NYMEX OIL: US\$81.69 +\$1.13 **December delivery** NYMEX N. Gas: US\$3.32 -\$0.04 per MMBTU November delivery







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ENCANA Q3 RESULTS

East Texas, have hindered the addition of future activities on gas factories. some of the production volumes we had previously forecast in the last half of this year. High demand for hydraulic fracturing

plays. For the longer term, we continue to Encana Corporation has reported strong build the underlying productive capacity of financial and operating results in the third our enormous resource portfolio for future quarter of 2010, despite continued years' growth. Our low-cost assets are downward pressure on natural gas prices. capable of achieving our stated objective -Encana generated third quarter cash flow of doubling production per share over five US\$1.1 billion, or \$1.54 per share, and years from 2009 levels. However, if these operating earnings were \$98 million, or 13 low prices persist, we plan to adjust our cents per share. Encana's commodity price growth rate to align with our capacity to hedges contributed \$211 million in realized generate cash flow," Eresman said. after-tax gains, or 29 cents per share, to Canadian Division capital investment in the cash flow. Total production in the third third quarter was \$529 million, most of which quarter was approximately 3.3 billion cubic was focused on continuing the steady feet of gas equivalent per day (Bcfe/d), growth in production across the division. Third quarter natural gas production per Capital investment in the USA Division was share increased 19 percent compared to \$681 million, mainly focused on the the third quarter of 2009, on a pro forma Haynesville shale, with about \$240 million of basis. "Our company's solid financial and that directed at Encana's land retention operating results once again demonstrate strategy. With the continued strength of oil that Encana's significant inventory of and natural gas liquids (NGLs) prices, natural gas resources is capable of Encana is sharpening its focus on plays that supporting substantial production growth. offer additional value enhancement by Third quarter natural gas production was up increasing oil and NGL production. In the 17 percent year-over-year to 3.2 billion Canadian Division, Encana is also adding cubic feet per day (Bcf/d). Our strong growth liquids extraction equipment, such as in both our Canadian and USA divisions refrigeratio Building on the company's aligns with our long-term strategy of experience in the Piceance, Montney and doubling natural gas production per share Horn River, Encana is advancing its over the next five years. Our hedging industry-leading gas factory development program helps sustain cash flow during approach in the Haynesville shale in periods of lower prices. We maintain a northern Louisiana and East Texas, with strong balance sheet and we remain eight rigs drilling on three gas factory focused on being among the lowest-cost locations. This low-cost manufacturing producers, continually pursuing operational approach helps to lower environmental efficiencies across all of our operations to impact, advance natural gas development help us maximize margins throughout the and optimize efficiencies by enabling the price cycle," said Randy Eresman, drilling of eight and potentially more Encana's President & Chief Executive horizontal wells, each containing multiple Officer. "During this period of continued low hydraulic fractures, from a single pad prices, we remain focused on capital location. Encana's land retention strategy discipline and long-term value creation for has helped the company delineate its every Encana share. We will not pursue enormous resource potential across its growth at any cost. Capacity constraints for 430,000 net acres in the Haynesville shale. completion services, particularly in the USA With lease retention obligations near Division's Haynesville play in Louisiana and completion, Encana expects to focus its

WATER CONCERNS GROW **OVER MEGA PIPELINE**

equipment and services threatens to Nebraskan officials are urging the U.S. State accelerate the modest inflation we have Department to ensure a proposed \$7 billion seen this year. Across our organization we pipeline that plans to send Canadian crude are committed to minimizing or eliminating to refineries along the Gulf of Mexico would operational efficiencies and technology irrigates agriculture in the nation's innovation. As a result, we are developing breadbasket. Calgary-based TransCanada strategies to bring on new fit-for-purpose Corp had hoped to start building the 2,000 completion equipment, patterned after a mile (3,200 km) Keystone XL pipeline next highlysuccessful program that saw our year, which would send crude from the company contract for the construction and country's oil sands. The project could bring supply of fit-for-purpose drilling rigs - 510,000 barrels per day of crude from one of equipment that has improved our drilling America's closest allies to refineries in Texas and cost efficiency. Given these completion and Louisiana reducing the U.S. delays, we now are forecasting a deferral of dependence on oil from Venezuela and the about \$200 million in capital investment Middle East. But environmental concerns on from this year to 2011 and we have trimmed issues such as greenhouse gas emissions our production guidance to 3.315 Bcfe/d, an from producing, refining and burning oil increase of about 12 percent per share from sands, have delayed the project. The 2009," Eresman said. "North America's concern about water contamination follow ongoing oversupply of natural gas recent high-profile pipeline leaks in Illinois production has driven prices for the near and Michigan on Enbridge Inc ducts that term to levels that we believe are deliver Canadian oil. Nebraska's Governor unsustainably low. As such, we are slowing Dave Heineman wrote a letter to U.S. the near-term growth rate of our resource Secretary of State Hillary Clinton that said

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the proposed pipeline route would run 300 miles (480 km) over Nebraska and the Ogallala aquifer. The aquifer, one of the world's largest, spans eight states and yields nearly a third of the country's water used for irrigation. "Nebraskans are concerned that the proposed pipeline route could contaminate the Ogallala Aquifer and I share that concern," Heineman wrote in a letter dated Oct. 11. Nebraska's farm sales in 2008 hit \$17 billion, Heineman, wrote. The cost increases through improved avoid a massive water reservoir that State Department has indicated it may approve a line bringing Canadian oil to the United States for energy security reasons. "We've not yet signed off on it," Clinton said at an event in San Francisco last week. "But we are inclined to do so and we are for several reasons ... we'll either going to be dependent on dirty oil from the (Persian) Gulf or dirty oil from Canada," Clinton said. She said she has to to consider all the energy factors in when it comes to the nation's energy security. Greenhouse gas emission concerns surrounding the oil sands were one of factors that led the U.S. Environmental Protection Agency to request the State Department in July to revise its draft environmental impact statement on the pipeline. The EPA requested the State Department's final impact statement include information concerning pipeline safety and spill response capabilities. The State

Department has the final say on the project and has said it could make the decision by the end of the year. TransCanada spokesman Terry Cunha said the company chose the rural route because it was less exposed to third party bulldozers and other diggers that sometimes cause pipeline leaks, and that there were fewer property owners along the path.

NO MORE MAJOR SHALE **DISCOVERIES IN THE US**

Aubrey McClendon, chairman, CEO, and founder of Chesapeake Energy, one of the first oil and gas producers to develop shale gas properties in the United States, says the "discovery bonanza" in the US is over and that investors shouldn't expect major new shale discoveries. Speaking to a group of investors and industry analysts from Chesapeake's headquarters in Oklahoma City, McClendon said investors shouldn't hold their breath in expectation of major new shale finds "because there won't be any." In added that, by the end of 2011, "It will all be over." In response to questions that Europe, India, China, South Africa, and other global areas have yet to develop their shale reserves, McClendon said that Chesapeake isn't planning any foreign investments. "We aren't going to Poland. We aren't [even] going to Canada," he said. "In terms of spending Chesapeake capital overseas, I don't see it." Instead, the company plans to shift its focus from natural gas to crude oil. McClendon said the company is sitting on about 10 billion to 15 billion barrels of crude oil reserves, which he says will eventually change the valuation of the company. Michael Lynch, a consultant with Gerson Lehrman Group, says that McClendon's assessment is grim news for the natural gas industry. "For about a year now, there has been a steady drumbeat of natural gas company announcements of their shift in focus from gas to crude oil," says Lynch. "But the reason for this crude oil pursuit has not been that no more shale gas plays existed. The reason is steadily declining gas prices from about \$5 million/Btu to \$3.60 today." Lynch added that while some plays (Woodford and Fayetteville, for instance) are mature and some new wells are marginal, there are others that are in the early stages of development. "The Marcellus is big and barely developed," he says. "It will continue to grow for several years yet. The Haynesville, too, has several years to run, as does the Eagle Ford. But Eagle Ford operators are shifting to the northern oil rim and the middle rim 'condensate window." Lynch adds, "Given the high decline rates for all shale gas wells and the steady price pressure from an overwhelming volume of available LNG, the shale gas era in the US 2020.

DEEP-WATER DRILLING SLOWS

A week after a temporary ban was lifted on deep-water drilling in the Gulf of Mexico, major oil companies say they are moving quickly to get back to work but finding a far more complex process for obtaining federal permits than before the BP oil spill. There are new safety and environmental regulations, some confusion over how to interpret them, and uncertainty about offshore rules that still may be in the offing. The situation suggests that while the deepwater drilling moratorium may be officially over, industry could still face permitting delays and other setbacks as it readies to resume work in the lucrative offshore region. "It's anxious times in industry," said Gary Luquette, president of Chevron Corp.'s North American exploration and production business, "but I think there's a little bit more optimism today than last week." In coming weeks, Chevron will be among the first oil companies to submit post-spill applications with the Interior Department to drill in the deep-water Gulf. That first batch of applications will be a closely watched indicator of how quickly drilling could resume in the deep water, as well as an important test of a new regulatory regime established in the wake of the Gulf disaster. Among the new requirements operators must now satisfy before receiving a deep-water drilling permit: chief executives of Gulf of Mexico oil and gas firms must certify that the drilling rigs meet updated safety rules, and companies must prove they have access to enough spillcontainment equipment to respond to a "worst case discharge" of a well. Companies operating in the Gulf's shallow waters — which were unaffected by the moratorium but still subject to new offshore rules - have complained that the "worst case" rule has been nearly impossible to meet, leading regulators to hold up approval



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could taper off beginning in 2012 and end by of drilling permits. Some analysts say deepwater drillers now could face similar delays. "As seen with the issuance of shallow-water permits, we would expect operators to take some time to figure out how to satisfy the new requirements," UBS analyst Angie Sedita wrote in a report to investors last week. Faced with that reality, some industry officials have greeted the end of the deepwater moratorium with caution and a bit of frustration, saying vaguely written rules are as much a hindrance to moving forward as the ban was. "We must have some sense of certainty and clarity in the regulatory process in order to make the long-term, multibillion-dollar investments that our business requires," said James Hackett, CEO of Woodlands-based Anadarko Petroleum Corp., a major independent oil and gas company that operates in the deepwater Gulf. "We must have some sense of certainty and clarity in the regulatory process in order to make the long-term, multibillion-dollar investments that our business requires," said James Hackett, CEO of Woodlands-based Anadarko Petroleum Corp., a major independent oil and gas company that operates in the deepwater Gulf. On May 27, the Interior Department ordered the halt of exploratory drilling on 33 deep-water rigs and banned new permits to drill in water deeper than 500 feet for the next six months. The office said the pause was necessary after the April 20 blowout at BP's Macondo well in mile-deep waters off the Louisiana coast killed 11 rig workers and launched the nation's worst oil spill. But last Tuesday, regulators lifted the ban nearly two months early, saying newly issued rules and regulations would make deep-water drilling safer than before. Prior to the BP accident, the U.S. Minerals Management Service, the Interior Department arm that then oversaw oil and gas activity in federal waters, was criticized for blindly approving drilling permits and being too cozy with industry.



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Energy Management, Regulation and Enforcement that replaced the MMS, said the new agency will be more cautious, but still predicted the first new permits could be approved before the end of the year. On Monday, panelists at a hearing at the South Texas College of Law in Houston expressed lingering frustration over the deep-water drilling ban and its ripple effects. "The moratorium ends when the drilling begins, said Rep. Pete Olson, R-Sugar Land, at the event he organized with Rep. Kevin Brady, R-The Woodlands. Major oil and gas companies with operations in the deepwater Gulf said they are in various stages of complying with new rules and hope to be cleared to resume drilling soon. Chevron, one of the largest leaseholders in the deepwater Gulf, expects to submit a first "test case" drilling permit application within about 10 days, Luquette said. Depending on how that goes, others will likely follow soon thereafter. "If those permit applications are processed anywhere near what time they used to take, we could be back to work in November," he said, though he acknowledges that's probably an optimistic time frame. Forced to delay five deep-water wells during the moratorium, Chevron hopes to make up for lost time in 2011 by packing 18 months' worth of work into 12 months, he said. Shell, another major leaseholder in the Gulf, is also preparing several deep-water drilling permit applications and hopes to resume drilling in the region before the end of the year,



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Anadarko also said it is making plans to resume drilling soon. BP, the largest oil and gas producer in the Gulf and the reason for many of the changes in the basin, declined

Bromwich, head of the Bureau of Ocean spokeswoman Kelly op de Weegh said. For Subscriptions or Ad Information call 1-800-503-4563