

APPENDIX C. Table of Counties in Major U.S. Shale Plays

STATE	STATE CODE	SUBDIVISION CODE	County Code	County Name	Shale County? [Y=YES]	SHALE	REMARKS
ARKANSAS	AR		001	ARKANSAS	Y	FAYETTEVILLE	East Fayetteville Shale
ARKANSAS	AR		023	CLEBURNE	Y	FAYETTEVILLE	Central Fayetteville Shale
ARKANSAS	AR		029	CONWAY	Y	FAYETTEVILLE	Central Fayetteville Shale
ARKANSAS	AR		033	CRAWFORD	Y	FAYETTEVILLE	West Fayetteville Shale
ARKANSAS	AR		037	CROSS	Y	FAYETTEVILLE	East Fayetteville Shale
ARKANSAS	AR		045	FAULKNER	Y	FAYETTEVILLE	Central Fayetteville Shale
ARKANSAS	AR		047	FRANKLIN	Y	FAYETTEVILLE	West Fayetteville Shale
ARKANSAS	AR		063	INDEPENDENCE	Y	FAYETTEVILLE	Central Fayetteville Shale
ARKANSAS	AR		067	JACKSON	Y	FAYETTEVILLE	East Fayetteville Shale
ARKANSAS	AR		071	JOHNSON	Y	FAYETTEVILLE	West Fayetteville Shale
ARKANSAS	AR		077	LEE	Y	FAYETTEVILLE	East Fayetteville Shale
ARKANSAS	AR		083	LOGAN	Y	FAYETTEVILLE	West Fayetteville Shale
ARKANSAS	AR		085	LONOKE	Y	FAYETTEVILLE	East Fayetteville Shale
ARKANSAS	AR		087	MADISON	Y	FAYETTEVILLE	West Fayetteville Shale
ARKANSAS	AR		095	MONROE	Y	FAYETTEVILLE	East Fayetteville Shale
ARKANSAS	AR		097	NEWTON	Y	FAYETTEVILLE	West Fayetteville Shale
ARKANSAS	AR		107	PHILLIPS	Y	FAYETTEVILLE	East Fayetteville Shale
ARKANSAS	AR		115	POPE	Y	FAYETTEVILLE	West Fayetteville Shale
ARKANSAS	AR		117	PRAIRIE	Y	FAYETTEVILLE	East Fayetteville Shale
ARKANSAS	AR		119	PULASKI	Y	FAYETTEVILLE	East Fayetteville Shale
ARKANSAS	AR		123	ST FRANCIS	Y	FAYETTEVILLE	East Fayetteville Shale
ARKANSAS	AR		127	SCOTT	Y	FAYETTEVILLE	West Fayetteville Shale
ARKANSAS	AR		129	SEARCY	Y	FAYETTEVILLE	Central Fayetteville Shale
ARKANSAS	AR		131	SEBASTIAN	Y	FAYETTEVILLE	West Fayetteville Shale
ARKANSAS	AR		137	STONE	Y	FAYETTEVILLE	Central Fayetteville Shale
ARKANSAS	AR		141	VAN BUREN	Y	FAYETTEVILLE	Central Fayetteville Shale
ARKANSAS	AR		143	WASHINGTON	Y	FAYETTEVILLE	West Fayetteville Shale
ARKANSAS	AR		145	WHITE	Y	FAYETTEVILLE	Central Fayetteville Shale
ARKANSAS	AR		147	WOODRUFF	Y	FAYETTEVILLE	East Fayetteville Shale
ARKANSAS	AR		149	YELL	Y	FAYETTEVILLE	West Fayetteville Shale
COLORADO	CO		001	ADAMS	Y	NIOBRARA	Denver Basin Niobrara
COLORADO	CO		005	ARAPAHOE	Y	NIOBRARA	Denver Basin Niobrara
COLORADO	CO		013	BOULDER	Y	NIOBRARA	Denver Basin Niobrara
COLORADO	CO		014	BROOMFIELD	Y	NIOBRARA	Denver Basin Niobrara
COLORADO	CO		025	CROWLEY	Y	NIOBRARA	Denver Basin Niobrara
COLORADO	CO		035	DOUGLAS	Y	NIOBRARA	Denver Basin Niobrara
COLORADO	CO		039	ELBERT	Y	NIOBRARA	Denver Basin Niobrara
COLORADO	CO		041	EL PASO	Y	NIOBRARA	Denver Basin Niobrara
COLORADO	CO		043	FREMONT	Y	NIOBRARA	Denver Basin Niobrara
COLORADO	CO		059	JEFFERSON	Y	NIOBRARA	Denver Basin Niobrara
COLORADO	CO		069	LARIMER	Y	NIOBRARA	Denver Basin Niobrara
COLORADO	CO		073	LINCOLN	Y	NIOBRARA	Denver Basin Niobrara
COLORADO	CO		075	LOGAN	Y	NIOBRARA	Denver Basin Niobrara
COLORADO	CO		087	MORGAN	Y	NIOBRARA	Denver Basin Niobrara
COLORADO	CO		089	OTERO	Y	NIOBRARA	Denver Basin Niobrara
COLORADO	CO		101	PUEBLO	Y	NIOBRARA	Denver Basin Niobrara
COLORADO	CO		121	WASHINGTON	Y	NIOBRARA	Denver Basin Niobrara
COLORADO	CO		123	WELD	Y	NIOBRARA	Denver Basin Niobrara
INDIANA	IN		061	HARRISON	Y	NEW ALBANY	minor shale play
INDIANA	IN		083	KNOX	Y	NEW ALBANY	minor shale play
LOUISIANA	LA	N	013	BIENVILLE	Y	HAYNESVILLE	
LOUISIANA	LA	N	015	BOSSIER	Y	HAYNESVILLE	
LOUISIANA	LA	N	017	CADDO	Y	HAYNESVILLE	
LOUISIANA	LA	N	031	DE SOTO	Y	HAYNESVILLE	

STATE	STATE CODE	SUBDIVISION CODE	County Code	County Name	Shale County? [Y=YES]	SHALE	REMARKS
LOUISIANA	LA	N	069	NATCHITOCHE	Y	HAYNESVILLE	
LOUISIANA	LA	N	081	RED RIVER	Y	HAYNESVILLE	
LOUISIANA	LA	N	085	SABINE	Y	HAYNESVILLE	
LOUISIANA	LA	N	119	WEBSTER	Y	HAYNESVILLE	
MICHIGAN	MI		001	ALCONA	Y	ANTRIM	
MICHIGAN	MI		007	ALPENA	Y	ANTRIM	
MICHIGAN	MI		009	ANTRIM	Y	ANTRIM	
MICHIGAN	MI		019	BENZIE	Y	ANTRIM	
MICHIGAN	MI		029	CHARLEVOIX	Y	ANTRIM	
MICHIGAN	MI		039	CRAWFORD	Y	ANTRIM	
MICHIGAN	MI		045	EATON	Y	ANTRIM	
MICHIGAN	MI		055	GRAND TRAVERSE	Y	ANTRIM	
MICHIGAN	MI		057	GRATIOT	Y	ANTRIM	
MICHIGAN	MI		065	INGHAM	Y	ANTRIM	
MICHIGAN	MI		067	IONIA	Y	ANTRIM	
MICHIGAN	MI		069	IOSCO	Y	ANTRIM	
MICHIGAN	MI		079	KALKASKA	Y	ANTRIM	
MICHIGAN	MI		081	KENT	Y	ANTRIM	
MICHIGAN	MI		093	LIVINGSTON	Y	ANTRIM	
MICHIGAN	MI		101	MANISTEE	Y	ANTRIM	
MICHIGAN	MI		105	MASON	Y	ANTRIM	
MICHIGAN	MI		113	MISSAUKEE	Y	ANTRIM	
MICHIGAN	MI		119	MONTMORENCY	Y	ANTRIM	
MICHIGAN	MI		123	NEWAYGO	Y	ANTRIM	
MICHIGAN	MI		129	OGEMAW	Y	ANTRIM	
MICHIGAN	MI		135	OSCODA	Y	ANTRIM	
MICHIGAN	MI		137	OTSEGO	Y	ANTRIM	
MICHIGAN	MI		143	ROSCOMMON	Y	ANTRIM	
MONTANA	MT		011	CARTER	Y	THREE FORKS	
MONTANA	MT		017	CUSTER	Y	THREE FORKS	
MONTANA	MT		019	DANIELS	Y	BAKKEN	
MONTANA	MT		021	DAWSON	Y	BAKKEN	
MONTANA	MT		025	FALLON	Y	BAKKEN	
MONTANA	MT		055	MCCONE	Y	BAKKEN	
MONTANA	MT		079	PRAIRIE	Y	BAKKEN	
MONTANA	MT		083	RICHLAND	Y	BAKKEN	
MONTANA	MT		085	ROOSEVELT	Y	BAKKEN	
MONTANA	MT		091	SHERIDAN	Y	BAKKEN	
MONTANA	MT		105	VALLEY	Y	BAKKEN	
MONTANA	MT		109	WIBAUX	Y	BAKKEN	
NORTH DAKOTA	ND		001	ADAMS	Y	THREE FORKS	
NORTH DAKOTA	ND		007	BILLINGS	Y	BAKKEN	
NORTH DAKOTA	ND		009	BOTTINEAU	Y	BAKKEN	
NORTH DAKOTA	ND		011	BOWMAN	Y	THREE FORKS	
NORTH DAKOTA	ND		013	BURKE	Y	BAKKEN	
NORTH DAKOTA	ND		015	BURLEIGH	Y	THREE FORKS	
NORTH DAKOTA	ND		023	DIVIDE	Y	BAKKEN	
NORTH DAKOTA	ND		025	DUNN	Y	BAKKEN	
NORTH DAKOTA	ND		029	EMMONS	Y	THREE FORKS	
NORTH DAKOTA	ND		033	GOLDEN VALLEY	Y	BAKKEN	
NORTH DAKOTA	ND		037	GRANT	Y	THREE FORKS	
NORTH DAKOTA	ND		041	HETTINGER	Y	THREE FORKS	
NORTH DAKOTA	ND		043	KIDDER	Y	THREE FORKS	
NORTH DAKOTA	ND		049	MCHENRY	Y	BAKKEN	
NORTH DAKOTA	ND		053	MCKENZIE	Y	BAKKEN	
NORTH DAKOTA	ND		055	MCLEAN	Y	BAKKEN	

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NORTH DAKOTA	ND		057	MERCER	Y	BAKKEN	
NORTH DAKOTA	ND		059	MORTON	Y	THREE FORKS	
NORTH DAKOTA	ND		061	MOUNTRAIL	Y	BAKKEN	
NORTH DAKOTA	ND		065	OLIVER	Y	BAKKEN	
NORTH DAKOTA	ND		069	PIERCE	Y	THREE FORKS	
NORTH DAKOTA	ND		075	RENVILLE	Y	BAKKEN	
NORTH DAKOTA	ND		079	ROLETTE	Y	THREE FORKS	
NORTH DAKOTA	ND		083	SHERIDAN	Y	THREE FORKS	
NORTH DAKOTA	ND		085	SIOUX	Y	THREE FORKS	
NORTH DAKOTA	ND		087	SLOPE	Y	BAKKEN	
NORTH DAKOTA	ND		089	STARK	Y	BAKKEN	
NORTH DAKOTA	ND		095	TOWNER	Y	THREE FORKS	
NORTH DAKOTA	ND		101	WARD	Y	BAKKEN	
NORTH DAKOTA	ND		103	WELLS	Y	THREE FORKS	
NORTH DAKOTA	ND		105	WILLIAMS	Y	BAKKEN	
NEBRASKA	NE		007	BANNER	Y	NIOBRARA	Denver Basin Niobrara
NEBRASKA	NE		033	CHEYENNE	Y	NIOBRARA	Denver Basin Niobrara
NEBRASKA	NE		105	KIMBALL	Y	NIOBRARA	Denver Basin Niobrara
NEBRASKA	NE		123	MORRILL	Y	NIOBRARA	Denver Basin Niobrara
NEBRASKA	NE		157	SCOTTS BLUFF	Y	NIOBRARA	Denver Basin Niobrara
NEW MEXICO	NM	E	005	CHAVES	Y	WOLFCAMP	BONE SPRINGS
NEW MEXICO	NM	E	015	EDDY	Y	WOLFCAMP	BONE SPRINGS
NEW MEXICO	NM	E	025	LEA	Y	WOLFCAMP	BONE SPRINGS
OHIO	OH		007	ASHTABULA	Y	UTICA	
OHIO	OH		013	BELMONT	Y	MARCELLUS	UTICA
OHIO	OH		019	CARROLL	Y	UTICA	
OHIO	OH		029	COLUMBIANA	Y	MARCELLUS	UTICA
OHIO	OH		031	COSHOCTON	Y	UTICA	
OHIO	OH		035	CUYAHOGA	Y	UTICA	
OHIO	OH		055	GEAUGA	Y	UTICA	
OHIO	OH		059	GUERNSEY	Y	MARCELLUS	UTICA
OHIO	OH		067	HARRISON	Y	UTICA	
OHIO	OH		075	HOLMES	Y	UTICA	
OHIO	OH		081	JEFFERSON	Y	UTICA	
OHIO	OH		085	LAKE	Y	UTICA	
OHIO	OH		099	MAHONING	Y	UTICA	
OHIO	OH		103	MEDINA	Y	UTICA	
OHIO	OH		111	MONROE	Y	MARCELLUS	UTICA
OHIO	OH		115	MORGAN	Y	UTICA	
OHIO	OH		119	MUSKINGUM	Y	UTICA	
OHIO	OH		121	NOBLE	Y	UTICA	
OHIO	OH		133	PORTAGE	Y	UTICA	
OHIO	OH		151	STARK	Y	UTICA	
OHIO	OH		153	SUMMIT	Y	UTICA	
OHIO	OH		155	TRUMBULL	Y	UTICA	
OHIO	OH		157	TUSCARAWAS	Y	UTICA	
OHIO	OH		167	WASHINGTON	Y	UTICA	
OHIO	OH		169	WAYNE	Y	UTICA	
OKLAHOMA	OK		005	ATOKA	Y	WOODFORD	ARKOMA
OKLAHOMA	OK		011	BLAINE	Y	WOODFORD	STACK
OKLAHOMA	OK		013	BRYAN	Y	WOODFORD	ARDMORE
OKLAHOMA	OK		015	CADDO	Y	WOODFORD	SCOOP
OKLAHOMA	OK		017	CANADIAN	Y	WOODFORD	STACK
OKLAHOMA	OK		019	CARTER	Y	WOODFORD	SCOOP
OKLAHOMA	OK		029	COAL	Y	WOODFORD	ARKOMA
OKLAHOMA	OK		039	CUSTER	Y	WOODFORD	STACK

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OKLAHOMA	OK		043	DEWEY	Y	WOODFORD	STACK
OKLAHOMA	OK		049	GARVIN	Y	WOODFORD	SCOOP
OKLAHOMA	OK		051	GRADY	Y	WOODFORD	SCOOP
OKLAHOMA	OK		063	HUGHES	Y	WOODFORD	ARKOMA
OKLAHOMA	OK		067	JEFFERSON	Y	WOODFORD	SCOOP
OKLAHOMA	OK		073	KINGFISHER	Y	WOODFORD	STACK
OKLAHOMA	OK		085	LOVE	Y	WOODFORD	ARDMORE
OKLAHOMA	OK		087	MCCLAIN	Y	WOODFORD	SCOOP
OKLAHOMA	OK		091	MCINTOSH	Y	WOODFORD	ARKOMA
OKLAHOMA	OK		095	MARSHALL	Y	WOODFORD	ARDMORE
OKLAHOMA	OK		099	MURRAY	Y	WOODFORD	SCOOP
OKLAHOMA	OK		121	PITTSBURG	Y	WOODFORD	ARKOMA
OKLAHOMA	OK		137	STEPHENS	Y	WOODFORD	SCOOP
PENNSYLVANIA	PA		003	ALLEGHENY	Y	MARCELLUS	UTICA
PENNSYLVANIA	PA		005	ARMSTRONG	Y	MARCELLUS	UTICA
PENNSYLVANIA	PA		007	BEAVER	Y	MARCELLUS	UTICA
PENNSYLVANIA	PA		009	BEDFORD	Y	MARCELLUS	
PENNSYLVANIA	PA		013	BLAIR	Y	MARCELLUS	
PENNSYLVANIA	PA		015	BRADFORD	Y	MARCELLUS	
PENNSYLVANIA	PA		019	BUTLER	Y	MARCELLUS	UTICA
PENNSYLVANIA	PA		021	CAMBRIA	Y	MARCELLUS	
PENNSYLVANIA	PA		023	CAMERON	Y	MARCELLUS	UTICA
PENNSYLVANIA	PA		025	CARBON	Y	MARCELLUS	
PENNSYLVANIA	PA		027	CENTRE	Y	MARCELLUS	
PENNSYLVANIA	PA		031	CLARION	Y	UTICA	
PENNSYLVANIA	PA		033	CLEARFIELD	Y	MARCELLUS	
PENNSYLVANIA	PA		035	CLINTON	Y	MARCELLUS	
PENNSYLVANIA	PA		039	CRAWFORD	Y	MARCELLUS	UTICA
PENNSYLVANIA	PA		047	ELK	Y	MARCELLUS	UTICA
PENNSYLVANIA	PA		049	ERIE	Y	UTICA	
PENNSYLVANIA	PA		051	FAYETTE	Y	MARCELLUS	
PENNSYLVANIA	PA		053	FOREST	Y	MARCELLUS	UTICA
PENNSYLVANIA	PA		059	GREENE	Y	MARCELLUS	UTICA
PENNSYLVANIA	PA		063	INDIANA	Y	MARCELLUS	
PENNSYLVANIA	PA		065	JEFFERSON	Y	MARCELLUS	UTICA
PENNSYLVANIA	PA		073	LAWRENCE	Y	MARCELLUS	UTICA
PENNSYLVANIA	PA		079	LUZERNE	Y	MARCELLUS	
PENNSYLVANIA	PA		081	LYCOMING	Y	MARCELLUS	
PENNSYLVANIA	PA		083	MCKEAN	Y	MARCELLUS	UTICA
PENNSYLVANIA	PA		085	MERCER	Y	MARCELLUS	UTICA
PENNSYLVANIA	PA		103	PIKE	Y	MARCELLUS	
PENNSYLVANIA	PA		105	POTTER	Y	MARCELLUS	UTICA
PENNSYLVANIA	PA		111	SOMERSET	Y	MARCELLUS	
PENNSYLVANIA	PA		113	SULLIVAN	Y	MARCELLUS	
PENNSYLVANIA	PA		115	SUSQUEHANNA	Y	MARCELLUS	
PENNSYLVANIA	PA		117	TIOGA	Y	MARCELLUS	UTICA
PENNSYLVANIA	PA		121	VENANGO	Y	MARCELLUS	UTICA
PENNSYLVANIA	PA		123	WARREN	Y	MARCELLUS	UTICA
PENNSYLVANIA	PA		125	WASHINGTON	Y	MARCELLUS	UTICA
PENNSYLVANIA	PA		129	WESTMORELAND	Y	MARCELLUS	
PENNSYLVANIA	PA		131	WYOMING	Y	MARCELLUS	
SOUTH DAKOTA	SD		019	BUTTE	Y	THREE FORKS	
SOUTH DAKOTA	SD		031	CORSON	Y	THREE FORKS	
SOUTH DAKOTA	SD		041	DEWEY	Y	THREE FORKS	
SOUTH DAKOTA	SD		063	HARDING	Y	THREE FORKS	
SOUTH DAKOTA	SD		093	MEADE	Y	THREE FORKS	

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SOUTH DAKOTA	SD		105	PERKINS	Y	THREE FORKS	
SOUTH DAKOTA	SD		137	ZIEBACH	Y	THREE FORKS	
TEXAS	TX	8	003	ANDREWS	Y	WOLFCAMP	
TEXAS	TX	6	005	ANGELINA	Y	HAYNESVILLE	
TEXAS	TX	1	013	ATASCOSA	Y	EAGLE FORD	
TEXAS	TX	1	021	BASTROP	Y	EAGLE FORD	
TEXAS	TX	2	025	BEE	Y	EAGLE FORD	
TEXAS	TX	8A	033	BORDEN	Y	WOLFCAMP	
TEXAS	TX	5	035	BOSQUE	Y	BARNETT	
TEXAS	TX	3	041	BRAZOS	Y	EAGLE FORD	
TEXAS	TX	3	051	BURLESON	Y	EAGLE FORD	
TEXAS	TX	9	077	CLAY	Y	BARNETT	
TEXAS	TX	8A	079	COCHRAN	Y	WOLFCAMP	
TEXAS	TX	7C	081	COKE	Y	WOLFCAMP	
TEXAS	TX	9	097	COOKE	Y	BARNETT	
TEXAS	TX	8	103	CRANE	Y	WOLFCAMP	
TEXAS	TX	7C	105	CROCKETT	Y	WOLFCAMP	
TEXAS	TX	8	109	CULBERSON	Y	WOLFCAMP	
TEXAS	TX	5	113	DALLAS	Y	BARNETT	
TEXAS	TX	8A	115	DAWSON	Y	WOLFCAMP	
TEXAS	TX	9	121	DENTON	Y	BARNETT	
TEXAS	TX	2	123	DE WITT	Y	EAGLE FORD	
TEXAS	TX	1	127	DIMMIT	Y	EAGLE FORD	
TEXAS	TX	8	135	ECTOR	Y	WOLFCAMP	
TEXAS	TX	5	139	ELLIS	Y	BARNETT	
TEXAS	TX	7B	143	ERATH	Y	BARNETT	
TEXAS	TX	3	149	FAYETTE	Y	EAGLE FORD	
TEXAS	TX	1	163	FRIO	Y	EAGLE FORD	
TEXAS	TX	8A	165	GAINES	Y	WOLFCAMP	
TEXAS	TX	8	173	GLASSCOCK	Y	WOLFCAMP	
TEXAS	TX	1	177	GONZALES	Y	EAGLE FORD	
TEXAS	TX	6	183	GREGG	Y	HAYNESVILLE	
TEXAS	TX	3	185	GRIMES	Y	EAGLE FORD	
TEXAS	TX	7B	193	HAMILTON	Y	BARNETT	
TEXAS	TX	6	203	HARRISON	Y	HAYNESVILLE	
TEXAS	TX	5	217	HILL	Y	BARNETT	
TEXAS	TX	7B	221	HOOD	Y	BARNETT	
TEXAS	TX	8	227	HOWARD	Y	WOLFCAMP	
TEXAS	TX	7C	235	IRION	Y	WOLFCAMP	
TEXAS	TX	9	237	JACK	Y	BARNETT	
TEXAS	TX	5	251	JOHNSON	Y	BARNETT	
TEXAS	TX	2	255	KARNES	Y	EAGLE FORD	
TEXAS	TX	1	283	LA SALLE	Y	EAGLE FORD	
TEXAS	TX	2	285	LAVACA	Y	EAGLE FORD	
TEXAS	TX	3	287	LEE	Y	EAGLE FORD	
TEXAS	TX	5	289	LEON	Y	EAGLE FORD	
TEXAS	TX	2	297	LIVE OAK	Y	EAGLE FORD	
TEXAS	TX	8	301	LOVING	Y	WOLFCAMP	
TEXAS	TX	8A	305	LYNN	Y	WOLFCAMP	
TEXAS	TX	1	311	MCMULLEN	Y	EAGLE FORD	
TEXAS	TX	3	313	MADISON	Y	EAGLE FORD	
TEXAS	TX	6	315	MARION	Y	HAYNESVILLE	
TEXAS	TX	8	317	MARTIN	Y	WOLFCAMP	
TEXAS	TX	1	323	MAVERICK	Y	EAGLE FORD	
TEXAS	TX	8	329	MIDLAND	Y	WOLFCAMP	
TEXAS	TX	1	331	MILAM	Y	EAGLE FORD	

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TEXAS	TX	8	335	MITCHELL	Y	WOLFCAMP	
TEXAS	TX	9	337	MONTAGUE	Y	BARNETT	
TEXAS	TX	6	347	NACOGDOCHES	Y	HAYNESVILLE	
TEXAS	TX	7B	363	PALO PINTO	Y	BARNETT	
TEXAS	TX	6	365	PANOLA	Y	HAYNESVILLE	
TEXAS	TX	7B	367	PARKER	Y	BARNETT	
TEXAS	TX	8	371	PECOS	Y	WOLFCAMP	
TEXAS	TX	7C	383	REAGAN	Y	WOLFCAMP	
TEXAS	TX	8	389	REEVES	Y	WOLFCAMP	
TEXAS	TX	5	395	ROBERTSON	Y	EAGLE FORD	
TEXAS	TX	6	401	RUSK	Y	HAYNESVILLE	
TEXAS	TX	6	403	SABINE	Y	HAYNESVILLE	
TEXAS	TX	6	405	SAN AUGUSTINE	Y	HAYNESVILLE	
TEXAS	TX	7C	413	SCHLEICHER	Y	WOLFCAMP	
TEXAS	TX	8A	415	SCURRY	Y	WOLFCAMP	
TEXAS	TX	6	419	SHELBY	Y	HAYNESVILLE	
TEXAS	TX	7B	425	SOMERVELL	Y	BARNETT	
TEXAS	TX	7C	435	SUTTON	Y	WOLFCAMP	
TEXAS	TX	5	439	TARRANT	Y	BARNETT	
TEXAS	TX	7C	443	TERRELL	Y	WOLFCAMP	
TEXAS	TX	8A	445	TERRY	Y	WOLFCAMP	
TEXAS	TX	7C	451	TOM GREEN	Y	WOLFCAMP	
TEXAS	TX	7C	461	UPTON	Y	WOLFCAMP	
TEXAS	TX	3	471	WALKER	Y	EAGLE FORD	
TEXAS	TX	8	475	WARD	Y	WOLFCAMP	
TEXAS	TX	4	479	WEBB	Y	EAGLE FORD	
TEXAS	TX	1	493	WILSON	Y	EAGLE FORD	
TEXAS	TX	8	495	WINKLER	Y	WOLFCAMP	
TEXAS	TX	9	497	WISE	Y	BARNETT	
TEXAS	TX	8A	501	YOAKUM	Y	WOLFCAMP	
TEXAS	TX	1	507	ZAVALA	Y	EAGLE FORD	
WEST VIRGINIA	WV		001	BARBOUR	Y	MARCELLUS	
WEST VIRGINIA	WV		009	BROOKE	Y	MARCELLUS	UTICA
WEST VIRGINIA	WV		017	DODDRIDGE	Y	MARCELLUS	
WEST VIRGINIA	WV		021	GILMER	Y	MARCELLUS	
WEST VIRGINIA	WV		029	HANCOCK	Y	UTICA	
WEST VIRGINIA	WV		033	HARRISON	Y	MARCELLUS	
WEST VIRGINIA	WV		049	MARION	Y	MARCELLUS	
WEST VIRGINIA	WV		051	MARSHALL	Y	MARCELLUS	UTICA
WEST VIRGINIA	WV		069	OHIO	Y	UTICA	
WEST VIRGINIA	WV		085	RITCHIE	Y	MARCELLUS	
WEST VIRGINIA	WV		091	TAYLOR	Y	MARCELLUS	
WEST VIRGINIA	WV		095	TYLER	Y	UTICA	
WEST VIRGINIA	WV		097	UPSHUR	Y	MARCELLUS	
WEST VIRGINIA	WV		103	WETZEL	Y	MARCELLUS	UTICA
WYOMING	WY		015	GOSHEN	Y	NIOBRARA	
WYOMING	WY		021	LARAMIE	Y	NIOBRARA	