,370	103.438	115,505	125,253	Other Pre-Tax Income	m	20,775	22,695	24.092	25.542
Other Liabilities							m				25,542 367.025
Total Liabilities	m	851,821	880,473	787,850	504,665	Pre-Tax Profit	m	182,896	254,918	312,211	
Shareholders' Funds	m	1,274,156	1,302,563	1,525,243	1,791,706	Tax Expense	m	-30,700	-44,199	-53,639	-58,610
Minority Interests	m	0	0	0	0	Net Profit	m	152,196	210,718	258,572	308,415
Other	m	0	0	0	0	Minority Interests	m	0	0	0	0
Total S/H Equity	m	1,274,156		1,525,243							
Total Liab & S/H Funds	m	2,125,977	2,183,036	2,313,093	2,296,371	Reported Earnings	m	152,196	210,718	258,572	308,415
						Adjusted Earnings	m	155,476	210,718	258,572	308,415
						EPS (rep)		92.65	128.28	157.41	187.76
						EPS (adj)		94.65	128.28	157.41	187.76
						EPS Growth (adj)	%	0.7	35.5	22.7	19.3
						PE (rep)	Х	21.3	15.4	12.5	10.5
						PE (adj)	Х	20.8	15.4	12.5	10.5
						. "					
						Total DPS		12.60	17.45	21.41	25.54
						Total Div Yield	%	0.6	0.9	1.1	1.3
						Weighted Average Shares	m	1,643	1,643	1,643	1,643
						Period End Shares	m	1,643	1,643	1,643	1,643
								,	,-	,-	,-
Profit and Loss Ratios		2009A	2010E	2011E	2012E	Cashflow Analysis		2009A	2010E	2011E	2012E
Revenue Growth	%	8.8	9.8	30.9	6.8	EBITDA	m	234,347	349,225	401,322	446,107
EBITDA Growth	%	1.3	49.0	14.9	11.2	Tax Paid	m	-30,700	-44,199	-53,639	-58,610
EBIT Growth	%	1.0	45.4	18.1	13.0	Chgs in Working Cap	m	82,253	6,741	-37,504	-9,784
Gross Profit Margin	%	23.1	26.1	22.8	23.4	Net Interest Paid	m	-17,878	-34,271	-26,551	-14,229
EBITDA Margin	%	15.7	21.3	18.7	19.5	Other	m	6,462	7,977	9,875	9,741
EBIT Margin	%	12.3	16.3	14.7	15.5	Operating Cashflow	m	274,484	285,473	293,503	373,226
Net Profit Margin	%	10.2	12.9	12.1	13.5	Acquisitions	m	-156,574	0	0	0
Payout Ratio	%	13.3	13.6	13.6	13.6	Capex	m	-363,487	-81,229	-77.900	-73,328
EV/EBITDA	X	15.8	10.6	9.2	8.3	Asset Sales	m	0	01,220	0	0,020
EV/EBIT	X	20.2	13.9	11.8	10.4	Other	m	20,775	22.695	24.092	25,542
EV/EBIT	^	20.2	13.9	11.0	10.4						
Balance Sheet Ratios						Investing Cashflow	m	-499,286 -20,699	-58,534 -28,663	-53,808 -35,172	-47,786
	0/	44.0	40.4	40.0	40.0	Dividend (Ordinary)	m				-41,952
ROE	%	14.6	16.4	18.3	18.6	Equity Raised	m	692	0	0	0
ROA	%	9.5	12.4	14.0	15.4	Debt Movements	m	20,782	47,886	-159,457	-296,804
ROIC	%	11.2	12.7	14.8	16.5	Other	m	246,008	-153,648	-720	0
Net Debt/Equity	%	36.5	34.9	18.8	2.1	Financing Cashflow	m	246,784	-134,425	-195,349	-338,756
Interest Cover	х	10.3	7.8	11.9	25.0						
Price/Book	х	2.5	2.5	2.1	1.8	Net Chg in Cash/Debt	m	21,982	92,514	44,346	-13,316
Book Value per Share		775.7	793.0	928.5	1,090.8	_					
						Free Cashflow	m	-89,003	204,244	215,603	299,898

All figures in INR unless noted. Source: Company data, Macquarie Research, September 2009

Important disclosures:

Recommendation definitions

Macquarie - Australia/New Zealand

Outperform – return >5% in excess of benchmark return Neutral – return within 5% of benchmark return Underperform – return >5% below benchmark return

Macquarie - Asia/Europe

Outperform – expected return >+10% Neutral – expected return from -10% to +10% Underperform – expected return <-10%

Macquarie First South - South Africa

Outperform – expected return >+10% Neutral – expected return from -10% to +10% Underperform – expected return <-10%

Macquarie - Canada

Outperform – return >5% in excess of benchmark return
Neutral – return within 5% of benchmark return
Underperform – return >5% below benchmark return

Macquarie - USA

Outperform (Buy) – return >5% in excess of benchmark return (Russell 3000)

Neutral (Hold) – return within 5% of benchmark return (Russell 3000)

Underperform (Sell)– return >5% below benchmark return (Russell 3000)

Recommendations - 12 months

Note: Quant recommendations may differ from Fundamental Analyst recommendations

Volatility index definition*

This is calculated from the volatility of historical price movements.

Very high-highest risk – Stock should be expected to move up or down 60–100% in a year – investors should be aware this stock is highly speculative.

High – stock should be expected to move up or down at least 40–60% in a year – investors should be aware this stock could be speculative.

Medium – stock should be expected to move up or down at least 30–40% in a year.

Low-medium – stock should be expected to move up or down at least 25–30% in a year.

 \boldsymbol{Low} – stock should be expected to move up or down at least 15–25% in a year.

* Applicable to Australian/NZ/Canada stocks only

Financial definitions

All "Adjusted" data items have had the following adjustments made:

Added back: goodwill amortisation, provision for catastrophe reserves, IFRS derivatives & hedging, IFRS impairments & IFRS interest expense Excluded: non recurring items, asset revals, property revals, appraisal value uplift, preference dividends & minority interests

EPS = adjusted net profit / efpowa*

ROA = adjusted ebit / average total assets
ROA Banks/Insurance = adjusted net profit /average
total assets

ROE = adjusted net profit / average shareholders funds Gross cashflow = adjusted net profit + depreciation *equivalent fully paid ordinary weighted average number of shares

All Reported numbers for Australian/NZ listed stocks are modelled under IFRS (International Financial Reporting Standards).

Recommendation proportions - For quarter ending 30 June 2009

	AU/NZ	Asia	RSA	USA	CA	EUR	
Outperform	40.38%	48.53%	40.00%	44.02%	57.42%	40.20%	(for US coverage by MCUSA, 1.54% of stocks covered are corporate advisory clients)
Neutral	39.25%	17.08%	45.00%	37.45%	32.90%	39.21%	(for US coverage by MCUSA, 1.16% of stocks covered are corporate advisory clients)
Underperform	20.38%	34.40%	15.00%	18.53%	9.68%	20.59%	(for US coverage by MCUSA, 0.77% of stocks covered are corporate advisory clients)

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