Seismic reflections



Confidence in Kurdistan grows

Iraq, including the autonomous Kurdistan region, probably has the world's largest concentration of untapped, easily recoverable oil reserves. Pioneering moves were made into Kurdistan in the 2000s by the likes of Gulf Keystone and Hunt Oil, with considerable drill-bit success. In late July, two important Kurdistan exploration and development deals were announced. These involve Afren acquiring interests in two PSCs with sizeable contingent reserves and a Hess-Petroceltic partnership signing two PSCs for exploration purposes. With increasing production and improving relations between the regional and Iraqi federal governments, these deals reflect growing confidence in Kurdistan's potential as a major new petroleum province.

Anatomy of the Kurdistan oil province

Kurdistan is located in the North Arabian basin and is on same fairway as the prolific oilfields of Saudi Arabia's Eastern Province, Kuwait, southern Iraq and Syria. The geological backdrop to Kurdistan tends to be simple and is characterised by large anticlinal structures, deep organic-rich sediments and carbonate reservoirs mainly of Jurassic to Cretaceous age. Drilling commenced in the region in 2006. So far, 28 wells have been drilled, of which 20 have been discoveries, resulting in estimated reserves of over 5.8bn boe. Industry sources point to the potential for another 40-70bn of recoverable reserves, which compares with Iraq's proved reserves of 115bn barrels. Production in Kurdistan commenced in 2009. After running at about 50mbbl/d in 2010, production, according to IEA, climbed to 175mbbl/d in June and is expected to reach 250mbbl/d in July. By 2015 Kurdistan production is forecast to exceed 1mmb/d. Around 40% of Kurdish oil is processed locally with the balance exported through the Kirkuk-Ceyhan pipeline. Presently, there are three major Kurdistan fields: Shaikan (Gulf Keystone), Tawke (DNO) and Taq Taq (Addax/Sinopec). Importantly, Kurdistan development and operating costs are very low internationally at \$2.5-4.0/barrel and \$4.0-5.0/barrel respectively, according to Afren.

Afren's acquistions

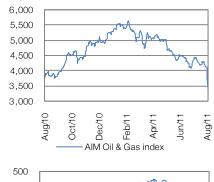
Afren's two PSCs are contiguous and located to the south of GKP's Shaikan block. Contingent 2C resources are put at 890.4mmbbls net with Barda Rash (60% WPI) accounting for 882mmbbls and Ain Sifni (20% non-operated WPI) the balance. Ain Sifni is also assigned mid-case prospective resources of 183.4mmbbls net. Production at Barda Rash is expected to commence in 2012 at about 5mbbl/d net and is planned to reach 75mbbl/d net by 2017. The consideration of \$588m equates to an exceptionally low \$0.66/barrel of 2C resources.



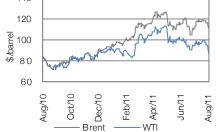
Analysts

lan McLelland +44 (0)20 3077 5756
Peter J Dupont +44 (0)20 3077 5741
Elaine Reynolds +44 (0)20 3077 5700
Krisztina Kovacs +44 (0)20 3077 5700

oilandgas@edisoninvestmentresearch.co.uk







For institutional enquiries please contact:

Andrew Chesny +44 (0)20 3077 5746

Gareth Jones +44 (0)20 3077 5704

institutional@edisoninvestmentresearch.co.uk

Exhibit 1: Best and worst performers

		1 week			
No.	Best performers	% change	No.	Worst performers	% change
1	GREEN DRAGON GAS	10.2%	1	BOWLEVEN PLC	(46.5%)
2	PETRONEFT RESOURCES	9.8%	2	RANGE RESOURCES	(33.9%)
3	RESACA EXPLOITATION INC	1.6%	3	ENEGI OIL	(31.9%)
4	FORTUNE OIL	1.1%	4	DESIRE PETROLEUM	(31.5%)
5	GREAT EASTERN ENERGY CORP	0.6%	5	CHARIOT OIL AND GAS	(31.1%)

		1 month			
No.	Best performers	% change	No.	Worst performers	% change
1	DOMINION PETROLEUM	14%	1	BOWLEVEN PLC	(58.2%)
2	GLOBAL ENERGY DEVELOPMENT	11%	2	KEA PETROLEUM PLC	(53.6%)
3	COASTAL ENERGY COMPANY	10%	3	SOUND OIL	(48.3%)
4	PETRONEFT RESOURCES	9%	4	PETROCELTIC INTERNATIONAL	(41.0%)
5	FRONTERA RESOURCES CORPORATION	9%	5	XCITE ENERGY	(40.5%)

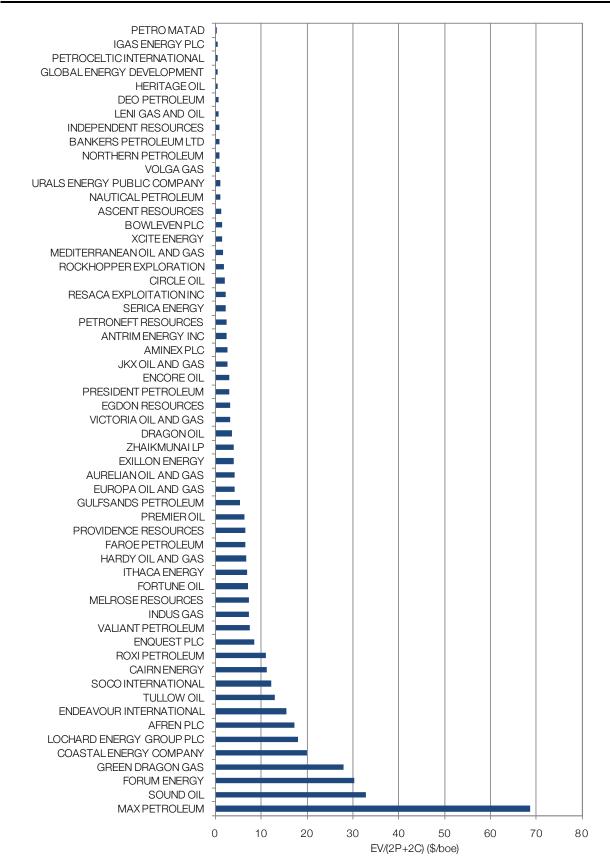
3 months					
No.	Best performers	% change	No.	Worst performers	% change
1	COASTAL ENERGY COMPANY	62.5%	1	SOUND OIL	(60.9%)
2	GLOBAL ENERGY DEVELOPMENT	16.5%	2	XCITE ENERGY	(59.2%)
3	PRESIDENT PETROLEUM	10.7%	3	KEA PETROLEUM PLC	(55.7%)
4	MEDITERRANEAN OIL AND GAS	7.1%	4	PETRO MATAD	(55.1%)
5	DESIRE PETROLEUM	2.0%	5	EUROPA OIL AND GAS	(46.5%)

6 months					
No.	Best performers	% change	No.	Worst performers	% change
1	HARDY OIL AND GAS	42.1%	1	ENCORE OIL	(68.5%)
2	COASTAL ENERGY COMPANY	21.8 %	2	EUROPA OIL AND GAS	(68.2%)
3	RANGE RESOURCES	13.4%	3	DESIRE PETROLEUM	(67.1%)
4	GREAT EASTERN ENERGY CORP	9.6%	4	ASCENT RESOURCES	(66.9%)
5	EXILLON ENERGY	6.3%	5	XCITE ENERGY	(65.5%)

		1 year			
No.	Best performers	% change	No.	Worst performers	% change
1	BPC LIMITED	178 .5%	1	DESIRE PETROLEUM	(87.9%)
2	EXILLON ENERGY	132.4%	2	NIGHTHAWK ENERGY	(82.2%)
3	LOCHARD ENERGY GROUP PLC	107.1%	3	KEA PETROLEUM PLC	(69.1%)
4	GREEN DRAGON GAS	100.9%	4	SERICA ENERGY	(68.3%)
5	CADOGAN PETROLEUM	100.0%	5	FALKLAND OIL AND GAS	(60.0%)

Source: Bloomberg

Exhibit 2: EV/2P + 2C rankings



Source: Bloomberg, company releases, Edison Investment Research

4 Edison Investment Research Seismic reflections 5 August 2011					

EDISON INVESTMENT RESEARCH LIMITED

EUISUN INVESTIBLNT HESEARCH LIMITED Edison Investment Research is a leading investment research company. It has won industry recognition, with awards in both the UK and internationally. The team of more than 75 includes over 40 analysts supported by a department of supervisory analysts, editors and assistants. Edison writes on more than 350 companies across every sector and works directly with corporates, fund managers, investment banks, brokers and other advisers. Edison's research is read by institutional investors, alternative funds and wealth managers in more than 100 countries. Edison, founded in 2003, has offices in London and Sydney and is authorised and regulated by the Financial Services Authority (www.fsa.gov.uk/register/firmBasicDetails.do?sid=181584).

DISCLAIMER

DISCLAIMER
Copyright 2011 Edison Investment Research Limited. All rights reserved. This report has been prepared and issued by Edison Investment Research Limited for publication in the United Kingdom. All information used in the publication of this report has been compiled from publicly available sources that are believed to be reliable, however we do not guarantee the accuracy or completeness of this report. Opinions contained in this report represent those of the research department of Edison Investment Research Limited at the time of publication. The research in this document is intended for professional advisers in the United Kingdom for use in their roles as advisers. It is not intended for retail investors. This is not a solicitation or inducement to buy, sell, subscribe, or underwrite securities or units. This document is provided for information purposes only and should not be construed as an offer or solicitation for investment. A marketing communication under FSA Rules, this document has not been prepared in accordance with the legal requirements designed to promote the independence of investment research and is not subject to any prohibition on dealing ahead of the dissemination of investment research. Edison Investment Research Limited has a restrictive policy relating to personal dealing. Edison Investment Research Limited is authorised and regulated by the Financial Services Authority for the conduct of investment business. The company does not hold any positions in the securities inthis report. However, its directors, officers, employees and contractors may have a position in any or related securities mentioned in this report. Edison Investment Research Limited or its affliates may perform services or solicit business from any of the companies mentioned in this report. The value of securities mentioned in this report can fall as well as rise and are subject to large and sudden swings. In addition it may be difficult or not possible to buy, sell or obtain accurate information about the value of se

Edison Investment Research