UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, DC 20549

FORM 8-K

CURRENT REPORT
Pursuant to Section 13 or 15(d)
of the Securities Exchange Act of 1934

Date of report (Date of earliest event reported): April 23, 2007 (April 23, 2007)

Arch Coal, Inc.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation) 1-13105 (Commission File Number) 43-0921172 (I.R.S. Employer Identification No.)

CityPlace One
One CityPlace Drive, Suite 300
St. Louis, Missouri 63141
(Address, including zip code, of principal executive offices)

Registrant's telephone number, including area code: (314) 994-2700

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- o Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- o Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- o Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 2.02 Results of Operations and Financial Condition.

On April 23, 2007, Arch Coal, Inc. issued a press release containing its first quarter 2007 financial results and providing guidance on its 2007 forecasted results. A copy of the press release is attached hereto as exhibit 99.1.

The information contained in Item 2.02 and the exhibit attached hereto shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to the liabilities of that section, nor shall they be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as shall be expressly set forth by specific reference in such a filing.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

The following exhibit is attached hereto and filed herewith.

Exhibit No.		Description	
99.1	Press release dated April 23, 2007.		
		1	

Signatures

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Dated: April 23, 2007 Arch Coal, Inc.

By: /s/ Robert G. Jones

Robert G. Jones

 $\label{lem:constraint} \mbox{Vice President} \mbox{$-$Law$, General Counsel and Secretary}$

Exhibit Index

Exhibit No.	Description	
99.1	Press release dated April 23, 2007.	



FOR FURTHER INFORMATION:

Deck S. Slone Vice President, Investor Relations and Public Affairs 314/994-2717

FOR IMMEDIATE RELEASE April 23, 2007

Arch Coal, Inc. Reports First Quarter 2007 Results

Arch Coal records solid performance despite weak market conditions

Earnings Highlights

	Quarte	Quarter Ended	
In \$ millions, except per share data	3/31/2007	3/31/2006	
Revenues	\$571.3	\$634.6	
Income from operations	50.9	94.1	
Net income ¹	28.7	60.6	
Fully diluted EPS	\$ 0.20	\$ 0.42	
Adjusted EBITDA ²	\$108.5	\$140.0	

^{1 —}Net income available to common shareholders.

St. Louis — Arch Coal, Inc. (NYSE:ACI) today reported first quarter 2007 net income available to common shareholders of \$28.7 million, or \$0.20 per fully diluted share, compared with \$60.6 million, or \$0.42 per fully diluted share, in the prior-year period. The company earned income from operations of \$50.9 million on revenues of \$571.3 million in the first quarter of 2007. In the first quarter of 2006, Arch recorded income from operations of \$94.1 million on revenues of \$634.6 million.

"Arch Coal achieved solid operating results during the first quarter of 2007 despite current soft conditions in U.S. coal markets," said Steven F. Leer, Arch's chairman and chief executive officer. "We benefited from good performances by our mines and higher average price realizations in our Western operating regions compared with the fourth quarter of 2006, and we expect to build on these results as the year progresses, particularly during the year's second half."

"Market conditions were considerably less favorable in the first quarter of 2007 than in the year-ago period, prompting Arch to reduce production volume targets at the end of last year," added Leer. "Despite these conditions, we are pleased with our operating results. Moreover, we believe Arch is particularly well-positioned to capitalize on improving market fundamentals."

^{2 —}Adjusted EBITDA is defined and reconciled under "Reconciliation of Non-GAAP Measures" at the end of this release.

Arch Achieves a Solid Performance in all Operating Regions

		Arch Coal, Inc.	
	1Q06	4Q06	1Q07
Tons sold (in millions)	29.6	33.9	31.4
Average sales price per ton	\$17.53	\$15.76	\$16.85
Cash cost per ton	\$12.35	\$11.62	\$12.93
Cash margin per ton	\$ 5.18	\$ 4.14	\$ 3.92
Total operating cost per ton	\$13.88	\$13.30	\$14.74
Operating margin per ton	\$ 3.65	\$ 2.46	\$ 2.11

Consolidated results may not correspond to regional breakout due to rounding. Above figures exclude transportation costs billed to customers.

Operating cost per ton includes depreciation, depletion and amortization per ton. Arch acts as an intermediary on certain pass-through transactions that have no effect on company results. These transactions are not reflected in this table.

A supplemental regional schedule for all quarters beginning with FY05 can be found in the investor section of www.archcoal.com.

Consolidated average price realization per ton improved \$1.09 in the first quarter of 2007 compared with the fourth quarter of 2006, while operating cost per ton increased \$1.44 over the same time period. Higher operating cost per ton resulted from Arch's strategic decision to reduce production volume targets, weather-related shipment challenges during the quarter just ended, and higher depreciation, depletion and amortization expense. In the first quarter of 2007, Arch earned operating margin per ton of \$2.11 compared with \$2.46 in the prior-quarter period.

When compared with the first quarter of 2006, average price realization per ton declined \$0.68 reflecting weaker conditions in U.S. coal markets from the year-ago period. Operating cost per ton increased \$0.86, resulting in margin contraction from the year-ago period.

"During the quarter, we were able to overcome weak market conditions and weather-related challenges, while still continuing to create value for our shareholders," said John W. Eaves, Arch's president and chief operating officer. "Going forward, we will remain focused on controlling costs and improving profitability under any market condition."

	Powder River Basin		
	1Q06	4Q06	1Q07
Tons sold (in millions)	22.2	25.3	23.2
Average sales price per ton	\$11.34	\$10.10	\$10.47
Cash cost per ton	\$ 7.46	\$ 7.54	\$ 8.02
Cash margin per ton	\$ 3.88	\$ 2.56	\$ 2.45
Total operating cost per ton	\$ 8.64	\$ 8.69	\$ 9.19
Operating margin per ton	\$ 2.70	\$ 1.41	\$ 1.28

Above figures exclude transportation costs billed to customers.

Operating cost per ton includes depreciation, depletion and amortization per ton.

In the Powder River Basin, average price realization per ton increased \$0.37 in the first quarter of 2007 compared with the fourth quarter of 2006, benefiting from stronger contract pricing. This per-ton price realization increase includes the effect of a larger mix of lower-priced Coal Creek tonnage compared with the prior-quarter period. Operating cost per ton increased

\$0.50 over this same time period due to planned lower volume targets, higher sales-sensitive costs, weather-related shipment challenges and an unplanned belt outage at Arch's Black Thunder operations in January 2007. As a result, this region's operating margin per ton declined to \$1.28 in the first quarter of 2007 compared with \$1.41 in the prior-quarter period.

	Western Bituminous		
	1Q06	4Q06	1Q07
Tons sold (in millions)	4.1	5.4	4.8
Average sales price per ton	\$23.31	\$20.62	\$24.77
Cash cost per ton	\$14.82	\$11.85	\$16.07
Cash margin per ton	\$ 8.49	\$ 8.77	\$ 8.70
Total operating cost per ton	\$17.03	\$14.48	\$19.56
Operating margin per ton	\$ 6.28	\$ 6.14	\$ 5.21

Above figures exclude transportation costs billed to customers.

Operating cost per ton includes depreciation, depletion and amortization per ton.

In the Western Bituminous region, average realized price per ton increased 20 percent in the first quarter of 2007 compared with the fourth quarter of 2006, benefiting from the roll-off of lower-priced legacy sales contracts. Operating costs per ton increased over the same time period, principally due to planned lower volume targets, higher sales-sensitive costs as well as startup costs and higher depreciation expense associated with the installation of a new, state-of-the-art replacement longwall at Arch's Sufco mine in Utah. Additionally, in the fourth quarter of 2006, operating costs benefited from a \$2.20 per ton insurance recovery related to the West Elk combustion event that occurred during the fourth quarter of 2005.

	Central Appalachia		
	1Q06	4Q06	1Q07
Tons sold (in millions)	3.4	3.2	3.4
Average sales price per ton	\$51.34	\$52.28	\$48.87
Cash cost per ton	\$41.56	\$43.33	\$41.64
Cash margin per ton	\$ 9.78	\$ 8.95	\$ 7.23
Total operating cost per ton	\$44.59	\$47.62	\$45.44
Operating margin per ton	\$ 6.75	\$ 4.66	\$ 3.43

Above figures exclude transportation costs billed to customers.

Operating cost per ton includes depreciation, depletion and amortization per ton. Arch acts as an intermediary on certain pass-through transactions that have no effect on company results. These transactions are not reflected in this table. In addition, Arch services several legacy Magnum contracts by purchasing and supplying third-party coal and records offsetting revenue and expenses against a reserve established to account for these transactions.

In the Central Appalachian region, average realized price per ton declined \$3.41 in the first quarter of 2007 compared with the fourth quarter of 2006, principally due to lower market-based pricing on uncommitted and indexed tons as well as lower volumes of metallurgical coal sales compared with the fourth quarter of 2006. Operating costs per ton declined \$2.18 over the same time period, benefiting from strong operating performances by Arch's mines as well as optimization strategies on brokered tons in the current weak market environment.

Arch Believes U.S. Coal Market Fundamentals Are Improving

Arch believes market fundamentals are improving in 2007 as the peak summer demand period approaches.

- Electric generation demand was up 4.6 percent year-to-date through the second week in April, according to the Edison Electric Institute. Additionally, electric output has been more robust in geographic regions that traditionally rely more heavily on coal-fueled generation.
- Coal production has declined 1.8 percent year-to-date through April 14, according to government estimates. Eastern coal production specifically Central Appalachia has declined 10.8 percent, while Western coal production has increased 2.2 percent. On a true energy-equivalent basis specifically, production based on Btus rather than tons total U.S. coal production would be down 2.4 percent.
- A recent court decision in Central Appalachia threatens to further slow the issuance of mining permits, which could accelerate production rationalization in the region. Even before the recent court decision, production in the region was down an estimated 10.8 percent year-to-date, according to the Energy Information Administration, due to reserve depletion, increasing cost pressures and the pull-back in coal prices.
- Global coal prices continue to strengthen due to robust growth in worldwide coal demand, particularly in China, which could become a net importer of coal for the first time ever this year. International coal supply also is expected to tighten in response to infrastructure and transportation challenges at some international ports. As a result, Arch estimates that growth in imported coal into the U.S. may slow meaningfully in 2007, further tightening U.S. coal supply.

Over the longer-term, Arch maintains a bullish outlook on coal markets. The company estimates that nearly 11 gigawatts of new coal-fueled electric generating capacity are currently under construction in the U.S., representing more than 40 million tons of incremental annual coal demand to be phased in over the next five years. Another 10 gigawatts are believed to be in advanced stages of development, translating into approximately 34 million tons of incremental annual coal demand over the same time frame. Between 1997 and 2006, power generators constructed only 4 gigawatts of new coal-fueled capacity.

"The construction of a new generation of coal-fueled power plants represents a transformation of our marketplace," said Leer. "We expect generators to continue to enter into contract discussions for their current and future fuel needs, with such activity increasing steadily as these new plants progress towards their start-up dates."

Additionally, prevailing prices of alternative fuels such as crude oil and natural gas establish a compelling reference price for coal-based energy. Moreover, Congressional support for enhancing domestic energy security is growing, spurring interest in coal-to-liquids and coal-to-gas technologies. The advancement of coal-conversion technologies represents a meaningful positive long-term development for the coal industry.

Arch's Sales Contract Portfolio Remains Relatively Unchanged

Arch continues to take a selective and patient approach to sales contracting in the current market environment. "We expect growth in coal demand and continuing supply pressures in the Appalachian coalfields to exert upward pressure on coal prices in the foreseeable future," Eaves said. "While we continue to evaluate new contract opportunities, we believe our unpriced position is highly advantageous."

Since the last update, Arch has signed selective coal commitments of approximately 5 million tons for 2008 delivery at average prices that significantly exceeded the company's average realized pricing for the first quarter of 2007 in the respective basins in which the coal was committed. At present, Arch has approximately 10 million to 15 million tons of 2007 expected production that has yet to be priced. Additionally, Arch has unpriced volumes of between 70 million and 80 million tons in 2008 and between 110 million and 120 million tons in 2009.

Capital Spending Remains at Reduced Levels

Arch typically invests a relatively high percentage of its total capital budget during the first quarter, and that was again the case in 2007. During the first quarter of 2007, Arch recorded spending on equipment, infrastructure and development of approximately \$80 million. Of the \$80 million, approximately \$32 million relates to the continued development of the Mountain Laurel complex in Central Appalachia and approximately \$20 million represents payments for the new longwall at Arch's Sufco mine in Utah. In addition, Arch recorded spending on reserve additions of approximately \$175 million in the quarter just ended.

For full year 2007, Arch continues to target total capital spending within the previous guidance range of \$240 million to \$280 million, which is exclusive of reserve additions. "Despite a robust long-term outlook for U.S. coal markets, Arch continues to target lower capital spending levels that match our reduced planned production levels in this current soft market environment," said Eaves.

Arch Anticipates Continued Progress in 2007

Arch affirms its guidance for 2007, with fully diluted earnings per share projected to be within the range of \$1.25 to \$2.00, while adjusted EBITDA is expected to be in the \$530 million to \$650 million range. Total sales volume is expected to be between 130 million to 135 million tons, excluding 2 million pass-through tons that Arch currently services from the 2005 sale of select Central Appalachian operations. Arch's actual results will be significantly influenced by market developments over the course of the year, the company's final production levels in 2007, and the pricing Arch achieves on its remaining unpriced tons. As previously indicated, Arch expects the second half of the year to be substantially stronger than the first half.

"We believe that an inflection point may have been reached recently in U.S. coal markets," said Leer. "The return of more normal weather spurred increased coal consumption during the first three months of the year. Additionally, coal production declines in the East, especially Central Appalachia, along with greater permitting uncertainty in that region should lead to further reductions in power generator stockpiles and a more balanced supply and demand position for 2007 and thereafter."

"As such, Arch is sharply focused on managing the business to create long-term value for shareholders," said Leer. "We are committed to making the right decisions in 2007 in order to retain upside potential in the years ahead. Arch's strategy is driven by our strong belief in the long-term fundamentals of U.S. coal markets. The significant level of investment in new coal-fueled generator capacity represents a key avenue for demand growth going forward. Additionally, policies that favor the adoption of coal-conversion technologies to promote America's energy security are gaining traction."

"Going forward, we expect Arch's size, diversified asset portfolio, talented workforce and low-cost operations to enable us to capitalize in a meaningful way on these future growth opportunities," added Leer.

"In fact, coal has been the fastest growing fuel in the world over the past four years, having increased by an estimated 23 percent," continued Leer. "Coal is the most affordable and abundant resource available to meet increased global energy needs. Moreover, we are seeing continuing advances in technologies that promise to make coal a near-zero-emission fuel source in the years ahead. While such technologies won't emerge overnight, we believe these new technologies can help America meet its goal of a secure *and* clean energy future."

A conference call regarding Arch Coal's first quarter 2007 financial results will be webcast live today at 11 a.m. E.D.T. The conference call can be accessed via the "investor" section of the Arch Coal Web site (www.archcoal.com).

St. Louis-based Arch Coal is one of the nation's largest coal producers. The company's core business is providing U.S. power generators with clean-burning, low-sulfur coal for electric generation. Through its national network of mines, Arch supplies the fuel for approximately 6 percent of the electricity generated in the United States.

Forward-Looking Statements: This press release contains "forward-looking statements" — that is, statements related to future, not past, events. In this context, forward-looking statements often address our expected future business and financial performance, and often contain words such as "expects," "anticipates," "intends," "plans," "believes," "seeks," or "will." Forward-looking statements by their nature address matters that are, to different degrees, uncertain. For us, particular uncertainties arise from changes in the demand for our coal by the domestic electric generation industry; from legislation and regulations relating to the Clean Air Act and other environmental initiatives; from operational, geological, permit, labor and weather-related factors; from fluctuations in the amount of cash we generate from operations; from future integration of acquired businesses; and from numerous other matters of national, regional and global scale, including those of a political, economic, business, competitive or regulatory nature. These uncertainties may cause our actual future results to be materially different than those expressed in our forward-looking statements. We do not undertake to update our forward-looking statements, whether as a result of new information, future events or otherwise, except as may be required by law. For a description of some of the risks and uncertainties that may affect our future results, you should see the risk factors described from time to time in the reports we file with the Securities and Exchange Commission.

Arch Coal, Inc. and Subsidiaries Condensed Consolidated Statements of Income (In thousands, except per share data)

	Three Mor	nths Ended th 31,
		idited)
Revenues		
Coal sales	\$571,349	\$634,553
Costs, expenses and other		
Cost of coal sales	449,330	482,950
Depreciation, depletion and amortization	57,620	45,821
Selling, general and administrative expenses	18,987	17,881
Other operating income, net	(5,451)	(6,236)
	520,486	540,416
Income from operations	50,863	94,137
Interest expense, net:		
Interest expense	(17,258)	(16,072)
Interest income	671	1,915
	(16,587)	(14,157)
Other non-operating expense		
Expenses resulting from early debt extinguishment and termination of hedge accounting for interest rate swaps	(774)	(1,658)
Other non-operating income (expense), net	(128)	265
	(902)	(1,393)
Income before income taxes	33,374	78,587
Provision for income taxes	4,650	17,900
Net income	28,724	60,687
Preferred stock dividends	(44)	(63)
Net income available to common shareholders	<u>\$ 28,680</u>	\$ 60,624
Earnings per common share (A)		
Basic earnings per common share	\$ 0.20	\$ 0.43
Diluted earnings per common share	\$ 0.20	\$ 0.42
Weighted average shares outstanding		
Basic	142,176	142,658
Diluted	143,786	144,876
Dividends declared per common share	\$ 0.06	\$ 0.04
	<u> </u>	
Adjusted EBITDA (B)	\$108,483	\$139,958

⁽A) All share and per share information for the three months ended March 31, 2006 reflects the Company's two for one stock split on May 15, 2006.

⁽B) Adjusted EBITDA is defined and reconciled under "Reconciliation of Non-GAAP Measures" later in this release.

Arch Coal, Inc. and Subsidiaries Condensed Consolidated Balance Sheets (In thousands)

	March 31, 2007	December 31, 2006
Assets	(unaudited)	
Current assets		
Cash and cash equivalents	\$ 8,762	\$ 2,523
Trade accounts receivable	202,292	212,185
Other receivables	28,779	48,588
Inventories	140,000	129,826
Prepaid royalties	11,831	6,743
Deferred income taxes	31,831	51,802
Other	32,754	35,610
Total current assets	456,249	487,277
Property, plant and equipment, net	2,452,226	2,243,068
Other assets		
Prepaid royalties	122,564	112,667
Goodwill	40,032	40,032
Deferred income taxes	252,390	263,759
Equity investments	83,804	80,213
Other	90,475	93,798
	589,265	590,469
Total assets	\$3,497,740	\$3,320,814
Liabilities and stockholders' equity		
Current liabilities		
Accounts payable	\$ 173,825	\$ 198,875
Accrued expenses	156,718	190,746
Current portion of debt	259,708	51,185
Total current liabilities	590,251	440,806
Long-term debt	1,109,099	1,122,595
Asset retirement obligations	210,078	205,530
Accrued postretirement benefits other than pension	50,432	49,817
Accrued workers' compensation	44,991	43,655
Other noncurrent liabilities	103,916	92,817
Total liabilities	2,108,767	1,955,220
Stockholders' equity		
Preferred stock	1	2
Common stock	1,430	1,426
Paid-in capital	1,450 1,346,481	1,345,188
Retained earnings	1,346,461 57,307	38,147
Accumulated other comprehensive loss	(16,246)	(19,169
Total stockholders' equity	1,388,973	1,365,594
zona stochatoricio equity	1,500,575	1,000,004
Total liabilities and stockholders' equity	\$3,497,740	\$3,320,814

Arch Coal, Inc. and Subsidiaries Condensed Consolidated Statements of Cash Flows (In thousands)

		nths Ended ch 31,
	2007	2006
Operating activities	(Unai	ıdited)
Net income	\$ 28,724	\$ 60,687
Adjustments to reconcile to cash provided by operating activities:	φ 20,724	\$ 00,007
Depreciation, depletion and amortization	57,620	45,821
Prepaid royalties expensed	4,025	1,776
Net gain on disposition of assets	(151)	(255)
Employee stock-based compensation expense	1,171	3,064
Other non-operating expense	902	1,393
Changes in:	902	1,393
Receivables	29,701	(47,804)
Inventories	(10,174)	(6,098)
	(57,363)	(71,405)
Accounts payable and accrued expenses		
Income taxes	4,249	17,868
Other	24,481	421
	00.40=	= 400
Cash provided by operating activities	83,185	5,468
Investing activities		
Capital expenditures	(254,812)	(263,100)
Proceeds from dispositions of property, plant and equipment	405	255
Additions to prepaid royalties	(19,010)	(18,930)
Purchases of investments/advances to affiliates	(3,881)	(2,955)
Reimbursement of deposits on equipment	13,492	
Cash used in investing activities	(263,806)	(284,730)
Financing activities		
Net borrowings on revolver and lines of credit	199,400	65,000
Payments on long-term debt	(4,031)	(2,992)
Debt financing costs		(476)
Dividends paid	(8,634)	(5,805)
Issuance of common stock under incentive plans	125	3,316
•		
Cash provided by financing activities	186,860	59,043
Caon provided by immening activities	100,000	00,010
Increase (decrease) in cash and cash equivalents	6,239	(220,219)
Cash and cash equivalents, beginning of period	2,523	260,501
Cash and Cash equivalents, beginning of period		200,301
	ф 0.763	ф. 40 DCD
Cash and cash equivalents, end of period	\$ 8,762	\$ 40,282

Arch Coal, Inc. and Subsidiaries Reconciliation of Non-GAAP Measures (In thousands, except per share data)

Included in the accompanying release, we have disclosed certain non-GAAP measures as defined by Regulation G. The following reconciles these items to net income as reported under GAAP.

Adjusted EBITDA:

Adjusted EBITDA is defined as net income before the effect of net interest expense; income taxes; depreciation, depletion and amortization; expenses resulting from early extinguishment of debt; and other non-operating expenses.

Adjusted EBITDA is not a measure of financial performance in accordance with generally accepted accounting principles, and items excluded to calculate Adjusted EBITDA are significant in understanding and assessing our financial condition. Therefore, Adjusted EBITDA should not be considered in isolation nor as an alternative to net income, income from operations, cash flows from operations or as a measure of our profitability, liquidity or performance under generally accepted accounting principles. We believe that Adjusted EBITDA presents a useful measure of our ability to service and incur debt based on ongoing operations. Furthermore, analogous measures are used by industry analysts to evaluate operating performance. Investors should be aware that our presentation of Adjusted EBITDA may not be comparable to similarly titled measures used by other companies. The tables below show how we calculate Adjusted EBITDA.

Three Months Ended

	March 31,	
	2007	2006
	(Unau	ıdited)
Net income	\$ 28,724	\$ 60,687
Income tax expense	4,650	17,900
Interest expense, net	16,587	14,157
Depreciation, depletion and amortization	57,620	45,821
Expenses from early debt extinguishment and other non-operating	902	1,393
Adjusted EBITDA	\$108,483	\$139,958

Reconciliation of Adjusted EBITDA to Net Income — 2007 Targets

	Targeted	Targeted Results	
	Year !	Year Ended	
	Decembe	December 31, 2007	
	Low	High	
	(Unau	(Unaudited)	
Net income	\$ 180,000	\$288,000	
Income tax expense	28,000	32,000	
Interest expense, net	70,000	68,000	
Depreciation, depletion and amortization	250,000	260,000	
Expenses from early debt extinguishment and other non-operating	2,000	2,000	
		<u></u>	
Adjusted EBITDA	\$530,000	\$650,000	