

Operators Included In Study				
		Region		
County	Operator	Dry Region	Super Rich	Wet Region
ALLEGHENY	RANGE RESOURCES APPALACHIA LLC	19		
	XTO ENERGY INC	2		
ALLEGHENY Total		21		
ARMSTRONG	EQT PRODUCTION CO	15		
	EXCO RESOURCES PA LLC	17		
ARMSTRONG Total		32		
BEAVER	CHESAPEAKE APPALACHIA LLC	3		
BEAVER Total		3		
BLAIR	CHEVRON APPALACHIA LLC	3		
BLAIR Total		3		
BRADFORD	CHESAPEAKE APPALACHIA LLC	366		
	CHIEF OIL & GAS LLC	30		
	EOG RESOURCES INC	13		
	SOUTHWESTERN ENERGY PROD CO	72		
	SWEPI LP	4		
	TALISMAN ENERGY USA INC	231		
BRADFORD Total		716		
BUTLER	RE GAS DEV LLC	23		32
	XTO ENERGY INC	16		
BUTLER Total		39		32
CAMERON	SENECA RESOURCES CORP	1		
CAMERON Total		1		
CENTRE	ANADARKO E&P ONSHORE LLC	4		
	EXCO RESOURCES PA LLC	10		
	WPX ENERGY APPALACHIA LLC	4		
CENTRE Total		18		
CLARION	EQT PRODUCTION CO	2		1
	NORTHEAST NATURAL ENERGY LLC	2		
CLARION Total		4		1
CLEARFIELD	CHEVRON APPALACHIA LLC	1		
	ENERGY CORP OF AMER	6		
	EOG RESOURCES INC	67		
	EQT PRODUCTION CO	4		
	WPX ENERGY APPALACHIA LLC	4		
CLEARFIELD Total		82		
CLINTON	ANADARKO E&P ONSHORE LLC	48		
	GREAT PLAINS OPER LLC DBA GREAT MTN OPER	1		
	XTO ENERGY INC	6		
CLINTON Total		55		
CRAWFORD	RANGE RESOURCES APPALACHIA LLC		1	
CRAWFORD Total			1	
ELK	EOG RESOURCES INC	6		
	SENECA RESOURCES CORP	12		
ELK Total		18		
FAYETTE	ATLAS RESOURCES LLC	17		
	BURNETT OIL CO INC	2		
	CHEVRON APPALACHIA LLC	61		
	XTO ENERGY INC	13		
FAYETTE Total		93		
FOREST	PA GEN ENERGY CO LLC			1
	SENECA RESOURCES CORP	1		
FOREST Total		1		1

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GREENE	ALPHA SHALE RES LP	10		
	ATLAS RESOURCES LLC	1		
	CHESAPEAKE APPALACHIA LLC	5		
	CHEVRON APPALACHIA LLC	42		
	CNX GAS CO LLC	67		
	ENERGY CORP OF AMER	66		
	EQT PRODUCTION CO	128		
	RANGE RESOURCES APPALACHIA LLC	4		
	RICE DRILLING B LLC	1		
	VANTAGE ENERGY APPALACHIA II LLC	2		
	VANTAGE ENERGY APPALACHIA LLC	10		
GREENE Total		336		
HUNTINGDON	PA GEN ENERGY CO LLC	1		
HUNTINGDON Total		1		
INDIANA	ATLAS RESOURCES LLC	1		
	CHEVRON APPALACHIA LLC	3		
	EQT PRODUCTION CO	5		
	XTO ENERGY INC	8		
INDIANA Total		17		
JEFFERSON	EQT PRODUCTION CO	5		
	EXCO RESOURCES PA LLC	3		
	FLATIRONS DEVELOPMENT LLC	2		
	XTO ENERGY INC	1		
JEFFERSON Total		11		
LAWRENCE	SWEPI LP	2		
LAWRENCE Total		2		
LYCOMING	ANADARKO E&P ONSHORE LLC	157		
	EXCO RESOURCES PA LLC	62		
	INFLECTION ENERGY LLC	8		
	PA GEN ENERGY CO LLC	53		
	RANGE RESOURCES APPALACHIA LLC	88		
	SENECA RESOURCES CORP	26		
	SOUTHWESTERN ENERGY PROD CO	8		
	SWEPI LP	6		
	XTO ENERGY INC	26		
LYCOMING Total		434		
MCKEAN	EOG RESOURCES INC	5		
	PA GEN ENERGY CO LLC	10		
	SENECA RESOURCES CORP	1		
	SM ENERGY CO	3		
	TRIANA ENERGY LLC		3	
MCKEAN Total		19	3	
POTTER	PA GEN ENERGY CO LLC	18		
	SENECA RESOURCES CORP	2		
	SWEPI LP	1		
	ULTRA RESOURCES INC	12		
POTTER Total		33		
SULLIVAN	CHESAPEAKE APPALACHIA LLC	17		
	CHIEF OIL & GAS LLC	2		
SULLIVAN Total		19		

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SUSQUEHANNA	CABOT OIL & GAS CORP	221		
	CARRIZO (MARCELLUS) LLC	24		
	CHESAPEAKE APPALACHIA LLC	94		
	CHIEF OIL & GAS LLC	16		
	SOUTHWESTERN ENERGY PROD CO	47		
	STONE ENERGY CORP	2		
	TALISMAN ENERGY USA INC	1		
	WPX ENERGY APPALACHIA LLC	55		
SUSQUEHANNA Total		460		
TIOGA	EQT PRODUCTION CO	10		
	SENECA RESOURCES CORP	72		
	SWEPI LP	228		
	TALISMAN ENERGY USA INC	88		
	TENASKA RES LLC	10		
	ULTRA RESOURCES INC	23		
TIOGA Total		431		
VENANGO	RANGE RESOURCES APPALACHIA LLC	1		
VENANGO Total		1		
WASHINGTON	ANTERO RESOURCES CORP	1		1
	ATLAS RESOURCES LLC	1		
	CHESAPEAKE APPALACHIA LLC		3	
	CHEVRON APPALACHIA LLC	13	1	4
	CNX GAS CO LLC	31		
	EQT PRODUCTION CO	7		
	RANGE RESOURCES APPALACHIA LLC	76	234	105
	RICE DRILLING B LLC	17		
WASHINGTON Total		146	238	110
WESTMORELAND	ATLAS RESOURCES LLC	6		
	BURNETT OIL CO INC	2		
	CHEVRON APPALACHIA LLC	22		
	CNX GAS CO LLC	32		
	WPX ENERGY APPALACHIA LLC	37		
	XTO ENERGY INC	15		
WESTMORELAND Total		114		
WYOMING	CARRIZO (MARCELLUS) LLC	26		
	CHESAPEAKE APPALACHIA LLC	32		
	CHIEF OIL & GAS LLC	7		
	CITRUS ENERGY CORP	21		
WYOMING Total		86		
Grand Total		3196	239	147