## UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

# SCHEDULE 13G

# (Rule 13d-102)

#### Information Statement Pursuant to Rules 13d-1 and 13d-2 Under the Securities Exchange Act of 1934 (Amendment No. <u>1</u>)\*

Arch Coal, Inc.

(Name of Issuer)

Common stock, par value \$0.01 per share (Title of Class of Securities)

039380100

(CUSIP Number)

December 31, 2014 Date of Event Which Requires Filing of the Statement

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

□ Rule 13d-1(b)

x Rule 13d-1(c)

□ Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

	Cusip No. 039380100		13G/A Page 2 of 10 Pages		
1.	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION I Citadel Advisors LLC		SOVE PERSON		
-					
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (b) (b)				
3.	SEC USE ONLY				
4.	CITIZENSHIP OR PLACE OF OR Delaware	GANIZATI	ON		
	NUMBER OF	5.	SOLE VOTING POWER 0		
	SHARES BENEFICIALLY OWNED BY EACH REPORTING	6.	SHARED VOTING POWER 0 shares		
	PERSON WITH	7.	SOLE DISPOSITIVE POWER 0		
		8.	SHARED DISPOSITIVE POWER See Row 6 above		
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON See Row 6 above				
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	<b>0%</b> <sup>1</sup>				
12.	TYPE OF REPORTING PERSON IA; OO; HC				

The percentages reported in this Schedule 13G/A are based upon 212,274,112 shares of common stock outstanding as of October 31, 2014 (according to the Form 10-Q filed by the issuer with the Securities and Exchange Commission on November 7, 2014).

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1.	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION Citadel Advisors Holdings II LP				
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (b) (b)				
3.	SEC USE ONLY				
4.	CITIZENSHIP OR PLACE OF OR Delaware	GANIZATION			
	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.       SOLE VOTING POWER         0       0         6.       SHARED VOTING POWER         0 shares       0         7.       SOLE DISPOSITIVE POWER         0       0         8.       SHARED DISPOSITIVE POWER         See Row 6 above       See Row 6 above			
9.	AGGREGATE AMOUNT BENEF See Row 6 above	CIALLY OWNED BY EACH REPORTING PERSON			
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0%				
12.	TYPE OF REPORTING PERSON PN; HC				

	Cusip No. 039380100	13G/A	Page 4 of 10 Pages		
1.	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION				
	Citadel GP LLC				
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (b)				
3.	SEC USE ONLY				
4.	CITIZENSHIP OR PLACE OF OR Delaware	GANIZATION			
	NUMBER OF	5. SOLE VOTING POWER 0			
	SHARES BENEFICIALLY OWNED BY EACH REPORTING	6. SHARED VOTING POWER 366,647 shares			
	PERSON WITH	7. SOLE DISPOSITIVE POWER 0			
		8. SHARED DISPOSITIVE POWER See Row 6 above.			
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON See Row 6 above.				
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	0.2%				
12.	TYPE OF REPORTING PERSON OO; HC				

	Cusip No. 039380100	130	G/A		Page 5 of 10 Pages	
1.	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION	O. OF ABOVE PERSON				
	Kenneth Griffin					
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (b)					
3.	SEC USE ONLY					
4.	CITIZENSHIP OR PLACE OF OR U.S. Citizen	ANIZATION				
	NUMBER OF	5. SOLE VOTING 0	POWER			
	SHARES BENEFICIALLY OWNED BY EACH REPORTING	6. SHARED VOTI 366,647				
	PERSON WITH	7. SOLE DISPOSI 0	TIVE POWER			
			DSITIVE POWER w <b>6 above</b>			
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON See Row 6 above					
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES					
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
	0.2%					
12.	TYPE OF REPORTING PERSON IN; HC					

Item 1(a)	Name of Issuer Arch Coal, Inc.
Item 1(b)	Address of Issuer's Principal Executive Offices One CityPlace Drive, Ste. 300, St. Louis, Missouri 63141
Item 2(a)	<b>Name of Person Filing</b> This Schedule 13G/A is being jointly filed by Citadel Advisors LLC ("Citadel Advisors"), Citadel Advisors Holdings II LP ("CAH2"), Citadel GP LLC ("CGP") and Mr. Kenneth Griffin (collectively with Citadel Advisors, CAH2 and CGP, the "Reporting Persons") with respect to shares of common stock (and options to purchase common stock) of the above-named issuer owned by Citadel Securities LLC, a Delaware limited liability company ("Citadel Securities").
	CALC III LP, a Delaware limited partnership ("CALC3"), is the non-member manager of Citadel Securities. CGP is the general partner of CALC3. Mr. Griffin is the President and Chief Executive Officer of, and owns a controlling interest in, CGP.
	The filing of this statement shall not be construed as an admission that any of the Reporting Persons is the beneficial owner of any securities covered by the statement other than the securities actually owned by such person (if any).
Item 2(b)	Address of Principal Business Office The address of the principal business office of each of the Reporting Persons is c/o Citadel LLC, 131 S. Dearborn Street, 32nd Floor, Chicago, Illinois 60603.
Item 2(c)	<b>Citizenship</b> Each of Citadel Advisors and CGP is organized as a limited liability company under the laws of the State of Delaware. CAH2 is organized as a limited partnership under the laws of the State of Delaware. Mr. Griffin is a U.S. citizen.
Item 2(d)	Title of Class of Securities Common stock, \$0.01 par value
Item 2(e)	CUSIP Number 039380100

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Item 3	If this statement is			filed pursuant to Rules 13d-1(b), or 13d-2(b) or (c), check whether the person filing is a:				
	(a)		Brok	er or dealer registered under Section 15 of the Exchange Act;				
	(b)		Bank	as defined in Section 3(a)(6) of the Exchange Act;				
	(c)		Insur	ance company as defined in Section 3(a)(19) of the Exchange Act;				
	(d)		Inves	tment company registered under Section 8 of the Investment Company	Act;			
	(e)		An ir	vestment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);				
	(f)		An ei	nployee benefit plan or endowment fund in accordance with Rule 13d-1	l(b)(1)(ii)(F);			
	(g)		A pa	rent holding company or control person in accordance with Rule 13d-1(	b)(1)(ii)(G);			
	(h)		A say	rings association as defined in Section 3(b) of the Federal Deposit Insur	ance Act;			
(i)			urch plan that is excluded from the definition of an investment compa- pany Act;	ny under Section 3(c)(14) of the Investment				
(j) 🗆 G			Grou	Group, in accordance with Rule 13d-1(b)(1)(ii)(J).				
If filing as a non-U			n-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J), please specify the type of institution:					
Item 4	Owne	ership						
	А.	Citadel						
		(a)	Citad	el Advisors may be deemed to beneficially own 0 shares of Common St	tock.			
<ul><li>(b) The number of shares Citadel Advisors may be deemed outstanding.</li><li>(c) Number of shares as to which such person has:</li></ul>				number of shares Citadel Advisors may be deemed to beneficially own c anding.	constitutes 0% of the Common Stock			
			Num	ber of shares as to which such person has:				
			(i)	sole power to vote or to direct the vote: 0				
			(ii)	shared power to vote or to direct the vote: 0				
			(iii)	sole power to dispose or to direct the disposition of: 0				
(iv) shared power to dispose or to direct the disposition of: 0								

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B.			
	Citadel A	dvisors Holdings II LP	
	(a)	CAH2 may be deemed to beneficially ov	vn 0 shares of Common Stock.
	(b)	The number of shares CAH2 may be dee	med to beneficially own constitutes 0% of the Common Stock outstanding.
	(c)	Number of shares as to which such perso	n has:
		i) sole power to vote or to direct t	he vote: 0
		ii) shared power to vote or to direc	t the vote: 0
		iii) sole power to dispose or to dire	ct the disposition of: 0
		iv) shared power to dispose or to d	rect the disposition of: 0
C.	Citadel (	P LLC and Kenneth Griffin	
	(a)	CGP and Griffin may be deemed to bene	ficially own 366,647 shares of Common Stock.
	(b)	The number of shares CGP and Griffin r Common Stock outstanding.	nay be deemed to beneficially own constitutes approximately $0.2\%$ of the
	(c)	Number of shares as to which such perso	n has:
		i) sole power to vote or to direct t	he vote: 0
		ii) shared power to vote or to direc	t the vote: 366,647
		iii) sole power to dispose or to dire	ct the disposition of: 0
		iv) shared power to dispose or to d	rect the disposition of: 366,647
If this sta	atement i	e Percent or Less of a Class being filed to report the fact that as of the class of securities, check the following	ne date hereof the reporting person has ceased to be the beneficial owner of mor g x.
<b>Owners</b> Not App		re than Five Percent on Behalf of And	ther Person
		Classification of the Subsidiary which	h Acquired the Security Being Reported on by the Parent Holding Compan

**Notice of Dissolution of Group** Not Applicable Item 9

Item 5

Item 6

Item 7

Item 8

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### Item 10 Certification

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

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After reasonable inquiry and to the best of its knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct.

Dated this 17th day of February, 2015.

DEL ADVISORS LLC	CITADEL ADVISORS HOLDINGS II LP			
/s/ Mark Polemeni Mark Polemeni, Authorized Signatory	By:	/s/ Mark Polemeni Mark Polemeni, Authorized Signatory		
DEL GP LLC	KENN	ETH GRIFFIN		
/s/ Mark Polemeni	By:	/s/ Mark Polemeni		
Mark Polemeni, Authorized Signatory		Mark Polemeni, attorney-in-fact <sup>*</sup>		
	Mark Polemeni, Authorized Signatory DEL GP LLC /s/ Mark Polemeni	/s/ Mark Polemeni     By:       Mark Polemeni, Authorized Signatory     By:       DEL GP LLC     KENN       /s/ Mark Polemeni     By:		

\* Mark Polemeni is signing on behalf of Kenneth Griffin as attorney-in-fact pursuant to a power of attorney previously filed with the Securities and Exchange Commission on January 18, 2013, and hereby incorporated by reference herein. The power of attorney was filed as an attachment to a filing by Citadel Advisors LLC on Schedule 13G for TiVo Inc.