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DATA DICTIONARY

Column Header	Description
County	The name of the Pennsylvania county where the surface hole location of the well is located.
Municipality	The name of the Pennsylvania municipality where the surface hole location of the well is located.
Operator Name	The organization name designated as the well operator or operator on the permit application or well registration.
Farm Name	The name given to a well by the Well Operator, usually the landowner at the time of permitting, which does not change. The Farm Name and Well Number normally uniquely identify the well for the operator.
Latitude	The latitudinal value, in decimal degrees, for the well.
Longitude	The longitudinal value, in decimal degrees, for the well.
Formation Name	The name of the formation from which the unconventional well production is permitted (e.g., Marcellus, Utica, Helderberg, Mandata, Rhinestreet, Burket, Geneseo).
Horizontal	A yes or no indicator that will represent whether the well is a horizontal well, meaning a well that starts off being drilled vertically but which is eventually curved to become horizontal (or near horizontal) in order to parallel a particular geologic formation, or not. Includes intentionally deviated wells.
API	The American Petroleum Institute (API) well number or API number is a "unique, permanent, numeric identifier" assigned to each well drilled for oil and gas.
Well Permit Number	A unique number assigned by DEP to each well permit application (first 10 digits of the API number).

**PUBLIC UTILITY COMMISSION ACT 13 UNCONVENTIONAL WELLS SPUD REPORT
JANUARY 2012**

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COUNTY	MUNICIPALITY	OPERATOR NAME	FARM NAME	LATITUDE	LONGITUDE	FORMATION NAME	HORIZONTAL	API	WELL PERMIT NUMBER
Armstrong	East Franklin Twp	SNYDER BROS INC	STEVEN H SHAY 1M	40.869827	-79.588119	Marcellus	No	005-30969-00-00	005-30969
Armstrong	East Franklin Twp	SNYDER BROS INC	C H SNYDER COMPANY 4-135	40.877686	-79.516816	Marcellus	No	005-30851-00-00	005-30851
Armstrong	Kittanning Twp	EQT PRODUCTION CO	SWANK 590637	40.717063	-79.475683	Marcellus	Yes	005-30989-00-00	005-30989
Armstrong	Rayburn Twp	EXCO RESOURCES PA LLC	SCHRECENGOST PAD 8 UNIT 2H	40.825077	-79.475575	Marcellus	Yes	005-30916-00-00	005-30916
Armstrong	Rayburn Twp	EXCO RESOURCES PA LLC	SCHRECENGOST PAD 8 UNIT 1H	40.825116	-79.475525	Marcellus	Yes	005-30915-00-00	005-30915
Armstrong	Rayburn Twp	EXCO RESOURCES PA LLC	SCHRECENGOST PAD 8 UNIT 5H	40.825155	-79.475475	Marcellus	Yes	005-30917-00-00	005-30917
Beaver	Ohioville Boro	CHESAPEAKE APPALACHIA LLC	LIBERATO BEA 3H M	40.648888	-80.454111	Marcellus	Yes	007-20315-00-00	007-20315
Beaver	South Beaver Twp	CHESAPEAKE APPALACHIA LLC	POWELL BEA 6H	40.776861	-80.470583	Utica	Yes	007-20318-00-00	007-20318
Bradford	Burlington Twp	CHESAPEAKE APPALACHIA LLC	KNAPP BRA 5H	41.794525	-76.551027	Marcellus	Yes	015-22083-00-00	015-22083
Bradford	Burlington Twp	CHIEF OIL & GAS LLC	MADIGAN FARMS UNIT A 1H	41.753683	-76.567266	Marcellus	Yes	015-21987-00-00	015-21987
Bradford	Columbia Twp	TALISMAN ENERGY USA INC	HARALAMBOUS 03 074 06 G 6H	41.784572	-76.891813	Marcellus	Yes	015-21931-00-00	015-21931
Bradford	Columbia Twp	TALISMAN ENERGY USA INC	HARALAMBOUS 03 074 05 G 5H	41.784652	-76.891833	Marcellus	Yes	015-21930-00-00	015-21930
Bradford	Columbia Twp	TALISMAN ENERGY USA INC	HARALAMBOUS 03 074 04 G 4H	41.784319	-76.892422	Marcellus	Yes	015-21929-00-00	015-21929
Bradford	Columbia Twp	TALISMAN ENERGY USA INC	HARALAMBOUS 03 074 03 G 3H	41.7844	-76.892441	Marcellus	Yes	015-21928-00-00	015-21928
Bradford	Herrick Twp	SOUTHWESTERN ENERGY PROD CO	ROEHRIG SMITH GAS UNIT 1H	41.781855	-76.268427	Marcellus	Yes	015-21728-00-00	015-21728
Bradford	Herrick Twp	SOUTHWESTERN ENERGY PROD CO	ROEHRIG SMITH GAS UNIT 3H	41.781925	-76.268311	Marcellus	Yes	015-21533-00-00	015-21533
Bradford	Herrick Twp	SOUTHWESTERN ENERGY PROD CO	HOWLAND LENT 4H	41.819705	-76.248741	Marcellus	Yes	015-21999-00-00	015-21999
Bradford	Leroy Twp	CHESAPEAKE APPALACHIA LLC	ACW BRA 5H	41.669144	-76.700650	Marcellus	Yes	015-21872-00-00	015-21872
Bradford	Litchfield Twp	CHESAPEAKE APPALACHIA LLC	LKM BRA 5H	41.940866	-76.436302	Marcellus	Yes	015-22003-00-00	015-22003
Bradford	Litchfield Twp	CHESAPEAKE APPALACHIA LLC	ROSSI BRA 2H	41.995305	-76.423991	Marcellus	Yes	015-22072-00-00	015-22072
Bradford	Tuscarora Twp	CHESAPEAKE APPALACHIA LLC	STONE N BRA 2H	41.694483	-76.176508	Marcellus	Yes	015-22022-00-00	015-22022
Bradford	Tuscarora Twp	CHESAPEAKE APPALACHIA LLC	STONE S BRA 2H	41.694486	-76.176452	Marcellus	Yes	015-22023-00-00	015-22023
Bradford	Warren Twp	TALISMAN ENERGY USA INC	MILLER 05 056 02 F 2H	41.914194	-76.200427	Marcellus	Yes	015-21756-00-00	015-21756
Bradford	Warren Twp	TALISMAN ENERGY USA INC	MILLER 05 056 01 F 1H	41.914286	-76.199891	Marcellus	Yes	015-21755-00-00	015-21755
Bradford	Warren Twp	TALISMAN ENERGY USA INC	MILLER 05 056 03 F 3H	41.914113	-76.200402	Marcellus	Yes	015-21757-00-00	015-21757

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Bradford	Wilmot Twp	CHESAPEAKE APPALACHIA LLC	ALKAN S BRA 2H	41.628447	-76.271922	Marcellus	Yes	015-22087-00-00	015-22087
Bradford	Wilmot Twp	CHESAPEAKE APPALACHIA LLC	ALKAN N BRA 2H	41.628405	-76.271911	Marcellus	Yes	015-22088-00-00	015-22088
Bradford	Wilmot Twp	CHIEF OIL & GAS LLC	LUCARINO UNIT 1H	41.559536	-76.275036	Marcellus	Yes	015-21369-00-00	015-21369
Butler	Butler Twp	REX ENERGY OPERATING CORPORATION	LYNN NORTH UNIT 5H	40.821625	-79.963361	Marcellus	Yes	019-21912-00-00	019-21912
Butler	Butler Twp	REX ENERGY OPERATING CORPORATION	LYNN SOUTH UNIT 3H	40.821563	-79.963402	Marcellus	Yes	019-21910-00-00	019-21910
Butler	Butler Twp	REX ENERGY OPERATING CORPORATION	LYNN SOUTH UNIT 1H	40.821488	-79.963450	Marcellus	Yes	019-21908-00-00	019-21908
Butler	Butler Twp	REX ENERGY OPERATING CORPORATION	LYNN NORTH UNIT 2H	40.821525	-79.963425	Marcellus	Yes	019-21909-00-00	019-21909
Butler	Cherry Twp	SWEPI LP	PURYEAR J 2069 5HM	41.083038	-79.920327	Marcellus	Yes	019-21913-00-00	019-21913
Butler	Jackson Twp	REX ENERGY OPERATING CORPORATION	JRGL UNIT 3H	40.816422	-80.129602	Marcellus	Yes	019-21920-00-00	019-21920
Butler	Lancaster Twp	REX ENERGY OPERATING CORPORATION	GRUBBS UNIT 2H	40.868202	-80.137522	Utica	Yes	019-21893-00-00	019-21893
Butler	Penn Twp	REX ENERGY OPERATING CORPORATION	STEBBINS UNIT 2H	40.794938	-79.967308	Marcellus	Yes	019-21922-00-00	019-21922
Butler	Washington Twp	CHEVRON APPALACHIA LLC	HINDMAN UNIT 3H	41.037702	-79.799133	Marcellus	Yes	019-21917-00-00	019-21917
Cameron	Shippen Twp	J W OPERATING CO	PARDEE & CURTIN LUMBER CO C-20H	41.455786	-78.268222	Marcellus	Yes	023-20153-00-00	023-20153
Clearfield	Gulich Twp	CARRIZO (MARCELLUS) LLC	COWFER B 1H	40.780652	-78.382683	Marcellus	Yes	033-27067-00-00	033-27067
Clearfield	Lawrence Twp	CHEVRON APPALACHIA LLC	LYTLE UNIT 3H	40.947877	-78.464827	Marcellus	Yes	033-27093-00-00	033-27093
Clinton	Beech Creek Twp	ANADARKO E&P CO LP	C O P TRACT 653 C 1007H	41.195055	-77.687722	Marcellus	Yes	035-21264-00-00	035-21264
Clinton	Beech Creek Twp	ANADARKO E&P CO LP	COP TRACT 653 C 1006GH	41.195094	-77.687705	Marcellus	Yes	035-21273-00-00	035-21273
Fayette	Luzerne Twp	CHEVRON APPALACHIA LLC	DICARLO UNIT 13H	39.934280	-79.895722	Marcellus	Yes	051-24472-00-00	051-24472
Fayette	Luzerne Twp	CHEVRON APPALACHIA LLC	DICARLO UNIT 14H	39.934250	-79.895686	Marcellus	Yes	051-24473-00-00	051-24473
Fayette	Luzerne Twp	CHEVRON APPALACHIA LLC	DICARLO UNIT 18H	39.934125	-79.895544	Marcellus	Yes	051-24477-00-00	051-24477
Fayette	Luzerne Twp	CHEVRON APPALACHIA LLC	DICARLO UNIT 16H	39.934188	-79.895616	Marcellus	Yes	051-24475-00-00	051-24475
Fayette	Luzerne Twp	CHEVRON APPALACHIA LLC	DICARLO UNIT 17H	39.934155	-79.895580	Marcellus	Yes	051-24476-00-00	051-24476

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Fayette	Luzerne Twp	CHEVRON APPALACHIA LLC	DICARLO UNIT 15H	39.934219	-79.895652	Marcellus	Yes	051-24474-00-00	051-24474
Greene	Center Twp	ALPHA SHALE RES LP	THUNDER UNIT ONE 8H	39.826913	-80.279286	Marcellus	Yes	059-25691-00-00	059-25691
Greene	Center Twp	ALPHA SHALE RES LP	THUNDER UNIT ONE 6H	39.826752	-80.279352	Marcellus	Yes	059-25788-00-00	059-25788
Greene	Jackson Twp	ALPHA SHALE RES LP	AMIGOS 3H	39.852597	-80.341280	Marcellus	Yes	059-25828-00-00	059-25828
Greene	Jackson Twp	CHESAPEAKE APPALACHIA LLC	JAMES RICE GRE 10H	39.853361	-80.3610	Marcellus	Yes	059-25822-00-00	059-25822
Greene	Morris Twp	EQT PRODUCTION CO	SCOTTS RUN 591337	39.931911	-80.328850	Marcellus	Yes	059-25882-00-00	059-25882
Greene	Morris Twp	EQT PRODUCTION CO	SCOTTS RUN 591336	39.931894	-80.3288	Marcellus	Yes	059-25881-00-00	059-25881
Greene	Morris Twp	EQT PRODUCTION CO	SCOTTS RUN 590987	39.931866	-80.3287	Marcellus	Yes	059-25827-00-00	059-25827
Greene	Morris Twp	EQT PRODUCTION CO	SCOTTS RUN 591338	39.931925	-80.3289	Marcellus	Yes	059-25883-00-00	059-25883
Jefferson	McCalmont Twp	XTO ENERGY INC	R C WINSLOW 1H	41.040583	-78.991794	Marcellus	Yes	065-26972-00-00	065-26972
Lawrence	Little Beaver Twp	SWEPI LP	PATTERSON H 2013 6HM	40.893072	-80.411463	Marcellus	Yes	073-20354-00-00	073-20354
Lawrence	Perry Twp	SWEPI LP	TWENTIER G 2070 5H	40.920722	-80.190058	Marcellus	Yes	073-20347-00-00	073-20347
Lycoming	Anthony Twp	RANGE RESOURCES APPALACHIA LLC	SECHRIST MARK UNIT 1H	41.312894	-77.174441	Marcellus	Yes	081-20760-00-00	081-20760
Lycoming	Cogan House Twp	ANADARKO E&P CO LP	FRANK L HARTLEY A 5H	41.422630	-77.166044	Marcellus	Yes	081-20783-00-00	081-20783
Lycoming	Cogan House Twp	ANADARKO E&P CO LP	FRANK L HARTLEY A 4H	41.422630	-77.1661	Marcellus	Yes	081-20554-00-00	081-20554
Lycoming	Cogan House Twp	ANADARKO E&P CO LP	FRANK L HARTLEY A 3H	41.422630	-77.166152	Marcellus	Yes	081-20782-00-00	081-20782
Lycoming	Cogan House Twp	ANADARKO E&P CO LP	CYNTHIA M KNISPEL A-4H	41.405675	-77.220822	Marcellus	Yes	081-20560-00-00	081-20560
Lycoming	Cogan House Twp	ANADARKO E&P CO LP	CYNTHIA M KNISPEL A 5H	41.405686	-77.220875	Marcellus	Yes	081-20798-00-00	081-20798
Lycoming	Cogan House Twp	ANADARKO E&P CO LP	CYNTHIA M KNISPEL A 3H	41.405663	-77.220772	Marcellus	Yes	081-20797-00-00	081-20797
Lycoming	Cogan House Twp	ANADARKO E&P CO LP	CYNTHIA M KNISPEL A 2H	41.405652	-77.220719	Marcellus	Yes	081-20559-00-00	081-20559
Lycoming	Cogan House Twp	ANADARKO E&P CO LP	CYNTHIA M KNISPEL A 1H	41.405638	-77.220666	Marcellus	Yes	081-20796-00-00	081-20796
Lycoming	Cummings Twp	ANADARKO E&P CO LP	COP TRACT 356 G 1039H	41.334452	-77.349447	Marcellus	Yes	081-20675-00-00	081-20675
Lycoming	Cummings Twp	ANADARKO E&P CO LP	COP TRACT 356 G 1038H	41.334452	-77.349502	Marcellus	Yes	081-20674-00-00	081-20674
Lycoming	Cummings Twp	ANADARKO E&P CO LP	COP TRACT 356 G 1040H	41.334455	-77.349394	Marcellus	Yes	081-20676-00-00	081-20676
Lycoming	Cummings Twp	PA GEN ENERGY CO LLC	COP TRACT 293 PAD H 2561	41.363963	-77.378422	Marcellus	Yes	081-20818-00-00	081-20818
Lycoming	Cummings Twp	PA GEN ENERGY CO LLC	COP TRACT 729 PAD A 2436	41.302511	-77.339869	Burket	Yes	081-20722-00-00	081-20722

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Lycoming	Cummings Twp	PA GEN ENERGY CO LLC	COP TRACT 729 PAD E 2433	41.287763	-77.302433	Marcellus	Yes	081-20573-00-00	081-20573
Lycoming	Gamble Twp	ANADARKO E&P CO LP	JACK L HIPPLE A 6H	41.412450	-76.956258	Marcellus	Yes	081-20831-00-00	081-20831
Lycoming	Gamble Twp	ANADARKO E&P CO LP	CLEARVIEW HUNTING CLUB A 5H	41.409413	-76.933272	Marcellus	Yes	081-20830-00-00	081-20830
Lycoming	Penn Twp	EXCO RESOURCES PA LLC	MYERS UNIT 2H	41.298452	-76.606336	Marcellus	Yes	081-20785-00-00	081-20785
Lycoming	Penn Twp	EXCO RESOURCES PA LLC	MYERS UNIT 3H	41.298433	-76.606266	Marcellus	Yes	081-20786-00-00	081-20786
Susquehanna	Auburn Twp	CHESAPEAKE APPALACHIA LLC	TYLER SUS 4H	41.653219	-76.084466	Marcellus	Yes	115-20708-00-00	115-20708
Susquehanna	Bridgewater Twp	CARRIZO (MARCELLUS) LLC	FRYSTAK CENTRAL 5H	41.8662	-75.919641	Marcellus	Yes	115-20825-00-00	115-20825
Susquehanna	Bridgewater Twp	CARRIZO (MARCELLUS) LLC	FRYSTAK CENTRAL 6H	41.866227	-75.9196	Marcellus	Yes	115-20826-00-00	115-20826
Susquehanna	Bridgewater Twp	CARRIZO (MARCELLUS) LLC	FRYSTAK CENTRAL 4H	41.866172	-75.919680	Marcellus	Yes	115-20841-00-00	115-20841
Susquehanna	Bridgewater Twp	CARRIZO (MARCELLUS) LLC	FRYSTAK CENTRAL 1H	41.866086	-75.919802	Marcellus	Yes	115-20838-00-00	115-20838
Susquehanna	Bridgewater Twp	CARRIZO (MARCELLUS) LLC	FRYSTAK CENTRAL 3H	41.866144	-75.919722	Marcellus	Yes	115-20840-00-00	115-20840
Susquehanna	Bridgewater Twp	CARRIZO (MARCELLUS) LLC	FRYSTAK CENTRAL 2H	41.866116	-75.919761	Marcellus	Yes	115-20839-00-00	115-20839
Susquehanna	Franklin Twp	WPX ENERGY APPALACHIA LLC	MITCHELL NORTH 1 3H	41.904852	-75.838436	Marcellus	Yes	115-20691-00-00	115-20691
Susquehanna	Lenox Twp	CABOT OIL & GAS CORP	JEFFERS FARMS 6	41.732825	-75.747516	Marcellus	Yes	115-20812-00-00	115-20812
Susquehanna	Lenox Twp	CABOT OIL & GAS CORP	JEFFERS FARMS 5	41.732783	-75.747522	Marcellus	Yes	115-20800-00-00	115-20800
Susquehanna	Middletown Twp	TALISMAN ENERGY USA INC	CAMP COMFORT 07 185 02 2H	41.838188	-76.112577	Marcellus	Yes	115-20820-00-00	115-20820
Susquehanna	Middletown Twp	TALISMAN ENERGY USA INC	CAMP COMFORT 07 185 03 3H	41.838272	-76.112563	Marcellus	Yes	115-20821-00-00	115-20821
Susquehanna	Middletown Twp	TALISMAN ENERGY USA INC	CAMP COMFORT 07 185 05 5H	41.838225	-76.112941	Marcellus	Yes	115-20823-00-00	115-20823
Susquehanna	Middletown Twp	TALISMAN ENERGY USA INC	CAMP COMFORT 07 185 04 4H	41.838141	-76.112955	Marcellus	Yes	115-20822-00-00	115-20822
Susquehanna	Middletown Twp	TALISMAN ENERGY USA INC	CAMP COMFORT 07 185 06 6H	41.838308	-76.112927	Marcellus	Yes	115-20824-00-00	115-20824
Susquehanna	Middletown Twp	TALISMAN ENERGY USA INC	CAMP COMFORT 07 185 01 1H	41.838108	-76.112591	Marcellus	Yes	115-20819-00-00	115-20819
Susquehanna	New Milford Twp	SOUTHWESTERN ENERGY PROD CO	BARK EM SQUIRREL 7H	41.847741	-75.757094	Marcellus	Yes	115-20809-00-00	115-20809
Susquehanna	New Milford Twp	SOUTHWESTERN ENERGY PROD CO	LYNCOTT CORPORATION 3H	41.854891	-75.747552	Marcellus	Yes	115-20717-00-00	115-20717
Tioga	Bloss Twp	SENECA RESOURCES CORP	DCNR 595 25H 50126	41.691233	-77.112638	Marcellus	Yes	117-21416-00-00	117-21416
Tioga	Bloss Twp	SENECA RESOURCES CORP	DCNR 595 24H 50268	41.691263	-77.112577	Marcellus	Yes	117-21421-00-00	117-21421

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Tioga	Bloss Twp	SENECA RESOURCES CORP	DCNR 595 23H 50127	41.691291	-77.112513	Marcellus	Yes	117-21417-00-00	117-21417
Tioga	Bloss Twp	SENECA RESOURCES CORP	DCNR 595 22H 50129	41.691319	-77.112452	Marcellus	Yes	117-21419-00-00	117-21419
Tioga	Bloss Twp	SENECA RESOURCES CORP	DCNR 595 21H 50128	41.691350	-77.112388	Marcellus	Yes	117-21418-00-00	117-21418
Tioga	Bloss Twp	SENECA RESOURCES CORP	DCNR 595 20H 50130	41.691377	-77.112327	Marcellus	Yes	117-21420-00-00	117-21420
Tioga	Deerfield Twp	SWEPI LP	SCHEIBLE P 898 5H	41.913758	-77.433805	Marcellus	Yes	117-21415-00-00	117-21415
Tioga	Delmar Twp	SWEPI LP	BROADBENT C 466 5HB	41.645919	-77.327594	Burket	Yes	117-21414-00-00	117-21414
Tioga	Delmar Twp	SWEPI LP	BAKER W 128D 3H	41.753563	-77.338355	Marcellus	Yes	117-21399-00-00	117-21399
Tioga	Duncan Twp	EQT PRODUCTION CO	PHOENIX 590809	41.655022	-77.276294	Marcellus	Yes	117-21105-00-00	117-21105
Tioga	Duncan Twp	EQT PRODUCTION CO	PHOENIX 590806	41.654977	-77.276505	Marcellus	Yes	117-21108-00-00	117-21108
Tioga	Duncan Twp	EQT PRODUCTION CO	PHOENIX 590628	41.6550	-77.2764	Marcellus	Yes	117-20758-00-00	117-20758
Tioga	Richmond Twp	SWEPI LP	COLE R 495 6H	41.812369	-77.054472	Marcellus	Yes	117-21371-00-00	117-21371
Tioga	Union Twp	SWEPI LP	GUINDON K 706 1H	41.567122	-76.998230	Marcellus	Yes	117-21400-00-00	117-21400
Tioga	Union Twp	SWEPI LP	GUINDON K 706 2H	41.567080	-76.998227	Marcellus	Yes	117-21401-00-00	117-21401
Tioga	Union Twp	SWEPI LP	GUINDON K 706 3H	41.567041	-76.998225	Marcellus	Yes	117-21402-00-00	117-21402
Washington	Amwell Twp	RICE DRILLING B LLC	MOJO G4	40.088691	-80.212544	Geneseo	Yes	125-24631-00-00	125-24631
Washington	Cross Creek Twp	RANGE RESOURCES APPALACHIA LLC	MIDLER/FROEBE B UNIT 8H	40.299261	-80.407386	Marcellus	Yes	125-24547-00-00	125-24547
Washington	Cross Creek Twp	RANGE RESOURCES APPALACHIA LLC	MIDLER/FROEBE B UNIT 5H	40.299369	-80.4075	Marcellus	Yes	125-24545-00-00	125-24545
Washington	Cross Creek Twp	RANGE RESOURCES APPALACHIA LLC	MIDLER/FROEBE B UNIT 6H	40.299341	-80.407361	Marcellus	Yes	125-24546-00-00	125-24546
Washington	Donegal Twp	RANGE RESOURCES APPALACHIA LLC	VARNER UNIT 10H	40.172730	-80.466330	Marcellus	Yes	125-24370-00-00	125-24370
Washington	Donegal Twp	RANGE RESOURCES APPALACHIA LLC	VARNER UNIT 4H	40.172838	-80.466313	Marcellus	Yes	125-24473-00-00	125-24473
Washington	Donegal Twp	RANGE RESOURCES APPALACHIA LLC	VARNER UNIT 6H	40.172750	-80.466544	Marcellus	Yes	125-24604-00-00	125-24604
Washington	Donegal Twp	RANGE RESOURCES APPALACHIA LLC	VARNER UNIT 7H	40.172858	-80.466527	Marcellus	Yes	125-24632-00-00	125-24632

**PUBLIC UTILITY COMMISSION ACT 13 UNCONVENTIONAL WELLS SPUD REPORT
JANUARY 2012**

Note: This report has been generated specifically to meet the Act 13 requirements and may not be identical to similar reports on the DEP's Oil & Gas Management website.

COUNTY	MUNICIPALITY	OPERATOR NAME	FARM NAME	LATITUDE	LONGITUDE	FORMATION NAME	HORIZONTAL	API	WELL PERMIT NUMBER
Washington	Donegal Twp	RANGE RESOURCES APPALACHIA LLC	VARNER UNIT 8H	40.172850	-80.466419	Marcellus	Yes	125-24633-00-00	125-24633
Washington	Donegal Twp	RANGE RESOURCES APPALACHIA LLC	VARNER UNIT 9H	40.172738	-80.466436	Marcellus	Yes	125-24369-00-00	125-24369
Washington	Morris Twp	RANGE RESOURCES APPALACHIA LLC	STEN UNIT 5H	40.051288	-80.285488	Marcellus	Yes	125-24425-00-00	125-24425
Washington	Morris Twp	RANGE RESOURCES APPALACHIA LLC	STEN UNIT 9H	40.051233	-80.285286	Marcellus	Yes	125-24600-00-00	125-24600
Washington	Morris Twp	RANGE RESOURCES APPALACHIA LLC	STEN UNIT 8H	40.051336	-80.285238	Marcellus	Yes	125-24402-00-00	125-24402
Washington	Morris Twp	RANGE RESOURCES APPALACHIA LLC	STEN UNIT 7H	40.051363	-80.285338	Marcellus	Yes	125-24400-00-00	125-24400
Washington	Morris Twp	RANGE RESOURCES APPALACHIA LLC	STEN UNIT 6H	40.051391	-80.285438	Marcellus	Yes	125-24401-00-00	125-24401
Washington	South Franklin Twp	CNX GAS CO LLC	CONSOL NV38GHS	40.077788	-80.302855	Marcellus	Yes	125-24554-00-00	125-24554
Washington	South Franklin Twp	CNX GAS CO LLC	CONSOL NV38AHS	40.077872	-80.302738	Marcellus	Yes	125-24555-00-00	125-24555
Washington	South Franklin Twp	CNX GAS CO LLC	CONSOL NV38BHS	40.077819	-80.302763	Marcellus	Yes	125-24556-00-00	125-24556
Washington	South Franklin Twp	CNX GAS CO LLC	CONSOL NV38CHS	40.077769	-80.302788	Marcellus	Yes	125-24557-00-00	125-24557
Washington	South Franklin Twp	CNX GAS CO LLC	CONSOL NV38FHS	40.077838	-80.302830	Marcellus	Yes	125-24553-00-00	125-24553
Washington	South Franklin Twp	CNX GAS CO LLC	CONSOL NV38DHS	40.077716	-80.302816	Marcellus	Yes	125-24558-00-00	125-24558
Washington	South Franklin Twp	CNX GAS CO LLC	CONSOL NV38EHS	40.077891	-80.302805	Marcellus	Yes	125-24552-00-00	125-24552
Westmoreland	Cook Twp	WPX ENERGY APPALACHIA LLC	OELSCHLAGER NORTH 1-7H	40.162324	-79.344302	Marcellus	Yes	129-28720-00-00	129-28720
Westmoreland	Cook Twp	WPX ENERGY APPALACHIA LLC	OELSCHLAGER NORTH 1-5H	40.162286	-79.344322	Marcellus	Yes	129-28719-00-00	129-28719
Westmoreland	Cook Twp	WPX ENERGY APPALACHIA LLC	OELSCHLAGER NORTH 1-1H	40.162209	-79.344363	Marcellus	Yes	129-28717-00-00	129-28717
Westmoreland	Cook Twp	WPX ENERGY APPALACHIA LLC	OELSCHLAGER NORTH 1-3H	40.162248	-79.344342	Marcellus	Yes	129-28718-00-00	129-28718
Westmoreland	Derry Twp	WPX ENERGY APPALACHIA LLC	GERA 1-5H	40.331011	-79.335944	Marcellus	Yes	129-28734-00-00	129-28734
Westmoreland	Derry Twp	WPX ENERGY APPALACHIA LLC	GERA 1-7H	40.331019	-79.335894	Marcellus	Yes	129-28735-00-00	129-28735
Westmoreland	Donegal Twp	WPX ENERGY APPALACHIA LLC	RIAL 1-7H	40.149102	-79.350402	Marcellus	Yes	129-28619-00-00	129-28619
Westmoreland	Loyalhanna Twp	XTO ENERGY INC	DEVINNEY UNIT 1H	40.452133	-79.420519	Marcellus	Yes	129-28697-00-00	129-28697
Westmoreland	Salem Twp	CHEVRON APPALACHIA LLC	FRYE UNIT 15H	40.365466	-79.480550	Marcellus	Yes	129-28727-00-00	129-28727

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COUNTY	MUNICIPALITY	OPERATOR NAME	FARM NAME	LATITUDE	LONGITUDE	FORMATION NAME	HORIZONTAL	API	WELL PERMIT NUMBER
Westmoreland	Salem Twp	CHEVRON APPALACHIA LLC	FRYE UNIT 13H	40.365386	-79.480575	Marcellus	Yes	129-28725-00-00	129-28725
Westmoreland	Salem Twp	CHEVRON APPALACHIA LLC	FRYE UNIT 14H	40.365425	-79.480563	Marcellus	Yes	129-28726-00-00	129-28726
Wyoming	Tunkhannock Twp	CITRUS ENERGY CORP	MCCONNELL UNIT MCCONNELL 1 2H	41.571829	-75.972157	Marcellus	Yes	131-20236-00-00	131-20236
Wyoming	Tunkhannock Twp	CITRUS ENERGY CORP	FRANCIS UNIT MCCONNELL 1 FRANCIS 1H	41.571810	-75.972201	Marcellus	Yes	131-20227-00-00	131-20227
Wyoming	Windham Twp	CHESAPEAKE APPALACHIA LLC	ADAMS WYO 5H	41.587277	-76.202877	Marcellus	Yes	131-20226-00-00	131-20226