Ohio Department of Natural Resources - Division of Oil and Gas Resources Management

## UTICA/POINT PLEASANT SHALE WELLS

Updated 01/24/2015

| Permit Issued | County | Township | API # | Status | Operator | Well Name & Number | Surface Lat | Surface Long | Endpoint Lat | Endpoint Long |
|---|---|---|---|---|---|---|---|---|---|---|
| 11/02/2011 | ASHLAND | CLEAR CREEK | 34005241600100 | Drilled | DEVON ENERGY PRODUCTION CO | EICHELBERGER DAVID 1H | 40.9466508 | -82.4034777 | 40.9466509 | -82.4036587 |
| 06/07/2013 | ASHTABULA | WAYNE | 34007245510100 | Permitted | BEUSA ENERGY LLC | MAGYAR 9 1H | 41.5204837 | -80.6934257 | 41.5005237 | -80.6788228 |
| 04/09/2012 | BELMONT | MEAD | 34013206530000 | Producing | XTO ENERGY INC. | KALDOR 2H | 39.9760613 | -80.8381833 | 39.9698310 | -80.8196450 |
| 04/09/2012 | BELMONT | MEAD | 34013206540100 | Producing | XTO ENERGY INC. | KALDOR 1H | 39.9760339 | -80.8381875 | 39.9667858 | -80.8196294 |
| 06/15/2012 | BELMONT | KIRKWOOD | 34013206570100 | Producing | GULFPORT ENERGY CORPORATION | SHUGERT 1-1H | 40.0431192 | -81.1231952 | 40.0574876 | -81.1320239 |
| 06/21/2012 | BELMONT | WARREN | 34013206580100 | Producing | GULFPORT ENERGY CORPORATION | SHUGERT 1-12H | 40.0326937 | -81.1457695 | 40.0538862 | -81.1556195 |
| 03/21/2012 | BELMONT | WHEELING | 34013206600100 | Producing | AMERICAN ENERGY UTICA LLC | CAPSTONE HOLDINGS 2H-9 | 40.1498040 | -81.0174046 | 40.1357399 | -81.0091857 |
| 03/07/2013 | BELMONT | RICHLAND | 34013206610000 | Producing | AMERICAN ENERGY UTICA LLC | PORTERFIELD GAS UNIT C 1H-17 | 40.0889823 | -80.9331631 | 40.1041411 | -80.9390199 |
| 06/05/2014 | BELMONT | RICHLAND | 34013206620000 | Drilling | XTO ENERGY INC. | COOK UNIT 1H | 40.0003036 | -80.8906802 | 39.9886712 | -80.8682598 |
| 08/16/2012 | BELMONT | SOMERSET | 34013206650100 | Permitted | GULFPORT ENERGY CORPORATION | STUTZMAN 1-14H | 39.8905262 | -81.1714758 | 39.8693232 | -81.1571086 |
| 07/28/2014 | BELMONT | UNION | 34013206680100 | Permitted | AMERICAN ENERGY UTICA LLC | BEDWAY N UNN BL 1H | 40.0758974 | -81.0237230 | 40.0867606 | -81.0412735 |
| 09/07/2012 | BELMONT | SOMERSET | 34013206700100 | Producing | GULFPORT ENERGY CORPORATION | STUTZMAN 1-14H | 39.8905635 | -81.1708906 | 39.8693232 | -81.1571086 |
| 12/11/2012 | BELMONT | SOMERSET | 34013206720000 | Producing | GULFPORT ENERGY CORPORATION | MCCORT 1-28H | 39.9196305 | -81.2152106 | 39.9377172 | -81.2279972 |
| 10/12/2012 | BELMONT | WHEELING | 34013206730000 | Producing | AMERICAN ENERGY UTICA LLC | CAPSTONE HOLDINGS 3H-9 | 40.1498385 | -81.0173109 | 40.1365086 | -81.0055065 |
| 06/12/2013 | BELMONT | SOMERSET | 34013206740000 | Producing | GULFPORT ENERGY CORPORATION | BOLTON 1-29H | 39.9384901 | -81.2075293 | 39.9151260 | -81.1988614 |
| 01/09/2013 | BELMONT | WASHINGTON | 34013206750100 | Producing | GULFPORT ENERGY CORPORATION | IRONS 1-4H | 39.9098242 | -80.9061902 | 39.8947274 | -80.8928416 |
| 02/06/2013 | BELMONT | SOMERSET | 34013206770000 | Producing | GULFPORT ENERGY CORPORATION | MCCORT 2-28H | 39.9196658 | -81.2151814 | 39.9435409 | -81.2290605 |
| 01/03/2013 | BELMONT | RICHLAND | 34013206790000 | Producing | AMERICAN ENERGY UTICA LLC | LUDE # 1H-34 1H-34 | 40.0769680 | -80.9974976 | 40.0917421 | -81.0051022 |
| 01/11/2013 | BELMONT | WASHINGTON | 34013206800000 | Producing | GULFPORT ENERGY CORPORATION | IRONS 2-4H | 39.9098623 | -80.9061679 | 39.8921480 | -80.8953606 |
| 02/08/2013 | BELMONT | UNION | 34013206810000 | Producing | GULFPORT ENERGY CORPORATION | EAGLE CREEK 1-26H | 40.0665674 | -81.0969212 | 40.0870810 | -81.1126436 |
| 11/26/2013 | BELMONT | SOMERSET | 34013206820000 | Producing | GULFPORT ENERGY CORPORATION | MCCORT 3-28H | 39.9197121 | -81.2151449 | 39.9359835 | -81.2324370 |
| 06/17/2013 | BELMONT | SOMERSET | 34013206830000 | Producing | GULFPORT ENERGY CORPORATION | INHERST 2-14H | 39.8893900 | -81.1768506 | 39.8671664 | -81.1629790 |
| 06/17/2013 | BELMONT | SOMERSET | 34013206840000 | Producing | GULFPORT ENERGY CORPORATION | INHERST 1-14H | 39.8893894 | -81.1767971 | 39.8671956 | -81.1600142 |
| 04/04/2013 | BELMONT | UNION | 34013206850000 | Producing | GULFPORT ENERGY CORPORATION | EAGLE CREEK 2-26H | 40.0665762 | -81.0969746 | 40.0868309 | -81.1179777 |
| 04/04/2013 | BELMONT | UNION | 34013206860000 | Permitted | GULFPORT ENERGY CORPORATION | EAGLE CREEK 4-26H | 40.0665912 | -81.0970779 | 40.0868255 | -81.1179850 |
| 04/04/2013 | BELMONT | UNION | 34013206870000 | Producing | GULFPORT ENERGY CORPORATION | EAGLE CREEK 3-26H | 40.0665824 | -81.0970280 | 40.0871007 | -81.1098982 |
| 07/03/2013 | BELMONT | KIRKWOOD | 34013206880000 | Producing | GULFPORT ENERGY CORPORATION | SHUGERT 3-1H | 40.0431744 | -81.1232191 | 40.0573130 | -81.1271793 |
| 07/03/2013 | BELMONT | KIRKWOOD | 34013206890000 | Producing | GULFPORT ENERGY CORPORATION | SHUGERT 2-1H | 40.0430695 | -81.1231712 | 40.0563814 | -81.1346394 |
| 07/08/2013 | BELMONT | WARREN | 34013206900000 | Producing | GULFPORT ENERGY CORPORATION | SHUGERT 3-12H | 40.0327371 | -81.1457222 | 40.0571179 | -81.1647993 |
| 07/08/2013 | BELMONT | WARREN | 34013206910000 | Producing | GULFPORT ENERGY CORPORATION | SHUGERT 2-12H | 40.0326530 | -81.1458131 | 40.0566624 | -81.1616856 |
| 06/17/2013 | BELMONT | SOMERSET | 34013206930000 | Producing | GULFPORT ENERGY CORPORATION | INHERST 3-14H | 39.8893906 | -81.1769040 | 39.8674888 | -81.1659763 |
| 05/28/2013 | BELMONT | SOMERSET | 34013206940000 | Permitted | GULFPORT ENERGY CORPORATION | MCCORT 6-28H | 39.9198291 | -81.2150501 | 39.9359256 | -81.2324202 |
| 05/28/2013 | BELMONT | SOMERSET | 34013206950000 | Permitted | GULFPORT ENERGY CORPORATION | MCCORT 5-28H | 39.9197938 | -81.2150792 | 39.9361490 | -81.2297200 |
| 05/28/2013 | BELMONT | SOMERSET | 34013206960000 | Producing | GULFPORT ENERGY CORPORATION | MCCORT 4-28H | 39.9197475 | -81.2151158 | 39.9459637 | -81.2256313 |
| 07/08/2013 | BELMONT | WARREN | 34013206970000 | Producing | GULFPORT ENERGY CORPORATION | SHUGERT 4-12H | 40.0326205 | -81.1458495 | 40.0554969 | -81.1661416 |
| 07/26/2013 | BELMONT | SOMERSET | 34013206980000 | Drilled | GULFPORT ENERGY CORPORATION | STUTZMAN 2-14H | 39.8904563 | -81.1708783 | 39.8691912 | -81.1542216 |
| 07/29/2013 | BELMONT | SOMERSET | 34013206990000 | Producing | GULFPORT ENERGY CORPORATION | STUTZMAN 3-14H | 39.8904013 | -81.1708687 | 39.8669322 | -81.1497404 |
| 06/21/2013 | BELMONT | COLERAIN | 34013207000100 | Permitted | HESS OHIO RESOURCES LLC | COLERAIN A 1H-9 | 40.1425963 | -80.7908584 | 40.1662811 | -80.7984008 |
| 06/12/2013 | BELMONT | SOMERSET | 34013207010000 | Permitted | GULFPORT ENERGY CORPORATION | BOLTON 5-29H | 39.9383866 | -81.2073601 | 39.9188701 | -81.1899133 |
| 06/12/2013 | BELMONT | SOMERSET | 34013207020000 | Drilling | GULFPORT ENERGY CORPORATION | BOLTON 4-29H | 39.9384118 | -81.2074024 | 39.9179148 | -81.1921383 |
| 06/12/2013 | BELMONT | SOMERSET | 34013207030000 | Producing | GULFPORT ENERGY CORPORATION | BOLTON # 3-29H 3-29H | 39.9384397 | -81.2074447 | 39.9169594 | -81.1943597 |
| 06/12/2013 | BELMONT | SOMERSET | 34013207040000 | Producing | GULFPORT ENERGY CORPORATION | BOLTON 2-29H | 39.9384649 | -81.2074870 | 39.9160595 | -81.1966370 |
| 07/10/2013 | BELMONT | KIRKWOOD | 34013207050000 | Producing | HESS OHIO DEVELOPMENTS LLC | KIRKWOOD A 3H-33 | 40.0784438 | -81.2248484 | 40.0609333 | -81.2099574 |
| 07/03/2013 | BELMONT | KIRKWOOD | 34013207060000 | Producing | GULFPORT ENERGY CORPORATION | SHUGERT 4-1H | 40.0430198 | -81.1231472 | 40.0538314 | -81.1363329 |
| 07/03/2013 | BELMONT | UNION | 34013207070000 | Producing | GULFPORT ENERGY CORPORATION | FAMILY 3-32H | 40.0566493 | -81.1039347 | 40.0391042 | -81.0927474 |
| 07/03/2013 | BELMONT | UNION | 34013207080000 | Producing | GULFPORT ENERGY CORPORATION | FAMILY 2-32H | 40.0566680 | -81.1038879 | 40.0389493 | -81.0896717 |
| 07/03/2013 | BELMONT | UNION | 34013207090000 | Producing | GULFPORT ENERGY CORPORATION | FAMILY 1-32H | 40.0566866 | -81.1038375 | 40.0389957 | -81.0866848 |
| 07/03/2013 | BELMONT | UNION | 34013207100000 | Permitted | GULFPORT ENERGY CORPORATION | FAMILY 4-32H | 40.0566334 | -81.1039815 | 40.0392771 | -81.0959549 |
| 07/23/2013 | BELMONT | KIRKWOOD | 34013207110000 | Producing | HESS OHIO DEVELOPMENTS LLC | KIRKWOOD A 1H-33 | 40.0783822 | -81.2249889 | 40.0607937 | -81.2190277 |
| 07/23/2013 | BELMONT | KIRKWOOD | 34013207120000 | Producing | HESS OHIO DEVELOPMENTS LLC | KIRKWOOD A 2H-33 | 40.0784116 | -81.2249205 | 40.0606549 | -81.2143678 |
| 07/29/2013 | BELMONT | KIRKWOOD | 34013207130000 | Producing | HESS OHIO DEVELOPMENTS LLC | KIRKWOOD A 4H-33 | 40.0784704 | -81.2247765 | 40.0677700 | -81.2105234 |
| 10/09/2013 | BELMONT | SMITH | 34013207140000 | Drilled | RICE DRILLING D LLC | BIGFOOT 7H | 40.0251952 | -80.9799201 | 40.0511227 | -80.9999114 |
| 10/18/2013 | BELMONT | SMITH | 34013207150000 | Producing | RICE DRILLING D LLC | BIGFOOT 9H | 40.0252466 | -80.9798618 | 40.0449950 | -80.9932747 |
| 10/22/2013 | BELMONT | SOMERSET | 34013207160000 | Producing | GULFPORT ENERGY CORPORATION | WESLEY 2-8H | 39.8925888 | -81.1587515 | 39.8649497 | -81.1435476 |
| 10/22/2013 | BELMONT | SOMERSET | 34013207170000 | Producing | GULFPORT ENERGY CORPORATION | WESLEY 1-8H | 39.8925502 | -81.1587380 | 39.8647602 | -81.1395183 |
| 11/12/2013 | BELMONT | WARREN | 34013207190000 | Drilled | HESS OHIO DEVELOPMENTS LLC | WARREN BEL A 2H-21 | 39.9847689 | -81.1959545 | 40.0030456 | -81.2229488 |
| 11/05/2013 | BELMONT | SMITH | 34013207210000 | Producing | RICE DRILLING D LLC | BLUE THUNDER 10H | 40.0244577 | -81.0039479 | 40.0008168 | -80.9904992 |
| 11/05/2013 | BELMONT | SMITH | 34013207220000 | Producing | RICE DRILLING D LLC | BLUE THUNDER 12H | 40.0244566 | -81.0038587 | 40.0015053 | -80.9889564 |
| 11/12/2013 | BELMONT | WARREN | 34013207250000 | Drilled | HESS OHIO DEVELOPMENTS LLC | WARREN BEL A 1H-21 | 39.9847419 | -81.1959942 | 40.0011195 | -81.2245691 |
| 11/12/2013 | BELMONT | WARREN | 34013207260000 | Drilling | HESS OHIO DEVELOPMENTS LLC | WARREN BEL A 3H-21 | 39.9847987 | -81.1959146 | 40.0046260 | -81.2208385 |
| 11/12/2013 | BELMONT | WARREN | 34013207270000 | Drilled | HESS OHIO DEVELOPMENTS LLC | WARREN BEL A 4H-21 | 39.9848257 | -81.1958785 | 40.0062113 | -81.2186887 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 11/12/2013 | BELMONT | WARREN | 34013207280000 | Drilled | HESS OHIO DEVELOPMENTS LLC | WARREN BEL A 5H-21 | 39.9848555 | -81.1958386 | 40.0061355 | -81.2145097 |
| 02/19/2014 | BELMONT | SMITH | 34013207290000 | Drilled | AMERICAN ENERGY UTICA LLC | SMITH A 1H-12 | 40.0200755 | -80.9278409 | 40.0013816 | -80.9083298 |
| 12/05/2013 | BELMONT | WHEELING | 34013207300000 | Drilled | AMERICAN ENERGY UTICA LLC | WHEELING A 5H-9 | 40.1498730 | -81.0172135 | 40.1641998 | -81.0258596 |
| 04/15/2014 | BELMONT | WAYNE | 34013207310000 | Drilled | GULFPORT ENERGY CORPORATION | PERKINS 4-4H | 39.9112391 | -81.0173790 | 39.9306237 | -81.0213449 |
| 04/15/2014 | BELMONT | WAYNE | 34013207320000 | Drilled | GULFPORT ENERGY CORPORATION | PERKINS 3-4H | 39.9112411 | -81.0173255 | 39.9293908 | -81.0243880 |
| 04/15/2014 | BELMONT | WAYNE | 34013207330000 | Drilled | GULFPORT ENERGY CORPORATION | PERKINS 2-4H | 39.9112432 | -81.0172720 | 39.9280313 | -81.0274053 |
| 12/12/2013 | BELMONT | WAYNE | 34013207340000 | Drilled | GULFPORT ENERGY CORPORATION | PERKINS 1-4H | 39.9112453 | -81.0172185 | 39.9258859 | -81.0299504 |
| 12/16/2013 | BELMONT | RICHLAND | 34013207350000 | Drilled | AMERICAN ENERGY UTICA LLC | RICHLAND B 2H-34 | 40.0769387 | -80.9975698 | 40.0908759 | -81.0088812 |
| 12/31/2013 | BELMONT | SOMERSET | 34013207370000 | Producing | GULFPORT ENERGY CORPORATION | AMANDA 1-14H | 39.8894268 | -81.1701603 | 39.9119184 | -81.1813418 |
| 12/31/2013 | BELMONT | SOMERSET | 34013207380000 | Permitted | GULFPORT ENERGY CORPORATION | AMANDA 2-14H | 39.8894081 | -81.1702070 | 39.9119990 | -81.1858323 |
| 12/31/2013 | BELMONT | SOMERSET | 34013207390000 | Permitted | GULFPORT ENERGY CORPORATION | AMANDA 3-14H | 39.8893895 | -81.1702572 | 39.9149939 | -81.1924214 |
| 12/31/2013 | BELMONT | SOMERSET | 34013207400000 | Producing | GULFPORT ENERGY CORPORATION | AMANDA 4-14H | 39.8893736 | -81.1703038 | 39.9135033 | -81.1958899 |
| 01/24/2014 | BELMONT | SOMERSET | 34013207410000 | Drilled | GULFPORT ENERGY CORPORATION | BAHMER 3-30H | 39.9485676 | -81.2046845 | 39.9356650 | -81.1894684 |
| 01/24/2014 | BELMONT | SOMERSET | 34013207420000 | Drilled | GULFPORT ENERGY CORPORATION | BAHMER 2-30H | 39.9485265 | -81.2046924 | 39.9341951 | -81.1925738 |
| 01/24/2014 | BELMONT | SOMERSET | 34013207430000 | Drilled | GULFPORT ENERGY CORPORATION | BAHMER 1-30H | 39.9484882 | -81.2047002 | 39.9329961 | -81.1958559 |
| 07/23/2014 | BELMONT | SMITH | 34013207460000 | Drilled | RICE DRILLING D LLC | GOLD DIGGER 1H | 40.0150184 | -80.9460083 | 40.0376273 | -80.9632822 |
| 07/23/2014 | BELMONT | SMITH | 34013207470000 | Permitted | RICE DRILLING D LLC | GOLD DIGGER 3H | 40.0150448 | -80.9459256 | 40.0382156 | -80.9616619 |
| 02/10/2014 | BELMONT | KIRKWOOD | 34013207480000 | Producing | GULFPORT ENERGY CORPORATION | HAYES 3-1H | 40.0447989 | -81.1205758 | 40.0254148 | -81.1113871 |
| 02/10/2014 | BELMONT | KIRKWOOD | 34013207490000 | Producing | GULFPORT ENERGY CORPORATION | HAYES 1-1H | 40.0448059 | -81.1204685 | 40.0280868 | -81.1056448 |
| 02/10/2014 | BELMONT | KIRKWOOD | 34013207500000 | Producing | GULFPORT ENERGY CORPORATION | HAYES 2-1H | 40.0448010 | -81.1205221 | 40.0266647 | -81.1084267 |
| 02/10/2014 | BELMONT | KIRKWOOD | 34013207510000 | Producing | GULFPORT ENERGY CORPORATION | HAYES 4-1H | 40.0447968 | -81.1206294 | 40.0241676 | -81.1143438 |
| 03/13/2014 | BELMONT | SOMERSET | 34013207520000 | Drilled | GULFPORT ENERGY CORPORATION | BROTHERS 1-36H | 39.9504961 | -81.2197945 | 39.9394956 | -81.2088338 |
| 04/21/2014 | BELMONT | SOMERSET | 34013207530000 | Drilled | GULFPORT ENERGY CORPORATION | BROTHERS 2-36H | 39.9505356 | -81.2196403 | 39.9382213 | -81.2117963 |
| 03/13/2014 | BELMONT | SOMERSET | 34013207540000 | Drilled | GULFPORT ENERGY CORPORATION | BROTHERS 3-36H | 39.9505224 | -81.2196905 | 39.9369470 | -81.2147622 |
| 06/05/2014 | BELMONT | SOMERSET | 34013207550000 | Permitted | GULFPORT ENERGY CORPORATION | BROTHERS 4-36H | 39.9505460 | -81.2195902 | 39.9407697 | -81.2058677 |
| 02/26/2014 | BELMONT | SOMERSET | 34013207570100 | Producing | GULFPORT ENERGY CORPORATION | DUVALL 1-5H | 39.9278298 | -81.1254857 | 39.9062671 | -81.1111176 |
| 02/26/2014 | BELMONT | SOMERSET | 34013207580000 | Producing | GULFPORT ENERGY CORPORATION | DUVALL 2-5H | 39.9278710 | -81.1254849 | 39.9064012 | -81.1154927 |
| 02/26/2014 | BELMONT | SOMERSET | 34013207590000 | Producing | GULFPORT ENERGY CORPORATION | DUVALL 3-5H | 39.9279121 | -81.1254805 | 39.9091990 | -81.1217863 |
| 03/11/2014 | BELMONT | UNION | 34013207610000 | Producing | GULFPORT ENERGY CORPORATION | TRIPLE B 1-21H | 40.0686075 | -81.0743649 | 40.0874951 | -81.0826870 |
| 03/11/2014 | BELMONT | UNION | 34013207620000 | Producing | GULFPORT ENERGY CORPORATION | TRIPLE B 2-21H | 40.0686082 | -81.0744184 | 40.0840585 | -81.0893585 |
| 05/13/2014 | BELMONT | UNION | 34013207630000 | Producing | GULFPORT ENERGY CORPORATION | TRIPLE B 3-21H | 40.0686095 | -81.0745256 | 40.0870744 | -81.0869668 |
| 04/15/2014 | BELMONT | UNION | 34013207640000 | Producing | GULFPORT ENERGY CORPORATION | SANDRA 1-31H | 40.0408487 | -81.1085101 | 40.0550083 | -81.1116451 |
| 04/15/2014 | BELMONT | UNION | 34013207650000 | Producing | GULFPORT ENERGY CORPORATION | SANDRA 2-31H | 40.0408074 | -81.1085003 | 40.0543789 | -81.1160054 |
| 04/03/2014 | BELMONT | RICHLAND | 34013207670000 | Drilled | XTO ENERGY INC. | COOK UNIT 2H | 40.0003096 | -80.8907157 | 39.9920821 | -80.8685224 |
| 04/07/2014 | BELMONT | YORK | 34013207680000 | Drilled | XTO ENERGY INC. | SCHNEGG UNIT B 3H | 39.8640645 | -80.8616121 | 39.8540746 | -80.8502019 |
| 07/03/2014 | BELMONT | YORK | 34013207690000 | Drilled | XTO ENERGY INC. | SCHNEGG UNIT C 5H | 39.8640749 | -80.8615656 | 39.8548258 | -80.8442811 |
| 04/08/2014 | BELMONT | YORK | 34013207700000 | Permitted | XTO ENERGY INC. | KASETA UNIT 7H | 39.9155692 | -80.8748638 | 39.9005998 | -80.8565592 |
| 04/08/2014 | BELMONT | YORK | 34013207710000 | Drilled | XTO ENERGY INC. | KASETA UNIT 3H | 39.9154892 | -80.8748372 | 39.8966988 | -80.8654452 |
| 04/08/2014 | BELMONT | YORK | 34013207720000 | Producing | XTO ENERGY INC. | KASETA UNIT 1H | 39.9155168 | -80.8748472 | 39.8982328 | -80.8626252 |
| 04/08/2014 | BELMONT | YORK | 34013207730000 | Permitted | XTO ENERGY INC. | KASETA UNIT 5H | 39.9155443 | -80.8748537 | 39.8993956 | -80.8595820 |
| 04/11/2014 | BELMONT | MEAD | 34013207740000 | Permitted | XTO ENERGY INC. | KALDOR UNIT B 9H | 39.9761434 | -80.8381635 | 39.9899089 | -80.8652611 |
| 04/11/2014 | BELMONT | MEAD | 34013207750000 | Drilling | XTO ENERGY INC. | KALDOR UNIT B 7H | 39.9760886 | -80.8381755 | 39.9825934 | -80.8636059 |
| 04/23/2014 | BELMONT | MEAD | 34013207760000 | Permitted | XTO ENERGY INC. | KALDOR UNIT B 8H | 39.9761160 | -80.8381677 | 39.9856350 | -80.8627776 |
| 09/17/2014 | BELMONT | SMITH | 34013207770000 | Drilled | RICE DRILLING D LLC | SON-UVA DIGGER 5H | 40.0119400 | -80.9528217 | 40.0365250 | -80.9686427 |
| 09/17/2014 | BELMONT | SMITH | 34013207780000 | Permitted | RICE DRILLING D LLC | SON-UVA DIGGER 3H | 40.0119412 | -80.9529110 | 40.0355065 | -80.9709688 |
| 09/17/2014 | BELMONT | SMITH | 34013207790000 | Drilling | RICE DRILLING D LLC | SON-UVA DIGGER 1H | 40.0119424 | -80.9530002 | 40.0344852 | -80.9732950 |
| 05/02/2014 | BELMONT | WASHINGTON | 34013207800000 | Drilled | GULFPORT ENERGY CORPORATION | LORNA 1C | 39.9133311 | -81.0046098 | 39.8991802 | -80.9853729 |
| 05/06/2014 | BELMONT | UNION | 34013207810000 | Permitted | GULFPORT ENERGY CORPORATION | SANDRA 3-31H | 40.0407688 | -81.1084903 | 40.0561826 | -81.1213748 |
| 06/20/2014 | BELMONT | WASHINGTON | 34013207820000 | Drilled | GULFPORT ENERGY CORPORATION | LORNA 2A | 39.9132711 | -81.0046467 | 39.8943125 | -80.9919946 |
| 05/22/2014 | BELMONT | KIRKWOOD | 34013207830000 | Drilled | GULFPORT ENERGY CORPORATION | SWALLIE 210041 1C | 40.0389596 | -81.1389539 | 40.0565486 | -81.1462399 |
| 05/22/2014 | BELMONT | KIRKWOOD | 34013207840000 | Drilled | GULFPORT ENERGY CORPORATION | SWALLIE 210041 2B | 40.0389602 | -81.1390074 | 40.0551703 | -81.1493356 |
| 06/10/2014 | BELMONT | WASHINGTON | 34013207850000 | Permitted | XTO ENERGY INC. | PAVICH UNIT 1H | 39.8625496 | -80.9218697 | 39.8474461 | -80.9133856 |
| 06/05/2014 | BELMONT | RICHLAND | 34013207870000 | Permitted | XTO ENERGY INC. | COOK UNIT 5H | 40.0002976 | -80.8906482 | 39.9905162 | -80.8684592 |
| 06/10/2014 | BELMONT | WASHINGTON | 34013207880000 | Permitted | XTO ENERGY INC. | PAVICH UNIT 7H | 39.8626034 | -80.9217866 | 39.8522579 | -80.9068032 |
| 06/10/2014 | BELMONT | WASHINGTON | 34013207890000 | Permitted | XTO ENERGY INC. | PAVICH UNIT 5H | 39.8625873 | -80.9218154 | 39.8489399 | -80.9071214 |
| 06/10/2014 | BELMONT | WASHINGTON | 34013207900000 | Permitted | XTO ENERGY INC. | PAVICH UNIT 3H | 39.8625684 | -80.9218408 | 39.8475539 | -80.9087810 |
| 06/12/2014 | BELMONT | WAYNE | 34013207910000 | Permitted | GULFPORT ENERGY CORPORATION | STRONZ 210170 6A | 39.9319861 | -81.1230998 | 39.9508839 | -81.1391236 |
| 06/12/2014 | BELMONT | WAYNE | 34013207920000 | Permitted | GULFPORT ENERGY CORPORATION | STRONZ 210170 1C | 39.9320462 | -81.1228418 | 39.9535222 | -81.1329719 |
| 06/12/2014 | BELMONT | WAYNE | 34013207930000 | Permitted | GULFPORT ENERGY CORPORATION | STRONZ 210170 3B | 39.9320227 | -81.1229457 | 39.9522017 | -81.1360478 |
| 06/12/2014 | BELMONT | WAYNE | 34013207940000 | Permitted | GULFPORT ENERGY CORPORATION | STRONZ 210233 4B | 39.9320123 | -81.1229958 | 39.9146917 | -81.1088993 |
| 06/12/2014 | BELMONT | WAYNE | 34013207950000 | Permitted | GULFPORT ENERGY CORPORATION | STRONZ 210233 5A | 39.9319992 | -81.1230496 | 39.9133358 | -81.1119498 |
| 06/12/2014 | BELMONT | WAYNE | 34013207960000 | Permitted | GULFPORT ENERGY CORPORATION | STRONZ 210233 2C | 39.9320358 | -81.1228955 | 39.9160475 | -81.1058558 |
| 11/07/2014 | BELMONT | SMITH | 34013207970000 | Drilling | RICE DRILLING D LLC | MOHAWK WARRIOR 12H | 39.9668378 | -80.9988482 | 39.9394925 | -80.9700102 |
| 11/07/2014 | BELMONT | SMITH | 34013207980000 | Drilling | RICE DRILLING D LLC | MOHAWK WARRIOR 10H | 39.9668031 | -80.9989239 | 39.9384934 | -80.9723469 |
| 11/07/2014 | BELMONT | SMITH | 34013207990000 | Drilling | RICE DRILLING D LLC | MOHAWK WARRIOR 8H | 39.9667656 | -80.9989996 | 39.9374942 | -80.9746871 |
| 06/20/2014 | BELMONT | WASHINGTON | 34013208000000 | Permitted | GULFPORT ENERGY CORPORATION | LEPLEY 201218 3E | 39.8786670 | -80.9749650 | 39.8566516 | -80.9591813 |
| 06/20/2014 | BELMONT | WASHINGTON | 34013208010000 | Permitted | GULFPORT ENERGY CORPORATION | LEPLEY 210218 5D | 39.8787417 | -80.9750061 | 39.8568629 | -80.9637758 |
| 06/20/2014 | BELMONT | WASHINGTON | 34013208020000 | Permitted | GULFPORT ENERGY CORPORATION | LEPLEY 210218 1F | 39.8785896 | -80.9749239 | 39.8563818 | -80.9545454 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 09/03/2014 | BELMONT | WASHINGTON | 34013208030000 | Drilling | GULFPORT ENERGY CORPORATION | LEPLEY 210218 2C | 39.8786283 | -80.9749444 | 39.8963201 | -80.9833108 |
| 06/20/2014 | BELMONT | WASHINGTON | 34013208040000 | Permitted | GULFPORT ENERGY CORPORATION | LEPLEY 210218 6A | 39.8787804 | -80.9750266 | 39.8934816 | -80.9901556 |
| 06/20/2014 | BELMONT | WASHINGTON | 34013208050000 | Permitted | GULFPORT ENERGY CORPORATION | LEPLEY 210218 4B | 39.8787057 | -80.9749855 | 39.8949341 | -80.9867557 |
| 06/26/2014 | BELMONT | YORK | 34013208060000 | Permitted | XTO ENERGY INC. | KASETA UNIT B 4H | 39.9156216 | -80.8748840 | 39.9307181 | -80.8854689 |
| 11/07/2014 | BELMONT | YORK | 34013208070000 | Permitted | XTO ENERGY INC. | KASETA UNIT B 2H | 39.9155416 | -80.8748538 | 39.9328852 | -80.8827402 |
| 06/26/2014 | BELMONT | YORK | 34013208080000 | Permitted | XTO ENERGY INC. | KASETA UNIT B 8H | 39.9156740 | -80.8749006 | 39.9350249 | -80.8760388 |
| 06/26/2014 | BELMONT | YORK | 34013208090000 | Permitted | XTO ENERGY INC. | KASETA UNIT B 6H | 39.9156492 | -80.8748905 | 39.9339094 | -80.8793639 |
| 07/28/2014 | BELMONT | UNION | 34013208100000 | Permitted | AMERICAN ENERGY UTICA LLC | BEDWAY N UNN BL 5H | 40.0760074 | -81.0237349 | 40.0928896 | -81.0384994 |
| 07/28/2014 | BELMONT | UNION | 34013208110000 | Permitted | AMERICAN ENERGY UTICA LLC | BEDWAY N UNN BL 3H | 40.0759524 | -81.0237290 | 40.0899776 | -81.0401192 |
| 07/09/2014 | BELMONT | MEAD | 34013208120000 | Drilling | XTO ENERGY INC. | ALBRIGHT UNIT 2H | 39.9544679 | -80.8295704 | 39.9540160 | -80.8463165 |
| 07/09/2014 | BELMONT | MEAD | 34013208130000 | Drilled | XTO ENERGY INC. | ALBRIGHT UNIT 4H | 39.9544314 | -80.8295142 | 39.9583017 | -80.8494148 |
| 07/09/2014 | BELMONT | MEAD | 34013208140000 | Drilling | XTO ENERGY INC. | ALBRIGHT UNIT 6H | 39.9544510 | -80.8295422 | 39.9609457 | -80.8470721 |
| 09/05/2014 | BELMONT | SMITH | 34013208150000 | Permitted | AMERICAN ENERGY UTICA LLC | EUREKA SMT BL 2H | 40.0200223 | -80.9279671 | 39.9990549 | -80.9106749 |
| 09/05/2014 | BELMONT | SMITH | 34013208160000 | Permitted | AMERICAN ENERGY UTICA LLC | EUREKA SMT BL 6H | 40.0200489 | -80.9279058 | 40.0022737 | -80.9046752 |
| 12/31/2014 | BELMONT | GOSHEN | 34013208170000 | Drilling | RICE DRILLING D LLC | KRAZY TRAIN 4H | 40.0010728 | -81.0457973 | 39.9769553 | -81.0241806 |
| 12/31/2014 | BELMONT | GOSHEN | 34013208180000 | Drilling | RICE DRILLING D LLC | KRAZY TRAIN 2H | 40.0011176 | -81.0458677 | 39.9755746 | -81.0272646 |
| 12/19/2014 | BELMONT | GOSHEN | 34013208200000 | Permitted | RICE DRILLING D LLC | RAZIN KANE 2H | 39.9975851 | -81.0495006 | 39.9753390 | -81.0374041 |
| 12/19/2014 | BELMONT | GOSHEN | 34013208210000 | Permitted | RICE DRILLING D LLC | RAZIN KANE 4H | 39.9976116 | -81.0494179 | 39.9763754 | -81.0350912 |
| 12/19/2014 | BELMONT | GOSHEN | 34013208220000 | Drilling | RICE DRILLING D LLC | RAZIN KANE 6H | 39.9976380 | -81.0493353 | 39.9774090 | -81.0327784 |
| 07/29/2014 | BELMONT | SOMERSET | 34013208230000 | Permitted | GULFPORT ENERGY CORPORATION | MCLAUGHLIN 210272 3A | 39.9047842 | -81.2033826 | 39.9208220 | -81.2122078 |
| 07/29/2014 | BELMONT | SOMERSET | 34013208240000 | Permitted | GULFPORT ENERGY CORPORATION | MCLAUGHLIN 210272 4B | 39.9048175 | -81.2034140 | 39.9220055 | -81.2094724 |
| 07/31/2014 | BELMONT | SOMERSET | 34013208250000 | Drilling | GULFPORT ENERGY CORPORATION | MCLAUGHLIN 210168 2B | 39.9047509 | -81.2033511 | 39.9194137 | -81.2154749 |
| 07/31/2014 | BELMONT | SOMERSET | 34013208260000 | Drilled | GULFPORT ENERGY CORPORATION | MCLAUGHLIN 210168 1A | 39.9047176 | -81.2033196 | 39.9177989 | -81.2192021 |
| 12/08/2014 | BELMONT | GOSHEN | 34013208270000 | Permitted | RICE DRILLING D LLC | THUNDERSTRUCK 4H | 39.9766292 | -81.0229243 | 39.9530851 | -81.0076641 |
| 12/08/2014 | BELMONT | GOSHEN | 34013208280000 | Permitted | RICE DRILLING D LLC | THUNDERSTRUCK 6H | 39.9765710 | -81.0228755 | 39.9541503 | -81.0052832 |
| 12/08/2014 | BELMONT | GOSHEN | 34013208300000 | Permitted | RICE DRILLING D LLC | THUNDERSTRUCK 8H | 39.9766875 | -81.0229694 | 39.9552154 | -81.0028986 |
| 08/11/2014 | BELMONT | WHEELING | 34013208320000 | Permitted | AMERICAN ENERGY UTICA LLC | CHC DUTTON WHL BL 9H | 40.1499052 | -81.0173774 | 40.1660325 | -81.0231297 |
| 08/11/2014 | BELMONT | WHEELING | 34013208330000 | Permitted | AMERICAN ENERGY UTICA LLC | CHC DUTTON WHL BL 11H | 40.1499209 | -81.0173091 | 40.1674335 | -81.0190491 |
| 08/13/2014 | BELMONT | FLUSHING | 34013208340000 | Permitted | HESS OHIO DEVELOPMENTS LLC | FLUSHING A 4H-27 | 40.1579891 | -81.0939928 | 40.1783454 | -81.1055116 |
| 08/13/2014 | BELMONT | FLUSHING | 34013208350000 | Drilling | HESS OHIO DEVELOPMENTS LLC | FLUSHING A 1H-27 | 40.1579276 | -81.0941336 | 40.1731807 | -81.1117171 |
| 08/13/2014 | BELMONT | FLUSHING | 34013208360000 | Permitted | HESS OHIO DEVELOPMENTS LLC | FLUSHING A 3H-27 | 40.1579677 | -81.0940397 | 40.1791492 | -81.1094143 |
| 08/13/2014 | BELMONT | FLUSHING | 34013208370000 | Permitted | HESS OHIO DEVELOPMENTS LLC | FLUSHING A 2H-27 | 40.1579490 | -81.0940866 | 40.1757302 | -81.1102488 |
| 08/13/2014 | BELMONT | FLUSHING | 34013208380000 | Drilling | HESS OHIO DEVELOPMENTS LLC | FLUSHING A 5H-27 | 40.1580078 | -81.0939459 | 40.1760405 | -81.1005227 |
| 08/21/2014 | BELMONT | KIRKWOOD | 34013208390000 | Permitted | HESS OHIO DEVELOPMENTS LLC | KIRKWOOD B 3H-25 | 40.0457233 | -81.2131620 | 40.0194341 | -81.1953212 |
| 08/21/2014 | BELMONT | KIRKWOOD | 34013208400000 | Permitted | HESS OHIO DEVELOPMENTS LLC | KIRKWOOD B 2H-25 | 40.0457447 | -81.2131152 | 40.0205393 | -81.1927474 |
| 08/21/2014 | BELMONT | KIRKWOOD | 34013208410000 | Permitted | HESS OHIO DEVELOPMENTS LLC | KIRKWOOD B 1H-25 | 40.0457635 | -81.2130684 | 40.0216418 | -81.1901771 |
| 08/21/2014 | BELMONT | KIRKWOOD | 34013208420000 | Permitted | HESS OHIO DEVELOPMENTS LLC | KIRKWOOD B 5H-25 | 40.0456831 | -81.2132556 | 40.0172261 | -81.2004650 |
| 08/21/2014 | BELMONT | KIRKWOOD | 34013208430000 | Permitted | HESS OHIO DEVELOPMENTS LLC | KIRKWOOD B 4H-25 | 40.0457046 | -81.2132088 | 40.0183315 | -81.1978913 |
| 08/25/2014 | BELMONT | WHEELING | 34013208440000 | Permitted | AMERICAN ENERGY UTICA LLC | CHC DUTTON WHL BL 6H | 40.1499392 | -81.0172407 | 40.1371016 | -81.0014054 |
| 12/02/2014 | BELMONT | GOSHEN | 34013208450000 | Drilling | RICE DRILLING D LLC | MADUSA 4H | 39.9720270 | -81.0437397 | 39.9482333 | -81.0263173 |
| 12/02/2014 | BELMONT | GOSHEN | 34013208460000 | Permitted | RICE DRILLING D LLC | MADUSA 6H | 39.9719688 | -81.0436946 | 39.9499142 | -81.0243981 |
| 12/02/2014 | BELMONT | GOSHEN | 34013208470000 | Permitted | RICE DRILLING D LLC | MADUSA 2H | 39.9720853 | -81.0437885 | 39.9483541 | -81.0295964 |
| 08/28/2014 | BELMONT | YORK | 34013208480000 | Permitted | XTO ENERGY INC. | WEST 1H | 39.9205202 | -80.8605064 | 39.8997255 | -80.8517853 |
| 08/28/2014 | BELMONT | YORK | 34013208490000 | Permitted | XTO ENERGY INC. | WEST 5H | 39.9205593 | -80.8605554 | 39.9021156 | -80.8446667 |
| 08/28/2014 | BELMONT | YORK | 34013208500000 | Permitted | XTO ENERGY INC. | WEST 3H | 39.9205398 | -80.8605309 | 39.9009192 | -80.8482243 |
| 09/08/2014 | BELMONT | RICHLAND | 34013208510000 | Permitted | XTO ENERGY INC. | KEMPER B UNIT 8H | 39.9865443 | -80.8356768 | 39.9991671 | -80.8540623 |
| 09/04/2014 | BELMONT | WASHINGTON | 34013208540000 | Permitted | GULFPORT ENERGY CORPORATION | EDGE 210126 5C | 39.8727229 | -80.9919601 | 39.8580502 | -80.9811275 |
| 09/05/2014 | BELMONT | WASHINGTON | 34013208550000 | Permitted | GULFPORT ENERGY CORPORATION | EDGE 210126 2A | 39.8728149 | -80.9920686 | 39.8935564 | -81.0067173 |
| 09/04/2014 | BELMONT | WASHINGTON | 34013208560000 | Permitted | GULFPORT ENERGY CORPORATION | EDGE 210126 4B | 39.8727536 | -80.9919951 | 39.8948576 | -81.0036810 |
| 09/04/2014 | BELMONT | WASHINGTON | 34013208570000 | Permitted | GULFPORT ENERGY CORPORATION | EDGE 210126 3D | 39.8727842 | -80.9920301 | 39.8593479 | -80.9780923 |
| 09/10/2014 | BELMONT | WASHINGTON | 34013208580000 | Permitted | GULFPORT ENERGY CORPORATION | EDGE 210021 1D | 39.8728456 | -80.9921036 | 39.8908570 | -81.0090528 |
| 09/16/2014 | BELMONT | SMITH | 34013208590000 | Drilling | AMERICAN ENERGY UTICA LLC | EUREKA SMT BL 6H-A | 40.0199984 | -80.9280283 | 40.0022737 | -80.9046752 |
| 09/16/2014 | BELMONT | SMITH | 34013208600000 | Permitted | AMERICAN ENERGY UTICA LLC | EUREKA SMT BL 2H-A | 40.0199718 | -80.9280932 | 39.9990549 | -80.9106749 |
| 11/05/2014 | BELMONT | RICHLAND | 34013208610000 | Drilling | AMERICAN ENERGY UTICA LLC | PORTERFIELD B W RCH BL 1H | 40.0923548 | -80.9194999 | 40.1079530 | -80.9374610 |
| 11/05/2014 | BELMONT | RICHLAND | 34013208620000 | Drilled | AMERICAN ENERGY UTICA LLC | PORTERFIELD B W RCH BL 3H | 40.0923925 | -80.9194455 | 40.1092443 | -80.9344285 |
| 11/05/2014 | BELMONT | RICHLAND | 34013208630000 | Permitted | AMERICAN ENERGY UTICA LLC | PORTERFIELD B E RCH BL 7H | 40.0924652 | -80.9193401 | 40.1114580 | -80.9281178 |
| 11/05/2014 | BELMONT | RICHLAND | 34013208640000 | Drilling | AMERICAN ENERGY UTICA LLC | PORTERFIELD B E RCH BL 5H | 40.0924302 | -80.9193946 | 40.1101670 | -80.9311504 |
| 09/26/2014 | BELMONT | MEAD | 34013208650000 | Permitted | XTO ENERGY INC. | REITZ UNIT 3H | 39.9525091 | -80.8681137 | 39.9320133 | -80.8565548 |
| 09/25/2014 | BELMONT | WASHINGTON | 34013208660000 | Permitted | GULFPORT ENERGY CORPORATION | EDGE 210022 6D | 39.8726950 | -80.9919215 | 39.8519339 | -80.9810009 |
| 09/26/2014 | BELMONT | MEAD | 34013208670000 | Permitted | XTO ENERGY INC. | REITZ UNIT 1H | 39.9525259 | -80.8681418 | 39.9286052 | -80.8584648 |
| 09/26/2014 | BELMONT | MEAD | 34013208680000 | Permitted | XTO ENERGY INC. | REITZ UNIT 5H | 39.9524922 | -80.8680855 | 39.9319585 | -80.8524547 |
| 12/08/2014 | BELMONT | GOSHEN | 34013208690000 | Drilling | RICE DRILLING D LLC | THUNDERSTRUCK 2H-A | 39.9768595 | -81.0231156 | 39.9520199 | -81.0100486 |
| 10/17/2014 | BELMONT | SMITH | 34013208700000 | Permitted | RICE DRILLING D LLC | SON-UVA DIGGER 5H-A | 40.0119388 | -80.9527325 | 40.0365250 | -80.9686427 |
| 10/23/2014 | BELMONT | RICHLAND | 34013208710000 | Permitted | XTO ENERGY INC. | KEMPER A UNIT 1H | 39.9865169 | -80.8356810 | 39.9755312 | -80.8165951 |
| 12/08/2014 | BELMONT | GOSHEN | 34013208740000 | Drilling | RICE DRILLING D LLC | THUNDERSTRUCK 10H-A | 39.9769178 | -81.0231644 | 39.9562832 | -81.0005175 |
| 10/30/2014 | BELMONT | SOMERSET | 34013208750000 | Drilling | GULFPORT ENERGY CORPORATION | CLARK 210128 3D | 39.8929950 | -81.1441804 | 39.8746729 | -81.1294792 |
| 11/05/2014 | BELMONT | RICHLAND | 34013208760000 | Permitted | AMERICAN ENERGY UTICA LLC | PORTERFIELD B E RCH BL 9H | 40.0925029 | -80.9192857 | 40.1127407 | -80.9250816 |
| 12/08/2014 | BELMONT | GOSHEN | 34013208780000 | Drilling | RICE DRILLING D LLC | DRAGONS BREATH 1H | 39.9510973 | -81.0180626 | 39.9736169 | -81.0391210 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 12/08/2014 | BELMONT | GOSHEN | 34013208790000 | Permitted | RICE DRILLING D LLC | DRAGONS BREATH 3H | 39.9510907 | -81.0179735 | 39.9746827 | -81.0367399 |
| 12/08/2014 | BELMONT | GOSHEN | 34013208800000 | Permitted | RICE DRILLING D LLC | DRAGONS BREATH 5H | 39.9510868 | -81.0178844 | 39.9757512 | -81.0343550 |
| 12/05/2014 | BELMONT | GOSHEN | 34013208810000 | Drilling | RICE DRILLING D LLC | DRAGONS BREATH 7H | 39.9510830 | -81.0177953 | 39.9768169 | -81.0319737 |
| 11/06/2014 | BELMONT | SOMERSET | 34013208820000 | Permitted | GULFPORT ENERGY CORPORATION | FRANCIS 210045 1A | 39.8852689 | -81.2299577 | 39.9038361 | -81.2500657 |
| 11/06/2014 | BELMONT | SOMERSET | 34013208830000 | Permitted | GULFPORT ENERGY CORPORATION | FRANCIS 210045 2B | 39.8853101 | -81.2299605 | 39.9037697 | -81.2466733 |
| 11/06/2014 | BELMONT | SOMERSET | 34013208840000 | Permitted | GULFPORT ENERGY CORPORATION | FRANCIS 210226 3A | 39.8853513 | -81.2299633 | 39.9025187 | -81.2413775 |
| 11/06/2014 | BELMONT | SOMERSET | 34013208850000 | Permitted | GULFPORT ENERGY CORPORATION | MCLAUGHLIN 210168 5A | 39.9046844 | -81.2032882 | 39.9177989 | -81.2192021 |
| 11/10/2014 | BELMONT | WARREN | 34013208860000 | Permitted | GULFPORT ENERGY CORPORATION | CATTLE 210198 2B | 40.0356626 | -81.1446794 | 40.0128006 | -81.1257244 |
| 11/10/2014 | BELMONT | WARREN | 34013208870000 | Permitted | GULFPORT ENERGY CORPORATION | CATTLE 210198 1A | 40.0356412 | -81.1447227 | 40.0115926 | -81.1285403 |
| 11/10/2014 | BELMONT | WARREN | 34013208880000 | Permitted | GULFPORT ENERGY CORPORATION | CATTLE 210198 3C | 40.0356813 | -81.1446326 | 40.0140058 | -81.1229085 |
| 11/26/2014 | BELMONT | SOMERSET | 34013208900000 | Drilling | GULFPORT ENERGY CORPORATION | CLARK 210128 4C | 39.8929791 | -81.1442306 | 39.8736785 | -81.1317899 |
| 11/26/2014 | BELMONT | SOMERSET | 34013208910000 | Drilling | GULFPORT ENERGY CORPORATION | CLARK 210128 5B | 39.8929632 | -81.1442809 | 39.8726869 | -81.1341041 |
| 11/26/2014 | BELMONT | SOMERSET | 34013208920000 | Permitted | GULFPORT ENERGY CORPORATION | CLARK 210128 6A | 39.8929472 | -81.1443275 | 39.8716925 | -81.1364147 |
| 12/15/2014 | BELMONT | WASHINGTON | 34013208980000 | Permitted | GULFPORT ENERGY CORPORATION | WINESBURG 210020 2A | 39.8801044 | -80.9839637 | 39.8967024 | -80.9993676 |
| 12/15/2014 | BELMONT | WASHINGTON | 34013208990000 | Permitted | GULFPORT ENERGY CORPORATION | WINESBURG 210020 3C | 39.8801010 | -80.9839139 | 39.8620472 | -80.9717843 |
| 12/15/2014 | BELMONT | WASHINGTON | 34013209000000 | Permitted | GULFPORT ENERGY CORPORATION | WINESBURG 210020 1B | 39.8801079 | -80.9840171 | 39.8607468 | -80.9748197 |
| 12/16/2014 | BELMONT | RICHLAND | 34013209010000 | Permitted | AMERICAN ENERGY UTICA LLC | PORTERFIELD B W RCH BL 3H-A | 40.0923198 | -80.9195544 | 40.1092443 | -80.9344285 |
| 01/16/2015 | BELMONT | RICHLAND | 34013209140000 | Permitted | XTO ENERGY INC. | KURTH UNIT A 4H | 40.0302051 | -80.8420763 | 40.0456697 | -80.8647120 |
| 01/16/2015 | BELMONT | RICHLAND | 34013209150000 | Permitted | XTO ENERGY INC. | KURTH UNIT C 6H | 40.0301778 | -80.8420913 | 40.0440553 | -80.8660860 |
| 01/16/2015 | BELMONT | RICHLAND | 34013209160000 | Permitted | XTO ENERGY INC. | KURTH UNIT A 10H | 40.0302269 | -80.8418722 | 40.0459606 | -80.8611507 |
| 01/31/2011 | CARROLL | AUGUSTA | 34019220730100 | Producing | CHESAPEAKE EXPLORATION LLC | MANGUN 22-15-5 8H | 40.6727836 | -81.0251244 | 40.6557549 | -81.0151753 |
| 03/09/2011 | CARROLL | EAST | 34019220740000 | Producing | CHESAPEAKE EXPLORATION LLC | BUCEY 21-14-4 3H | 40.6815336 | -80.9251544 | 40.6930049 | -80.9344472 |
| 08/11/2011 | CARROLL | WASHINGTON | 34019220750000 | Producing | CHESAPEAKE EXPLORATION LLC | NEIDER 10-14-5 3H | 40.6019804 | -81.0009288 | 40.6133981 | -81.0112225 |
| 03/28/2011 | CARROLL | WASHINGTON | 34019220760100 | Producing | CHESAPEAKE EXPLORATION LLC | HARVEY 16-14-5 8H | 40.6059748 | -81.0224539 | 40.5932127 | -81.0153154 |
| 05/03/2011 | CARROLL | CENTER | 34019220790000 | Drilled | CHESAPEAKE EXPLORATION LLC | BURGETT 7-15-6 8H | 40.5638771 | -81.1295195 | 40.5466086 | -81.1169202 |
| 08/16/2011 | CARROLL | CENTER | 34019220810100 | Producing | CHESAPEAKE EXPLORATION LLC | SHAW 20-14-5 5H | 40.5777097 | -81.0530082 | 40.5939656 | -81.0582975 |
| 06/08/2011 | CARROLL | AUGUSTA | 34019220820100 | Producing | CHESAPEAKE EXPLORATION LLC | WEST 4-15-5 3H | 40.7198151 | -81.0350945 | 40.7331740 | -81.0443773 |
| 06/24/2011 | CARROLL | EAST | 34019220840100 | Producing | CHESAPEAKE EXPLORATION LLC | CONIGLIO 7-14-4 6H | 40.7161198 | -80.9590853 | 40.7023954 | -80.9531491 |
| 06/27/2011 | CARROLL | CENTER | 34019220850000 | Producing | CHESAPEAKE EXPLORATION LLC | BURGETT 7-15-6 8H-RS | 40.5638889 | -81.1295913 | 40.5466177 | -81.1169956 |
| 09/20/2011 | CARROLL | LEE | 34019220880000 | Producing | CHESAPEAKE EXPLORATION LLC | WHITE 17-13-5 8H | 40.5317220 | -81.0256461 | 40.5185983 | -81.0162352 |
| 08/24/2011 | CARROLL | LEE | 34019220890100 | Producing | CHESAPEAKE EXPLORATION LLC | BAILEY 35-12-4 6H | 40.5364389 | -80.9731919 | 40.5215303 | -80.9642887 |
| 09/20/2011 | CARROLL | LEE | 34019220900100 | Producing | CHESAPEAKE EXPLORATION LLC | TANNER 24-12-4 10H | 40.5510135 | -80.9299863 | 40.5390248 | -80.9168761 |
| 09/12/2011 | CARROLL | WASHINGTON | 34019220910000 | Producing | CHESAPEAKE EXPLORATION LLC | SCHMUCK FARMS 22-14-5 3H | 40.6109608 | -81.0402458 | 40.6261601 | -81.0513658 |
| 09/27/2011 | CARROLL | LEE | 34019220920000 | Producing | CHESAPEAKE EXPLORATION LLC | WHITE 17-13-5 10H | 40.5330021 | -81.0265568 | 40.5201390 | -81.0126900 |
| 01/04/2012 | CARROLL | HARRISON | 34019220930000 | Producing | ENERVEST OPERATING L | CAIRNS 5H | 40.6103853 | -81.1881206 | 40.5967223 | -81.1781121 |
| 05/21/2012 | CARROLL | ROSE | 34019220940000 | Producing | CHESAPEAKE EXPLORATION LLC | OTT 13-16-7 10H | 40.5709852 | -81.2526086 | 40.5588653 | -81.2411060 |
| 03/05/2012 | CARROLL | ROSE | 34019220940100 | Drilled | CHESAPEAKE EXPLORATION LLC | OTT 2H | 40.5709851 | -81.2526050 | 40.5585712 | -81.2408273 |
| 10/14/2011 | CARROLL | LEE | 34019220950000 | Producing | CHESAPEAKE EXPLORATION LLC | WHITE 17-13-5 3H | 40.5330985 | -81.0265835 | 40.5451347 | -81.0353962 |
| 11/03/2011 | CARROLL | LEE | 34019220960000 | Producing | CHESAPEAKE EXPLORATION LLC | HOUYOUSE 15-13-5 8H | 40.5099568 | -81.0292538 | 40.4957190 | -81.0188020 |
| 10/31/2011 | CARROLL | LEE | 34019220970000 | Producing | CHESAPEAKE EXPLORATION LLC | SNODDY 11-13-5 5H | 40.5310592 | -81.0138994 | 40.5437416 | -81.0208024 |
| 10/31/2011 | CARROLL | LEE | 34019220980000 | Producing | CHESAPEAKE EXPLORATION LLC | SNODDY 11-13-5 1H | 40.5310885 | -81.0140391 | 40.5448378 | -81.0261795 |
| 11/14/2011 | CARROLL | LEE | 34019220990000 | Producing | CHESAPEAKE EXPLORATION LLC | HOUYOUSE 15-13-5 1H | 40.5100454 | -81.0293093 | 40.5217555 | -81.0422672 |
| 11/25/2011 | CARROLL | LEE | 34019221000000 | Producing | CHESAPEAKE EXPLORATION LLC | HOUYOUSE 15-13-5 6H | 40.5099906 | -81.0293177 | 40.4967858 | -81.0242226 |
| 11/30/2011 | CARROLL | LEE | 34019221010000 | Producing | CHESAPEAKE EXPLORATION LLC | BAILEY 35-12-4 3H | 40.5363845 | -80.9732328 | 40.5491275 | -80.9847194 |
| 11/30/2011 | CARROLL | LEE | 34019221020000 | Producing | CHESAPEAKE EXPLORATION LLC | BAILEY 35-12-4 1H | 40.5363400 | -80.9731906 | 40.5482795 | -80.9888881 |
| 12/06/2011 | CARROLL | EAST | 34019221030000 | Producing | CHESAPEAKE EXPLORATION LLC | BUCEY 21-14-4 5H | 40.6814793 | -80.9251954 | 40.6971258 | -80.9330551 |
| 12/06/2011 | CARROLL | EAST | 34019221040000 | Producing | CHESAPEAKE EXPLORATION LLC | BUCEY 21-14-4 6H | 40.6814813 | -80.9253396 | 40.6688818 | -80.9196894 |
| 12/15/2011 | CARROLL | LEE | 34019221050000 | Producing | CHESAPEAKE EXPLORATION LLC | SNODDY 11-13-5 6H | 40.5310453 | -81.0140940 | 40.5188539 | -81.0071970 |
| 12/23/2011 | CARROLL | WASHINGTON | 34019221060000 | Permitted | CHESAPEAKE EXPLORATION LLC | HARVEY 16-14-5 6H | 40.6058699 | -81.0224094 | 40.5896126 | -81.0177797 |
| 12/23/2011 | CARROLL | WASHINGTON | 34019221070000 | Permitted | CHESAPEAKE EXPLORATION LLC | HARVEY 16-14-5 10H | 40.6058579 | -81.0223304 | 40.5919418 | -81.0104714 |
| 12/23/2011 | CARROLL | AUGUSTA | 34019221080000 | Permitted | CHESAPEAKE EXPLORATION LLC | WEST 4-15-5 8H | 40.7196769 | -81.0350218 | 40.7054829 | -81.0240442 |
| 12/23/2011 | CARROLL | AUGUSTA | 34019221090000 | Permitted | CHESAPEAKE EXPLORATION LLC | WEST 4-15-5 10H | 40.7197318 | -81.0350206 | 40.7063435 | -81.0203167 |
| 06/06/2012 | CARROLL | CENTER | 34019221100000 | Producing | CHESAPEAKE EXPLORATION LLC | BURGETT 7-15-6 6H | 40.5637415 | -81.1296555 | 40.5454407 | -81.1206870 |
| 06/07/2012 | CARROLL | AUGUSTA | 34019221110000 | Producing | CHESAPEAKE EXPLORATION LLC | MANGUN 22-15-5 3H | 40.6728108 | -81.0253149 | 40.6874335 | -81.0356756 |
| 02/25/2013 | CARROLL | EAST | 34019221120000 | Producing | CHESAPEAKE EXPLORATION LLC | SCHMUCK 31-14-4 8H | 40.6454019 | -80.9598716 | 40.6309444 | -80.9492671 |
| 12/29/2011 | CARROLL | PERRY | 34019221130000 | Producing | CHESAPEAKE EXPLORATION LLC | SCOTT 24-12-5 8H | 40.4654247 | -81.0418646 | 40.4526399 | -81.0324561 |
| 01/04/2012 | CARROLL | HARRISON | 34019221140100 | Permitted | ENERVEST OPERATING L | CAIRNS 2H | 40.6104719 | -81.1880108 | 40.6244845 | -81.1986686 |
| 01/11/2012 | CARROLL | BROWN | 34019221150100 | Permitted | ENERVEST OPERATING L | FOLTZ UNIT 2-H | 40.7112057 | -81.1739522 | 40.7253338 | -81.1842962 |
| 01/11/2012 | CARROLL | BROWN | 34019221160100 | Permitted | ENERVEST OPERATING L | FOLTZ UNIT 5-H | 40.7111475 | -81.1739064 | 40.6970184 | -81.1635632 |
| 09/19/2012 | CARROLL | PERRY | 34019221170000 | Producing | CHESAPEAKE EXPLORATION LLC | FLIGIEL 29-12-5 8H | 40.4484973 | -81.0607050 | 40.4339501 | -81.0500942 |
| 01/20/2012 | CARROLL | EAST | 34019221180000 | Permitted | CHESAPEAKE EXPLORATION LLC | BUCEY 21-14-4 1H | 40.6815356 | -80.9252986 | 40.6940332 | -80.9397934 |
| 01/25/2012 | CARROLL | PERRY | 34019221190100 | Producing | CHESAPEAKE EXPLORATION LLC | SCOTT 24-12-5 3H | 40.4655628 | -81.0419335 | 40.4796970 | -81.0521755 |
| 01/25/2012 | CARROLL | ROSE | 34019221200000 | Permitted | CHESAPEAKE EXPLORATION LLC | HALTER 36-16-7 3H | 40.6505109 | -81.3100973 | 40.6647743 | -81.3206564 |
| 02/17/2012 | CARROLL | EAST | 34019221210000 | Producing | CHESAPEAKE EXPLORATION LLC | BURRY 20-14-4 8H | 40.6820719 | -80.9388088 | 40.6677156 | -80.9283087 |
| 01/26/2012 | CARROLL | PERRY | 34019221220000 | Producing | CHESAPEAKE EXPLORATION LLC | WALTERS 30-12-5 8H | 40.4713620 | -81.0595351 | 40.4573254 | -81.0493590 |
| 05/10/2012 | CARROLL | WASHINGTON | 34019221230000 | Producing | CHESAPEAKE EXPLORATION LLC | NEIDER 10-14-5 6H | 40.6020732 | -81.0008943 | 40.5866923 | -80.9920049 |
| 02/08/2012 | CARROLL | WASHINGTON | 34019221240000 | Producing | CHESAPEAKE EXPLORATION LLC | NEIDER 10-14-5 8H | 40.6019411 | -81.0008685 | 40.5884049 | -80.9886351 |
| 02/08/2012 | CARROLL | WASHINGTON | 34019221250000 | Producing | CHESAPEAKE EXPLORATION LLC | NEIDER 10-14-5 10H | 40.6019930 | -81.0008493 | 40.5900517 | -80.9854899 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 03/21/2014 | CARROLL | AUGUSTA | 34019221260000 | Drilled | CHESAPEAKE EXPLORATION LLC | LOZIER 14-15-5 1H | 40.6859981 | -81.0046827 | 40.7034834 | -81.0212065 |
| 04/09/2012 | CARROLL | AUGUSTA | 34019221270000 | Producing | CHESAPEAKE EXPLORATION LLC | LOZIER 14-15-5 3H | 40.6859972 | -81.0046106 | 40.7038238 | -81.0175953 |
| 03/21/2014 | CARROLL | AUGUSTA | 34019221280000 | Drilled | CHESAPEAKE EXPLORATION LLC | LOZIER 14-15-5 5H | 40.6859962 | -81.0045385 | 40.7059394 | -81.0153945 |
| 02/29/2012 | CARROLL | BROWN | 34019221300100 | Permitted | CHESAPEAKE EXPLORATION LLC | HEATON 24-16-6 8H | 40.6775537 | -81.0960196 | 40.6641464 | -81.0860324 |
| 09/03/2013 | CARROLL | WASHINGTON | 34019221310100 | Producing | R E GAS DEVELOPMENT LLC | OCEL 1H | 40.6285987 | -80.9896197 | 40.6164919 | -80.9796818 |
| 03/19/2012 | CARROLL | WASHINGTON | 34019221320100 | Producing | R E GAS DEVELOPMENT LLC | BRACE 1H | 40.6413926 | -81.0517040 | 40.6481402 | -81.0671629 |
| 10/23/2012 | CARROLL | WASHINGTON | 34019221330100 | Producing | R E GAS DEVELOPMENT LLC | GRAHAM 1H | 40.6382885 | -81.0480815 | 40.6312605 | -81.0351552 |
| 12/09/2013 | CARROLL | LOUDON | 34019221340000 | Producing | CHESAPEAKE EXPLORATION LLC | TUCKOSH 35-11-4 3H | 40.4414219 | -80.9696921 | 40.4575503 | -80.9795140 |
| 04/03/2012 | CARROLL | LEE | 34019221350000 | Producing | CHESAPEAKE EXPLORATION LLC | COE 34-12-4 3H | 40.5193120 | -80.9704264 | 40.5323052 | -80.9835661 |
| 03/08/2012 | CARROLL | LEE | 34019221360000 | Producing | CHESAPEAKE EXPLORATION LLC | P BROWN 9-13-5 8H | 40.5023382 | -81.0021836 | 40.4912227 | -80.9936529 |
| 11/30/2012 | CARROLL | CENTER | 34019221370000 | Producing | CHESAPEAKE EXPLORATION LLC | BURGETT 7-15-6 10H | 40.5638185 | -81.1296719 | 40.5499691 | -81.1149034 |
| 04/23/2012 | CARROLL | LOUDON | 34019221380100 | Producing | CHESAPEAKE EXPLORATION LLC | TUCKOSH 35-11-4 1H | 40.4413813 | -80.9697362 | 40.4550304 | -80.9820117 |
| 03/19/2012 | CARROLL | LEE | 34019221390100 | Producing | CHESAPEAKE EXPLORATION LLC | P BROWN 9-13-5 1H | 40.5023720 | -81.0022476 | 40.5154263 | -81.0159355 |
| 03/19/2012 | CARROLL | AUGUSTA | 34019221400000 | Producing | CHESAPEAKE EXPLORATION LLC | MANGUN 22-15-5 6H | 40.6727736 | -81.0251967 | 40.6556380 | -81.0192908 |
| 03/30/2012 | CARROLL | BROWN | 34019221410000 | Producing | CHESAPEAKE EXPLORATION LLC | WHITACRE 26-17-7 8H | 40.6631523 | -81.2313138 | 40.6515451 | -81.2223879 |
| 07/10/2012 | CARROLL | LOUDON | 34019221420000 | Producing | CHESAPEAKE EXPLORATION LLC | SLATES 16-12-5 3H | 40.4407276 | -81.0375581 | 40.4544657 | -81.0474914 |
| 04/02/2012 | CARROLL | LEE | 34019221430000 | Producing | CHESAPEAKE EXPLORATION LLC | WAGNER 11-13-5 5H | 40.5442563 | -81.0078073 | 40.5606191 | -81.0152331 |
| 04/03/2012 | CARROLL | LEE | 34019221440000 | Producing | CHESAPEAKE EXPLORATION LLC | COE 34-12-4 5H | 40.5192863 | -80.9703515 | 40.5339954 | -80.9803937 |
| 08/01/2012 | CARROLL | FOX | 34019221450000 | Producing | CHESAPEAKE EXPLORATION LLC | MEISTER 11-13-4 3H | 40.6277478 | -80.8954131 | 40.6413898 | -80.9068252 |
| 04/13/2012 | CARROLL | FOX | 34019221460000 | Producing | CHESAPEAKE EXPLORATION LLC | STARKEY 36-13-4 8H | 40.6412519 | -80.9699757 | 40.6265127 | -80.9591744 |
| 02/25/2013 | CARROLL | UNION | 34019221470000 | Producing | CHESAPEAKE EXPLORATION LLC | CUMMINGS 17-14-6 10H | 40.5359417 | -81.1408279 | 40.5208458 | -81.1309632 |
| 04/16/2012 | CARROLL | UNION | 34019221470100 | Permitted | CHESAPEAKE EXPLORATION LLC | CUMMINGS 17-14-6 10H | 40.5359417 | -81.1408279 | 40.5239859 | -81.1332153 |
| 04/24/2012 | CARROLL | LOUDON | 34019221480000 | Producing | CHESAPEAKE EXPLORATION LLC | TUCKOSH 35-11-4 10H | 40.4414070 | -80.9696098 | 40.4285853 | -80.9546690 |
| 04/27/2012 | CARROLL | BROWN | 34019221490100 | Permitted | CHESAPEAKE EXPLORATION LLC | HEATON 24-16-6 10H | 40.6775720 | -81.0959399 | 40.6646880 | -81.0820985 |
| 07/12/2012 | CARROLL | LOUDON | 34019221500000 | Producing | CHESAPEAKE EXPLORATION LLC | ELWOOD 32-12-4 3H | 40.4852424 | -80.9634897 | 40.4970142 | -80.9720679 |
| 05/10/2012 | CARROLL | WASHINGTON | 34019221510000 | Producing | CHESAPEAKE EXPLORATION LLC | NEIDER 10-14-5 5H | 40.6020313 | -81.0008340 | 40.6159483 | -81.0086761 |
| 05/22/2012 | CARROLL | PERRY | 34019221520100 | Producing | CHESAPEAKE EXPLORATION LLC | EDIE 17-13-6 6H | 40.4481691 | -81.1423741 | 40.4326076 | -81.1351218 |
| 05/10/2012 | CARROLL | WASHINGTON | 34019221530000 | Producing | CHESAPEAKE EXPLORATION LLC | NEIDER 10-14-5 1H | 40.6021142 | -81.0008790 | 40.6123266 | -81.0149676 |
| 05/10/2012 | CARROLL | ROSE | 34019221550000 | Permitted | CHESAPEAKE EXPLORATION LLC | SILVIS 14-16-7 1H | 40.5838012 | -81.2499666 | 40.5967337 | -81.2638439 |
| 05/10/2012 | CARROLL | ORANGE | 34019221560000 | Producing | CHESAPEAKE EXPLORATION LLC | GARTRELL 23-13-6 8H | 40.4513445 | -81.1764257 | 40.4366674 | -81.1657344 |
| 09/20/2012 | CARROLL | LOUDON | 34019221570000 | Producing | CHESAPEAKE EXPLORATION LLC | WALKER 12-12-5 6H | 40.4593927 | -81.0090937 | 40.4433398 | -81.0016846 |
| 09/18/2012 | CARROLL | LOUDON | 34019221580000 | Producing | CHESAPEAKE EXPLORATION LLC | WALKER 12-12-5 8H | 40.4593536 | -81.0090407 | 40.4447378 | -80.9983869 |
| 12/21/2012 | CARROLL | LOUDON | 34019221590000 | Producing | CHESAPEAKE EXPLORATION LLC | WALKER 12-12-5 10H | 40.4594217 | -81.0090032 | 40.4461992 | -80.9947032 |
| 05/14/2012 | CARROLL | LOUDON | 34019221600000 | Producing | CHESAPEAKE EXPLORATION LLC | COLESCOTT 11-12-5 10H | 40.4502524 | -81.0155402 | 40.4373224 | -81.0017157 |
| 04/23/2013 | CARROLL | LEE | 34019221610000 | Producing | CHESAPEAKE EXPLORATION LLC | P BROWN 9-13-5 5H | 40.5024478 | -81.0021668 | 40.5158930 | -81.0077130 |
| 09/17/2012 | CARROLL | LOUDON | 34019221620000 | Producing | CHESAPEAKE EXPLORATION LLC | LUCAS 35-11-4 6H | 40.4495322 | -80.9613594 | 40.4336144 | -80.9532231 |
| 05/22/2012 | CARROLL | FOX | 34019221630100 | Permitted | CHESAPEAKE EXPLORATION LLC | MEISTER 11-13-4 5H | 40.6277797 | -80.8953439 | 40.6427850 | -80.9035193 |
| 05/25/2012 | CARROLL | UNION | 34019221640000 | Producing | CHESAPEAKE EXPLORATION LLC | RUTLEDGE 10-14-6 6H | 40.5296739 | -81.1283891 | 40.5139320 | -81.1210486 |
| 05/25/2012 | CARROLL | UNION | 34019221650000 | Permitted | CHESAPEAKE EXPLORATION LLC | RUTLEDGE 10-14-6 5H | 40.5297312 | -81.1283591 | 40.5167026 | -81.1145166 |
| 09/19/2012 | CARROLL | FOX | 34019221660000 | Producing | CHESAPEAKE EXPLORATION LLC | BEADNELL 12-13-4 6H | 40.6423922 | -80.8960397 | 40.6267138 | -80.8872878 |
| 06/06/2012 | CARROLL | ROSE | 34019221670100 | Permitted | ENERVEST OPERATING L | EDWARDS 5-H | 40.5840968 | -81.3201827 | 40.5695739 | -81.3087088 |
| 01/18/2013 | CARROLL | WASHINGTON | 34019221680000 | Producing | CHESAPEAKE EXPLORATION LLC | HARVEY 16-14-5 1H | 40.6060533 | -81.0225782 | 40.6193530 | -81.0365741 |
| 06/06/2012 | CARROLL | LEE | 34019221690000 | Permitted | CHESAPEAKE EXPLORATION LLC | TANNER 24-12-4 3H | 40.5511527 | -80.9299254 | 40.5654216 | -80.9404455 |
| 06/18/2012 | CARROLL | FOX | 34019221700000 | Producing | CHESAPEAKE EXPLORATION LLC | STARKEY 36-13-4 5H | 40.6413073 | -80.9700105 | 40.6574681 | -80.9773487 |
| 06/20/2012 | CARROLL | AUGUSTA | 34019221710000 | Producing | CHESAPEAKE EXPLORATION LLC | LOZIER 14-15-5 8H | 40.6859428 | -81.0046479 | 40.6714562 | -80.9939990 |
| 09/18/2012 | CARROLL | UNION | 34019221720000 | Producing | CHESAPEAKE EXPLORATION LLC | RUTLEDGE 10-14-6 1H | 40.5297574 | -81.1284845 | 40.5419260 | -81.1414865 |
| 09/04/2012 | CARROLL | LOUDON | 34019221730000 | Producing | CHESAPEAKE EXPLORATION LLC | KOHLER 1-13-5 8H | 40.4717859 | -80.9928416 | 40.4591072 | -80.9826340 |
| 02/22/2013 | CARROLL | EAST | 34019221740000 | Producing | CHESAPEAKE EXPLORATION LLC | CONIGLIO 7-14-4 1H | 40.7161484 | -80.9591748 | 40.7321058 | -80.9744772 |
| 06/27/2012 | CARROLL | LOUDON | 34019221750000 | Producing | CHESAPEAKE EXPLORATION LLC | SLATES 16-12-5 8H | 40.4406722 | -81.0375234 | 40.4263269 | -81.0271981 |
| 09/17/2012 | CARROLL | UNION | 34019221760000 | Producing | CHESAPEAKE EXPLORATION LLC | RUTLEDGE 10-14-6 8H | 40.5297156 | -81.1284350 | 40.5153462 | -81.1178971 |
| 10/30/2012 | CARROLL | UNION | 34019221770000 | Producing | CHESAPEAKE EXPLORATION LLC | RUTLEDGE 10-14-6 10H | 40.5296922 | -81.1283096 | 40.5167161 | -81.1144983 |
| 06/28/2012 | CARROLL | HARRISON | 34019221780000 | Producing | CHESAPEAKE EXPLORATION LLC | MORSHEISER 26-15-6 10H | 40.5791101 | -81.1770401 | 40.5660310 | -81.1630492 |
| 07/05/2012 | CARROLL | LOUDON | 34019221790000 | Producing | CHESAPEAKE EXPLORATION LLC | COLESCOTT 11-12-5 3H | 40.4503025 | -81.0155894 | 40.4649535 | -81.0261212 |
| 11/19/2013 | CARROLL | LOUDON | 34019221800000 | Producing | CHESAPEAKE EXPLORATION LLC | LUCAS 35-11-4 8H | 40.4494773 | -80.9613643 | 40.4349247 | -80.9498371 |
| 07/24/2012 | CARROLL | LOUDON | 34019221810000 | Producing | CHESAPEAKE EXPLORATION LLC | ELWOOD SOUTH 32-12-4 8H | 40.4851069 | -80.9634173 | 40.4708256 | -80.9530527 |
| 07/24/2012 | CARROLL | LOUDON | 34019221820000 | Producing | CHESAPEAKE EXPLORATION LLC | ELWOOD SOUTH 32-12-4 10H | 40.4851590 | -80.9634161 | 40.4722704 | -80.9498738 |
| 07/13/2012 | CARROLL | LOUDON | 34019221830000 | Producing | CHESAPEAKE EXPLORATION LLC | SLATES 16-12-5 10H | 40.4406713 | -81.0374516 | 40.4277173 | -81.0238948 |
| 07/13/2012 | CARROLL | LOUDON | 34019221840000 | Producing | CHESAPEAKE EXPLORATION LLC | SLATES 16-12-5 6H | 40.4406731 | -81.0375953 | 40.4249090 | -81.0305019 |
| 07/24/2012 | CARROLL | LOUDON | 34019221850000 | Producing | CHESAPEAKE EXPLORATION LLC | SLATES 16-12-5 1H | 40.4407285 | -81.0376300 | 40.4537089 | -81.0514538 |
| 09/27/2012 | CARROLL | LOUDON | 34019221870000 | Producing | CHESAPEAKE EXPLORATION LLC | HENDERSON FAMILY 34-11-4 6H | 40.4388810 | -80.9796490 | 40.4229487 | -80.9721745 |
| 07/24/2012 | CARROLL | LOUDON | 34019221880000 | Producing | CHESAPEAKE EXPLORATION LLC | COLESCOTT 11-12-5 5H | 40.4503014 | -81.0155103 | 40.4661221 | -81.0226520 |
| 08/08/2012 | CARROLL | LOUDON | 34019221890000 | Producing | CHESAPEAKE EXPLORATION LLC | HENDERSON FAMILY 34-11-4 5H | 40.4389790 | -80.9795892 | 40.4546411 | -80.9866062 |
| 10/05/2012 | CARROLL | HARRISON | 34019221900000 | Permitted | CHESAPEAKE EXPLORATION LLC | MORSHEISER 26-15-6 3H | 40.5791654 | -81.1770750 | 40.5935679 | -81.1885929 |
| 07/25/2012 | CARROLL | UNION | 34019221910000 | Producing | CHESAPEAKE EXPLORATION LLC | DAVIS FARMS 2-14-6 10H | 40.5004770 | -81.1049648 | 40.4865289 | -81.0927163 |
| 08/03/2012 | CARROLL | PERRY | 34019221920000 | Producing | CHESAPEAKE EXPLORATION LLC | SCOTT 24-12-5 10H | 40.4654796 | -81.0418634 | 40.4540539 | -81.0290540 |
| 07/26/2012 | CARROLL | PERRY | 34019221930000 | Producing | CHESAPEAKE EXPLORATION LLC | FLIGIEL 29-12-5 10H | 40.4485522 | -81.0607074 | 40.4356267 | -81.0470075 |
| 07/26/2012 | CARROLL | PERRY | 34019221940000 | Producing | CHESAPEAKE EXPLORATION LLC | FLIGIEL 29-12-5 6H | 40.4485230 | -81.0607799 | 40.4321545 | -81.0531078 |
| 07/26/2012 | CARROLL | LEE | 34019221950000 | Producing | CHESAPEAKE EXPLORATION LLC | COE 34-12-4 1H | 40.5192313 | -80.9703456 | 40.5306601 | -80.9866258 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 07/27/2012 | CARROLL | CENTER | 34019221960100 | Producing | CHESAPEAKE EXPLORATION LLC | KOVACH 3-15-6 1H | 40.6021339 | -81.1035337 | 40.6151231 | -81.1174288 |
| 08/16/2012 | CARROLL | BROWN | 34019221970100 | Producing | CHESAPEAKE EXPLORATION LLC | BOWLING 23-16-6 10H | 40.6830995 | -81.1163486 | 40.6702109 | -81.1016910 |
| 08/10/2012 | CARROLL | LEE | 34019221980000 | Producing | CHESAPEAKE EXPLORATION LLC | COE 34-12-4 8H | 40.5191763 | -80.9703396 | 40.5046941 | -80.9598794 |
| 09/04/2012 | CARROLL | LOUDON | 34019221990000 | Producing | CHESAPEAKE EXPLORATION LLC | ELWOOD 32-12-4 1H | 40.4851875 | -80.9634909 | 40.4955747 | -80.9752834 |
| 10/23/2012 | CARROLL | PERRY | 34019222000000 | Producing | CHESAPEAKE EXPLORATION LLC | FLIGIEL 29-12-5 7H | 40.4486620 | -81.0607051 | 40.4631957 | -81.0626661 |
| 08/02/2012 | CARROLL | PERRY | 34019222010000 | Producing | CHESAPEAKE EXPLORATION LLC | SCOTT 24-12-5 1H | 40.4655079 | -81.0419347 | 40.4784255 | -81.0556112 |
| 08/02/2012 | CARROLL | PERRY | 34019222020000 | Producing | CHESAPEAKE EXPLORATION LLC | SCOTT 24-12-5 5H | 40.4655344 | -81.0418622 | 40.4813589 | -81.0490116 |
| 08/10/2012 | CARROLL | LEE | 34019222030000 | Producing | CHESAPEAKE EXPLORATION LLC | COE 34-12-4 10H | 40.5191214 | -80.9703373 | 40.5060980 | -80.9564985 |
| 08/20/2012 | CARROLL | LOUDON | 34019222040000 | Producing | CHESAPEAKE EXPLORATION LLC | ELWOOD 32-12-4 5H | 40.4852139 | -80.9634184 | 40.4986611 | -80.9689698 |
| 10/19/2012 | CARROLL | LOUDON | 34019222050000 | Producing | CHESAPEAKE EXPLORATION LLC | ELWOOD SOUTH 32-12-4 6H | 40.4851325 | -80.9634886 | 40.4694592 | -80.9559529 |
| 09/04/2012 | CARROLL | LOUDON | 34019222060000 | Producing | CHESAPEAKE EXPLORATION LLC | COLESCOTT 11-12-5 1H | 40.4502535 | -81.0156228 | 40.4635303 | -81.0294414 |
| 08/03/2012 | CARROLL | PERRY | 34019222070000 | Producing | CHESAPEAKE EXPLORATION LLC | SCOTT 24-12-5 6H | 40.4654530 | -81.0419359 | 40.4511818 | -81.0360601 |
| 08/08/2012 | CARROLL | LOUDON | 34019222080000 | Producing | CHESAPEAKE EXPLORATION LLC | HENDERSON FAMILY 34-11-4 8H | 40.4389048 | -80.9795837 | 40.4241022 | -80.9687320 |
| 08/08/2012 | CARROLL | LOUDON | 34019222090000 | Producing | CHESAPEAKE EXPLORATION LLC | HENDERSON FAMILY 34-11-4 3H | 40.4389552 | -80.9796545 | 40.4536738 | -80.9902686 |
| 08/08/2012 | CARROLL | LOUDON | 34019222100000 | Producing | CHESAPEAKE EXPLORATION LLC | HENDERSON FAMILY 34-11-4 1H | 40.4389286 | -80.9797197 | 40.4522599 | -80.9935852 |
| 08/08/2012 | CARROLL | EAST | 34019222110000 | Producing | CHESAPEAKE EXPLORATION LLC | HALEY 8-14-4 8H | 40.7134663 | -80.9439401 | 40.6998839 | -80.9339856 |
| 09/26/2012 | CARROLL | FOX | 34019222120100 | Producing | CHESAPEAKE EXPLORATION LLC | KRUPRZAK 17-13-4 3H | 40.6224051 | -80.9058176 | 40.6372197 | -80.9167344 |
| 08/10/2012 | CARROLL | LEE | 34019222130000 | Producing | CHESAPEAKE EXPLORATION LLC | COE 34-12-4 6H | 40.5192570 | -80.9704205 | 40.5033619 | -80.9630894 |
| 08/20/2012 | CARROLL | ORANGE | 34019222140100 | Permitted | SIERRA RESOURCES LLC | LEEPER 5-14-7 1H | 40.4481152 | -81.2295012 | 40.4352904 | -81.2192662 |
| 08/27/2012 | CARROLL | LOUDON | 34019222150000 | Producing | CHESAPEAKE EXPLORATION LLC | SLATES 16-12-5 5H | 40.4407267 | -81.0374863 | 40.4568887 | -81.0450343 |
| 08/16/2012 | CARROLL | LOUDON | 34019222160000 | Producing | CHESAPEAKE EXPLORATION LLC | HENDERSON FAMILY 34-11-4 10H | 40.4389286 | -80.9795185 | 40.4254802 | -80.9654458 |
| 08/27/2012 | CARROLL | LOUDON | 34019222170000 | Producing | CHESAPEAKE EXPLORATION LLC | KOHLER 1-13-5 5H | 40.4718673 | -80.9927679 | 40.4869029 | -80.9987628 |
| 08/27/2012 | CARROLL | LOUDON | 34019222180000 | Producing | CHESAPEAKE EXPLORATION LLC | KOHLER 1-13-5 1H | 40.4718957 | -80.9928391 | 40.4838806 | -81.0052737 |
| 08/27/2012 | CARROLL | LOUDON | 34019222190000 | Producing | CHESAPEAKE EXPLORATION LLC | KOHLER 1-13-5 6H | 40.4718408 | -80.9928403 | 40.4556296 | -80.9864076 |
| 08/30/2012 | CARROLL | AUGUSTA | 34019222200000 | Producing | CHESAPEAKE EXPLORATION LLC | HAWK 2-15-5 8H | 40.7134556 | -81.0047999 | 40.6995372 | -80.9939282 |
| 08/30/2012 | CARROLL | AUGUSTA | 34019222210000 | Permitted | CHESAPEAKE EXPLORATION LLC | HAWK 2-15-5 6H | 40.7134842 | -81.0048895 | 40.6980496 | -80.9970927 |
| 09/04/2012 | CARROLL | LOUDON | 34019222220000 | Producing | CHESAPEAKE EXPLORATION LLC | KOHLER 1-13-5 10H | 40.4718124 | -80.9927691 | 40.4602913 | -80.9791855 |
| 09/14/2012 | CARROLL | LOUDON | 34019222230000 | Producing | CHESAPEAKE EXPLORATION LLC | LUCAS 35-11-4 3H | 40.4496078 | -80.9612642 | 40.4616025 | -80.9692465 |
| 10/05/2012 | CARROLL | HARRISON | 34019222240000 | Producing | CHESAPEAKE EXPLORATION LLC | MORSHEISER 26-15-6 5H | 40.5791619 | -81.1770030 | 40.5949417 | -81.1853499 |
| 10/10/2012 | CARROLL | UNION | 34019222250000 | Producing | CHESAPEAKE EXPLORATION LLC | BRUNK 32-13-5 1H | 40.4976895 | -81.0797038 | 40.5086274 | -81.0919578 |
| 10/16/2012 | CARROLL | UNION | 34019222260000 | Producing | CHESAPEAKE EXPLORATION LLC | BRUNK 32-13-5 3H | 40.4977637 | -81.0797094 | 40.5100146 | -81.0886878 |
| 10/16/2012 | CARROLL | UNION | 34019222270000 | Producing | CHESAPEAKE EXPLORATION LLC | BRUNK 32-13-5 5H | 40.4977463 | -81.0796414 | 40.5114226 | -81.0853274 |
| 12/20/2012 | CARROLL | UNION | 34019222280000 | Producing | CHESAPEAKE EXPLORATION LLC | BRUNK 32-13-5 6H | 40.4976722 | -81.0796358 | 40.4836832 | -81.0728947 |
| 12/20/2012 | CARROLL | UNION | 34019222290000 | Producing | CHESAPEAKE EXPLORATION LLC | BRUNK 32-13-5 8H | 40.4976548 | -81.0795679 | 40.4848598 | -81.0701730 |
| 12/20/2012 | CARROLL | UNION | 34019222300000 | Producing | CHESAPEAKE EXPLORATION LLC | BRUNK 32-13-5 10H | 40.4977290 | -81.0795735 | 40.4861203 | -81.0673595 |
| 10/01/2012 | CARROLL | ROSE | 34019222310000 | Permitted | CHESAPEAKE EXPLORATION LLC | NANCY BURKHART 17-16-7 8H | 40.6335076 | -81.2513699 | 40.6191296 | -81.2409767 |
| 10/16/2012 | CARROLL | PERRY | 34019222320000 | Producing | CHESAPEAKE EXPLORATION LLC | FLIGIEL 29-12-5 5H | 40.4486071 | -81.0607063 | 40.4617102 | -81.0659185 |
| 01/11/2013 | CARROLL | PERRY | 34019222330000 | Producing | CHESAPEAKE EXPLORATION LLC | FLIGIEL 29-12-5 1H | 40.4485778 | -81.0607788 | 40.4589877 | -81.0725576 |
| 11/28/2012 | CARROLL | PERRY | 34019222340000 | Producing | CHESAPEAKE EXPLORATION LLC | FLIGIEL 29-12-5 3H | 40.4486327 | -81.0607776 | 40.4604190 | -81.0693498 |
| 02/21/2013 | CARROLL | PERRY | 34019222350000 | Producing | CHESAPEAKE EXPLORATION LLC | FLIGIEL 29-12-5 12H | 40.4484424 | -81.0607062 | 40.4364187 | -81.0432358 |
| 01/28/2013 | CARROLL | LOUDON | 34019222360000 | Producing | CHESAPEAKE EXPLORATION LLC | APPALACHIAN 16-12-5 1H | 40.4408394 | -81.0230077 | 40.4496690 | -81.0345554 |
| 11/28/2012 | CARROLL | LOUDON | 34019222370000 | Producing | CHESAPEAKE EXPLORATION LLC | PALMER 1-13-5 8H | 40.4768591 | -80.9841133 | 40.4647234 | -80.9737180 |
| 10/16/2012 | CARROLL | UNION | 34019222380000 | Permitted | CHESAPEAKE EXPLORATION LLC | RUTLEDGE 10-14-6 3H | 40.5297729 | -81.1284050 | 40.5440821 | -81.1388083 |
| 03/08/2013 | CARROLL | LOUDON | 34019222390000 | Producing | CHESAPEAKE EXPLORATION LLC | COLESCOTT 11-12-5 6H | 40.4502044 | -81.0156526 | 40.4337901 | -81.0078666 |
| 01/28/2013 | CARROLL | LOUDON | 34019222400000 | Producing | CHESAPEAKE EXPLORATION LLC | APPALACHIAN 16-12-5 5H | 40.4408376 | -81.0228640 | 40.4525338 | -81.0276286 |
| 01/28/2013 | CARROLL | LOUDON | 34019222410000 | Producing | CHESAPEAKE EXPLORATION LLC | APPALACHIAN 16-12-5 3H | 40.4408385 | -81.0229359 | 40.4511093 | -81.0310560 |
| 03/08/2013 | CARROLL | LOUDON | 34019222420000 | Producing | CHESAPEAKE EXPLORATION LLC | COLESCOTT 11-12-5 8H | 40.4502034 | -81.0155736 | 40.4351989 | -81.0045442 |
| 02/25/2013 | CARROLL | EAST | 34019222430000 | Producing | CHESAPEAKE EXPLORATION LLC | SCHMUCK 31-14-4 1H | 40.6454854 | -80.9599562 | 40.6591687 | -80.9741411 |
| 10/23/2012 | CARROLL | WASHINGTON | 34019222440000 | Producing | R E GAS DEVELOPMENT LLC | GRAHAM 2H | 40.6382501 | -81.0480859 | 40.6460628 | -81.0558693 |
| 10/26/2012 | CARROLL | AUGUSTA | 34019222450000 | Permitted | CHESAPEAKE EXPLORATION LLC | HAWK 2-15-5 10H | 40.7135105 | -81.0047987 | 40.7008451 | -80.9904681 |
| 05/06/2014 | CARROLL | FOX | 34019222460000 | Drilled | CHESAPEAKE EXPLORATION LLC | KRUPRZAK 17-13-4 8H | 40.6223655 | -80.9057357 | 40.5955521 | -80.8860198 |
| 10/30/2012 | CARROLL | AUGUSTA | 34019222470000 | Producing | CHESAPEAKE EXPLORATION LLC | HAWK 2-15-5 1H | 40.7135391 | -81.0048883 | 40.7271911 | -81.0183831 |
| 11/13/2012 | CARROLL | UNION | 34019222480000 | Producing | CHESAPEAKE EXPLORATION LLC | DAVIS FARMS 2-14-6 5H | 40.5005188 | -81.1050107 | 40.5152291 | -81.1116337 |
| 11/14/2012 | CARROLL | EAST | 34019222490000 | Permitted | CHESAPEAKE EXPLORATION LLC | LESLIE 9-14-4 3H | 40.7140444 | -80.9333772 | 40.7319036 | -80.9441067 |
| 12/14/2012 | CARROLL | LOUDON | 34019222500000 | Producing | CHESAPEAKE EXPLORATION LLC | PALMER 1-13-5 10H | 40.4768955 | -80.9841664 | 40.4638990 | -80.9691470 |
| 11/09/2012 | CARROLL | WASHINGTON | 34019222510000 | Permitted | CHESAPEAKE EXPLORATION LLC | KRICHBAUM 2-14-5 10H | 40.5806704 | -80.9904420 | 40.5639736 | -80.9741293 |
| 01/11/2013 | CARROLL | WASHINGTON | 34019222520000 | Producing | CHESAPEAKE EXPLORATION LLC | KRICHBAUM 2-14-5 8H | 40.5806127 | -80.9904361 | 40.5627756 | -80.9775548 |
| 11/13/2012 | CARROLL | EAST | 34019222530000 | Producing | CHESAPEAKE EXPLORATION LLC | HALEY 8-14-4 10H | 40.7134763 | -80.9438713 | 40.7013250 | -80.9303552 |
| 11/13/2012 | CARROLL | EAST | 34019222540000 | Drilled | CHESAPEAKE EXPLORATION LLC | LESLIE 9-14-4 8H | 40.7139753 | -80.9333428 | 40.7002360 | -80.9212334 |
| 03/08/2013 | CARROLL | LOUDON | 34019222550000 | Producing | CHESAPEAKE EXPLORATION LLC | JC ACRES 12-12-5 10H | 40.4694988 | -81.0053485 | 40.4563295 | -80.9892991 |
| 03/12/2013 | CARROLL | LOUDON | 34019222560000 | Producing | CHESAPEAKE EXPLORATION LLC | JC ACRES 12-12-5 5H | 40.4695274 | -81.0054377 | 40.4936082 | -81.0173423 |
| 05/17/2013 | CARROLL | LOUDON | 34019222570000 | Producing | CHESAPEAKE EXPLORATION LLC | JC ACRES 12-12-5 3H | 40.4694869 | -81.0054889 | 40.4951084 | -81.0231631 |
| 11/13/2012 | CARROLL | UNION | 34019222580000 | Producing | CHESAPEAKE EXPLORATION LLC | DAVIS FARMS 2-14-6 3H | 40.5005605 | -81.1050566 | 40.5139816 | -81.1149365 |
| 04/17/2013 | CARROLL | LEE | 34019222590000 | Producing | CHESAPEAKE EXPLORATION LLC | ENOLD 3-13-5 3H | 40.5035176 | -80.9916628 | 40.5157898 | -80.9992047 |
| 12/18/2014 | CARROLL | FOX | 34019222600000 | Permitted | CHESAPEAKE EXPLORATION LLC | CTF 32-13-4 7H | 40.5736887 | -80.9720271 | 40.5492129 | -80.9578482 |
| 02/11/2013 | CARROLL | LOUDON | 34019222610000 | Producing | CHESAPEAKE EXPLORATION LLC | WALKER 12-12-5 1H | 40.4594291 | -81.0091432 | 40.4710449 | -81.0216225 |
| 01/24/2013 | CARROLL | LOUDON | 34019222620000 | Producing | CHESAPEAKE EXPLORATION LLC | WALKER 12-12-5 3H | 40.4594999 | -81.0091057 | 40.4723809 | -81.0185877 |
| 01/24/2013 | CARROLL | LOUDON | 34019222630000 | Producing | CHESAPEAKE EXPLORATION LLC | WALKER 12-12-5 5H | 40.4594609 | -81.0090563 | 40.4737141 | -81.0155493 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 03/06/2013 | CARROLL | LOUDON | 34019222640000 | Producing | CHESAPEAKE EXPLORATION LLC | APPALACHIAN 16-12-5 10H | 40.4407685 | -81.0228296 | 40.4244292 | -81.0070740 |
| 03/06/2013 | CARROLL | LOUDON | 34019222650000 | Producing | CHESAPEAKE EXPLORATION LLC | APPALACHIAN 16-12-5 8H | 40.4407694 | -81.0229015 | 40.4229646 | -81.0105444 |
| 03/06/2013 | CARROLL | LOUDON | 34019222660000 | Producing | CHESAPEAKE EXPLORATION LLC | APPALACHIAN 16-12-5 6H | 40.4407704 | -81.0229733 | 40.4215184 | -81.0139639 |
| 12/14/2012 | CARROLL | LOUDON | 34019222670000 | Producing | CHESAPEAKE EXPLORATION LLC | PALMER 1-13-5 6H | 40.4769920 | -80.9841965 | 40.4612291 | -80.9751926 |
| 11/28/2012 | CARROLL | LOUDON | 34019222680000 | Producing | CHESAPEAKE EXPLORATION LLC | PALMER 1-13-5 1H | 40.4768637 | -80.9842534 | 40.4884965 | -80.9953110 |
| 03/07/2013 | CARROLL | LOUDON | 34019222690000 | Producing | CHESAPEAKE EXPLORATION LLC | PALMER 1-13-5 5H | 40.4769320 | -80.9842231 | 40.4907798 | -80.9896322 |
| 11/28/2012 | CARROLL | LOUDON | 34019222700000 | Producing | CHESAPEAKE EXPLORATION LLC | PALMER 1-13-5 3H | 40.4769001 | -80.9843065 | 40.4898855 | -80.9919716 |
| 03/27/2013 | CARROLL | LOUDON | 34019222720000 | Producing | CHESAPEAKE EXPLORATION LLC | ANDERSON 31-12-4 10H | 40.4734298 | -80.9696792 | 40.4548013 | -80.9496477 |
| 03/27/2013 | CARROLL | LOUDON | 34019222730000 | Producing | CHESAPEAKE EXPLORATION LLC | ANDERSON 31-12-4 6H | 40.4733487 | -80.9697709 | 40.4653824 | -80.9653244 |
| 02/06/2013 | CARROLL | LOUDON | 34019222740000 | Producing | CHESAPEAKE EXPLORATION LLC | ANDERSON 31-12-4 5H | 40.4734820 | -80.9696780 | 40.4886880 | -80.9749736 |
| 02/06/2013 | CARROLL | LOUDON | 34019222750000 | Producing | CHESAPEAKE EXPLORATION LLC | ANDERSON 31-12-4 3H | 40.4734557 | -80.9697685 | 40.4874875 | -80.9778020 |
| 02/06/2013 | CARROLL | LOUDON | 34019222760000 | Producing | CHESAPEAKE EXPLORATION LLC | ANDERSON 31-12-4 1H | 40.4734008 | -80.9697698 | 40.4862927 | -80.9806446 |
| 12/04/2012 | CARROLL | AUGUSTA | 34019222770000 | Producing | CHESAPEAKE EXPLORATION LLC | JEFFERY 2-15-5 5H | 40.7190987 | -80.9954686 | 40.7322908 | -81.0003516 |
| 03/27/2013 | CARROLL | LOUDON | 34019222780000 | Producing | CHESAPEAKE EXPLORATION LLC | ANDERSON 31-12-4 8H | 40.4733749 | -80.9696805 | 40.4536041 | -80.9526656 |
| 04/01/2013 | CARROLL | LOUDON | 34019222790000 | Producing | CHESAPEAKE EXPLORATION LLC | ENOLD 3-13-5 10H | 40.5034583 | -80.9915419 | 40.4904760 | -80.9762667 |
| 04/01/2013 | CARROLL | LEE | 34019222800000 | Producing | CHESAPEAKE EXPLORATION LLC | ENOLD 3-13-5 6H | 40.5034155 | -80.9916220 | 40.4877608 | -80.9824520 |
| 04/01/2013 | CARROLL | LEE | 34019222810000 | Producing | CHESAPEAKE EXPLORATION LLC | ENOLD 3-13-5 8H | 40.5033845 | -80.9915616 | 40.4890979 | -80.9793653 |
| 04/17/2013 | CARROLL | LEE | 34019222820000 | Producing | CHESAPEAKE EXPLORATION LLC | ENOLD 3-13-5 5H | 40.5034866 | -80.9916024 | 40.5171509 | -80.9962388 |
| 04/17/2013 | CARROLL | LEE | 34019222830000 | Producing | CHESAPEAKE EXPLORATION LLC | ENOLD 3-13-5 1H | 40.5034465 | -80.9916824 | 40.5174328 | -81.0043331 |
| 12/07/2012 | CARROLL | WASHINGTON | 34019222840000 | Producing | R E GAS DEVELOPMENT LLC | BRACE WEST 1H | 40.6302143 | -81.0504487 | 40.6383571 | -81.0633162 |
| 12/07/2012 | CARROLL | WASHINGTON | 34019222850000 | Producing | R E GAS DEVELOPMENT LLC | BRACE WEST 2H | 40.6302136 | -81.0503947 | 40.6401347 | -81.0616777 |
| 12/11/2012 | CARROLL | WASHINGTON | 34019222860000 | Producing | CHESAPEAKE EXPLORATION LLC | KRICHBAUM 2-14-5 1H | 40.5806358 | -80.9905292 | 40.5962763 | -81.0056024 |
| 02/06/2013 | CARROLL | EAST | 34019222870000 | Producing | CHESAPEAKE EXPLORATION LLC | MILLS 1-15-5 8H | 40.7143977 | -80.9775144 | 40.7023578 | -80.9705943 |
| 01/31/2013 | CARROLL | EAST | 34019222880000 | Producing | CHESAPEAKE EXPLORATION LLC | MILLS 1-15-5 1H | 40.7144667 | -80.9775489 | 40.7307095 | -80.9947001 |
| 12/21/2012 | CARROLL | UNION | 34019222890000 | Producing | CHESAPEAKE EXPLORATION LLC | DAVIS FARMS 2-14-6 1H | 40.5006022 | -81.1051025 | 40.5128278 | -81.1184961 |
| 11/03/2014 | CARROLL | FOX | 34019222900000 | Drilling | CHESAPEAKE EXPLORATION LLC | CTF 32-13-4 2H | 40.5736144 | -80.9720108 | 40.5881024 | -80.9856928 |
| 01/09/2013 | CARROLL | CENTER | 34019222910000 | Producing | CHESAPEAKE EXPLORATION LLC | BURGETT 7-15-6 1H | 40.5637506 | -81.1297309 | 40.5771620 | -81.1438376 |
| 12/21/2012 | CARROLL | CENTER | 34019222920000 | Producing | CHESAPEAKE EXPLORATION LLC | BURGETT 7-15-6 3H | 40.5637832 | -81.1297014 | 40.5785641 | -81.1405435 |
| 12/21/2012 | CARROLL | CENTER | 34019222930000 | Producing | CHESAPEAKE EXPLORATION LLC | BURGETT 7-15-6 5H | 40.5638511 | -81.1296424 | 40.5799580 | -81.1372566 |
| 02/26/2013 | CARROLL | UNION | 34019222940000 | Producing | CHESAPEAKE EXPLORATION LLC | MARSHA 18-14-6 6H | 40.5539996 | -81.1347976 | 40.5380182 | -81.1248528 |
| 03/20/2013 | CARROLL | UNION | 34019222950000 | Producing | CHESAPEAKE EXPLORATION LLC | PUTNAM 34-13-5 3H | 40.5306290 | -81.0767305 | 40.5479436 | -81.0913524 |
| 05/17/2013 | CARROLL | UNION | 34019222960000 | Producing | CHESAPEAKE EXPLORATION LLC | PUTNAM 34-13-5 8H | 40.5305609 | -81.0767679 | 40.5163464 | -81.0678167 |
| 04/08/2013 | CARROLL | UNION | 34019222970000 | Producing | CHESAPEAKE EXPLORATION LLC | PUTNAM 34-13-5 1H | 40.5306299 | -81.0768024 | 40.5455578 | -81.0942422 |
| 04/23/2013 | CARROLL | UNION | 34019222980000 | Producing | CHESAPEAKE EXPLORATION LLC | PUTNAM 34-13-5 10H | 40.5305600 | -81.0766960 | 40.5177461 | -81.0645061 |
| 04/23/2013 | CARROLL | UNION | 34019222990000 | Producing | CHESAPEAKE EXPLORATION LLC | PUTNAM 34-13-5 5H | 40.5306281 | -81.0766586 | 40.5499447 | -81.0884417 |
| 05/17/2013 | CARROLL | UNION | 34019223000000 | Producing | CHESAPEAKE EXPLORATION LLC | PUTNAM 34-13-5 6H | 40.5305618 | -81.0768399 | 40.5149090 | -81.0712000 |
| 01/18/2013 | CARROLL | WASHINGTON | 34019223010000 | Producing | CHESAPEAKE EXPLORATION LLC | HARVEY 16-14-5 3H | 40.6061195 | -81.0226055 | 40.6210699 | -81.0334380 |
| 01/18/2013 | CARROLL | WASHINGTON | 34019223020000 | Producing | CHESAPEAKE EXPLORATION LLC | HARVEY 16-14-5 5H | 40.6060992 | -81.0225231 | 40.6221924 | -81.0297744 |
| 02/26/2013 | CARROLL | PERRY | 34019223030000 | Producing | CHESAPEAKE EXPLORATION LLC | RAY HAYLEY 5-13-6 3H | 40.4521298 | -81.1115005 | 40.4708815 | -81.1238594 |
| 12/18/2014 | CARROLL | FOX | 34019223040000 | Permitted | CHESAPEAKE EXPLORATION LLC | CTF 32-13-4 8H | 40.5736768 | -80.9719553 | 40.5501017 | -80.9557582 |
| 03/06/2013 | CARROLL | PERRY | 34019223050000 | Producing | CHESAPEAKE EXPLORATION LLC | RAY HAYLEY 5-13-6 8H | 40.4519763 | -81.1115216 | 40.4388325 | -81.1012290 |
| 04/15/2013 | CARROLL | PERRY | 34019223060000 | Producing | CHESAPEAKE EXPLORATION LLC | RAY HAYLEY 5-13-6 1H | 40.4520813 | -81.1115733 | 40.4647339 | -81.1240115 |
| 01/16/2014 | CARROLL | PERRY | 34019223070000 | Drilled | CHESAPEAKE EXPLORATION LLC | RAY HAYLEY 5-13-6 5H | 40.4520774 | -81.1114764 | 40.4723983 | -81.1203377 |
| 01/16/2014 | CARROLL | PERRY | 34019223080000 | Drilled | CHESAPEAKE EXPLORATION LLC | RAY HAYLEY 5-13-6 6H | 40.4520288 | -81.1115457 | 40.4374915 | -81.1040380 |
| 02/13/2014 | CARROLL | PERRY | 34019223090000 | Drilled | CHESAPEAKE EXPLORATION LLC | RAY HAYLEY 5-13-6 10H | 40.4520277 | -81.1114523 | 40.4267634 | -81.0880117 |
| 07/09/2013 | CARROLL | LEE | 34019223190000 | Producing | CHESAPEAKE EXPLORATION LLC | EVANS 21-12-4 3H | 40.5110294 | -80.9257643 | 40.5315120 | -80.9391283 |
| 04/17/2013 | CARROLL | LOUDON | 34019223210000 | Producing | CHESAPEAKE EXPLORATION LLC | SUNNYBROOK 25-12-4 6H | 40.4706379 | -80.9501454 | 40.4571384 | -80.9464702 |
| 06/26/2013 | CARROLL | FOX | 34019223230000 | Producing | CHESAPEAKE EXPLORATION LLC | JAVERSAK A 23-13-4 10H | 40.6193376 | -80.9371951 | 40.6067486 | -80.9201005 |
| 05/08/2013 | CARROLL | FOX | 34019223250000 | Producing | CHESAPEAKE EXPLORATION LLC | JAVERSAK A 23-13-4 3H | 40.6193662 | -80.9372845 | 40.6312742 | -80.9430220 |
| 05/08/2013 | CARROLL | FOX | 34019223260000 | Producing | CHESAPEAKE EXPLORATION LLC | JAVERSAK A 23-13-4 1H | 40.6193113 | -80.9372858 | 40.6299188 | -80.9465129 |
| 04/12/2013 | CARROLL | LOUDON | 34019223280000 | Producing | CHESAPEAKE EXPLORATION LLC | BARBARA 5-12-5 8H | 40.4417581 | -80.9941424 | 40.4288532 | -80.9863332 |
| 04/12/2013 | CARROLL | LOUDON | 34019223290000 | Producing | CHESAPEAKE EXPLORATION LLC | BARBARA 5-12-5 10H | 40.4417581 | -80.9941424 | 40.4304232 | -80.9829997 |
| 04/12/2013 | CARROLL | LOUDON | 34019223300000 | Producing | CHESAPEAKE EXPLORATION LLC | BARBARA 5-12-5 6H | 40.4417055 | -80.9941148 | 40.4272937 | -80.9896412 |
| 02/21/2013 | CARROLL | AUGUSTA | 34019223310000 | Producing | CHESAPEAKE EXPLORATION LLC | JEFFERY 2-15-5 10H | 40.7190296 | -80.9954341 | 40.7069369 | -80.9821444 |
| 02/22/2013 | CARROLL | EAST | 34019223320000 | Producing | CHESAPEAKE EXPLORATION LLC | CONIGLIO 7-14-4 3H | 40.7161806 | -80.9591164 | 40.7314965 | -80.9703628 |
| 02/25/2013 | CARROLL | WASHINGTON | 34019223330000 | Producing | CHESAPEAKE EXPLORATION LLC | SCHMUCK FARMS 22-14-5 6H | 40.6108847 | -81.0403087 | 40.5965730 | -81.0336255 |
| 02/25/2013 | CARROLL | EAST | 34019223340000 | Producing | CHESAPEAKE EXPLORATION LLC | SCHMUCK 31-14-4 10H | 40.6454568 | -80.9598703 | 40.6322886 | -80.9457440 |
| 05/02/2013 | CARROLL | WASHINGTON | 34019223350000 | Producing | CHESAPEAKE EXPLORATION LLC | SCHMUCK FARMS 22-14-5 5H | 40.6109113 | -81.0402361 | 40.6281136 | -81.0482354 |
| 02/25/2013 | CARROLL | WASHINGTON | 34019223360000 | Producing | CHESAPEAKE EXPLORATION LLC | SCHMUCK FARMS 22-14-5 1H | 40.6109396 | -81.0403075 | 40.6230988 | -81.0535150 |
| 05/13/2013 | CARROLL | WASHINGTON | 34019223370000 | Producing | CHESAPEAKE EXPLORATION LLC | SCHMUCK FARMS 22-14-5 10H | 40.6108564 | -81.0402373 | 40.5934685 | -81.0232000 |
| 05/13/2013 | CARROLL | WASHINGTON | 34019223380000 | Producing | CHESAPEAKE EXPLORATION LLC | SCHMUCK FARMS 22-14-5 8H | 40.6108298 | -81.0403099 | 40.5945056 | -81.0274121 |
| 03/13/2013 | CARROLL | EAST | 34019223390000 | Producing | CHESAPEAKE EXPLORATION LLC | SCHMUCK 31-14-4 6H | 40.6454305 | -80.9599574 | 40.6295188 | -80.9526549 |
| 02/26/2013 | CARROLL | UNION | 34019223400000 | Producing | CHESAPEAKE EXPLORATION LLC | MARSHA 18-14-6 10H | 40.5539979 | -81.1346537 | 40.5394484 | -81.1214229 |
| 02/26/2013 | CARROLL | UNION | 34019223410000 | Producing | CHESAPEAKE EXPLORATION LLC | MARSHA 18-14-6 5H | 40.5540661 | -81.1346163 | 40.5687304 | -81.1421449 |
| 02/27/2013 | CARROLL | EAST | 34019223420000 | Producing | CHESAPEAKE EXPLORATION LLC | BURRY 20-14-4 6H | 40.6820949 | -80.9388840 | 40.6659250 | -80.9314696 |
| 03/06/2013 | CARROLL | UNION | 34019223480000 | Producing | CHESAPEAKE EXPLORATION LLC | MARSHA 18-14-6 3H | 40.5540669 | -81.1346883 | 40.5672334 | -81.1455520 |
| 03/07/2013 | CARROLL | EAST | 34019223490000 | Producing | CHESAPEAKE EXPLORATION LLC | BUCK 24-15-5 6H | 40.6716244 | -80.9834455 | 40.6601901 | -80.9768285 |
| 08/29/2013 | CARROLL | LEE | 34019223500000 | Producing | CHESAPEAKE EXPLORATION LLC | SHAW PROPERTIES 4-13-5 1H | 40.5170905 | -80.9848085 | 40.5272171 | -80.9990873 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 08/29/2013 | CARROLL | LEE | 34019223510000 | Producing | CHESAPEAKE EXPLORATION LLC | SHAW PROPERTIES 4-13-5 3H | 40.5170595 | -80.9847480 | 40.5282270 | -80.9963446 |
| 08/29/2013 | CARROLL | LEE | 34019223520000 | Producing | CHESAPEAKE EXPLORATION LLC | SHAW PROPERTIES 4-13-5 5H | 40.5170285 | -80.9846912 | 40.5292725 | -80.9936011 |
| 06/03/2013 | CARROLL | LEE | 34019223530000 | Producing | CHESAPEAKE EXPLORATION LLC | SHAW PROPERTIES 4-13-5 12H | 40.5169237 | -80.9846540 | 40.5020179 | -80.9664507 |
| 06/03/2013 | CARROLL | LEE | 34019223540000 | Producing | CHESAPEAKE EXPLORATION LLC | SHAW PROPERTIES 4-13-5 10H | 40.5169574 | -80.9847108 | 40.5007653 | -80.9694716 |
| 09/27/2013 | CARROLL | LEE | 34019223550000 | Producing | CHESAPEAKE EXPLORATION LLC | SHAW PROPERTIES 4-13-5 8H | 40.5169884 | -80.9847712 | 40.4988280 | -80.9738459 |
| 08/29/2013 | CARROLL | LEE | 34019223570000 | Producing | CHESAPEAKE EXPLORATION LLC | SHAW PROPERTIES 4-13-5 7H | 40.5169975 | -80.9846307 | 40.5302906 | -80.9908581 |
| 05/21/2013 | CARROLL | EAST | 34019223680000 | Producing | CHESAPEAKE EXPLORATION LLC | BUCK 24-15-5 1H | 40.6716734 | -80.9834156 | 40.6878633 | -80.9974207 |
| 03/18/2013 | CARROLL | FOX | 34019223720000 | Producing | CHESAPEAKE EXPLORATION LLC | BEADNELL A 21-13-4 8H | 40.5907221 | -80.9369639 | 40.5749120 | -80.9239964 |
| 08/14/2013 | CARROLL | PERRY | 34019223730000 | Producing | CHESAPEAKE EXPLORATION LLC | R MILLER 25-13-5 5H | 40.4771991 | -81.0771031 | 40.4933114 | -81.0848492 |
| 05/06/2013 | CARROLL | EAST | 34019223740000 | Permitted | CHESAPEAKE EXPLORATION LLC | S FARMS 32-14-4 10H | 40.6473084 | -80.9481714 | 40.6366604 | -80.9353533 |
| 05/06/2013 | CARROLL | EAST | 34019223750000 | Producing | CHESAPEAKE EXPLORATION LLC | S FARMS 32-14-4 8H | 40.6472375 | -80.9482019 | 40.6351296 | -80.9388560 |
| 04/17/2013 | CARROLL | EAST | 34019223760000 | Permitted | CHESAPEAKE EXPLORATION LLC | S FARMS 32-14-4 6H | 40.6472357 | -80.9482740 | 40.6336435 | -80.9422205 |
| 04/17/2013 | CARROLL | EAST | 34019223790000 | Producing | CHESAPEAKE EXPLORATION LLC | S FARMS 32-14-4 3H | 40.6473021 | -80.9483157 | 40.6616491 | -80.9584602 |
| 04/08/2013 | CARROLL | LEE | 34019223800000 | Producing | CHESAPEAKE EXPLORATION LLC | JOHN ADAMS 30-12-4 6H | 40.5539342 | -80.9448179 | 40.5374793 | -80.9378368 |
| 12/31/2014 | CARROLL | LOUDON | 34019223890000 | Permitted | CHESAPEAKE EXPLORATION LLC | STROPKI 20-12-4 1H | 40.4882127 | -80.9403878 | 40.5049110 | -80.9556125 |
| 06/03/2013 | CARROLL | LOUDON | 34019223900000 | Permitted | CHESAPEAKE EXPLORATION LLC | STROPKI 20-12-4 5H | 40.4882383 | -80.9402505 | 40.5073534 | -80.9488518 |
| 04/10/2013 | CARROLL | AUGUSTA | 34019223910000 | Permitted | CHESAPEAKE EXPLORATION LLC | LOZIER 14-5-5 10H | 40.6859418 | -81.0045758 | 40.6725324 | -80.9904556 |
| 04/12/2013 | CARROLL | PERRY | 34019223920000 | Producing | CHESAPEAKE EXPLORATION LLC | WALTERS 30-12-5 1H | 40.4714479 | -81.0596016 | 40.4820486 | -81.0714844 |
| 04/12/2013 | CARROLL | PERRY | 34019223930000 | Producing | CHESAPEAKE EXPLORATION LLC | WALTERS 30-12-5 5H | 40.4714744 | -81.0595291 | 40.4847496 | -81.0655410 |
| 04/12/2013 | CARROLL | PERRY | 34019223940000 | Producing | CHESAPEAKE EXPLORATION LLC | WALTERS 30-12-5 3H | 40.4715028 | -81.0596004 | 40.4833758 | -81.0685151 |
| 04/23/2013 | CARROLL | LEE | 34019223950000 | Producing | CHESAPEAKE EXPLORATION LLC | P BROWN 9-13-5 10H | 40.5023930 | -81.0021752 | 40.4925199 | -80.9906355 |
| 05/20/2013 | CARROLL | LEE | 34019223960000 | Producing | CHESAPEAKE EXPLORATION LLC | P BROWN 9-13-5 3H | 40.5024269 | -81.0022428 | 40.5173441 | -81.0131013 |
| 04/23/2013 | CARROLL | LEE | 34019223970000 | Producing | CHESAPEAKE EXPLORATION LLC | P BROWN 9-13-5 6H | 40.5023172 | -81.0022560 | 40.4899519 | -80.9965906 |
| 06/10/2013 | CARROLL | LEE | 34019223990000 | Producing | CHESAPEAKE EXPLORATION LLC | COOPER 8-13-5 10H | 40.4988910 | -81.0125497 | 40.4888476 | -81.0005095 |
| 06/03/2013 | CARROLL | LEE | 34019224000000 | Producing | CHESAPEAKE EXPLORATION LLC | COOPER 8-13-5 5H | 40.4989382 | -81.0125882 | 40.5146293 | -81.0196833 |
| 06/03/2013 | CARROLL | LEE | 34019224010000 | Producing | CHESAPEAKE EXPLORATION LLC | COOPER 8-13-5 1H | 40.4989229 | -81.0126820 | 40.5190325 | -81.0273086 |
| 06/10/2013 | CARROLL | LEE | 34019224020000 | Producing | CHESAPEAKE EXPLORATION LLC | COOPER 8-13-5 8H | 40.4988313 | -81.0126050 | 40.4874601 | -81.0037731 |
| 06/10/2013 | CARROLL | LEE | 34019224030000 | Producing | CHESAPEAKE EXPLORATION LLC | COOPER 8-13-5 6H | 40.4988785 | -81.0126435 | 40.4860774 | -81.0069934 |
| 05/30/2013 | CARROLL | FOX | 34019224040000 | Permitted | CHESAPEAKE EXPLORATION LLC | JONES A 33-13-4 1H | 40.5996679 | -80.9695535 | 40.6139202 | -80.9832493 |
| 07/02/2013 | CARROLL | EAST | 34019224050000 | Producing | CHESAPEAKE EXPLORATION LLC | BAINTER 25-15-5 10H | 40.6678513 | -80.9906449 | 40.6586475 | -80.9801551 |
| 05/01/2013 | CARROLL | PERRY | 34019224080000 | Producing | CHESAPEAKE EXPLORATION LLC | WALTERS 30-12-5 10H | 40.4714196 | -81.0595303 | 40.4584461 | -81.0455286 |
| 06/10/2013 | CARROLL | PERRY | 34019224090000 | Producing | CHESAPEAKE EXPLORATION LLC | SMITH NURSERY 19-13-5 6H | 40.4835843 | -81.0398814 | 40.4647936 | -81.0318253 |
| 05/01/2013 | CARROLL | PERRY | 34019224100000 | Producing | CHESAPEAKE EXPLORATION LLC | WALTERS 30-12-5 6H | 40.4713930 | -81.0596028 | 40.4556102 | -81.0520054 |
| 09/03/2013 | CARROLL | WASHINGTON | 34019224110000 | Producing | R E GAS DEVELOPMENT LLC | OCEL 2H | 40.6285829 | -80.9896705 | 40.6181948 | -80.9778775 |
| 05/02/2013 | CARROLL | WASHINGTON | 34019224120000 | Producing | R E GAS DEVELOPMENT LLC | OCEL 3H | 40.6285671 | -80.9897213 | 40.6164973 | -80.9827762 |
| 05/30/2013 | CARROLL | FOX | 34019224140000 | Producing | CHESAPEAKE EXPLORATION LLC | JONES A 33-13-4 10H | 40.5996803 | -80.9694559 | 40.5838990 | -80.9526508 |
| 06/14/2013 | CARROLL | FOX | 34019224170000 | Producing | CHESAPEAKE EXPLORATION LLC | JONES A 33-13-4 3H | 40.5997151 | -80.9695920 | 40.6140141 | -80.9787442 |
| 11/05/2013 | CARROLL | LOUDON | 34019224180000 | Producing | CHESAPEAKE EXPLORATION LLC | WOODLAND 26-12-4 6H | 40.4880880 | -80.9509941 | 40.4719828 | -80.9434639 |
| 06/03/2013 | CARROLL | LEE | 34019224190000 | Drilled | CHESAPEAKE EXPLORATION LLC | BRYAN SHAW 21-13-5 3H | 40.5036187 | -81.0521012 | 40.5170835 | -81.0613657 |
| 08/08/2013 | CARROLL | LEE | 34019224200000 | Producing | CHESAPEAKE EXPLORATION LLC | BRYAN SHAW 21-13-5 6H | 40.5035113 | -81.0520712 | 40.4843844 | -81.0412625 |
| 08/08/2013 | CARROLL | LEE | 34019224210000 | Drilled | CHESAPEAKE EXPLORATION LLC | BRYAN SHAW 21-13-5 8H | 40.5034991 | -81.0519743 | 40.4857675 | -81.0379963 |
| 06/17/2013 | CARROLL | LEE | 34019224220000 | Producing | CHESAPEAKE EXPLORATION LLC | BRYAN SHAW 21-13-5 1H | 40.5035636 | -81.0520844 | 40.5157045 | -81.0645753 |
| 06/03/2013 | CARROLL | LEE | 34019224230000 | Producing | CHESAPEAKE EXPLORATION LLC | BRYAN SHAW 21-13-5 5H | 40.5036065 | -81.0520044 | 40.5184054 | -81.0584342 |
| 08/08/2013 | CARROLL | LEE | 34019224240000 | Producing | CHESAPEAKE EXPLORATION LLC | BRYAN SHAW 21-13-5 10H | 40.5035514 | -81.0519912 | 40.4871504 | -81.0347300 |
| 07/17/2013 | CARROLL | PERRY | 34019224250000 | Producing | CHESAPEAKE EXPLORATION LLC | SMITH NURSERY 19-13-5 10H | 40.4835008 | -81.0397862 | 40.4677550 | -81.0249485 |
| 07/17/2013 | CARROLL | PERRY | 34019224260000 | Producing | CHESAPEAKE EXPLORATION LLC | SMITH NURSERY 19-13-5 12H | 40.4834590 | -81.0397404 | 40.4722149 | -81.0237893 |
| 06/10/2013 | CARROLL | PERRY | 34019224270000 | Producing | CHESAPEAKE EXPLORATION LLC | SMITH NURSERY 19-13-5 8H | 40.4835425 | -81.0398320 | 40.4662969 | -81.0283236 |
| 05/15/2013 | CARROLL | LOUDON | 34019224280000 | Producing | CHESAPEAKE EXPLORATION LLC | JC ACRES 12-12-5 1H | 40.4694464 | -81.0055401 | 40.4811303 | -81.0164733 |
| 07/08/2013 | CARROLL | UNION | 34019224290000 | Producing | CHESAPEAKE EXPLORATION LLC | MITCHELL 34-13-5 8H | 40.5207149 | -81.0826226 | 40.5078243 | -81.0743516 |
| 07/08/2013 | CARROLL | UNION | 34019224300000 | Producing | CHESAPEAKE EXPLORATION LLC | MITCHELL 34-13-5 10H | 40.5207471 | -81.0825643 | 40.5091229 | -81.0712775 |
| 09/16/2013 | CARROLL | UNION | 34019224310000 | Drilling | CHESAPEAKE EXPLORATION LLC | MITCHELL 34-13-5 5H | 40.5208187 | -81.0825844 | 40.5311866 | -81.0884870 |
| 09/16/2013 | CARROLL | UNION | 34019224320000 | Drilling | CHESAPEAKE EXPLORATION LLC | MITCHELL 34-13-5 3H | 40.5207865 | -81.0826462 | 40.5299897 | -81.0904912 |
| 07/08/2013 | CARROLL | UNION | 34019224330000 | Producing | CHESAPEAKE EXPLORATION LLC | MITCHELL 34-13-5 6H | 40.5206854 | -81.0826844 | 40.5065815 | -81.0772770 |
| 09/16/2013 | CARROLL | UNION | 34019224340000 | Drilling | CHESAPEAKE EXPLORATION LLC | MITCHELL 34-13-5 1H | 40.5207571 | -81.0827044 | 40.5290505 | -81.0926913 |
| 06/17/2013 | CARROLL | LOUDON | 34019224450000 | Producing | CHESAPEAKE EXPLORATION LLC | JC ACRES 12-12-5 6H | 40.4694205 | -81.0054509 | 40.4536626 | -80.9952353 |
| 06/17/2013 | CARROLL | LOUDON | 34019224460000 | Producing | CHESAPEAKE EXPLORATION LLC | JC ACRES 12-12-5 8H | 40.4694582 | -81.0053997 | 40.4549094 | -80.9923609 |
| 11/05/2013 | CARROLL | LOUDON | 34019224470000 | Producing | CHESAPEAKE EXPLORATION LLC | WOODLAND 26-12-4 3H | 40.4879811 | -80.9510110 | 40.5010420 | -80.9620677 |
| 06/03/2013 | CARROLL | WASHINGTON | 34019224480000 | Producing | CHESAPEAKE EXPLORATION LLC | SCHMUCK FARMS 22-14-5 4H | 40.6109945 | -81.0403063 | 40.5893698 | -81.0334495 |
| 06/13/2013 | CARROLL | WASHINGTON | 34019224500100 | Producing | R E GAS DEVELOPMENT LLC | JENKINS UNIT 5H | 40.6081546 | -81.0618871 | 40.5966306 | -81.0482531 |
| 06/13/2013 | CARROLL | WASHINGTON | 34019224510000 | Producing | R E GAS DEVELOPMENT LLC | JENKINS UNIT 4H | 40.6081470 | -81.0619413 | 40.6248670 | -81.0767441 |
| 06/13/2013 | CARROLL | WASHINGTON | 34019224520000 | Producing | R E GAS DEVELOPMENT LLC | JENKINS UNIT 3H | 40.6081422 | -81.0619954 | 40.5967043 | -81.0532070 |
| 06/13/2013 | CARROLL | WASHINGTON | 34019224530000 | Permitted | R E GAS DEVELOPMENT LLC | JENKINS UNIT 1H | 40.6081346 | -81.0620460 | 40.5968039 | -81.0558770 |
| 06/13/2013 | CARROLL | WASHINGTON | 34019224540000 | Permitted | R E GAS DEVELOPMENT LLC | JENKINS UNIT 2H | 40.6081298 | -81.0621001 | 40.6229920 | -81.0782866 |
| 07/17/2013 | CARROLL | PERRY | 34019224550000 | Producing | CHESAPEAKE EXPLORATION LLC | JAVERSAK 28-12-5 5H | 40.4352119 | -81.0641248 | 40.4499202 | -81.0708258 |
| 06/21/2013 | CARROLL | FOX | 34019224560000 | Producing | CHESAPEAKE EXPLORATION LLC | BEADNELL A 21-13-4 3H | 40.5907825 | -80.9369588 | 40.6077040 | -80.9479794 |
| 06/27/2013 | CARROLL | LEE | 34019224570000 | Producing | CHESAPEAKE EXPLORATION LLC | HOUYOUSE 15-13-5 5H | 40.5100636 | -81.0292298 | 40.5260913 | -81.0371788 |
| 06/27/2013 | CARROLL | LEE | 34019224580000 | Producing | CHESAPEAKE EXPLORATION LLC | HOUYOUSE 15-13-5 3H | 40.5101002 | -81.0293009 | 40.5226794 | -81.0385093 |
| 06/26/2014 | CARROLL | EAST | 34019224630000 | Permitted | CHESAPEAKE EXPLORATION LLC | 7R 20-14-4 8H | 40.6856076 | -80.9521338 | 40.6621046 | -80.9363725 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 07/18/2014 | CARROLL | EAST | 34019224650000 | Permitted | CHESAPEAKE EXPLORATION LLC | 7R 20-14-4 1H | 40.6856607 | -80.9522011 | 40.7012505 | -80.9703204 |
| 07/23/2013 | CARROLL | FOX | 34019224670000 | Permitted | CHESAPEAKE EXPLORATION LLC | SPAHR 35-13-4 5H | 40.6198521 | -80.9675322 | 40.6377758 | -80.9763190 |
| 11/01/2013 | CARROLL | PERRY | 34019224720000 | Producing | CHESAPEAKE EXPLORATION LLC | R MILLER 25-13-5 10H | 40.4771442 | -81.0771042 | 40.4652894 | -81.0636777 |
| 07/19/2013 | CARROLL | FOX | 34019224730000 | Producing | CHESAPEAKE EXPLORATION LLC | BEADNELL 12-13-4 3H | 40.6424315 | -80.8959054 | 40.6654011 | -80.9117795 |
| 07/19/2013 | CARROLL | PERRY | 34019224740000 | Producing | CHESAPEAKE EXPLORATION LLC | JAVERSAK 28-12-5 1H | 40.4351917 | -81.0642617 | 40.4466903 | -81.0784050 |
| 07/19/2013 | CARROLL | PERRY | 34019224750000 | Producing | CHESAPEAKE EXPLORATION LLC | JAVERSAK 28-12-5 3H | 40.4352350 | -81.0642141 | 40.4483067 | -81.0746154 |
| 08/09/2013 | CARROLL | AUGUSTA | 34019224760000 | Producing | CHESAPEAKE EXPLORATION LLC | HUTCHISON 33-15-5 1H | 40.6504962 | -81.0378920 | 40.6629878 | -81.0521883 |
| 11/04/2013 | CARROLL | PERRY | 34019224770000 | Producing | CHESAPEAKE EXPLORATION LLC | R MILLER 25-13-5 8H | 40.4770344 | -81.0771066 | 40.4637734 | -81.0669128 |
| 07/23/2013 | CARROLL | PERRY | 34019224780000 | Permitted | CHESAPEAKE EXPLORATION LLC | R MILLER 25-13-5 6H | 40.4771179 | -81.0771947 | 40.4624578 | -81.0703663 |
| 08/08/2013 | CARROLL | AUGUSTA | 34019224800000 | Producing | CHESAPEAKE EXPLORATION LLC | HUTCHISON 33-15-5 3H | 40.6504953 | -81.0378199 | 40.6644440 | -81.0488111 |
| 08/08/2013 | CARROLL | AUGUSTA | 34019224820000 | Producing | CHESAPEAKE EXPLORATION LLC | HUTCHISON 33-15-5 5H | 40.6504944 | -81.0377479 | 40.6659685 | -81.0451979 |
| 08/01/2013 | CARROLL | LEE | 34019224840000 | Producing | CHESAPEAKE EXPLORATION LLC | WHITE 17-13-5 1H | 40.5331376 | -81.0266402 | 40.5465267 | -81.0407708 |
| 08/01/2013 | CARROLL | LEE | 34019224850000 | Producing | CHESAPEAKE EXPLORATION LLC | WHITE 17-13-5 5H | 40.5330622 | -81.0265375 | 40.5482173 | -81.0332267 |
| 09/19/2013 | CARROLL | WASHINGTON | 34019224860100 | Producing | R E GAS DEVELOPMENT LLC | GRUNDER 7H | 40.6065714 | -81.0844117 | 40.5951328 | -81.0725621 |
| 09/06/2013 | CARROLL | LEE | 34019224870000 | Producing | CHESAPEAKE EXPLORATION LLC | WHITE 17-13-5 6H | 40.5331278 | -81.0267267 | 40.5167934 | -81.0193150 |
| 09/06/2013 | CARROLL | LEE | 34019224880000 | Producing | CHESAPEAKE EXPLORATION LLC | BRYAN SHAW 21-13-5 8H-X | 40.5034562 | -81.0520544 | 40.4856791 | -81.0379551 |
| 09/06/2013 | CARROLL | LEE | 34019224890000 | Producing | CHESAPEAKE EXPLORATION LLC | BRYAN SHAW 21-13-5 3H-X | 40.5036589 | -81.0520212 | 40.5170274 | -81.0614892 |
| 09/06/2013 | CARROLL | LEE | 34019224900000 | Producing | CHESAPEAKE EXPLORATION LLC | HOUYOUSE 15-13-5 7H | 40.5099359 | -81.0293369 | 40.4974093 | -81.0223425 |
| 09/06/2013 | CARROLL | LEE | 34019224910000 | Producing | CHESAPEAKE EXPLORATION LLC | HOUYOUSE 15-13-5 10H | 40.5100088 | -81.0292382 | 40.4965807 | -81.0153882 |
| 11/15/2013 | CARROLL | LEE | 34019224920000 | Producing | CHESAPEAKE EXPLORATION LLC | SMELTZ 23-13-5 1H | 40.5394080 | -81.0474506 | 40.5609964 | -81.0660886 |
| 10/17/2013 | CARROLL | LEE | 34019224950000 | Producing | CHESAPEAKE EXPLORATION LLC | SMELTZ 23-13-5 6H | 40.5393531 | -81.0474518 | 40.5251338 | -81.0400203 |
| 10/17/2013 | CARROLL | LEE | 34019224960000 | Producing | CHESAPEAKE EXPLORATION LLC | SMELTZ 23-13-5 8H | 40.5393794 | -81.0473613 | 40.5264635 | -81.0364475 |
| 09/19/2013 | CARROLL | WASHINGTON | 34019224980000 | Producing | R E GAS DEVELOPMENT LLC | GRUNDER 5H | 40.6065583 | -81.0844624 | 40.5937338 | -81.0757324 |
| 10/09/2013 | CARROLL | FOX | 34019225040000 | Drilling | CHESAPEAKE EXPLORATION LLC | LAFFERTY 17-13-4 1H | 40.6176277 | -80.9178533 | 40.6310333 | -80.9286107 |
| 10/09/2013 | CARROLL | FOX | 34019225060000 | Producing | CHESAPEAKE EXPLORATION LLC | LAFFERTY 17-13-4 6H | 40.6175441 | -80.9177652 | 40.6012708 | -80.9069799 |
| 02/21/2014 | CARROLL | PERRY | 34019225070000 | Producing | CHESAPEAKE EXPLORATION LLC | POINSETTIA 36-12-5 8H | 40.4661790 | -81.0830211 | 40.4514979 | -81.0718484 |
| 02/21/2014 | CARROLL | PERRY | 34019225080000 | Producing | CHESAPEAKE EXPLORATION LLC | POINSETTIA 36-12-5 6H | 40.4661798 | -81.0830930 | 40.4504898 | -81.0742166 |
| 02/04/2014 | CARROLL | PERRY | 34019225090000 | Producing | CHESAPEAKE EXPLORATION LLC | POINSETTIA 36-12-5 1H | 40.4662480 | -81.0830556 | 40.4807402 | -81.0963762 |
| 10/22/2013 | CARROLL | PERRY | 34019225100000 | Producing | CHESAPEAKE EXPLORATION LLC | R MILLER 25-13-5 9H | 40.4770893 | -81.0771054 | 40.4646149 | -81.0652737 |
| 10/28/2013 | CARROLL | PERRY | 34019225180000 | Producing | CHESAPEAKE EXPLORATION LLC | JAVERSAK 28-12-5 10H | 40.4351686 | -81.0641724 | 40.4200608 | -81.0487369 |
| 10/28/2013 | CARROLL | PERRY | 34019225190000 | Producing | CHESAPEAKE EXPLORATION LLC | JAVERSAK 28-12-5 6H | 40.4351511 | -81.0643093 | 40.4180016 | -81.0571648 |
| 10/28/2013 | CARROLL | PERRY | 34019225200000 | Producing | CHESAPEAKE EXPLORATION LLC | JAVERSAK 28-12-5 8H | 40.4351279 | -81.0642164 | 40.4196618 | -81.0534185 |
| 01/03/2014 | CARROLL | LEE | 34019225210000 | Drilled | CHESAPEAKE EXPLORATION LLC | PETERSON 36-12-4 1H | 40.5466183 | -80.9659912 | 40.5596820 | -80.9792382 |
| 01/03/2014 | CARROLL | LEE | 34019225220000 | Drilled | CHESAPEAKE EXPLORATION LLC | PETERSON 36-12-4 3H | 40.5466674 | -80.9659648 | 40.5606440 | -80.9766389 |
| 01/03/2014 | CARROLL | LEE | 34019225230000 | Drilled | CHESAPEAKE EXPLORATION LLC | PETERSON 36-12-4 5H | 40.5467192 | -80.9659384 | 40.5613537 | -80.9746897 |
| 01/21/2014 | CARROLL | LEE | 34019225240000 | Drilled | CHESAPEAKE EXPLORATION LLC | PETERSON 36-12-4 6H | 40.5465680 | -80.9659203 | 40.5246310 | -80.9529748 |
| 01/21/2014 | CARROLL | LEE | 34019225250000 | Drilled | CHESAPEAKE EXPLORATION LLC | PETERSON 36-12-4 8H | 40.5466170 | -80.9658940 | 40.5258852 | -80.9501071 |
| 01/21/2014 | CARROLL | LEE | 34019225260000 | Drilled | CHESAPEAKE EXPLORATION LLC | PETERSON 36-12-4 10H | 40.5466688 | -80.9658676 | 40.5268355 | -80.9479120 |
| 01/03/2014 | CARROLL | LEE | 34019225270000 | Drilled | CHESAPEAKE EXPLORATION LLC | PETERSON 36-12-4 201H | 40.5465665 | -80.9660139 | 40.5583983 | -80.9811788 |
| 11/07/2013 | CARROLL | WASHINGTON | 34019225280000 | Producing | R E GAS DEVELOPMENT LLC | GRUNDER 1H | 40.6065349 | -81.0845673 | 40.5916746 | -81.0794713 |
| 11/07/2013 | CARROLL | WASHINGTON | 34019225290000 | Producing | R E GAS DEVELOPMENT LLC | GRUNDER 9H | 40.6065818 | -81.0843610 | 40.5960465 | -81.0707634 |
| 11/07/2013 | CARROLL | WASHINGTON | 34019225300000 | Producing | R E GAS DEVELOPMENT LLC | GRUNDER 3H | 40.6065480 | -81.0845166 | 40.5926688 | -81.0775090 |
| 01/27/2014 | CARROLL | UNION | 34019225310000 | Producing | CHESAPEAKE EXPLORATION LLC | STANTON 29-13-5 1H | 40.5376439 | -81.0562039 | 40.5569698 | -81.0755946 |
| 01/27/2014 | CARROLL | UNION | 34019225320000 | Producing | CHESAPEAKE EXPLORATION LLC | STANTON 29-13-5 3H | 40.5376540 | -81.0561318 | 40.5582765 | -81.0725108 |
| 01/27/2014 | CARROLL | UNION | 34019225330000 | Drilling | CHESAPEAKE EXPLORATION LLC | STANTON 29-13-5 5H | 40.5376668 | -81.0560595 | 40.5595271 | -81.0695577 |
| 01/27/2014 | CARROLL | UNION | 34019225340000 | Producing | CHESAPEAKE EXPLORATION LLC | STANTON 29-13-5 6H | 40.5375727 | -81.0562199 | 40.5153045 | -81.0470486 |
| 12/02/2013 | CARROLL | UNION | 34019225350000 | Drilled | CHESAPEAKE EXPLORATION LLC | STANTON 29-13-5 8H | 40.5375929 | -81.0560791 | 40.5168594 | -81.0434644 |
| 12/02/2013 | CARROLL | UNION | 34019225360000 | Drilled | CHESAPEAKE EXPLORATION LLC | STANTON 29-13-5 10H | 40.5375929 | -81.0560791 | 40.5237556 | -81.0436732 |
| 12/26/2013 | CARROLL | AUGUSTA | 34019225370000 | Producing | CHESAPEAKE EXPLORATION LLC | KINSEY 21-15-5 5H | 40.6698267 | -81.0377368 | 40.6836318 | -81.0460693 |
| 12/04/2013 | CARROLL | CENTER | 34019225390000 | Producing | CHESAPEAKE EXPLORATION LLC | GF FARMS 25-14-5 10H | 40.5672307 | -81.0584307 | 40.5479856 | -81.0421567 |
| 11/15/2013 | CARROLL | LEE | 34019225400000 | Producing | CHESAPEAKE EXPLORATION LLC | BAILEY 35-12-4 5H | 40.5363944 | -80.9731534 | 40.5562695 | -80.9852297 |
| 11/18/2013 | CARROLL | LOUDON | 34019225410000 | Producing | CHESAPEAKE EXPLORATION LLC | LUCAS 35-11-4 5H | 40.4495557 | -80.9612690 | 40.4628416 | -80.9658359 |
| 11/18/2013 | CARROLL | LOUDON | 34019225420000 | Producing | CHESAPEAKE EXPLORATION LLC | LUCAS 35-11-4 1H | 40.4495843 | -80.9613582 | 40.4603011 | -80.9725146 |
| 08/13/2014 | CARROLL | PERRY | 34019225430000 | Drilled | CHESAPEAKE EXPLORATION LLC | LEGGETT 5-13-6 2H | 40.4552352 | -81.1018657 | 40.4756411 | -81.1169884 |
| 10/24/2014 | CARROLL | PERRY | 34019225440000 | Drilled | CHESAPEAKE EXPLORATION LLC | LEGGETT 5-13-6 7H | 40.4552089 | -81.1019597 | 40.4379002 | -81.0903840 |
| 08/07/2014 | CARROLL | PERRY | 34019225450000 | Drilled | CHESAPEAKE EXPLORATION LLC | LEGGETT 5-13-6 8H | 40.4552637 | -81.1019549 | 40.4387909 | -81.0882634 |
| 09/12/2014 | CARROLL | PERRY | 34019225460000 | Drilled | CHESAPEAKE EXPLORATION LLC | LEGGETT 5-13-6 9H | 40.4553186 | -81.1019538 | 40.4396130 | -81.0861477 |
| 08/13/2014 | CARROLL | PERRY | 34019225470000 | Drilled | CHESAPEAKE EXPLORATION LLC | LEGGETT 5-13-6 4H | 40.4553450 | -81.1018634 | 40.4769785 | -81.1138511 |
| 08/13/2014 | CARROLL | PERRY | 34019225480000 | Drilled | CHESAPEAKE EXPLORATION LLC | LEGGETT 5-13-6 3H | 40.4552901 | -81.1018645 | 40.4763112 | -81.1154215 |
| 11/26/2013 | CARROLL | LOUDON | 34019225490000 | Producing | CHESAPEAKE EXPLORATION LLC | LUCAS 35-11-4 10H | 40.4494981 | -80.9612739 | 40.4362629 | -80.9466946 |
| 11/29/2013 | CARROLL | LEE | 34019225500000 | Producing | CHESAPEAKE EXPLORATION LLC | BAILEY 35-12-4 10H | 40.5363499 | -80.9731112 | 40.5214695 | -80.9550916 |
| 11/29/2013 | CARROLL | LEE | 34019225510000 | Producing | CHESAPEAKE EXPLORATION LLC | BAILEY 35-12-4 8H | 40.5362955 | -80.9731484 | 40.5161869 | -80.9544444 |
| 12/03/2013 | CARROLL | AUGUSTA | 34019225520000 | Permitted | CHESAPEAKE EXPLORATION LLC | KINSEY 21-15-5 205H | 40.6697718 | -81.0377380 | 40.6851082 | -81.0425606 |
| 12/04/2013 | CARROLL | WASHINGTON | 34019225530000 | Permitted | R E GAS DEVELOPMENT LLC | GRUNDER 8H | 40.6066239 | -81.0844322 | 40.6209367 | -81.0923558 |
| 02/04/2014 | CARROLL | WASHINGTON | 34019225540000 | Producing | R E GAS DEVELOPMENT LLC | GRUNDER 6H | 40.6066108 | -81.0844829 | 40.5944350 | -81.0740644 |
| 12/09/2013 | CARROLL | LOUDON | 34019225550000 | Producing | CHESAPEAKE EXPLORATION LLC | TUCKOSH 35-11-4 5H | 40.4414624 | -80.9696445 | 40.4588590 | -80.9759548 |
| 01/14/2014 | CARROLL | LOUDON | 34019225560000 | Producing | CHESAPEAKE EXPLORATION LLC | TUCKOSH 35-11-4 6H | 40.4413232 | -80.9697088 | 40.4260862 | -80.9607081 |
| 01/14/2014 | CARROLL | LOUDON | 34019225570000 | Producing | CHESAPEAKE EXPLORATION LLC | TUCKOSH 35-11-4 8H | 40.4413638 | -80.9696611 | 40.4267986 | -80.9573508 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 02/24/2014 | CARROLL | EAST | 34019225620000 | Drilled | CHESAPEAKE EXPLORATION LLC | G SALTSMAN 28-14-4 6H | 40.6616489 | -80.9357704 | 40.6385141 | -80.9192082 |
| 02/26/2014 | CARROLL | UNION | 34019225630000 | Drilled | CHESAPEAKE EXPLORATION LLC | HOLMES 26-13-5 1H | 40.4957099 | -81.0599541 | 40.5066761 | -81.0723190 |
| 02/26/2014 | CARROLL | UNION | 34019225640000 | Drilled | CHESAPEAKE EXPLORATION LLC | HOLMES 26-13-5 3H | 40.4957283 | -81.0598854 | 40.5088835 | -81.0692613 |
| 02/26/2014 | CARROLL | UNION | 34019225650000 | Drilled | CHESAPEAKE EXPLORATION LLC | HOLMES 26-13-5 5H | 40.4957439 | -81.0598167 | 40.5148028 | -81.0688499 |
| 02/26/2014 | CARROLL | UNION | 34019225660000 | Drilled | CHESAPEAKE EXPLORATION LLC | HOLMES 26-13-5 6H | 40.4956359 | -81.0599593 | 40.4806623 | -81.0533913 |
| 02/26/2014 | CARROLL | UNION | 34019225670000 | Drilled | CHESAPEAKE EXPLORATION LLC | HOLMES 26-13-5 8H | 40.4956542 | -81.0598906 | 40.4821848 | -81.0498349 |
| 02/26/2014 | CARROLL | UNION | 34019225680000 | Drilled | CHESAPEAKE EXPLORATION LLC | HOLMES 26-13-5 10H | 40.4956726 | -81.0598218 | 40.4821430 | -81.0443927 |
| 02/26/2014 | CARROLL | UNION | 34019225690000 | Drilled | CHESAPEAKE EXPLORATION LLC | HOLMES 26-13-5 201H | 40.4956916 | -81.0600228 | 40.5057180 | -81.0767200 |
| 02/26/2014 | CARROLL | UNION | 34019225700000 | Drilled | CHESAPEAKE EXPLORATION LLC | HOLMES 26-13-5 206H | 40.4956175 | -81.0600244 | 40.4791397 | -81.0569475 |
| 05/23/2014 | CARROLL | UNION | 34019225720000 | Drilled | CHESAPEAKE EXPLORATION LLC | GARNER 29-13-5 8H | 40.5338220 | -81.0642348 | 40.5131446 | -81.0499085 |
| 06/09/2014 | CARROLL | UNION | 34019225730000 | Drilled | CHESAPEAKE EXPLORATION LLC | GARNER 29-13-5 1H | 40.5338128 | -81.0643753 | 40.5512781 | -81.0832742 |
| 05/23/2014 | CARROLL | UNION | 34019225740000 | Drilled | CHESAPEAKE EXPLORATION LLC | GARNER 29-13-5 6H | 40.5337815 | -81.0642861 | 40.5187061 | -81.0602875 |
| 06/09/2014 | CARROLL | UNION | 34019225750000 | Drilled | CHESAPEAKE EXPLORATION LLC | GARNER 29-13-5 5H | 40.5338884 | -81.0642730 | 40.5531452 | -81.0788724 |
| 06/09/2014 | CARROLL | UNION | 34019225760000 | Drilled | CHESAPEAKE EXPLORATION LLC | GARNER 29-13-5 3H | 40.5338506 | -81.0643241 | 40.5522117 | -81.0810733 |
| 03/10/2014 | CARROLL | EAST | 34019225770000 | Drilled | CHESAPEAKE EXPLORATION LLC | G SALTSMAN 28-14-4 8H | 40.6616988 | -80.9358017 | 40.6400365 | -80.9157447 |
| 03/10/2014 | CARROLL | EAST | 34019225780000 | Drilled | CHESAPEAKE EXPLORATION LLC | G SALTSMAN 28-14-4 10H | 40.6617486 | -80.9358330 | 40.6411491 | -80.9132207 |
| 04/03/2014 | CARROLL | PERRY | 34019225790000 | Drilled | CHESAPEAKE EXPLORATION LLC | BAUER 14-14-6 210H | 40.4951069 | -81.1399930 | 40.4749845 | -81.1187563 |
| 04/03/2014 | CARROLL | PERRY | 34019225800000 | Drilled | CHESAPEAKE EXPLORATION LLC | BAUER 14-14-6 10H | 40.4950549 | -81.1400049 | 40.4730763 | -81.1214667 |
| 04/03/2014 | CARROLL | PERRY | 34019225810000 | Drilled | CHESAPEAKE EXPLORATION LLC | BAUER 14-14-6 8H | 40.4950001 | -81.1400168 | 40.4717306 | -81.1250640 |
| 04/03/2014 | CARROLL | PERRY | 34019225820000 | Drilled | CHESAPEAKE EXPLORATION LLC | BAUER 14-14-6 6H | 40.4949454 | -81.1400323 | 40.4662634 | -81.1251840 |
| 04/17/2014 | CARROLL | AUGUSTA | 34019225850000 | Drilled | CHESAPEAKE EXPLORATION LLC | LOZIER 14-15-5 205H | 40.6859953 | -81.0044664 | 40.7046385 | -81.0097133 |
| 04/21/2014 | CARROLL | AUGUSTA | 34019225860000 | Drilled | CHESAPEAKE EXPLORATION LLC | LOZIER 14-15-5 6H | 40.6859437 | -81.0047200 | 40.6700604 | -80.9959992 |
| 05/06/2014 | CARROLL | FOX | 34019225870000 | Drilled | CHESAPEAKE EXPLORATION LLC | KRUPRZAK 17-13-4 10H | 40.6223977 | -80.9056772 | 40.5964819 | -80.8838111 |
| 05/06/2014 | CARROLL | FOX | 34019225880000 | Drilled | CHESAPEAKE EXPLORATION LLC | KRUPRZAK 17-13-4 6H | 40.6223334 | -80.9057941 | 40.5916643 | -80.8883325 |
| 05/14/2014 | CARROLL | EAST | 34019225890000 | Drilled | CHESAPEAKE EXPLORATION LLC | HESTON 13-15-5 6H | 40.6850986 | -80.9791059 | 40.6632530 | -80.9662712 |
| 05/14/2014 | CARROLL | EAST | 34019225900000 | Drilled | CHESAPEAKE EXPLORATION LLC | HESTON 13-15-5 1H | 40.6851697 | -80.9790827 | 40.6981241 | -80.9927303 |
| 05/14/2014 | CARROLL | EAST | 34019225910000 | Drilled | CHESAPEAKE EXPLORATION LLC | HESTON 13-15-5 10H | 40.6851132 | -80.9789650 | 40.6628432 | -80.9582450 |
| 05/14/2014 | CARROLL | EAST | 34019225920000 | Drilled | CHESAPEAKE EXPLORATION LLC | HESTON 13-15-5 8H | 40.6851059 | -80.9790337 | 40.6613478 | -80.9617729 |
| 06/02/2014 | CARROLL | FOX | 34019225930000 | Drilled | CHESAPEAKE EXPLORATION LLC | FORCIER 21-13-4 10H | 40.5940219 | -80.9249407 | 40.5756957 | -80.9070454 |
| 06/02/2014 | CARROLL | FOX | 34019225940000 | Permitted | CHESAPEAKE EXPLORATION LLC | FORCIER 21-13-4 3H | 40.5941001 | -80.9250361 | 40.6116914 | -80.9383799 |
| 06/10/2014 | CARROLL | EAST | 34019225950000 | Permitted | CHESAPEAKE EXPLORATION LLC | LESLIE 9-14-4 5H | 40.7140434 | -80.9333051 | 40.7426493 | -80.9469767 |
| 07/18/2014 | CARROLL | AUGUSTA | 34019225960000 | Drilled | CHESAPEAKE EXPLORATION LLC | PIDGEON A 22-15-5 6H | 40.6797281 | -81.0146248 | 40.6622240 | -81.0103983 |
| 06/19/2014 | CARROLL | AUGUSTA | 34019225970000 | Drilled | CHESAPEAKE EXPLORATION LLC | PIDGEON A 22-15-5 5H | 40.6796572 | -81.0144461 | 40.6947181 | -81.0235875 |
| 06/25/2014 | CARROLL | LEE | 34019225990000 | Drilled | CHESAPEAKE EXPLORATION LLC | KENNEDY 14-13-5 6H | 40.4966795 | -81.0298240 | 40.4734820 | -81.0188149 |
| 06/25/2014 | CARROLL | LEE | 34019226000000 | Drilled | CHESAPEAKE EXPLORATION LLC | KENNEDY 14-13-5 8H | 40.4966814 | -81.0297520 | 40.4744393 | -81.0166331 |
| 06/19/2014 | CARROLL | LEE | 34019226010000 | Drilled | CHESAPEAKE EXPLORATION LLC | KENNEDY 14-13-5 4H | 40.4966113 | -81.0296421 | 40.5155130 | -81.0440154 |
| 06/19/2014 | CARROLL | LEE | 34019226020000 | Drilled | CHESAPEAKE EXPLORATION LLC | KENNEDY 14-13-5 3H | 40.4966122 | -81.0297140 | 40.5148356 | -81.0455805 |
| 06/25/2014 | CARROLL | LEE | 34019226030000 | Drilled | CHESAPEAKE EXPLORATION LLC | KENNEDY 14-13-5 2H | 40.4966104 | -81.0297859 | 40.5141554 | -81.0471420 |
| 06/25/2014 | CARROLL | LEE | 34019226040000 | Drilled | CHESAPEAKE EXPLORATION LLC | KENNEDY 14-13-5 1H | 40.4966113 | -81.0298578 | 40.5134780 | -81.0487035 |
| 06/25/2014 | CARROLL | LEE | 34019226050000 | Drilled | CHESAPEAKE EXPLORATION LLC | KENNEDY 14-13-5 10H | 40.4966804 | -81.0296801 | 40.4812060 | -81.0187114 |
| 08/13/2014 | CARROLL | PERRY | 34019226060000 | Drilled | CHESAPEAKE EXPLORATION LLC | LEGGETT 5-13-6 5H | 40.4553999 | -81.1018622 | 40.4776485 | -81.1122841 |
| 10/24/2014 | CARROLL | PERRY | 34019226070000 | Drilled | CHESAPEAKE EXPLORATION LLC | LEGGETT 5-13-6 10H | 40.4553735 | -81.1019526 | 40.4405242 | -81.0841343 |
| 08/26/2014 | CARROLL | LOUDON | 34019226090000 | Drilled | CHESAPEAKE EXPLORATION LLC | WOODLAND 26-12-4 7H | 40.4878688 | -80.9510280 | 40.4683388 | -80.9387755 |
| 08/26/2014 | CARROLL | LOUDON | 34019226100000 | Drilled | CHESAPEAKE EXPLORATION LLC | WOODLAND 26-12-4 8H | 40.4879236 | -80.9510195 | 40.4690009 | -80.9371999 |
| 08/26/2014 | CARROLL | LOUDON | 34019226110000 | Drilled | CHESAPEAKE EXPLORATION LLC | WOODLAND 26-12-4 10H | 40.4880332 | -80.9510026 | 40.4696629 | -80.9356244 |
| 09/18/2014 | CARROLL | LOUDON | 34019226120000 | Permitted | CHESAPEAKE EXPLORATION LLC | WOODLAND 26-12-4 5H | 40.4880511 | -80.9509087 | 40.5036057 | -80.9585703 |
| 09/18/2014 | CARROLL | LOUDON | 34019226130000 | Permitted | CHESAPEAKE EXPLORATION LLC | WOODLAND 26-12-4 2H | 40.4879443 | -80.9509255 | 40.5009761 | -80.9645183 |
| 09/18/2014 | CARROLL | LOUDON | 34019226140000 | Drilled | CHESAPEAKE EXPLORATION LLC | WOODLAND 26-12-4 1H | 40.4878895 | -80.9509340 | 40.5007550 | -80.9668574 |
| 09/18/2014 | CARROLL | LOUDON | 34019226150000 | Drilled | CHESAPEAKE EXPLORATION LLC | WOODLAND 26-12-4 4H | 40.4879991 | -80.9509171 | 40.5027053 | -80.9606087 |
| 11/24/2014 | CARROLL | UNION | 34019226160000 | Drilled | CHESAPEAKE EXPLORATION LLC | SAUERS 8-14-6 6H | 40.5019688 | -81.1316139 | 40.4765300 | -81.1153487 |
| 09/25/2014 | CARROLL | AUGUSTA | 34019226170000 | Drilled | CHESAPEAKE EXPLORATION LLC | WEST 4-15-5 206H | 40.7196504 | -81.0350945 | 40.6960076 | -81.0209691 |
| 10/07/2014 | CARROLL | HARRISON | 34019226180000 | Permitted | R E GAS DEVELOPMENT LLC | GOEBELER UNIT 2H | 40.6439836 | -81.0981923 | 40.6599776 | -81.1114880 |
| 10/07/2014 | CARROLL | HARRISON | 34019226190000 | Permitted | R E GAS DEVELOPMENT LLC | GOEBELER UNIT 4H | 40.6439424 | -81.0981932 | 40.6612032 | -81.1090976 |
| 11/03/2014 | CARROLL | FOX | 34019226220000 | Permitted | CHESAPEAKE EXPLORATION LLC | CTF 32-13-4 6H | 40.5737006 | -80.9720952 | 40.5483325 | -80.9599452 |
| 11/03/2014 | CARROLL | FOX | 34019226230000 | Drilling | CHESAPEAKE EXPLORATION LLC | CTF 32-13-4 10H | 40.5736649 | -80.9718836 | 40.5511126 | -80.9517471 |
| 11/03/2014 | CARROLL | FOX | 34019226240000 | Permitted | CHESAPEAKE EXPLORATION LLC | CTF 32-13-4 210H | 40.5736557 | -80.9718154 | 40.5525384 | -80.9483704 |
| 11/03/2014 | CARROLL | FOX | 34019226250000 | Drilling | CHESAPEAKE EXPLORATION LLC | CTF 32-13-4 5H | 40.5735933 | -80.9718672 | 40.5901727 | -80.9801288 |
| 11/03/2014 | CARROLL | FOX | 34019226260000 | Permitted | CHESAPEAKE EXPLORATION LLC | CTF 32-13-4 3H | 40.5736052 | -80.9719390 | 40.5889001 | -80.9831143 |
| 11/03/2014 | CARROLL | FOX | 34019226270000 | Permitted | CHESAPEAKE EXPLORATION LLC | CTF 32-13-4 1H | 40.5736263 | -80.9720789 | 40.5867835 | -80.9878870 |
| 11/03/2014 | CARROLL | FOX | 34019226280000 | Drilling | CHESAPEAKE EXPLORATION LLC | CTF 32-13-4 205H | 40.5735814 | -80.9717991 | 40.5915465 | -80.9767051 |
| 01/14/2015 | CARROLL | WASHINGTON | 34019226290000 | Permitted | CHESAPEAKE EXPLORATION LLC | DEAN OTT 7-14-5 9H | 40.5723508 | -81.0102370 | 40.5544138 | -80.9971060 |
| 11/07/2014 | CARROLL | WASHINGTON | 34019226340000 | Drilling | R E GAS DEVELOPMENT LLC | KIKO UNIT 5H | 40.6432131 | -81.0746968 | 40.6237337 | -81.0572697 |
| 11/07/2014 | CARROLL | WASHINGTON | 34019226350000 | Drilling | R E GAS DEVELOPMENT LLC | KIKO UNIT 3H | 40.6432192 | -81.0747507 | 40.6303706 | -81.0672182 |
| 11/07/2014 | CARROLL | WASHINGTON | 34019226360000 | Permitted | R E GAS DEVELOPMENT LLC | KIKO UNIT 1H | 40.6432227 | -81.0748047 | 40.6292608 | -81.0693608 |
| 11/07/2014 | CARROLL | WASHINGTON | 34019226370000 | Drilling | R E GAS DEVELOPMENT LLC | KIKO UNIT 2H | 40.6432035 | -81.0745925 | 40.6568970 | -81.0803328 |
| 11/07/2014 | CARROLL | WASHINGTON | 34019226380000 | Permitted | R E GAS DEVELOPMENT LLC | KIKO UNIT 7H | 40.6432097 | -81.0746464 | 40.6266426 | -81.0554375 |
| 11/28/2014 | CARROLL | UNION | 34019226430000 | Permitted | CHESAPEAKE EXPLORATION LLC | SAUERS 8-14-6 210H | 40.5021274 | -81.1315567 | 40.4796099 | -81.1085512 |
| 11/28/2014 | CARROLL | UNION | 34019226440000 | Permitted | CHESAPEAKE EXPLORATION LLC | SAUERS 8-14-6 10H | 40.5020754 | -81.1315758 | 40.4786117 | -81.1108944 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 11/28/2014 | CARROLL | UNION | 34019226450000 | Drilling | CHESAPEAKE EXPLORATION LLC | SAUERS 8-14-6 8H | 40.5020208 | -81.1315949 | 40.4776004 | -81.1128388 |
| 12/19/2014 | CARROLL | LEE | 34019226460000 | Permitted | CHESAPEAKE EXPLORATION LLC | FROG RUN 5-13-5 2H | 40.5347979 | -80.9883236 | 40.5521954 | -81.0019032 |
| 01/14/2015 | CARROLL | WASHINGTON | 34019226510000 | Permitted | CHESAPEAKE EXPLORATION LLC | DEAN OTT 7-14-5 8H | 40.5723046 | -81.0102776 | 40.5535192 | -80.9992209 |
| 01/14/2015 | CARROLL | WASHINGTON | 34019226520000 | Permitted | CHESAPEAKE EXPLORATION LLC | DEAN OTT 7-14-5 6H | 40.5722151 | -81.0103588 | 40.5517298 | -81.0034540 |
| 01/14/2015 | CARROLL | WASHINGTON | 34019226530000 | Permitted | CHESAPEAKE EXPLORATION LLC | DEAN OTT 7-14-5 7H | 40.5722612 | -81.0103182 | 40.5526245 | -81.0013357 |
| 06/20/2011 | COLUMBIANA | MIDDLETON | 34029216930100 | Permitted | CHESAPEAKE EXPLORATION LLC | HOPPEL 35-7-1 8H | 40.7311131 | -80.5487537 | 40.7110947 | -80.5330017 |
| 07/15/2011 | COLUMBIANA | KNOX | 34029216940100 | Producing | CHESAPEAKE EXPLORATION LLC | SANOR FARMS 23-17-5 3H | 40.8472518 | -81.0044579 | 40.8584735 | -81.0105065 |
| 08/31/2011 | COLUMBIANA | MIDDLETON | 34029216950100 | Permitted | CHESAPEAKE EXPLORATION LLC | WEBER 35-7-1 8H | 40.7369601 | -80.5515920 | 40.7225139 | -80.5411903 |
| 07/02/2013 | COLUMBIANA | FRANKLIN | 34029216960000 | Drilled | CHESAPEAKE EXPLORATION LLC | SUMMITCREST 35-14-4 3H | 40.6550780 | -80.8918799 | 40.6687381 | -80.9051631 |
| 11/18/2011 | COLUMBIANA | WEST | 34029216970100 | Producing | CHESAPEAKE EXPLORATION LLC | AYRVIEW ACRES 27-16-5 3H | 40.7445285 | -81.0142023 | 40.7569075 | -81.0233690 |
| 10/12/2011 | COLUMBIANA | HANOVER | 34029216990100 | Permitted | CHESAPEAKE EXPLORATION LLC | JAN PAUL FARMS 17-15-4 3H | 40.7797547 | -80.9404556 | 40.7941617 | -80.9509532 |
| 11/08/2011 | COLUMBIANA | HANOVER | 34029217000100 | Permitted | CHESAPEAKE EXPLORATION LLC | TREBILCOCK 25-15-4 3H | 40.7505594 | -80.8644942 | 40.7618110 | -80.8726688 |
| 11/21/2011 | COLUMBIANA | WEST | 34029217010000 | Producing | CHESAPEAKE EXPLORATION LLC | AYRVIEW ACRES 27-16-5 1H | 40.7444992 | -81.0142715 | 40.7539559 | -81.0254744 |
| 11/21/2011 | COLUMBIANA | WEST | 34029217020000 | Producing | CHESAPEAKE EXPLORATION LLC | AYRVIEW ACRES 27-16-5 5H | 40.7444736 | -81.0141999 | 40.7578824 | -81.0193545 |
| 01/20/2012 | COLUMBIANA | WASHINGTON | 34029217040000 | Permitted | CHESAPEAKE EXPLORATION LLC | JANIE TRUST 5-12-3 3H | 40.6140611 | -80.7604519 | 40.6284846 | -80.7708842 |
| 02/10/2012 | COLUMBIANA | FRANKLIN | 34029217050100 | Producing | CHESAPEAKE EXPLORATION LLC | ALBANESO 24-14-4 8H | 40.6848558 | -80.8634803 | 40.6706711 | -80.8531935 |
| 01/30/2012 | COLUMBIANA | WASHINGTON | 34029217060100 | Drilled | CHESAPEAKE EXPLORATION LLC | JANIE TRUST 5-12-3 1H | 40.6140595 | -80.7605312 | 40.6254958 | -80.7733113 |
| 06/26/2012 | COLUMBIANA | MADISON | 34029217070000 | Permitted | CHESAPEAKE EXPLORATION LLC | KERNICH 3-10-2 8H | 40.7223594 | -80.6729687 | 40.7077785 | -80.6625290 |
| 02/08/2012 | COLUMBIANA | HANOVER | 34029217080000 | Producing | CHESAPEAKE EXPLORATION LLC | HENCEROTH 36-15-4 3H | 40.7383355 | -80.8684409 | 40.7527171 | -80.8789820 |
| 02/10/2012 | COLUMBIANA | MIDDLETON | 34029217090100 | Permitted | CHESAPEAKE EXPLORATION LLC | STATELINE RESOURCES 13-7-1 8H | 40.7784922 | -80.5293838 | 40.7708470 | -80.5211679 |
| 02/15/2012 | COLUMBIANA | FRANKLIN | 34029217100000 | Permitted | CHESAPEAKE EXPLORATION LLC | ALBANESO 24-14-4 10H | 40.6849048 | -80.8634466 | 40.6719205 | -80.8497733 |
| 02/16/2012 | COLUMBIANA | FRANKLIN | 34029217110000 | Permitted | CHESAPEAKE EXPLORATION LLC | ALBANESO 24-14-4 6H | 40.6848069 | -80.8635139 | 40.6691331 | -80.8564009 |
| 03/23/2012 | COLUMBIANA | HANOVER | 34029217120000 | Producing | CHESAPEAKE EXPLORATION LLC | HANOVER FARMS 34-15-4 3H | 40.7323019 | -80.9043784 | 40.7467304 | -80.9147844 |
| 02/16/2012 | COLUMBIANA | MADISON | 34029217130000 | Producing | CHESAPEAKE EXPLORATION LLC | ROSEBUD 16-10-2 8H | 40.6861522 | -80.7051400 | 40.6746715 | -80.6968178 |
| 06/07/2012 | COLUMBIANA | BUTLER | 34029217140100 | Permitted | CHESAPEAKE EXPLORATION LLC | HERRON TRUST NORTH 22-16-4 3H | 40.8563646 | -80.8996533 | 40.8705997 | -80.9105598 |
| 02/24/2012 | COLUMBIANA | HANOVER | 34029217150000 | Permitted | CHESAPEAKE EXPLORATION LLC | HENCEROTH 36-15-4 1H | 40.7383200 | -80.8685062 | 40.7512125 | -80.8824699 |
| 03/06/2012 | COLUMBIANA | WASHINGTON | 34029217160000 | Producing | CHESAPEAKE EXPLORATION LLC | JANIE TRUST 5-12-3 10H | 40.6139604 | -80.7605122 | 40.6032738 | -80.7494528 |
| 10/23/2012 | COLUMBIANA | ELK RUN | 34029217170000 | Drilled | CHESAPEAKE EXPLORATION LLC | REED 28-11-2 8H | 40.7492560 | -80.6926420 | 40.7339102 | -80.6809371 |
| 06/21/2012 | COLUMBIANA | UNITY | 34029217180100 | Drilled | CHESAPEAKE EXPLORATION LLC | FOWLER 32-8-1 1H | 40.8211171 | -80.6093435 | 40.8331194 | -80.6253424 |
| 03/05/2012 | COLUMBIANA | HANOVER | 34029217190100 | Producing | CHESAPEAKE EXPLORATION LLC | TREBILCOCK 25-15-4 1H | 40.7505303 | -80.8645671 | 40.7635365 | -80.8783854 |
| 03/23/2012 | COLUMBIANA | HANOVER | 34029217200000 | Producing | CHESAPEAKE EXPLORATION LLC | HANOVER FARMS 34-15-4 6H | 40.7321946 | -80.9043666 | 40.7163679 | -80.8971127 |
| 07/12/2012 | COLUMBIANA | FAIRFIELD | 34029217210100 | Producing | CHESAPEAKE EXPLORATION LLC | MELLINGER 7-12-2 8H | 40.8728208 | -80.7406757 | 40.8679948 | -80.7355132 |
| 03/12/2012 | COLUMBIANA | WEST | 34029217230000 | Producing | CHESAPEAKE EXPLORATION LLC | HENDERSON 25-16-5 8H | 40.7537257 | -80.9923546 | 40.7418800 | -80.9836439 |
| 03/19/2012 | COLUMBIANA | MADISON | 34029217240100 | Producing | CHESAPEAKE EXPLORATION LLC | KERNICH 3-10-2 1H | 40.7223852 | -80.6730402 | 40.7354018 | -80.6868803 |
| 06/05/2012 | COLUMBIANA | ELK RUN | 34029217250000 | Producing | CHESAPEAKE EXPLORATION LLC | MORRIS 28-11-2 3H | 40.7505735 | -80.7055553 | 40.7632888 | -80.7154691 |
| 06/05/2012 | COLUMBIANA | ELK RUN | 34029217260000 | Drilled | CHESAPEAKE EXPLORATION LLC | WESTOVER 21-11-2 8H | 40.7683645 | -80.6933308 | 40.7566955 | -80.6849442 |
| 03/30/2012 | COLUMBIANA | MIDDLETON | 34029217270100 | Drilled | CHESAPEAKE EXPLORATION LLC | CARNEY 17-7-1 3H | 40.7795677 | -80.6086035 | 40.7924375 | -80.6178777 |
| 04/02/2012 | COLUMBIANA | HANOVER | 34029217280000 | Producing | CHESAPEAKE EXPLORATION LLC | TREBILCOCK SOUTH 25-15-4 8H | 40.7504231 | -80.8645625 | 40.7361679 | -80.8541228 |
| 04/17/2012 | COLUMBIANA | HANOVER | 34029217290100 | Permitted | CHESAPEAKE EXPLORATION LLC | ALTENHOF 10-15-4 8H | 40.7923691 | -80.9098171 | 40.7780945 | -80.8992532 |
| 06/06/2012 | COLUMBIANA | ELK RUN | 34029217300100 | Producing | CHESAPEAKE EXPLORATION LLC | GRUBBS 6-11-2 6H | 40.8095677 | -80.7382939 | 40.8024715 | -80.7374529 |
| 04/26/2012 | COLUMBIANA | HANOVER | 34029217310000 | Permitted | CHESAPEAKE EXPLORATION LLC | TREBILCOCK SOUTH 25-15-4 6H | 40.7504781 | -80.8645648 | 40.7346843 | -80.8574943 |
| 05/02/2012 | COLUMBIANA | HANOVER | 34029217320000 | Permitted | CHESAPEAKE EXPLORATION LLC | ALTENHOF 10-15-4 6H | 40.7924239 | -80.9098158 | 40.7766994 | -80.9025695 |
| 05/09/2012 | COLUMBIANA | KNOX | 34029217330000 | Permitted | CHESAPEAKE EXPLORATION LLC | CONNY FARMS 13-17-5 8H | 40.8710672 | -80.9883190 | 40.8590134 | -80.9794356 |
| 05/14/2012 | COLUMBIANA | HANOVER | 34029217340000 | Producing | CHESAPEAKE EXPLORATION LLC | JAN PAUL FARMS 17-15-4 8H | 40.7797001 | -80.9402727 | 40.7652894 | -80.9297798 |
| 05/24/2012 | COLUMBIANA | CENTER | 34029217350000 | Producing | CHESAPEAKE EXPLORATION LLC | CROSSER 20-14-3 5H | 40.7643132 | -80.8390430 | 40.7771344 | -80.8449441 |
| 06/11/2012 | COLUMBIANA | HANOVER | 34029217360000 | Permitted | CHESAPEAKE EXPLORATION LLC | JAN PAUL FARMS 17-15-4 10H | 40.7797527 | -80.9403076 | 40.7666852 | -80.9264646 |
| 06/14/2012 | COLUMBIANA | SALEM | 34029217370000 | Producing | CHESAPEAKE EXPLORATION LLC | RIFFLE 21-15-3 10H | 40.8471089 | -80.8117614 | 40.8365012 | -80.7995180 |
| 06/15/2012 | COLUMBIANA | ELK RUN | 34029217380000 | Drilled | CHESAPEAKE EXPLORATION LLC | WALLACE 1-11-2 5H | 40.8045150 | -80.6387394 | 40.8203423 | -80.6458296 |
| 06/18/2012 | COLUMBIANA | HANOVER | 34029217390000 | Permitted | CHESAPEAKE EXPLORATION LLC | JAN PAUL FARMS 17-15-4 6H | 40.7797011 | -80.9403449 | 40.7638934 | -80.9330985 |
| 06/20/2012 | COLUMBIANA | UNITY | 34029217400000 | Permitted | SWEPI LP | DALTON 101-6HD | 40.8567600 | -80.5810583 | 40.8509117 | -80.5779267 |
| 08/29/2012 | COLUMBIANA | KNOX | 34029217410000 | Permitted | CHESAPEAKE EXPLORATION LLC | KIBLER 16-17-5 8H | 40.8618726 | -81.0394001 | 40.8474475 | -81.0289635 |
| 07/02/2012 | COLUMBIANA | BUTLER | 34029217420100 | Permitted | SIERRA RESOURCES LLC | KIKO UNIT 19-16-4 1H | 40.8537683 | -80.9585179 | 40.8403615 | -80.9488244 |
| 07/17/2012 | COLUMBIANA | CENTER | 34029217430000 | Producing | CHESAPEAKE EXPLORATION LLC | ANDRULIS 29-14-3 8H | 40.7473667 | -80.8309773 | 40.7330550 | -80.8204600 |
| 08/09/2012 | COLUMBIANA | HANOVER | 34029217440000 | Permitted | CHESAPEAKE EXPLORATION LLC | HAYS TRUST 17-15-4 1H | 40.7735222 | -80.9503377 | 40.7840804 | -80.9623487 |
| 10/15/2012 | COLUMBIANA | SALEM | 34029217470000 | Producing | CHESAPEAKE EXPLORATION LLC | WEAVER 23-15-3 3H | 40.8553460 | -80.7745091 | 40.8654002 | -80.7818664 |
| 09/04/2012 | COLUMBIANA | CENTER | 34029217480000 | Producing | CHESAPEAKE EXPLORATION LLC | MRUGALA 6-14-3 10H | 40.8100697 | -80.8503974 | 40.7979606 | -80.8373219 |
| 10/04/2012 | COLUMBIANA | FAIRFIELD | 34029217490000 | Drilled | CHESAPEAKE EXPLORATION LLC | LEHMAN 24-12-2 8H | 40.8482505 | -80.6451567 | 40.8334623 | -80.6345969 |
| 09/27/2012 | COLUMBIANA | SALEM | 34029217500000 | Producing | CHESAPEAKE EXPLORATION LLC | ROY D 31-15-3 8H | 40.8259490 | -80.8490588 | 40.8139450 | -80.8402197 |
| 10/01/2012 | COLUMBIANA | ELK RUN | 34029217510000 | Drilled | CHESAPEAKE EXPLORATION LLC | CHAMBERLAIN 2-11-2 5H | 40.8047334 | -80.6522532 | 40.8190946 | -80.6583683 |
| 10/04/2012 | COLUMBIANA | SALEM | 34029217520000 | Permitted | CHESAPEAKE EXPLORATION LLC | MUELLER 29-15-3 5H | 40.8326669 | -80.8278123 | 40.8483675 | -80.8349717 |
| 10/15/2012 | COLUMBIANA | FRANKLIN | 34029217530000 | Producing | CHESAPEAKE EXPLORATION LLC | MILLTREE 1-14-4 3H | 40.7170344 | -80.8659664 | 40.7317948 | -80.8768696 |
| 12/18/2012 | COLUMBIANA | FRANKLIN | 34029217540000 | Producing | CHESAPEAKE EXPLORATION LLC | MILLTREE 1-14-4 8H | 40.7169658 | -80.8659681 | 40.7022637 | -80.8553784 |
| 10/15/2012 | COLUMBIANA | MIDDLETON | 34029217550000 | Permitted | CHESAPEAKE EXPLORATION LLC | BENNER 3-7-1 5H | 40.8033682 | -80.5721087 | 40.8185202 | -80.5776305 |
| 10/24/2012 | COLUMBIANA | SALEM | 34029217560000 | Producing | CHESAPEAKE EXPLORATION LLC | MUELLER 29-15-3 3H | 40.8326930 | -80.8279020 | 40.8473138 | -80.8386097 |
| 11/15/2012 | COLUMBIANA | FAIRFIELD | 34029217570000 | Producing | CHESAPEAKE EXPLORATION LLC | HARTZ 18-12-2 1H | 40.8607264 | -80.7454700 | 40.8694381 | -80.7565008 |
| 11/16/2012 | COLUMBIANA | ELK RUN | 34029217580000 | Permitted | CHESAPEAKE EXPLORATION LLC | RALPH 29-11-2 3H | 40.7450995 | -80.7168501 | 40.7582426 | -80.7262629 |
| 01/29/2013 | COLUMBIANA | CENTER | 34029217590000 | Producing | CHESAPEAKE EXPLORATION LLC | TRITTEN 9-14-3 3H | 40.7849046 | -80.8202514 | 40.8002827 | -80.8312378 |
| 01/08/2013 | COLUMBIANA | SALEM | 34029217630100 | Producing | HILCORP ENERGY COMPANY | SALEM-GRUBBS 1H | 40.8320151 | -80.7684700 | 40.8196439 | -80.7600951 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 08/23/2013 | COLUMBIANA | FRANKLIN | 34029217650000 | Permitted | CHESAPEAKE EXPLORATION LLC | HRUBY 11-14-4 8H | 40.7141923 | -80.8944737 | 40.7010175 | -80.8845337 |
| 02/25/2013 | COLUMBIANA | CENTER | 34029217660000 | Producing | CHESAPEAKE EXPLORATION LLC | DYE 19-14-3 10H | 40.7613671 | -80.8577071 | 40.7469118 | -80.8448572 |
| 01/28/2013 | COLUMBIANA | FRANKLIN | 34029217670000 | Producing | CHESAPEAKE EXPLORATION LLC | BRICELAND TRUST 24-14-4 8H | 40.6840966 | -80.8759153 | 40.6692117 | -80.8645761 |
| 04/24/2013 | COLUMBIANA | FRANKLIN | 34029217730000 | Producing | CHESAPEAKE EXPLORATION LLC | HRUBY FARMS 10-14-4 8H | 40.7077492 | -80.9023497 | 40.6917325 | -80.8909631 |
| 08/01/2013 | COLUMBIANA | FRANKLIN | 34029217740000 | Drilled | CHESAPEAKE EXPLORATION LLC | LEONA 23-14-4 8H | 40.6727412 | -80.8840317 | 40.6575972 | -80.8685174 |
| 10/22/2013 | COLUMBIANA | FRANKLIN | 34029217750000 | Permitted | CHESAPEAKE EXPLORATION LLC | LEONA 23-14-4 6H | 40.6727150 | -80.8841225 | 40.6566356 | -80.8707832 |
| 10/22/2013 | COLUMBIANA | FRANKLIN | 34029217790000 | Permitted | CHESAPEAKE EXPLORATION LLC | LEONA 23-14-4 10H | 40.6727960 | -80.8840304 | 40.6585056 | -80.8663754 |
| 01/02/2014 | COLUMBIANA | FRANKLIN | 34029217800000 | Producing | CHESAPEAKE EXPLORATION LLC | BRICELAND TRUST 24-14-4 5H | 40.6842064 | -80.8759127 | 40.7145205 | -80.8937947 |
| 03/29/2013 | COLUMBIANA | FRANKLIN | 34029217890000 | Drilled | CHESAPEAKE EXPLORATION LLC | MANZIEL 31-13-3 10H | 40.6506025 | -80.8436995 | 40.6383457 | -80.8290746 |
| 03/12/2013 | COLUMBIANA | CENTER | 34029217930000 | Producing | CHESAPEAKE EXPLORATION LLC | DYE 19-14-3 5H | 40.7614170 | -80.8577420 | 40.7768487 | -80.8663844 |
| 06/28/2013 | COLUMBIANA | FRANKLIN | 34029217940000 | Permitted | CHESAPEAKE EXPLORATION LLC | LAMP 18-13-3 8H | 40.6945348 | -80.8582101 | 40.6804608 | -80.8478265 |
| 06/07/2013 | COLUMBIANA | SALEM | 34029217990000 | Drilled | CHESAPEAKE EXPLORATION LLC | MANGUS 3-15-3 1H | 40.8914196 | -80.7959580 | 40.9046656 | -80.8102421 |
| 08/16/2013 | COLUMBIANA | HANOVER | 34029218040100 | Producing | CHESAPEAKE EXPLORATION LLC | ALTENHOF 10-15-4 3H | 40.7919894 | -80.9101585 | 40.8075574 | -80.9200313 |
| 09/16/2013 | COLUMBIANA | HANOVER | 34029218050000 | Producing | CHESAPEAKE EXPLORATION LLC | JUDY BROWN 27-15-4 3H | 40.7489553 | -80.9024075 | 40.7615356 | -80.9125675 |
| 05/30/2013 | COLUMBIANA | WASHINGTON | 34029218070000 | Drilled | CHESAPEAKE EXPLORATION LLC | SEVEK 18-12-3 8H | 40.6285567 | -80.7888341 | 40.6114152 | -80.7771967 |
| 07/08/2013 | COLUMBIANA | WAYNE | 34029218120000 | Permitted | CHESAPEAKE EXPLORATION LLC | MCKARNS 8-13-3 8H | 40.7054427 | -80.8405091 | 40.6909826 | -80.8299352 |
| 05/20/2013 | COLUMBIANA | FRANKLIN | 34029218130000 | Producing | CHESAPEAKE EXPLORATION LLC | PITTS 22-14-4 3H | 40.6852042 | -80.9154025 | 40.6991039 | -80.9249503 |
| 05/20/2013 | COLUMBIANA | FRANKLIN | 34029218140000 | Producing | CHESAPEAKE EXPLORATION LLC | PITTS 22-14-4 8H | 40.6850658 | -80.9153192 | 40.6709509 | -80.9041797 |
| 12/17/2013 | COLUMBIANA | FRANKLIN | 34029218150000 | Producing | CHESAPEAKE EXPLORATION LLC | PITTS 22-14-4 6H | 40.6850945 | -80.9154087 | 40.6697882 | -80.9076257 |
| 12/17/2013 | COLUMBIANA | FRANKLIN | 34029218160000 | Producing | CHESAPEAKE EXPLORATION LLC | PITTS 22-14-4 1H | 40.6851493 | -80.9154038 | 40.6992177 | -80.9298424 |
| 05/13/2013 | COLUMBIANA | HANOVER | 34029218170000 | Permitted | CHESAPEAKE EXPLORATION LLC | JUDY BROWN 27-15-4 8H | 40.7488247 | -80.9022988 | 40.7334685 | -80.8923832 |
| 07/10/2013 | COLUMBIANA | HANOVER | 34029218180000 | Producing | CHESAPEAKE EXPLORATION LLC | FRANK ZEHENTBAUER 26-15-4 3H | 40.7471182 | -80.8876702 | 40.7644808 | -80.9012608 |
| 07/02/2013 | COLUMBIANA | FRANKLIN | 34029218200000 | Drilled | CHESAPEAKE EXPLORATION LLC | SUMMITCREST 35-14-4 8H | 40.6549363 | -80.8919554 | 40.6388177 | -80.8831559 |
| 06/21/2013 | COLUMBIANA | HANOVER | 34029218220000 | Producing | CHESAPEAKE EXPLORATION LLC | MOATS 31-15-4 1H | 40.7394107 | -80.9610924 | 40.7484372 | -80.9736035 |
| 07/10/2013 | COLUMBIANA | HANOVER | 34029218230000 | Producing | CHESAPEAKE EXPLORATION LLC | JUDY BROWN 27-15-4 6H | 40.7488452 | -80.9023921 | 40.7319677 | -80.8957794 |
| 07/23/2013 | COLUMBIANA | HANOVER | 34029218240000 | Producing | CHESAPEAKE EXPLORATION LLC | FRANK ZEHENTBAUER 26-15-4 10H | 40.7471031 | -80.8875731 | 40.7350647 | -80.8753280 |
| 10/30/2014 | COLUMBIANA | SALEM | 34029218260000 | Permitted | HILCORP ENERGY COMPANY | SALEM-GRUBBS 2H | 40.8319741 | -80.7684819 | 40.8557269 | -80.7819655 |
| 10/30/2014 | COLUMBIANA | SALEM | 34029218270000 | Permitted | HILCORP ENERGY COMPANY | SALEM-GRUBBS 3H | 40.8319359 | -80.7684973 | 40.8538472 | -80.7845958 |
| 08/29/2013 | COLUMBIANA | UNITY | 34029218280100 | Producing | ATLAS NOBLE LLC | FIRESTONE HOMESTEAD PAD B 3H | 40.8788329 | -80.6263916 | 40.8915321 | -80.6410059 |
| 08/29/2013 | COLUMBIANA | UNITY | 34029218290000 | Producing | ATLAS NOBLE LLC | FIRESTONE HOMESTEAD PAD B 5H | 40.8788449 | -80.6262863 | 40.8915289 | -80.6342010 |
| 08/29/2013 | COLUMBIANA | UNITY | 34029218300000 | Producing | ATLAS NOBLE LLC | FIRESTONE HOMESTEAD PAD B 4H | 40.8788402 | -80.6263371 | 40.8915318 | -80.6377681 |
| 10/16/2013 | COLUMBIANA | HANOVER | 34029218340000 | Permitted | CHESAPEAKE EXPLORATION LLC | SOSENKO 14-15-4 5H | 40.7783606 | -80.8906048 | 40.7942162 | -80.8965665 |
| 11/19/2013 | COLUMBIANA | HANOVER | 34029218350000 | Permitted | CHESAPEAKE EXPLORATION LLC | SOSENKO 14-15-4 6H | 40.7782654 | -80.8906685 | 40.7647320 | -80.8808114 |
| 11/19/2013 | COLUMBIANA | HANOVER | 34029218370000 | Permitted | CHESAPEAKE EXPLORATION LLC | SOSENKO 14-15-4 8H | 40.7782558 | -80.8905712 | 40.7662725 | -80.8771450 |
| 12/26/2013 | COLUMBIANA | FRANKLIN | 34029218380000 | Producing | CHESAPEAKE EXPLORATION LLC | PITTS 22-14-4 5H | 40.6851755 | -80.9153130 | 40.6993475 | -80.9207099 |
| 12/26/2013 | COLUMBIANA | FRANKLIN | 34029218390000 | Producing | CHESAPEAKE EXPLORATION LLC | PITTS 22-14-4 10H | 40.6851207 | -80.9153179 | 40.6722732 | -80.9007659 |
| 03/28/2014 | COLUMBIANA | BUTLER | 34029218440000 | Drilled | CHESAPEAKE EXPLORATION LLC | HUFFMAN TRUST 36-16-4 1H | 40.8216907 | -80.8726905 | 40.8431417 | -80.8942432 |
| 02/21/2014 | COLUMBIANA | BUTLER | 34029218450000 | Permitted | CHESAPEAKE EXPLORATION LLC | HUFFMAN TRUST 36-16-4 8H | 40.8216071 | -80.8726022 | 40.8069958 | -80.8627255 |
| 02/21/2014 | COLUMBIANA | BUTLER | 34029218460000 | Drilled | CHESAPEAKE EXPLORATION LLC | HUFFMAN TRUST 36-16-4 10H | 40.8216620 | -80.8726008 | 40.8084775 | -80.8592096 |
| 05/09/2014 | COLUMBIANA | HANOVER | 34029218470000 | Drilled | CHESAPEAKE EXPLORATION LLC | D & B KIBLER 29-15-4 1H | 40.7453850 | -80.9406032 | 40.7719734 | -80.9695229 |
| 09/15/2014 | COLUMBIANA | FAIRFIELD | 34029218500000 | Permitted | ATLAS NOBLE LLC | FIRESTONE HOMESTEAD PAD A 2H | 40.8742520 | -80.6342359 | 40.8873329 | -80.6495997 |
| 09/16/2014 | COLUMBIANA | FAIRFIELD | 34029218510000 | Permitted | ATLAS NOBLE LLC | FIRESTONE HOMESTEAD PAD A 3H | 40.8742992 | -80.6342707 | 40.8909873 | -80.6496097 |
| 09/18/2014 | COLUMBIANA | | 34029218520000 | Permitted | ATLAS NOBLE LLC | FIRESTONE HOMESTEAD PAD A 4H | 40.8743465 | -80.6343092 | 40.8915277 | -80.6460022 |
| 09/18/2014 | COLUMBIANA | FAIRFIELD | 34029218530000 | Permitted | ATLAS NOBLE LLC | FIRESTONE HOMESTEAD PAD A 1H | 40.8742047 | -80.6341975 | 40.8837478 | -80.6496276 |
| 10/30/2014 | COLUMBIANA | SALEM | 34029218540000 | Permitted | HILCORP ENERGY COMPANY | SALEM-GRUBBS 4H | 40.8318950 | -80.7685129 | 40.8075519 | -80.7569513 |
| 11/13/2014 | COLUMBIANA | FAIRFIELD | 34029218550000 | Permitted | HILCORP ENERGY COMPANY | FAIRFIELD-MCNICOL 1H | 40.8481740 | -80.7105786 | 40.8713062 | -80.7292948 |
| 11/13/2014 | COLUMBIANA | FAIRFIELD | 34029218560000 | Permitted | HILCORP ENERGY COMPANY | FAIRFIELD-MCNICOL 5H | 40.8480092 | -80.7105795 | 40.8322861 | -80.7025030 |
| 11/13/2014 | COLUMBIANA | FAIRFIELD | 34029218570000 | Permitted | HILCORP ENERGY COMPANY | FAIRFIELD-MCNICOL 4H | 40.8480504 | -80.7105784 | 40.8310114 | -80.7056135 |
| 11/13/2014 | COLUMBIANA | FAIRFIELD | 34029218580000 | Permitted | HILCORP ENERGY COMPANY | FAIRFIELD-MCNICOL 9H | 40.8480710 | -80.7104874 | 40.8358825 | -80.6926964 |
| 11/14/2014 | COLUMBIANA | FAIRFIELD | 34029218590000 | Permitted | HILCORP ENERGY COMPANY | FAIRFIELD-MCNICOL 11H | 40.8479886 | -80.7104896 | 40.8334980 | -80.6992496 |
| 11/14/2014 | COLUMBIANA | FAIRFIELD | 34029218600000 | Permitted | HILCORP ENERGY COMPANY | FAIRFIELD-MCNICOL 10H | 40.8480298 | -80.7104885 | 40.8347758 | -80.6959978 |
| 12/11/2014 | COLUMBIANA | FAIRFIELD | 34029218610000 | Permitted | HILCORP ENERGY COMPANY | FAIRFIELD-NOLKER 7H | 40.8437833 | -80.7303777 | 40.8252785 | -80.7068204 |
| 12/11/2014 | COLUMBIANA | FAIRFIELD | 34029218620000 | Permitted | HILCORP ENERGY COMPANY | FAIRFIELD-NOLKER 1H | 40.8438515 | -80.7303506 | 40.8238946 | -80.7099696 |
| 12/12/2014 | COLUMBIANA | FAIRFIELD | 34029218630000 | Permitted | HILCORP ENERGY COMPANY | FAIRFIELD-BLOCKSOM 11H | 40.8143868 | -80.6849573 | 40.8332053 | -80.6912803 |
| 01/07/2015 | COLUMBIANA | FAIRFIELD | 34029218640000 | Permitted | HILCORP ENERGY COMPANY | FAIRFIELD-NOLKER 8H | 40.8437841 | -80.7304319 | 40.8675215 | -80.7404585 |
| 01/07/2015 | COLUMBIANA | FAIRFIELD | 34029218650000 | Permitted | HILCORP ENERGY COMPANY | FAIRFIELD-NOLKER 5H | 40.8438521 | -80.7305675 | 40.8581667 | -80.7499094 |
| 01/07/2015 | COLUMBIANA | FAIRFIELD | 34029218660000 | Permitted | HILCORP ENERGY COMPANY | FAIRFIELD-NOLKER 3H | 40.8438532 | -80.7304590 | 40.8647679 | -80.7467407 |
| 01/07/2015 | COLUMBIANA | FAIRFIELD | 34029218670000 | Permitted | HILCORP ENERGY COMPANY | FAIRFIELD-NOLKER 2H | 40.8438524 | -80.7304048 | 40.8661434 | -80.7436883 |
| 01/07/2015 | COLUMBIANA | FAIRFIELD | 34029218680000 | Permitted | HILCORP ENERGY COMPANY | FAIRFIELD-NOLKER 11H | 40.8437839 | -80.7305946 | 40.8198127 | -80.7193673 |
| 01/07/2015 | COLUMBIANA | FAIRFIELD | 34029218690000 | Permitted | HILCORP ENERGY COMPANY | FAIRFIELD-NOLKER 9H | 40.8437850 | -80.7304862 | 40.8225209 | -80.7130821 |
| 01/07/2015 | COLUMBIANA | FAIRFIELD | 34029218700000 | Permitted | HILCORP ENERGY COMPANY | FAIRFIELD-NOLKER 4H | 40.8438540 | -80.7305132 | 40.8587980 | -80.7462949 |
| 01/07/2015 | COLUMBIANA | FAIRFIELD | 34029218710000 | Permitted | HILCORP ENERGY COMPANY | FAIRFIELD-NOLKER 10H | 40.8437858 | -80.7305404 | 40.8211444 | -80.7161946 |
| 01/08/2015 | COLUMBIANA | FAIRFIELD | 34029218720000 | Permitted | HILCORP ENERGY COMPANY | FAIRFIELD-BLOCKSOM 3H | 40.8143203 | -80.6850928 | 40.8308730 | -80.6978282 |
| 01/08/2015 | COLUMBIANA | FAIRFIELD | 34029218730000 | Permitted | HILCORP ENERGY COMPANY | FAIRFIELD-BLOCKSOM 7H | 40.8143902 | -80.6851740 | 40.8294983 | -80.7013751 |
| 01/08/2015 | COLUMBIANA | FAIRFIELD | 34029218740000 | Permitted | HILCORP ENERGY COMPANY | FAIRFIELD-BLOCKSOM 8H | 40.8143893 | -80.6851198 | 40.8281722 | -80.7045338 |
| 01/08/2015 | COLUMBIANA | FAIRFIELD | 34029218750000 | Permitted | HILCORP ENERGY COMPANY | FAIRFIELD-BLOCKSOM 10H | 40.8143876 | -80.6850115 | 40.8320961 | -80.6945961 |
| 10/26/2011 | COSHOCTON | LINTON | 34031271760100 | Permitted | ANADARKO E & P ONSHORE LLC | CSPC COSH LINTON B-1H | 40.1915990 | -81.7686309 | 40.2034898 | -81.7775793 |
| 04/20/2012 | COSHOCTON | LINTON | 34031271890100 | Permitted | ARTEX OIL COMPANY | CSPC COSH LINTON B-3H | 40.1916812 | -81.7686085 | 40.2019603 | -81.7813904 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 05/22/2012 | COSHOCTON | MILL CREEK | 34031271900100 | Producing | NGO DEVELOPMENT CORP. | COSH MILL CREEK A-1H | 40.3825193 | -81.8841846 | 40.3938471 | -81.8927427 |
| 09/04/2012 | COSHOCTON | OXFORD | 34031272050100 | Drilled | DEVON ENERGY PRODUCTION CO | J HILL 1H | 40.2379695 | -81.6995911 | 40.2253302 | -81.6963047 |
| 09/14/2012 | COSHOCTON | MILL CREEK | 34031272070100 | Permitted | DEVON ENERGY PRODUCTION CO | JOHN LOWE 1H | 40.4336994 | -81.8760280 | 40.4456860 | -81.8799002 |
| 06/13/2014 | GEAUGA | PARKMAN | 34055221360100 | Permitted | CHESAPEAKE EXPLORATION LLC | MAST GEA 6H | 41.4087254 | -81.0766450 | 41.3920191 | -81.0710293 |
| 08/25/2011 | GUERNSEY | WHEELING | 34059241830100 | Producing | ENERVEST OPERATING L | RHDK INVESTMENTS 21-4-4 8H | 40.1522973 | -81.6383364 | 40.1409228 | -81.6355306 |
| 07/22/2011 | GUERNSEY | LIBERTY | 34059241840100 | Permitted | CHESAPEAKE EXPLORATION LLC | RINGER 25-4-3 3H | 40.1563166 | -81.6180127 | 40.1718294 | -81.6294625 |
| 07/25/2011 | GUERNSEY | WHEELING | 34059241860100 | Permitted | CHESAPEAKE EXPLORATION LLC | HAMBRIGHT 16-4-3 8H | 40.1782102 | -81.6178269 | 40.1627018 | -81.6063786 |
| 09/07/2011 | GUERNSEY | SPENCER | 34059241900100 | Producing | ARTEX OIL COMPANY | FREC GUER SPENCER A-1H | 39.8719753 | -81.6840387 | 39.8851479 | -81.6892046 |
| 11/14/2011 | GUERNSEY | SPENCER | 34059242000000 | Producing | ARTEX OIL COMPANY | FREC GUER SPENCER A-5H | 39.8720535 | -81.6842231 | 39.8851626 | -81.6929319 |
| 11/29/2013 | GUERNSEY | SPENCER | 34059242040000 | Permitted | ARTEX OIL COMPANY | FREC GUER SPENCER A-3H | 39.8720144 | -81.6841273 | 39.8886347 | -81.6868511 |
| 04/20/2012 | GUERNSEY | MADISON | 34059242060100 | Producing | GULFPORT ENERGY CORPORATION | GROH 1-12H | 40.1107845 | -81.3707194 | 40.0978180 | -81.3612612 |
| 05/25/2012 | GUERNSEY | WILLS | 34059242110100 | Producing | PDC ENERGY INC | ONEGA COMMISSIONERS 14-25H | 39.9981889 | -81.4369753 | 40.0105879 | -81.4367855 |
| 06/08/2012 | GUERNSEY | WHEELING | 34059242130000 | Permitted | ENERVEST OPERATING L | RHDK INVESTMENTS 21-4-4 9H | 40.1523496 | -81.6383608 | 40.1378000 | -81.6386740 |
| 08/20/2014 | GUERNSEY | WHEELING | 34059242130100 | Permitted | ENERVEST OPERATING L | RHDK INVESTMENTS 21-4-4 9H | 40.1523469 | -81.6383644 | 40.1378000 | -81.6386740 |
| 06/21/2012 | GUERNSEY | KNOX | 34059242180000 | Drilled | DEVON ENERGY PRODUCTION CO | D BRILL 1H | 40.1230350 | -81.6830861 | 40.1316779 | -81.6848510 |
| 06/22/2012 | GUERNSEY | CENTER | 34059242190100 | Producing | DEVON ENERGY PRODUCTION CO | THE CHUMNEY FAMILY TRUST 1H | 40.0118937 | -81.4649445 | 39.9991180 | -81.4650743 |
| 07/19/2013 | GUERNSEY | LONDONDERRY | 34059242200000 | Drilled | GULFPORT ENERGY CORPORATION | RIPLEY 1-26H | 40.1445584 | -81.3053211 | 40.1316977 | -81.2919597 |
| 01/07/2013 | GUERNSEY | OXFORD | 34059242210000 | Producing | HESS OHIO DEVELOPMENTS LLC | CNXGUE 10N7W 1H-8 | 40.0578718 | -81.2669438 | 40.0712322 | -81.2747033 |
| 08/20/2012 | GUERNSEY | LONDONDERRY | 34059242230100 | Permitted | GULFPORT ENERGY CORPORATION | MILLER 1-25H | 40.1286955 | -81.3112021 | 40.1438513 | -81.3217661 |
| 07/19/2012 | GUERNSEY | WILLS | 34059242240000 | Producing | PDC ENERGY INC | DETWEILER 42-3H | 39.9888299 | -81.3866320 | 40.0014891 | -81.3869466 |
| 07/26/2012 | GUERNSEY | RICHLAND | 34059242250100 | Permitted | CARRIZO (UTICA) LLC | DUCH 1-H | 39.9413178 | -81.4200874 | 39.9486461 | -81.4261585 |
| 08/01/2012 | GUERNSEY | RICHLAND | 34059242280100 | Permitted | CARRIZO (UTICA) LLC | POTTS NE 1-H | 39.9678695 | -81.4059633 | 39.9534955 | -81.3955131 |
| 08/06/2012 | GUERNSEY | LIBERTY | 34059242290000 | Permitted | ENERVEST OPERATING L | RINGER 25-4-3 8H | 40.1562619 | -81.6180492 | 40.1407774 | -81.6065146 |
| 09/13/2012 | GUERNSEY | SPENCER | 34059242300100 | Producing | EQT PRODUCTION COMPANY | SPENCER 580004 | 39.9014023 | -81.6529686 | 39.9127825 | -81.6629937 |
| 08/29/2012 | GUERNSEY | WHEELING | 34059242320000 | Permitted | ENERVEST OPERATING L | RHDK INVESTMENTS 21-4-4 6H | 40.1522449 | -81.6383120 | 40.1375113 | -81.6307770 |
| 08/20/2014 | GUERNSEY | WHEELING | 34059242320100 | Permitted | ENERVEST OPERATING L | RHDK INVESTMENTS 21-4-4 6H | 40.1522449 | -81.6383120 | 40.1375113 | -81.6307770 |
| 08/29/2012 | GUERNSEY | LIBERTY | 34059242330000 | Permitted | ENERVEST OPERATING L | RINGER 25-4-3 6H | 40.1562614 | -81.6179776 | 40.1421938 | -81.6032451 |
| 01/07/2013 | GUERNSEY | OXFORD | 34059242340000 | Producing | HESS OHIO DEVELOPMENTS LLC | CNXGUE 10N7W 2H-8 | 40.0578957 | -81.2668683 | 40.0733861 | -81.2716922 |
| 01/07/2013 | GUERNSEY | OXFORD | 34059242350000 | Producing | HESS OHIO DEVELOPMENTS LLC | CNXGUE 10N7W 3H-8 | 40.0578451 | -81.2670157 | 40.0674804 | -81.2769134 |
| 09/14/2012 | GUERNSEY | CENTER | 34059242360000 | Permitted | DEVON ENERGY PRODUCTION CO | CHUMNEY FAMILY TRUST 2H | 40.0118923 | -81.4647839 | 39.9993231 | -81.4612447 |
| 01/18/2013 | GUERNSEY | VALLEY | 34059242380100 | Producing | EQT PRODUCTION COMPANY | CLARK 580008 | 39.9162287 | -81.6105125 | 39.9347837 | -81.6216937 |
| 12/18/2012 | GUERNSEY | RICHLAND | 34059242420000 | Producing | PDC ENERGY INC | STIERS 1-H | 39.9510409 | -81.4346788 | 39.9645384 | -81.4323883 |
| 02/28/2013 | GUERNSEY | RICHLAND | 34059242430000 | Producing | PDC ENERGY INC | STIERS 3-H | 39.9511209 | -81.4347168 | 39.9635162 | -81.4250653 |
| 02/28/2013 | GUERNSEY | RICHLAND | 34059242440000 | Producing | PDC ENERGY INC | STIERS 2-H | 39.9510822 | -81.4346960 | 39.9644562 | -81.4284865 |
| 01/24/2013 | GUERNSEY | OXFORD | 34059242500000 | Producing | HESS OHIO DEVELOPMENTS LLC | CNXGUE 10N7W 4H-8 | 40.0579224 | -81.2667964 | 40.0742496 | -81.2678998 |
| 02/11/2013 | GUERNSEY | MILLWOOD | 34059242520100 | Producing | R E GAS DEVELOPMENT LLC | J ANDERSON 1H | 39.9747816 | -81.2694962 | 39.9830475 | -81.2788997 |
| 02/11/2013 | GUERNSEY | MILLWOOD | 34059242530000 | Producing | R E GAS DEVELOPMENT LLC | J ANDERSON 5H | 39.9748178 | -81.2692850 | 39.9922901 | -81.2735190 |
| 02/11/2013 | GUERNSEY | MILLWOOD | 34059242540000 | Producing | R E GAS DEVELOPMENT LLC | J ANDERSON 3H | 39.9747997 | -81.2693924 | 39.9874015 | -81.2759787 |
| 02/11/2013 | GUERNSEY | MILLWOOD | 34059242550000 | Producing | R E GAS DEVELOPMENT LLC | J ANDERSON 2H | 39.9750391 | -81.2694381 | 39.9861057 | -81.2780929 |
| 02/11/2013 | GUERNSEY | MILLWOOD | 34059242560000 | Producing | R E GAS DEVELOPMENT LLC | J ANDERSON 4H | 39.9748101 | -81.2693387 | 39.9887069 | -81.2739999 |
| 02/27/2013 | GUERNSEY | VALLEY | 34059242640000 | Producing | EQT PRODUCTION COMPANY | CLARK 580007 | 39.9162698 | -81.6105120 | 39.9324643 | -81.6243084 |
| 04/15/2013 | GUERNSEY | RICHLAND | 34059242730100 | Producing | CARRIZO (UTICA) LLC | RECTOR 1-H | 39.9559413 | -81.3972293 | 39.9373313 | -81.3837158 |
| 06/03/2013 | GUERNSEY | SPENCER | 34059242740100 | Producing | EQT PRODUCTION COMPANY | NCD3 580011 | 39.9221582 | -81.6257859 | 39.9347754 | -81.6346103 |
| 10/16/2013 | GUERNSEY | SPENCER | 34059242760100 | Producing | EQT PRODUCTION COMPANY | NCD3 580010 | 39.9221586 | -81.6258394 | 39.9352051 | -81.6392729 |
| 11/29/2013 | GUERNSEY | SPENCER | 34059242800100 | Drilled | EQT PRODUCTION COMPANY | DOBECK 580015 | 39.9156681 | -81.6328017 | 39.9351377 | -81.6435674 |
| 09/24/2013 | GUERNSEY | SPENCER | 34059242850100 | Drilling | EQT PRODUCTION COMPANY | DOBECK 580014 | 39.9157093 | -81.6328012 | 39.9369136 | -81.6495581 |
| 07/18/2013 | GUERNSEY | LONDONDERRY | 34059242890000 | Permitted | GULFPORT ENERGY CORPORATION | MILLER 4-25H | 40.1286093 | -81.3110891 | 40.1482332 | -81.3190766 |
| 07/18/2013 | GUERNSEY | LONDONDERRY | 34059242900000 | Drilled | GULFPORT ENERGY CORPORATION | MILLER 3-25H | 40.1285681 | -81.3110934 | 40.1482332 | -81.3190766 |
| 07/23/2014 | GUERNSEY | LONDONDERRY | 34059242910100 | Drilled | GULFPORT ENERGY CORPORATION | MILLER 2-25H | 40.1285270 | -81.3110941 | 40.1484291 | -81.3241136 |
| 06/27/2013 | GUERNSEY | WILLS | 34059242920000 | Producing | PDC ENERGY INC | DETWEILER 3H | 39.9886615 | -81.3865276 | 40.0018844 | -81.3921662 |
| 06/13/2013 | GUERNSEY | WILLS | 34059242930100 | Producing | PDC ENERGY INC | DETWEILER 2H | 39.9887824 | -81.3865435 | 40.0017830 | -81.3895691 |
| 08/07/2013 | GUERNSEY | OXFORD | 34059242960000 | Drilled | CHESAPEAKE EXPLORATION LLC | YOCKEY 18-9-7 3H | 40.0310410 | -81.2790054 | 40.0447449 | -81.2889835 |
| 08/21/2013 | GUERNSEY | OXFORD | 34059242970000 | Producing | CHESAPEAKE EXPLORATION LLC | YOCKEY 18-9-7 7H | 40.0311140 | -81.2788970 | 40.0477843 | -81.2821114 |
| 07/19/2013 | GUERNSEY | LONDONDERRY | 34059243000000 | Permitted | GULFPORT ENERGY CORPORATION | RIPLEY 5-26H | 40.1446508 | -81.3054984 | 40.1280790 | -81.3007702 |
| 07/19/2013 | GUERNSEY | LONDONDERRY | 34059243010000 | Drilled | GULFPORT ENERGY CORPORATION | RIPLEY 4-26H | 40.1446284 | -81.3054523 | 40.1281012 | -81.3007984 |
| 07/19/2013 | GUERNSEY | LONDONDERRY | 34059243020000 | Drilled | GULFPORT ENERGY CORPORATION | RIPLEY 3-26H | 40.1446060 | -81.3054098 | 40.1292427 | -81.2977818 |
| 07/19/2013 | GUERNSEY | LONDONDERRY | 34059243030000 | Drilled | GULFPORT ENERGY CORPORATION | RIPLEY 2-26H | 40.1445808 | -81.3053637 | 40.1304259 | -81.2948287 |
| 08/06/2013 | GUERNSEY | WILLS | 34059243040000 | Producing | PDC ENERGY INC | COMMISSIONERS 3H | 39.9981360 | -81.4368940 | 40.0100977 | -81.4332908 |
| 08/06/2013 | GUERNSEY | WILLS | 34059243050000 | Producing | PDC ENERGY INC | COMMISSIONERS 2H | 39.9981067 | -81.4369980 | 40.0104510 | -81.4347062 |
| 11/06/2014 | GUERNSEY | MILLWOOD | 34059243060000 | Permitted | CHESAPEAKE EXPLORATION LLC | HD MCCLAIN 28-9-7 5H | 40.0110415 | -81.3136199 | 40.0288552 | -81.3258071 |
| 11/06/2014 | GUERNSEY | MILLWOOD | 34059243070000 | Permitted | CHESAPEAKE EXPLORATION LLC | HD MCCLAIN 28-9-7 2H | 40.0110731 | -81.3137586 | 40.0264678 | -81.3314217 |
| 11/19/2013 | GUERNSEY | MILLWOOD | 34059243080000 | Drilled | CHESAPEAKE EXPLORATION LLC | HD MCCLAIN 28-9-7 7H | 40.0110271 | -81.3135524 | 40.0257197 | -81.3200217 |
| 11/06/2014 | GUERNSEY | MILLWOOD | 34059243090000 | Permitted | CHESAPEAKE EXPLORATION LLC | HD MCCLAIN 28-9-7 3H | 40.0110587 | -81.3136875 | 40.0277286 | -81.3284544 |
| 10/21/2013 | GUERNSEY | SPENCER | 34059243100100 | Producing | EQT PRODUCTION COMPANY | NCD3 580035 | 39.9221547 | -81.6256790 | 39.9083725 | -81.6197566 |
| 06/16/2014 | GUERNSEY | WASHINGTON | 34059243130100 | Drilling | CARRIZO (UTICA) LLC | BROWN 1-H | 40.1823463 | -81.4135378 | 40.1651811 | -81.4011586 |
| 04/17/2014 | GUERNSEY | WILLS | 34059243140000 | Producing | AMERICAN ENERGY UTICA LLC | SHUGERT DADDY E WLS GR 5H | 40.0051149 | -81.4114523 | 40.0292072 | -81.4217805 |
| 09/27/2013 | GUERNSEY | OXFORD | 34059243160000 | Producing | GULFPORT ENERGY CORPORATION | KAREN 23-9-7 4H | 40.0253908 | -81.2898639 | 40.0060675 | -81.2820398 |
| 09/27/2013 | GUERNSEY | OXFORD | 34059243170000 | Producing | GULFPORT ENERGY CORPORATION | KAREN 23-9-7 3H | 40.0253549 | -81.2898360 | 40.0089782 | -81.2813033 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 09/27/2013 | GUERNSEY | OXFORD | 34059243180000 | Producing | GULFPORT ENERGY CORPORATION | KAREN 23-9-7 2H | 40.0253189 | -81.2898080 | 40.0117783 | -81.2804866 |
| 09/27/2013 | GUERNSEY | OXFORD | 34059243190000 | Producing | GULFPORT ENERGY CORPORATION | KAREN 23-9-7 1H | 40.0252829 | -81.2897801 | 40.0120691 | -81.2778324 |
| 12/18/2014 | GUERNSEY | RICHLAND | 34059243200100 | Permitted | CARRIZO (UTICA) LLC | MOHOROVICH WEST 1H | 39.9545949 | -81.3777095 | 39.9809254 | -81.3982102 |
| 03/19/2014 | GUERNSEY | MILLWOOD | 34059243250000 | Producing | ECLIPSE RESOURCES I LP | HAYES UNIT 8H | 39.9973267 | -81.3320763 | 39.9831506 | -81.3160234 |
| 03/19/2014 | GUERNSEY | MILLWOOD | 34059243260000 | Producing | ECLIPSE RESOURCES I LP | HAYES UNIT 6H | 39.9973816 | -81.3320753 | 39.9821492 | -81.3182780 |
| 03/19/2014 | GUERNSEY | MILLWOOD | 34059243270000 | Producing | ECLIPSE RESOURCES I LP | HAYES UNIT 2H | 39.9974914 | -81.3320735 | 39.9801465 | -81.3227942 |
| 03/19/2014 | GUERNSEY | MILLWOOD | 34059243280000 | Producing | ECLIPSE RESOURCES I LP | HAYES UNIT 4H | 39.9974365 | -81.3320744 | 39.9811479 | -81.3205362 |
| 03/17/2014 | GUERNSEY | MILLWOOD | 34059243300000 | Drilled | ECLIPSE RESOURCES I LP | PORA UNIT 6H | 39.9815696 | -81.3187839 | 39.9625852 | -81.3036373 |
| 03/17/2014 | GUERNSEY | MILLWOOD | 34059243310100 | Permitted | ECLIPSE RESOURCES I LP | PORA UNIT 4H | 39.9815147 | -81.3187849 | 39.9616395 | -81.3059368 |
| 02/24/2014 | GUERNSEY | WILLS | 34059243340000 | Producing | AMERICAN ENERGY UTICA LLC | SHUGERT DADDY WLS GR 1H | 40.0050362 | -81.4115535 | 40.0279302 | -81.4280281 |
| 03/19/2014 | GUERNSEY | WILLS | 34059243350000 | Producing | AMERICAN ENERGY UTICA LLC | SHUGERT DADDY WLS GR 3H | 40.0050742 | -81.4115029 | 40.0278198 | -81.4252694 |
| 02/24/2014 | GUERNSEY | RICHLAND | 34059243360000 | Drilling | PDC ENERGY INC | DYNAMITE 1-H | 39.9782166 | -81.4204630 | 39.9651481 | -81.4239948 |
| 02/24/2014 | GUERNSEY | RICHLAND | 34059243370000 | Drilling | PDC ENERGY INC | DYNAMITE 2-H | 39.9782161 | -81.4204095 | 39.9550459 | -81.4220001 |
| 02/24/2014 | GUERNSEY | RICHLAND | 34059243380000 | Drilling | PDC ENERGY INC | DYNAMITE 3-H | 39.9782156 | -81.4203560 | 39.9549597 | -81.4194866 |
| 02/24/2014 | GUERNSEY | RICHLAND | 34059243390000 | Drilling | PDC ENERGY INC | DYNAMITE 4-H | 39.9782151 | -81.4203024 | 39.9548762 | -81.4169801 |
| 05/07/2014 | GUERNSEY | MADISON | 34059243410000 | Drilling | AMERICAN ENERGY UTICA LLC | RED HILL FARM MDS GR 5H | 40.1275146 | -81.3458859 | 40.1496161 | -81.3590757 |
| 03/17/2014 | GUERNSEY | MILLWOOD | 34059243420000 | Drilled | ECLIPSE RESOURCES I LP | PORA UNIT 2H | 39.9814597 | -81.3187822 | 39.9603866 | -81.3080026 |
| 03/17/2014 | GUERNSEY | MILLWOOD | 34059243430000 | Drilled | ECLIPSE RESOURCES I LP | PORA UNIT 8H | 39.9816245 | -81.3187866 | 39.9637052 | -81.3014667 |
| 06/13/2014 | GUERNSEY | LONDONDERRY | 34059243440000 | Drilled | AMERICAN ENERGY UTICA LLC | LAWSON LND GR 4H | 40.1277651 | -81.2963769 | 40.1067855 | -81.2814397 |
| 12/05/2014 | GUERNSEY | OXFORD | 34059243450000 | Permitted | AMERICAN ENERGY UTICA LLC | COAD OXF GR 6H (4) | 40.0361473 | -81.2580474 | 40.0184501 | -81.2427821 |
| 07/16/2014 | GUERNSEY | LONDONDERRY | 34059243460100 | Drilled | AMERICAN ENERGY UTICA LLC | LAKE WEST LND GR 2H | 40.1483883 | -81.2975354 | 40.1324814 | -81.2875471 |
| 03/27/2014 | GUERNSEY | MILLWOOD | 34059243470000 | Producing | ECLIPSE RESOURCES I LP | FRITZ UNIT 7H | 40.0084040 | -81.3334250 | 40.0298637 | -81.3416601 |
| 04/04/2014 | GUERNSEY | MILLWOOD | 34059243480100 | Producing | ECLIPSE RESOURCES I LP | FRITZ UNIT 5H | 40.0083521 | -81.3334509 | 40.0288593 | -81.3439302 |
| 03/27/2014 | GUERNSEY | MILLWOOD | 34059243490000 | Producing | ECLIPSE RESOURCES I LP | FRITZ UNIT 3H | 40.0083029 | -81.3334767 | 40.0278549 | -81.3462002 |
| 03/27/2014 | GUERNSEY | MILLWOOD | 34059243500000 | Drilling | ECLIPSE RESOURCES I LP | FRITZ UNIT 1H | 40.0082510 | -81.3335061 | 40.0268503 | -81.3484666 |
| 05/09/2014 | GUERNSEY | MILLWOOD | 34059243510000 | Drilled | R E GAS DEVELOPMENT LLC | J HALL UNIT 12H | 39.9916886 | -81.2601595 | 40.0012789 | -81.2628119 |
| 05/09/2014 | GUERNSEY | MILLWOOD | 34059243520000 | Drilled | R E GAS DEVELOPMENT LLC | J HALL UNIT 10H | 39.9916587 | -81.2601957 | 40.0013520 | -81.2650631 |
| 03/28/2014 | GUERNSEY | MILLWOOD | 34059243530000 | Drilled | R E GAS DEVELOPMENT LLC | J HALL UNIT 8H | 39.9916261 | -81.2602284 | 40.0034209 | -81.2699276 |
| 03/28/2014 | GUERNSEY | MILLWOOD | 34059243540000 | Drilled | R E GAS DEVELOPMENT LLC | J HALL UNIT 6H | 39.9915935 | -81.2602611 | 40.0034880 | -81.2724038 |
| 03/28/2014 | GUERNSEY | MILLWOOD | 34059243550000 | Drilled | R E GAS DEVELOPMENT LLC | J HALL UNIT 4H | 39.9915637 | -81.2602974 | 40.0017977 | -81.2735332 |
| 03/28/2014 | GUERNSEY | MILLWOOD | 34059243560000 | Drilled | R E GAS DEVELOPMENT LLC | J HALL UNIT 2H | 39.9915311 | -81.2603301 | 40.0010689 | -81.2755236 |
| 04/04/2014 | GUERNSEY | OXFORD | 34059243570100 | Drilled | ECLIPSE RESOURCES I LP | ANDY YODER A 5H | 40.0338387 | -81.3152052 | 40.0506704 | -81.3283421 |
| 03/31/2014 | GUERNSEY | OXFORD | 34059243580000 | Drilled | ECLIPSE RESOURCES I LP | ANDY YODER A 3H | 40.0338394 | -81.3152766 | 40.0501262 | -81.3310340 |
| 03/31/2014 | GUERNSEY | OXFORD | 34059243590000 | Drilled | ECLIPSE RESOURCES I LP | ANDY YODER A 1H | 40.0338401 | -81.3153481 | 40.0496289 | -81.3337572 |
| 04/21/2014 | GUERNSEY | OXFORD | 34059243620000 | Drilled | ECLIPSE RESOURCES I LP | ANDY YODER D 4H | 40.0338415 | -81.3154909 | 40.0192219 | -81.3002976 |
| 04/21/2014 | GUERNSEY | OXFORD | 34059243630000 | Drilled | ECLIPSE RESOURCES I LP | ANDY YODER D 6H | 40.0338408 | -81.3154195 | 40.0202684 | -81.2979300 |
| 04/21/2014 | GUERNSEY | OXFORD | 34059243640000 | Drilled | ECLIPSE RESOURCES I LP | ANDY YODER D 2H | 40.0338423 | -81.3155623 | 40.0181726 | -81.3026615 |
| 04/23/2014 | GUERNSEY | MILLWOOD | 34059243650000 | Drilled | ECLIPSE RESOURCES I LP | FRANK MILLER UNIT 6H | 39.9950145 | -81.3386684 | 39.9786404 | -81.3261955 |
| 04/23/2014 | GUERNSEY | MILLWOOD | 34059243660000 | Drilled | ECLIPSE RESOURCES I LP | FRANK MILLER UNIT 2H | 39.9949359 | -81.3387697 | 39.9765837 | -81.3308335 |
| 04/23/2014 | GUERNSEY | MILLWOOD | 34059243670000 | Drilled | ECLIPSE RESOURCES I LP | FRANK MILLER UNIT 4H | 39.9949766 | -81.3387190 | 39.9776121 | -81.3285145 |
| 09/04/2014 | GUERNSEY | LONDONDERRY | 34059243680100 | Permitted | CARRIZO (UTICA) LLC | WAGLER 1H | 40.1660688 | -81.3119741 | 40.1535172 | -81.2930461 |
| 05/07/2014 | GUERNSEY | MADISON | 34059243690000 | Drilling | AMERICAN ENERGY UTICA LLC | RED HILL FARM MDS GR 1H | 40.1275402 | -81.3459749 | 40.1468701 | -81.3652378 |
| 05/07/2014 | GUERNSEY | MADISON | 34059243700000 | Drilling | AMERICAN ENERGY UTICA LLC | RED HILL FARM MDS GR 3H | 40.1274711 | -81.3459331 | 40.1481339 | -81.3622194 |
| 07/24/2014 | GUERNSEY | OXFORD | 34059243720000 | Producing | ECLIPSE RESOURCES I LP | WHEELER UNIT 7H | 40.0392116 | -81.2351877 | 40.0548416 | -81.2452200 |
| 07/24/2014 | GUERNSEY | OXFORD | 34059243730000 | Drilling | ECLIPSE RESOURCES I LP | WHEELER UNIT 9H | 40.0391618 | -81.2351565 | 40.0555857 | -81.2426630 |
| 07/24/2014 | GUERNSEY | OXFORD | 34059243740000 | Drilling | ECLIPSE RESOURCES I LP | WHEELER UNIT 5H | 40.0392586 | -81.2352226 | 40.0554503 | -81.2487565 |
| 07/24/2014 | GUERNSEY | OXFORD | 34059243750000 | Drilling | ECLIPSE RESOURCES I LP | WHEELER UNIT 1H | 40.0393581 | -81.2352850 | 40.0560174 | -81.2553625 |
| 07/24/2014 | GUERNSEY | OXFORD | 34059243760000 | Drilling | ECLIPSE RESOURCES I LP | WHEELER UNIT 3H | 40.0393084 | -81.2352538 | 40.0555997 | -81.2519619 |
| 09/25/2014 | GUERNSEY | LONDONDERRY | 34059243770000 | Drilled | AMERICAN ENERGY UTICA LLC | CASTON LND GR 2H | 40.1342322 | -81.3278415 | 40.1168173 | -81.3208060 |
| 05/23/2014 | GUERNSEY | LONDONDERRY | 34059243780000 | Drilled | AMERICAN ENERGY UTICA LLC | LAKE EAST LND GR 6H | 40.1482810 | -81.2975087 | 40.1346287 | -81.2825453 |
| 05/23/2014 | GUERNSEY | LONDONDERRY | 34059243790000 | Drilled | AMERICAN ENERGY UTICA LLC | LAKE LND GR 4H | 40.1483360 | -81.2975220 | 40.1336130 | -81.2849379 |
| 05/23/2014 | GUERNSEY | OXFORD | 34059243800000 | Drilled | ECLIPSE RESOURCES I LP | BORTON A UNIT 2H | 40.0531329 | -81.2787274 | 40.0322223 | -81.2675173 |
| 07/24/2014 | GUERNSEY | OXFORD | 34059243810000 | Producing | ECLIPSE RESOURCES I LP | BORTON C UNIT 8H | 40.0532978 | -81.2787531 | 40.0362823 | -81.2588665 |
| 07/24/2014 | GUERNSEY | OXFORD | 34059243820000 | Drilled | ECLIPSE RESOURCES I LP | BORTON C UNIT 6H | 40.0532428 | -81.2787433 | 40.0350041 | -81.2618393 |
| 07/11/2014 | GUERNSEY | OXFORD | 34059243840000 | Drilling | ECLIPSE RESOURCES I LP | WEEKENDER 4H | 40.0539088 | -81.2649708 | 40.0380432 | -81.2524919 |
| 09/04/2014 | GUERNSEY | LONDONDERRY | 34059243860000 | Drilling | CARRIZO (UTICA) LLC | WAGLER 2H | 40.1660914 | -81.3120345 | 40.1503095 | -81.2945293 |
| 07/11/2014 | GUERNSEY | OXFORD | 34059243870000 | Drilling | ECLIPSE RESOURCES I LP | WEEKENDER 8H | 40.0540029 | -81.2650477 | 40.0392951 | -81.2470798 |
| 07/11/2014 | GUERNSEY | OXFORD | 34059243880100 | Drilling | ECLIPSE RESOURCES I LP | WEEKENDER 2H | 40.0538644 | -81.2649323 | 40.0381073 | -81.2556909 |
| 07/11/2014 | GUERNSEY | OXFORD | 34059243890000 | Drilling | ECLIPSE RESOURCES I LP | WEEKENDER 6H | 40.0539558 | -81.2650092 | 40.0389195 | -81.2499653 |
| 06/13/2014 | GUERNSEY | WILLS | 34059243900000 | Drilling | PDC ENERGY INC | COLE 4H | 40.0435476 | -81.3811465 | 40.0614408 | -81.3810616 |
| 06/13/2014 | GUERNSEY | LONDONDERRY | 34059243910000 | Drilled | AMERICAN ENERGY UTICA LLC | LAWSON LND GR 2H | 40.1278174 | -81.2963903 | 40.1062236 | -81.2849746 |
| 06/13/2014 | GUERNSEY | LONDONDERRY | 34059243920000 | Drilled | AMERICAN ENERGY UTICA LLC | LAWSON LND GR 6H | 40.1277101 | -81.2963671 | 40.1080929 | -81.2783278 |
| 06/19/2014 | GUERNSEY | OXFORD | 34059243930000 | Drilled | ECLIPSE RESOURCES I LP | BORTON B UNIT 4H | 40.0531879 | -81.2787371 | 40.0333715 | -81.2645362 |
| 06/23/2014 | GUERNSEY | WILLS | 34059243940000 | Drilling | PDC ENERGY INC | COLE 3H | 40.0435372 | -81.3812003 | 40.0615008 | -81.3836152 |
| 06/23/2014 | GUERNSEY | WILLS | 34059243950000 | Drilling | PDC ENERGY INC | COLE 2H | 40.0435294 | -81.3812504 | 40.0613614 | -81.3862862 |
| 06/23/2014 | GUERNSEY | WILLS | 34059243960000 | Drilling | PDC ENERGY INC | COLE 1H | 40.0435217 | -81.3813041 | 40.0594911 | -81.3888171 |
| 06/25/2014 | GUERNSEY | RICHLAND | 34059243970000 | Drilling | CARRIZO (UTICA) LLC | RECTOR 3H | 39.9558615 | -81.3972056 | 39.9792941 | -81.4099121 |
| 06/25/2014 | GUERNSEY | RICHLAND | 34059243980000 | Drilling | CARRIZO (UTICA) LLC | RECTOR 4H | 39.9558202 | -81.3971956 | 39.9774250 | -81.4126249 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 06/26/2014 | GUERNSEY | RICHLAND | 34059243990000 | Drilling | CARRIZO (UTICA) LLC | RECTOR 11H | 39.9560211 | -81.3972495 | 39.9372433 | -81.3796623 |
| 06/26/2014 | GUERNSEY | RICHLAND | 34059244000000 | Drilling | CARRIZO (UTICA) LLC | RECTOR EAST 2H | 39.9559000 | -81.3972157 | 39.9802955 | -81.4077767 |
| 12/18/2014 | GUERNSEY | RICHLAND | 34059244010000 | Drilling | CARRIZO (UTICA) LLC | MOHOROVICH WEST 8H | 39.9546035 | -81.3777450 | 39.9809563 | -81.4015071 |
| 12/18/2014 | GUERNSEY | RICHLAND | 34059244020000 | Drilling | CARRIZO (UTICA) LLC | RECTOR EAST 14H | 39.9546445 | -81.3777301 | 39.9809871 | -81.4048039 |
| 08/07/2014 | GUERNSEY | LONDONDERRY | 34059244050000 | Drilled | AMERICAN ENERGY UTICA LLC | CASTON LND GR 8H | 40.1341835 | -81.3276385 | 40.1177796 | -81.3119435 |
| 08/07/2014 | GUERNSEY | LONDONDERRY | 34059244060000 | Drilled | AMERICAN ENERGY UTICA LLC | CASTON LAND GR 6H | 40.1342007 | -81.3277062 | 40.1149919 | -81.3131783 |
| 08/07/2014 | GUERNSEY | LONDONDERRY | 34059244070000 | Drilling | AMERICAN ENERGY UTICA LLC | CASTON LND GR 4H | 40.1342178 | -81.3277738 | 40.1140067 | -81.3156694 |
| 08/08/2014 | GUERNSEY | LONDONDERRY | 34059244080000 | Drilling | ECLIPSE RESOURCES I LP | ABE TROYER 2H | 40.0846089 | -81.2651318 | 40.0690676 | -81.2591446 |
| 08/08/2014 | GUERNSEY | LONDONDERRY | 34059244090000 | Drilling | ECLIPSE RESOURCES I LP | ABE TROYER 6H | 40.0846708 | -81.2650127 | 40.0688663 | -81.2525736 |
| 08/08/2014 | GUERNSEY | LONDONDERRY | 34059244100000 | Drilling | ECLIPSE RESOURCES I LP | ABE TROYER 8H | 40.0847031 | -81.2649550 | 40.0687903 | -81.2493020 |
| 08/08/2014 | GUERNSEY | LONDONDERRY | 34059244110000 | Drilling | ECLIPSE RESOURCES I LP | ABE TROYER 10H | 40.0847327 | -81.2648972 | 40.0687116 | -81.2460340 |
| 08/08/2014 | GUERNSEY | LONDONDERRY | 34059244120000 | Drilling | ECLIPSE RESOURCES I LP | ABE TROYER 4H | 40.0846385 | -81.2650705 | 40.0689449 | -81.2558417 |
| 12/04/2014 | GUERNSEY | OXFORD | 34059244130000 | Drilling | AMERICAN ENERGY UTICA LLC | J BAR J OXF GR 4H | 40.0315801 | -81.2672715 | 40.0187320 | -81.2555954 |
| 09/17/2014 | GUERNSEY | WILLS | 34059244230000 | Drilling | ECLIPSE RESOURCES I LP | LAW 4H | 39.9908505 | -81.3521364 | 39.9758328 | -81.3387107 |
| 09/17/2014 | GUERNSEY | WILLS | 34059244240000 | Drilling | ECLIPSE RESOURCES I LP | LAW 6H | 39.9908061 | -81.3520908 | 39.9765543 | -81.3369894 |
| 09/17/2014 | GUERNSEY | WILLS | 34059244250000 | Drilling | ECLIPSE RESOURCES I LP | LAW 2H | 39.9908921 | -81.3521786 | 39.9750782 | -81.3404112 |
| 12/05/2014 | GUERNSEY | OXFORD | 34059244260000 | Drilling | AMERICAN ENERGY UTICA LLC | COAD OXF GR 4H (2) | 40.0361944 | -81.2580895 | 40.0185394 | -81.2457476 |
| 12/05/2014 | GUERNSEY | OXFORD | 34059244270000 | Permitted | AMERICAN ENERGY UTICA LLC | COAD OXF GR 8H (6) | 40.0361029 | -81.2580054 | 40.0193300 | -81.2403488 |
| 11/21/2014 | GUERNSEY | LONDONDERRY | 34059244280000 | Drilling | AMERICAN ENERGY UTICA LLC | DONNA W LND GR 2H | 40.1245347 | -81.2529736 | 40.1020744 | -81.2448837 |
| 11/21/2014 | GUERNSEY | LONDONDERRY | 34059244290000 | Drilling | AMERICAN ENERGY UTICA LLC | DONNA W LND GR 4H | 40.1244710 | -81.2529211 | 40.1051657 | -81.2441198 |
| 01/12/2015 | GUERNSEY | LONDONDERRY | 34059244310000 | Drilling | AMERICAN ENERGY UTICA LLC | DONNA E LND GR 10H | 40.1245635 | -81.2528408 | 40.1050435 | -81.2345159 |
| 01/12/2015 | GUERNSEY | LONDONDERRY | 34059244320000 | Drilling | AMERICAN ENERGY UTICA LLC | DONNA E LND GR 8H | 40.1245782 | -81.2529335 | 40.1051242 | -81.2376784 |
| 11/21/2014 | GUERNSEY | LONDONDERRY | 34059244330000 | Drilling | AMERICAN ENERGY UTICA LLC | DONNA W LND GR 6H | 40.1245172 | -81.2528810 | 40.1057826 | -81.2414810 |
| 10/30/2014 | GUERNSEY | WILLS | 34059244340000 | Permitted | ECLIPSE RESOURCES I LP | SCOTT 7H | 40.0205484 | -81.3530987 | 40.0441434 | -81.3659710 |
| 10/30/2014 | GUERNSEY | WILLS | 34059244350000 | Drilling | ECLIPSE RESOURCES I LP | SCOTT 1H | 40.0203886 | -81.3530406 | 40.0410938 | -81.3740178 |
| 10/30/2014 | GUERNSEY | WILLS | 34059244360000 | Permitted | ECLIPSE RESOURCES I LP | SCOTT 3H | 40.0204410 | -81.3530612 | 40.0432094 | -81.3713296 |
| 10/30/2014 | GUERNSEY | WILLS | 34059244370000 | Drilling | ECLIPSE RESOURCES I LP | SCOTT 5H | 40.0204960 | -81.3530781 | 40.0436777 | -81.3686431 |
| 11/06/2014 | GUERNSEY | MILLWOOD | 34059244380000 | Permitted | CHESAPEAKE EXPLORATION LLC | HD MCCLAIN 28-9-7 1H | 40.0110875 | -81.3138262 | 40.0256040 | -81.3334538 |
| 12/05/2014 | GUERNSEY | OXFORD | 34059244460000 | Drilling | AMERICAN ENERGY UTICA LLC | J BAR J OXF GR 6H | 40.0315793 | -81.2672001 | 40.0185909 | -81.2523879 |
| 12/05/2014 | GUERNSEY | OXFORD | 34059244470000 | Drilling | AMERICAN ENERGY UTICA LLC | COAD OXF GR 2H | 40.0362388 | -81.2581280 | 40.0182040 | -81.2487922 |
| 12/05/2014 | GUERNSEY | OXFORD | 34059244480000 | Drilling | AMERICAN ENERGY UTICA LLC | J BAR J OXF GR 2H | 40.0315808 | -81.2673429 | 40.0187485 | -81.2587050 |
| 12/12/2014 | GUERNSEY | MILLWOOD | 34059244490000 | Permitted | CHESAPEAKE EXPLORATION LLC | HD MCCLAIN 28-9-7 8H | 40.0109989 | -81.3137492 | 39.9892825 | -81.3058685 |
| 12/12/2014 | GUERNSEY | MILLWOOD | 34059244500000 | Permitted | CHESAPEAKE EXPLORATION LLC | HD MCCLAIN 28-9-7 9H | 40.0109845 | -81.3136816 | 39.9902406 | -81.3037070 |
| 12/15/2014 | GUERNSEY | MILLWOOD | 34059244510000 | Permitted | CHESAPEAKE EXPLORATION LLC | HD MCCLAIN 28-9-7 10H | 40.0109673 | -81.3136105 | 39.9912014 | -81.3015454 |
| 12/23/2014 | GUERNSEY | WILLS | 34059244520000 | Permitted | ECLIPSE RESOURCES I LP | LAW 8H | 39.9909364 | -81.3522242 | 39.9754031 | -81.3338615 |
| 01/05/2015 | GUERNSEY | WILLS | 34059244530000 | Permitted | AMERICAN ENERGY UTICA LLC | EGGLESTON WLS GR 4H | 40.0343008 | -81.4162266 | 40.0161139 | -81.4036107 |
| 01/05/2015 | GUERNSEY | WILLS | 34059244540000 | Permitted | AMERICAN ENERGY UTICA LLC | EGGLESTON WLS GR 2H | 40.0342712 | -81.4162877 | 40.0093850 | -81.4038990 |
| 12/24/2014 | GUERNSEY | RICHLAND | 34059244550000 | Permitted | CARRIZO (UTICA) LLC | MOHOROVICH EAST 4H | 39.9547125 | -81.3776612 | 39.9838896 | -81.3905475 |
| 12/24/2014 | GUERNSEY | RICHLAND | 34059244560000 | Permitted | CARRIZO (UTICA) LLC | MOHOROVICH 2H | 39.9546333 | -81.3776982 | 39.9817403 | -81.3955244 |
| 12/24/2014 | GUERNSEY | RICHLAND | 34059244570000 | Permitted | CARRIZO (UTICA) LLC | MOHOROVICH 3H | 39.9546715 | -81.3776797 | 39.9828177 | -81.3930377 |
| 01/06/2015 | GUERNSEY | WILLS | 34059244580000 | Permitted | ECLIPSE RESOURCES I LP | YOST B 8H | 40.0222910 | -81.3533055 | 39.9998157 | -81.3325234 |
| 01/06/2015 | GUERNSEY | WILLS | 34059244590000 | Permitted | ECLIPSE RESOURCES I LP | YOST A 4H | 40.0223471 | -81.3534296 | 39.9966896 | -81.3364880 |
| 01/06/2015 | GUERNSEY | WILLS | 34059244600000 | Permitted | ECLIPSE RESOURCES I LP | YOST B 6H | 40.0223190 | -81.3533693 | 39.9978128 | -81.3340349 |
| 01/06/2015 | GUERNSEY | WILLS | 34059244610000 | Permitted | ECLIPSE RESOURCES I LP | YOST A 2H | 40.0223751 | -81.3534898 | 39.9957124 | -81.3387174 |
| 12/23/2010 | HARRISON | ARCHER | 34067210570100 | Producing | CHESAPEAKE EXPLORATION LLC | NORTH AMERICAN COAL ROYALTY CO BUELL 8H | 40.3504489 | -81.0195690 | 40.3338128 | -81.0074043 |
| 03/15/2012 | HARRISON | ARCHER | 34067210590000 | Permitted | CHESAPEAKE EXPLORATION LLC | JEWETT SPORTSMEN CLUB 4-11-5 8H | 40.3445909 | -80.9896869 | 40.3310284 | -80.9774820 |
| 02/28/2012 | HARRISON | ATHENS | 34067210620100 | Producing | GULFPORT ENERGY CORPORATION | WAGNER 1-28H | 40.1728136 | -81.0778405 | 40.1534039 | -81.0633813 |
| 02/08/2012 | HARRISON | STOCK | 34067210630100 | Producing | CHESAPEAKE EXPLORATION LLC | STUART HENDERSON 11-12-6 3H | 40.3619651 | -81.1288478 | 40.3768514 | -81.1381293 |
| 02/08/2012 | HARRISON | STOCK | 34067210640000 | Producing | CHESAPEAKE EXPLORATION LLC | STUART HENDERSON 11-12-6 1H | 40.3619247 | -81.1289061 | 40.3752340 | -81.1413102 |
| 04/27/2012 | HARRISON | NOTTINGHAM | 34067210650100 | Producing | GULFPORT ENERGY CORPORATION | BOY SCOUT 1-33H | 40.2583959 | -81.2145879 | 40.2775534 | -81.2284050 |
| 03/15/2012 | HARRISON | ARCHER | 34067210660000 | Permitted | CHESAPEAKE EXPLORATION LLC | JEWETT SPORTSMAN CLUB 4-11-5 6H | 40.3446137 | -80.9897510 | 40.3294655 | -80.9809146 |
| 03/15/2012 | HARRISON | ARCHER | 34067210670000 | Permitted | CHESAPEAKE EXPLORATION LLC | BUELL 10-11-5 10H | 40.3503391 | -81.0195715 | 40.3334855 | -81.0029634 |
| 03/19/2012 | HARRISON | STOCK | 34067210680000 | Producing | CHESAPEAKE EXPLORATION LLC | HENDERSON SOUTH 10-12-6 5H | 40.3515269 | -81.1312977 | 40.3668111 | -81.1396657 |
| 03/19/2012 | HARRISON | STOCK | 34067210690000 | Producing | CHESAPEAKE EXPLORATION LLC | HENDERSON SOUTH 10-12-6 1H | 40.3514862 | -81.1313416 | 40.3644429 | -81.1422764 |
| 04/02/2012 | HARRISON | STOCK | 34067210700000 | Producing | CHESAPEAKE EXPLORATION LLC | RENSI 4-12-6 1H | 40.3536986 | -81.1081881 | 40.3666406 | -81.1218144 |
| 06/06/2012 | HARRISON | MOOREFIELD | 34067210710100 | Producing | GULFPORT ENERGY CORPORATION | RYSER 1-25H | 40.2156665 | -81.2007927 | 40.1957553 | -81.1864383 |
| 06/07/2012 | HARRISON | MOOREFIELD | 34067210720100 | Producing | GULFPORT ENERGY CORPORATION | BK STEPHENS 1-16H | 40.1853640 | -81.1677444 | 40.1727264 | -81.1585238 |
| 05/25/2012 | HARRISON | STOCK | 34067210730000 | Producing | CHESAPEAKE EXPLORATION LLC | ADDY 9-12-6 5H | 40.3418775 | -81.1430297 | 40.3574474 | -81.1500872 |
| 06/04/2012 | HARRISON | ATHENS | 34067210740100 | Producing | HESS OHIO DEVELOPMENTS LLC | CNXHAR9N5W 1H-24 | 40.1959518 | -81.0613468 | 40.1819374 | -81.0531372 |
| 06/04/2012 | HARRISON | GREEN | 34067210750000 | Producing | HESS OHIO DEVELOPMENTS LLC | CNXHAR9N4W 1H-6 | 40.2787028 | -80.8875862 | 40.2927508 | -80.8957401 |
| 06/06/2012 | HARRISON | STOCK | 34067210760000 | Producing | CHESAPEAKE EXPLORATION LLC | ADDY 9-12-6 3H | 40.3419326 | -81.1430394 | 40.3581946 | -81.1547801 |
| 06/06/2012 | HARRISON | STOCK | 34067210770000 | Permitted | CHESAPEAKE EXPLORATION LLC | STUART HENDERSON 11-12-6 5H | 40.3619478 | -81.1287800 | 40.3782024 | -81.1349429 |
| 08/16/2012 | HARRISON | FREEPORT | 34067210780100 | Producing | GULFPORT ENERGY CORPORATION | CLAY 1-4H | 40.1733990 | -81.2270388 | 40.1910917 | -81.2398457 |
| 06/15/2012 | HARRISON | RUMLEY | 34067210790100 | Producing | CHESAPEAKE EXPLORATION LLC | GOTSHALL 14-12-5 3H | 40.4063101 | -81.0348226 | 40.4205813 | -81.0452055 |
| 07/12/2012 | HARRISON | GERMAN | 34067210800000 | Drilled | CHESAPEAKE EXPLORATION LLC | DAWSON 8-11-4 5H | 40.4082240 | -80.8964664 | 40.4223279 | -80.9023917 |
| 07/12/2012 | HARRISON | GERMAN | 34067210810000 | Permitted | CHESAPEAKE EXPLORATION LLC | DAWSON 8-11-4 3H | 40.4082140 | -80.8965349 | 40.4191820 | -80.9043816 |
| 07/17/2012 | HARRISON | CADIZ | 34067210820100 | Producing | HESS OHIO DEVELOPMENTS LLC | CNXHAR10N5W 1H-23 | 40.2811089 | -81.0644805 | 40.2670494 | -81.0563755 |
| 07/17/2012 | HARRISON | SHORT CREEK | 34067210830100 | Permitted | HESS OHIO DEVELOPMENTS LLC | CNXHAR9N4W 1H-7 | 40.2159638 | -80.9144312 | 40.2300125 | -80.9225723 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 07/20/2012 | HARRISON | RUMLEY | 34067210850000 | Producing | CHESAPEAKE EXPLORATION LLC | GOTSHALL 14-12-5 1H | 40.4062528 | -81.0348526 | 40.4180374 | -81.0476531 |
| 07/25/2012 | HARRISON | STOCK | 34067210860000 | Producing | CHESAPEAKE EXPLORATION LLC | RENSI SOUTH 4-12-6 6H | 40.3536437 | -81.1081892 | 40.3358332 | -81.1026524 |
| 07/26/2012 | HARRISON | RUMLEY | 34067210870000 | Producing | CHESAPEAKE EXPLORATION LLC | GOTSHALL 14-12-5 5H | 40.4062710 | -81.0347732 | 40.4223567 | -81.0421279 |
| 11/23/2012 | HARRISON | WASHINGTON | 34067210880000 | Producing | GULFPORT ENERGY CORPORATION | LYON 1-27H | 40.2464907 | -81.3024850 | 40.2299711 | -81.2913990 |
| 07/31/2012 | HARRISON | WASHINGTON | 34067210890100 | Producing | CHEVRON APPALACHIA LLC | KINSEY 2-24HD | 40.2884753 | -81.2804898 | 40.3017515 | -81.2872136 |
| 09/14/2012 | HARRISON | WASHINGTON | 34067210900000 | Producing | CHEVRON APPALACHIA LLC | KINSEY 1-24 HD | 40.2885238 | -81.2803993 | 40.3010520 | -81.2826300 |
| 09/24/2012 | HARRISON | NORTH | 34067210910100 | Producing | ATLAS NOBLE LLC | REESE/CRAMBLETT 1H | 40.4025901 | -81.1286551 | 40.4156533 | -81.1455360 |
| 02/10/2014 | HARRISON | STOCK | 34067210920000 | Producing | CHESAPEAKE EXPLORATION LLC | DODSON 28-11-5 8H | 40.3505471 | -81.0797142 | 40.3311000 | -81.0655145 |
| 08/20/2012 | HARRISON | STOCK | 34067210930000 | Producing | CHESAPEAKE EXPLORATION LLC | ADDY 9-12-6 1H | 40.3418977 | -81.1431046 | 40.3563624 | -81.1579390 |
| 08/20/2012 | HARRISON | MOOREFIELD | 34067210940000 | Producing | GULFPORT ENERGY CORPORATION | STOUT 1-28H | 40.1857629 | -81.2046377 | 40.1733870 | -81.1904560 |
| 02/01/2013 | HARRISON | NOTTINGHAM | 34067210960000 | Producing | GULFPORT ENERGY CORPORATION | BOY SCOUT 2-33H | 40.2582459 | -81.2146768 | 40.2776506 | -81.2317005 |
| 09/21/2012 | HARRISON | NOTTINGHAM | 34067210970000 | Producing | GULFPORT ENERGY CORPORATION | BOY SCOUT 5-33H | 40.2583223 | -81.2146323 | 40.2438461 | -81.2041603 |
| 12/07/2012 | HARRISON | NORTH | 34067210980000 | Producing | ATLAS NOBLE LLC | REESE/CRAMBLETT 5H | 40.4025935 | -81.1289423 | 40.4162922 | -81.1542865 |
| 09/24/2012 | HARRISON | NORTH | 34067210990000 | Producing | ATLAS NOBLE LLC | REESE/CRAMBLETT 4H | 40.4025926 | -81.1288669 | 40.4162100 | -81.1522050 |
| 03/12/2013 | HARRISON | NORTH | 34067211000000 | Producing | ATLAS NOBLE LLC | REESE/CRAMBLETT 3H | 40.4025890 | -81.1287952 | 40.4161551 | -81.1501195 |
| 09/24/2012 | HARRISON | NORTH | 34067211010000 | Producing | ATLAS NOBLE LLC | REESE/CRAMBLETT 2H | 40.4025909 | -81.1287269 | 40.4145477 | -81.1465174 |
| 10/01/2012 | HARRISON | STOCK | 34067211020000 | Producing | CHESAPEAKE EXPLORATION LLC | RENSI 4-12-6 3H | 40.3537251 | -81.1081157 | 40.3684739 | -81.1188155 |
| 10/01/2012 | HARRISON | STOCK | 34067211030000 | Producing | CHESAPEAKE EXPLORATION LLC | RENSI 4-12-6 5H | 40.3536702 | -81.1081169 | 40.3698916 | -81.1155201 |
| 02/01/2013 | HARRISON | NOTTINGHAM | 34067211040000 | Permitted | GULFPORT ENERGY CORPORATION | BOY SCOUT 3-33H | 40.2582182 | -81.2146558 | 40.2428586 | -81.2061604 |
| 01/03/2013 | HARRISON | NOTTINGHAM | 34067211050000 | Permitted | GULFPORT ENERGY CORPORATION | BOY SCOUT 6-33H | 40.2582077 | -81.2146990 | 40.2775746 | -81.2241610 |
| 02/01/2013 | HARRISON | NOTTINGHAM | 34067211060000 | Producing | GULFPORT ENERGY CORPORATION | BOY SCOUT 4-33H | 40.2583577 | -81.2146101 | 40.2452360 | -81.2025464 |
| 11/13/2012 | HARRISON | WASHINGTON | 34067211070000 | Permitted | GULFPORT ENERGY CORPORATION | MWCD 1-11H | 40.2771199 | -81.2552577 | 40.2567465 | -81.2404097 |
| 07/08/2013 | HARRISON | RUMLEY | 34067211080000 | Producing | CHESAPEAKE EXPLORATION LLC | LONG 21-12-5 8H | 40.4177007 | -81.0524805 | 40.4011568 | -81.0399379 |
| 10/30/2012 | HARRISON | STOCK | 34067211090000 | Producing | CHESAPEAKE EXPLORATION LLC | DODSON 28-11-5 5H | 40.3505980 | -81.0798280 | 40.3667285 | -81.0872762 |
| 10/30/2012 | HARRISON | STOCK | 34067211100000 | Producing | CHESAPEAKE EXPLORATION LLC | DODSON 28-11-5 3H | 40.3505481 | -81.0797968 | 40.3655652 | -81.0906636 |
| 01/11/2013 | HARRISON | STOCK | 34067211110000 | Producing | CHESAPEAKE EXPLORATION LLC | RENSI SOUTH 4-12-6 10H | 40.3536153 | -81.1081180 | 40.3424723 | -81.0967050 |
| 01/11/2013 | HARRISON | STOCK | 34067211120000 | Producing | CHESAPEAKE EXPLORATION LLC | RENSI SOUTH 4-12-6 8H | 40.3535888 | -81.1081903 | 40.3395763 | -81.1007444 |
| 10/25/2012 | HARRISON | MOOREFIELD | 34067211130000 | Producing | GULFPORT ENERGY CORPORATION | BK STEPHENS 2-16H | 40.1853974 | -81.1677759 | 40.1988154 | -81.1780764 |
| 10/25/2012 | HARRISON | ATHENS | 34067211140000 | Producing | HESS OHIO DEVELOPMENTS LLC | CNXHAR9N5W 2H-24 | 40.1961341 | -81.0614288 | 40.1825397 | -81.0493482 |
| 10/25/2012 | HARRISON | MOOREFIELD | 34067211150000 | Producing | GULFPORT ENERGY CORPORATION | RYSER 2-25H | 40.2157075 | -81.2007812 | 40.2310621 | -81.2119438 |
| 11/01/2012 | HARRISON | STOCK | 34067211160000 | Producing | CHESAPEAKE EXPLORATION LLC | DODSON 28-11-5 1H | 40.3504983 | -81.0797655 | 40.3639348 | -81.0937952 |
| 12/14/2012 | HARRISON | WASHINGTON | 34067211170000 | Producing | GULFPORT ENERGY CORPORATION | LYON 2-27H | 40.2464223 | -81.3025042 | 40.2310077 | -81.2869177 |
| 11/26/2012 | HARRISON | MOOREFIELD | 34067211180000 | Producing | GULFPORT ENERGY CORPORATION | STOUT 2-28H | 40.1856922 | -81.2046964 | 40.1734567 | -81.1857882 |
| 12/05/2012 | HARRISON | RUMLEY | 34067211190000 | Producing | CHESAPEAKE EXPLORATION LLC | STEWART 12-11-5 3H | 40.3786298 | -81.0128303 | 40.3903788 | -81.0220394 |
| 12/05/2012 | HARRISON | RUMLEY | 34067211200000 | Producing | CHESAPEAKE EXPLORATION LLC | STEWART 12-11-5 5H | 40.3785853 | -81.0127883 | 40.3917577 | -81.0187165 |
| 12/12/2012 | HARRISON | STOCK | 34067211210000 | Producing | CHESAPEAKE EXPLORATION LLC | KIDD 21-12-6 3H | 40.3445413 | -81.1698834 | 40.3569319 | -81.1784889 |
| 12/12/2012 | HARRISON | STOCK | 34067211220000 | Producing | CHESAPEAKE EXPLORATION LLC | KIDD 21-12-6 5H | 40.3445050 | -81.1698303 | 40.3574135 | -81.1745751 |
| 12/12/2012 | HARRISON | STOCK | 34067211230000 | Permitted | CHESAPEAKE EXPLORATION LLC | KIDD 21-12-6 1H | 40.3445066 | -81.1699702 | 40.3524317 | -81.1796150 |
| 10/17/2014 | HARRISON | SHORT CREEK | 34067211240000 | Drilling | AMERICAN ENERGY UTICA LLC | CRAVAT COAL SHC HR 2H | 40.1678561 | -80.9325759 | 40.1494415 | -80.9243177 |
| 02/11/2013 | HARRISON | MOOREFIELD | 34067211250000 | Producing | GULFPORT ENERGY CORPORATION | RYSER 3-25H | 40.2156254 | -81.2008042 | 40.2300062 | -81.2154275 |
| 03/13/2013 | HARRISON | ATHENS | 34067211260000 | Producing | GULFPORT ENERGY CORPORATION | WAGNER 2-28H | 40.1727724 | -81.0778414 | 40.1526234 | -81.0659166 |
| 03/13/2013 | HARRISON | ATHENS | 34067211270000 | Producing | GULFPORT ENERGY CORPORATION | WAGNER 3-28H | 40.1728548 | -81.0778432 | 40.1545175 | -81.0702693 |
| 08/01/2013 | HARRISON | SHORT CREEK | 34067211280100 | Permitted | HESS OHIO DEVELOPMENTS LLC | CNXHAR9N4W 1H-7A | 40.2159638 | -80.9144312 | 40.2300125 | -80.9225723 |
| 01/27/2014 | HARRISON | ARCHER | 34067211290000 | Producing | CHESAPEAKE EXPLORATION LLC | NM HARRISON 16-11-5 3H | 40.3506235 | -81.0414168 | 40.3683418 | -81.0541366 |
| 10/24/2013 | HARRISON | ARCHER | 34067211300000 | Producing | CHESAPEAKE EXPLORATION LLC | NM HARRISON 16-11-5 6H | 40.3505544 | -81.0413789 | 40.3337707 | -81.0335525 |
| 01/27/2014 | HARRISON | ARCHER | 34067211310000 | Producing | CHESAPEAKE EXPLORATION LLC | NM HARRISON 16-11-5 5H | 40.3506613 | -81.0413658 | 40.3696548 | -81.0509498 |
| 10/24/2013 | HARRISON | ARCHER | 34067211320000 | Producing | CHESAPEAKE EXPLORATION LLC | NM HARRISON 16-11-5 8H | 40.3505922 | -81.0413278 | 40.3351125 | -81.0305204 |
| 10/24/2013 | HARRISON | ARCHER | 34067211330000 | Producing | CHESAPEAKE EXPLORATION LLC | NM HARRISON 16-11-5 10H | 40.3506299 | -81.0412767 | 40.3381483 | -81.0283549 |
| 09/26/2013 | HARRISON | ARCHER | 34067211340000 | Producing | CHESAPEAKE EXPLORATION LLC | NM HARRISON 16-11-5 1H | 40.3505830 | -81.0414679 | 40.3668832 | -81.0575383 |
| 02/20/2013 | HARRISON | ATHENS | 34067211350000 | Producing | HESS OHIO DEVELOPMENTS LLC | CNXHAR9N5W 3H-24 | 40.1963552 | -81.0606830 | 40.1801957 | -81.0564997 |
| 03/18/2013 | HARRISON | MOOREFIELD | 34067211360000 | Producing | GULFPORT ENERGY CORPORATION | BK STEPHENS 3-16H | 40.1853307 | -81.1677092 | 40.1989507 | -81.1807444 |
| 04/15/2013 | HARRISON | FREEPORT | 34067211390000 | Producing | GULFPORT ENERGY CORPORATION | CLAY 2-4H | 40.1734460 | -81.2270665 | 40.1911997 | -81.2374598 |
| 03/27/2013 | HARRISON | MOOREFIELD | 34067211400000 | Producing | GULFPORT ENERGY CORPORATION | RYSER 4-25H | 40.2157718 | -81.2018398 | 40.2317276 | -81.2093809 |
| 04/15/2013 | HARRISON | FREEPORT | 34067211410000 | Producing | GULFPORT ENERGY CORPORATION | CLAY 3-4H | 40.1733465 | -81.2270040 | 40.1910467 | -81.2348067 |
| 08/21/2013 | HARRISON | RUMLEY | 34067211420000 | Producing | CHESAPEAKE EXPLORATION LLC | RUBY 15-12-5 8H | 40.4146732 | -81.0246650 | 40.3959236 | -81.0139527 |
| 07/17/2013 | HARRISON | RUMLEY | 34067211430000 | Producing | CHESAPEAKE EXPLORATION LLC | RUBY 15-12-5 3H | 40.4148093 | -81.0245722 | 40.4347785 | -81.0420645 |
| 08/21/2013 | HARRISON | RUMLEY | 34067211440000 | Producing | CHESAPEAKE EXPLORATION LLC | RUBY 15-12-5 6H | 40.4147281 | -81.0246638 | 40.3944612 | -81.0173962 |
| 07/16/2013 | HARRISON | RUMLEY | 34067211450000 | Producing | CHESAPEAKE EXPLORATION LLC | RUBY 15-12-5 1H | 40.4147830 | -81.0246625 | 40.4333099 | -81.0455204 |
| 07/16/2013 | HARRISON | RUMLEY | 34067211460000 | Permitted | CHESAPEAKE EXPLORATION LLC | RUBY 15-12-5 5H | 40.4147544 | -81.0245734 | 40.4230061 | -81.0289813 |
| 08/21/2013 | HARRISON | RUMLEY | 34067211470000 | Permitted | CHESAPEAKE EXPLORATION LLC | RUBY 15-12-5 10H | 40.4146995 | -81.0245746 | 40.3973804 | -81.0105163 |
| 03/06/2013 | HARRISON | RUMLEY | 34067211480000 | Producing | CHESAPEAKE EXPLORATION LLC | STEWART 12-11-5 1H | 40.3786035 | -81.0129207 | 40.3887008 | -81.0251750 |
| 05/19/2014 | HARRISON | GERMAN | 34067211510000 | Drilled | CHESAPEAKE EXPLORATION LLC | ERICSON 11-10-4 5H | 40.3634557 | -80.9018062 | 40.3817853 | -80.9113360 |
| 06/17/2013 | HARRISON | GERMAN | 34067211520000 | Drilled | CHESAPEAKE EXPLORATION LLC | ERICSON 11-10-4 6H | 40.3633367 | -80.9019346 | 40.3471441 | -80.8942960 |
| 05/29/2013 | HARRISON | MOOREFIELD | 34067211550000 | Producing | GULFPORT ENERGY CORPORATION | GUSTINA-BEAR 1-23H | 40.1905843 | -81.1865255 | 40.1771226 | -81.1761754 |
| 05/29/2013 | HARRISON | MOOREFIELD | 34067211560000 | Producing | GULFPORT ENERGY CORPORATION | GUSTINA-BEAR 2-23H | 40.1906085 | -81.1864821 | 40.1748364 | -81.1687020 |
| 05/29/2013 | HARRISON | MOOREFIELD | 34067211570000 | Producing | GULFPORT ENERGY CORPORATION | GUSTINA-BEAR 3-23H | 40.1906327 | -81.1864387 | 40.1760883 | -81.1724668 |
| 03/22/2013 | HARRISON | WASHINGTON | 34067211580000 | Producing | GULFPORT ENERGY CORPORATION | LYON 3-27H | 40.2465539 | -81.3024875 | 40.2300373 | -81.2883285 |
| 04/15/2013 | HARRISON | FREEPORT | 34067211590000 | Producing | GULFPORT ENERGY CORPORATION | CLAY 4-4H | 40.1734846 | -81.2270872 | 40.1912994 | -81.2424942 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 04/01/2013 | HARRISON | MONROE | 34067211600000 | Drilling | CHEVRON APPALACHIA LLC | WAGNER 1-18HD | 40.3876583 | -81.2625643 | 40.3993799 | -81.2688637 |
| 04/01/2013 | HARRISON | MONROE | 34067211610100 | Drilled | CHEVRON APPALACHIA LLC | WAGNER 2-18HD | 40.3876577 | -81.2625104 | 40.3983314 | -81.2645672 |
| 04/09/2013 | HARRISON | ATHENS | 34067211620000 | Drilled | GULFPORT ENERGY CORPORATION | DARLA 3-22H | 40.1784483 | -81.0735764 | 40.1576604 | -81.0576299 |
| 07/08/2013 | HARRISON | ATHENS | 34067211630000 | Drilling | GULFPORT ENERGY CORPORATION | DARLA 1-22H | 40.1784073 | -81.0735880 | 40.1655871 | -81.0531866 |
| 04/09/2013 | HARRISON | ATHENS | 34067211640000 | Drilled | GULFPORT ENERGY CORPORATION | DARLA 2-22H | 40.1784894 | -81.0735648 | 40.1613810 | -81.0546658 |
| 05/08/2013 | HARRISON | GERMAN | 34067211690000 | Permitted | CHESAPEAKE EXPLORATION LLC | HANCHIN 9-11-4 3H | 40.4126918 | -80.8860260 | 40.4257814 | -80.8957279 |
| 05/13/2013 | HARRISON | NORTH | 34067211720000 | Producing | CHESAPEAKE EXPLORATION LLC | WILLIAM PHILLIPS 1-13-6 3H | 40.3874895 | -81.1031891 | 40.4072073 | -81.1174816 |
| 05/13/2013 | HARRISON | NORTH | 34067211730000 | Producing | CHESAPEAKE EXPLORATION LLC | WILLIAM PHILLIPS 1-13-6 1H | 40.3875150 | -81.1032532 | 40.4071859 | -81.1209331 |
| 05/08/2013 | HARRISON | NORTH | 34067211740000 | Producing | CHESAPEAKE EXPLORATION LLC | VALDINGER 12-12-6 1H | 40.3825648 | -81.1287797 | 40.3938820 | -81.1421832 |
| 05/08/2013 | HARRISON | NORTH | 34067211750000 | Producing | CHESAPEAKE EXPLORATION LLC | VALDINGER 12-12-6 8H | 40.3824932 | -81.1287632 | 40.3686929 | -81.1233081 |
| 05/08/2013 | HARRISON | NORTH | 34067211760000 | Producing | CHESAPEAKE EXPLORATION LLC | VALDINGER 12-12-6 12H | 40.3824723 | -81.1286201 | 40.3714535 | -81.1168623 |
| 05/08/2013 | HARRISON | NORTH | 34067211770000 | Producing | CHESAPEAKE EXPLORATION LLC | VALDINGER 12-12-6 10H | 40.3824814 | -81.1286917 | 40.3702253 | -81.1197160 |
| 05/08/2013 | HARRISON | NORTH | 34067211780000 | Producing | CHESAPEAKE EXPLORATION LLC | VALDINGER 12-12-6 5H | 40.3825439 | -81.1286401 | 40.4011129 | -81.1387181 |
| 05/08/2013 | HARRISON | NORTH | 34067211790000 | Producing | CHESAPEAKE EXPLORATION LLC | VALDINGER 12-12-6 3H | 40.3825558 | -81.1287117 | 40.3961266 | -81.1391072 |
| 05/08/2013 | HARRISON | NORTH | 34067211800000 | Producing | CHESAPEAKE EXPLORATION LLC | VALDINGER 12-12-6 7H | 40.3825348 | -81.1285685 | 40.4010946 | -81.1344311 |
| 05/13/2013 | HARRISON | NORTH | 34067211810000 | Producing | CHESAPEAKE EXPLORATION LLC | WILLIAM PHILLIPS 1-13-6 5H | 40.3874667 | -81.1031250 | 40.4065397 | -81.1135991 |
| 05/13/2013 | HARRISON | CADIZ | 34067211820000 | Producing | HESS OHIO DEVELOPMENTS LLC | CADIZ B 2H-14 | 40.2272300 | -81.0383932 | 40.2052596 | -81.0258554 |
| 09/03/2014 | HARRISON | MOOREFIELD | 34067211830000 | Drilling | GULFPORT ENERGY CORPORATION | PUSKARICH 3-18H | 40.2032282 | -81.1629133 | 40.1881288 | -81.1517005 |
| 07/02/2013 | HARRISON | FREEPORT | 34067211840000 | Permitted | GULFPORT ENERGY CORPORATION | MILLIKEN 4-4H | 40.1748469 | -81.2399585 | 40.1921673 | -81.2572683 |
| 07/02/2013 | HARRISON | FREEPORT | 34067211850000 | Producing | GULFPORT ENERGY CORPORATION | MILLIKEN 1-4H | 40.1747795 | -81.2398237 | 40.1988826 | -81.2523035 |
| 07/02/2013 | HARRISON | FREEPORT | 34067211860000 | Producing | GULFPORT ENERGY CORPORATION | MILLIKEN 2-4H | 40.1748020 | -81.2398698 | 40.1981828 | -81.2550838 |
| 07/02/2013 | HARRISON | FREEPORT | 34067211870000 | Producing | GULFPORT ENERGY CORPORATION | MILLIKEN 3-4H | 40.1748244 | -81.2399124 | 40.1980915 | -81.2567716 |
| 06/19/2014 | HARRISON | STOCK | 34067211880000 | Drilling | CHESAPEAKE EXPLORATION LLC | WRIGHT 35-11-5 3H | 40.3600854 | -81.1022377 | 40.3798244 | -81.1150985 |
| 06/19/2014 | HARRISON | STOCK | 34067211890000 | Drilling | CHESAPEAKE EXPLORATION LLC | WRIGHT 35-11-5 5H | 40.3601403 | -81.1022402 | 40.3797661 | -81.1130070 |
| 06/19/2014 | HARRISON | STOCK | 34067211900000 | Drilled | CHESAPEAKE EXPLORATION LLC | WRIGHT 35-11-5 6H | 40.3599986 | -81.1023221 | 40.3414630 | -81.0896694 |
| 06/19/2014 | HARRISON | STOCK | 34067211910000 | Drilled | CHESAPEAKE EXPLORATION LLC | WRIGHT 35-11-5 8H | 40.3600535 | -81.1023245 | 40.3414293 | -81.0876073 |
| 06/19/2014 | HARRISON | STOCK | 34067211920000 | Drilled | CHESAPEAKE EXPLORATION LLC | WRIGHT 35-11-5 10H | 40.3601084 | -81.1023270 | 40.3413955 | -81.0855451 |
| 06/19/2014 | HARRISON | STOCK | 34067211930000 | Drilling | CHESAPEAKE EXPLORATION LLC | WRIGHT 35-11-5 1H | 40.3600305 | -81.1022353 | 40.3798828 | -81.1171937 |
| 08/23/2013 | HARRISON | NORTH | 34067211940000 | Drilled | CHESAPEAKE EXPLORATION LLC | ROGERS 27-12-5 3H | 40.4203175 | -81.0712522 | 40.4384289 | -81.0865142 |
| 06/07/2013 | HARRISON | CADIZ | 34067211950000 | Producing | HESS OHIO DEVELOPMENTS LLC | CADIZ B 1H-14 | 40.2272086 | -81.0384402 | 40.2042069 | -81.0285208 |
| 06/17/2013 | HARRISON | ARCHER | 34067211960000 | Producing | HESS OHIO DEVELOPMENTS LLC | ARCHER A 1H-31 | 40.3004691 | -80.9883328 | 40.3114830 | -81.0072473 |
| 06/07/2013 | HARRISON | CADIZ | 34067211970000 | Drilled | HESS OHIO DEVELOPMENTS LLC | CADIZ B 5H-14 | 40.2272886 | -81.0382522 | 40.2085360 | -81.0181424 |
| 06/07/2013 | HARRISON | CADIZ | 34067211980000 | Producing | HESS OHIO DEVELOPMENTS LLC | CADIZ B 3H-14 | 40.2272486 | -81.0383462 | 40.2063489 | -81.0232750 |
| 06/07/2013 | HARRISON | CADIZ | 34067211990000 | Producing | HESS OHIO DEVELOPMENTS LLC | CADIZ B 4H-14 | 40.2272699 | -81.0382992 | 40.2079709 | -81.0211267 |
| 06/11/2013 | HARRISON | MOOREFIELD | 34067212000000 | Permitted | GULFPORT ENERGY CORPORATION | BK STEPHENS 4-16H | 40.1854390 | -81.1678180 | 40.1985545 | -81.1825636 |
| 09/06/2013 | HARRISON | ARCHER | 34067212010100 | Permitted | CHESAPEAKE EXPLORATION LLC | HELEN HALTER 23-11-5 8H | 40.3598136 | -81.0596721 | 40.3391702 | -81.0450753 |
| 04/30/2014 | HARRISON | ARCHER | 34067212020000 | Drilled | CHESAPEAKE EXPLORATION LLC | HELEN HALTER 23-11-5 1H (3) | 40.3598181 | -81.0598119 | 40.3797030 | -81.0777975 |
| 04/30/2014 | HARRISON | ARCHER | 34067212030000 | Drilled | CHESAPEAKE EXPLORATION LLC | HELEN HALTER 23-11-5 3H (5) | 40.3598503 | -81.0597538 | 40.3802363 | -81.0765405 |
| 04/30/2014 | HARRISON | ARCHER | 34067212040000 | Drilled | CHESAPEAKE EXPLORATION LLC | HELEN HALTER 23-11-5 5H (10H) | 40.3598853 | -81.0596956 | 40.3807697 | -81.0752871 |
| 04/30/2014 | HARRISON | ARCHER | 34067212050000 | Drilled | CHESAPEAKE EXPLORATION LLC | HELEN HALTER 23-11-5 6H (1) | 40.3597464 | -81.0597884 | 40.3381040 | -81.0475846 |
| 04/30/2014 | HARRISON | ARCHER | 34067212060000 | Drilled | CHESAPEAKE EXPLORATION LLC | HELEN HALTER 23-11-5 8H (6H) | 40.3597786 | -81.0597302 | 40.3386371 | -81.0463317 |
| 06/12/2013 | HARRISON | MOOREFIELD | 34067212070000 | Permitted | GULFPORT ENERGY CORPORATION | BK STEPHENS 6-16-H | 40.1855057 | -81.1678847 | 40.1730702 | -81.1630007 |
| 06/12/2013 | HARRISON | MOOREFIELD | 34067212080000 | Permitted | GULFPORT ENERGY CORPORATION | BK STEPHENS 5-16H | 40.1854723 | -81.1678496 | 40.1725658 | -81.1604987 |
| 06/13/2014 | HARRISON | MOOREFIELD | 34067212090000 | Drilling | GULFPORT ENERGY CORPORATION | PUSKARICH 1-18H | 40.2032961 | -81.1628511 | 40.1928152 | -81.1514986 |
| 06/13/2014 | HARRISON | MOOREFIELD | 34067212100000 | Drilled | GULFPORT ENERGY CORPORATION | PUSKARICH 2-18H | 40.2032608 | -81.1628840 | 40.1878653 | -81.1517094 |
| 06/17/2013 | HARRISON | ARCHER | 34067212110000 | Producing | HESS OHIO DEVELOPMENTS LLC | ARCHER A 2H-31 | 40.3004597 | -80.9882506 | 40.3126124 | -81.0046077 |
| 06/21/2013 | HARRISON | ARCHER | 34067212120000 | Producing | HESS OHIO DEVELOPMENTS LLC | ARCHER A 4H-31 | 40.3004357 | -80.9880934 | 40.3148905 | -80.9993495 |
| 06/21/2013 | HARRISON | ARCHER | 34067212130000 | Producing | HESS OHIO DEVELOPMENTS LLC | ARCHER A 3H-31 | 40.3004477 | -80.9881720 | 40.3137633 | -81.0019390 |
| 10/29/2013 | HARRISON | ATHENS | 34067212140000 | Drilled | HESS OHIO DEVELOPMENTS LLC | ATHENS B 4H-5 | 40.1791212 | -81.0100256 | 40.2001921 | -81.0318276 |
| 10/29/2013 | HARRISON | ATHENS | 34067212150000 | Drilled | HESS OHIO DEVELOPMENTS LLC | ATHENS B 3H-5 | 40.1791532 | -81.0099533 | 40.2023844 | -81.0287578 |
| 10/29/2013 | HARRISON | ATHENS | 34067212160000 | Drilled | HESS OHIO DEVELOPMENTS LLC | ATHENS B 2H-5 | 40.1791825 | -81.0098846 | 40.2039150 | -81.0254840 |
| 07/08/2013 | HARRISON | ATHENS | 34067212170000 | Drilled | GULFPORT ENERGY CORPORATION | WAGNER 4-28 H | 40.1785277 | -81.0735533 | 40.1555044 | -81.0603667 |
| 08/09/2013 | HARRISON | RUMLEY | 34067212180000 | Producing | CHESAPEAKE EXPLORATION LLC | LONG 21-12-5 6H | 40.4177019 | -81.0525775 | 40.3995390 | -81.0437364 |
| 10/29/2013 | HARRISON | ATHENS | 34067212190000 | Drilled | HESS OHIO DEVELOPMENTS LLC | ATHENS B 1H-5 | 40.1792117 | -81.0098124 | 40.2045650 | -81.0214168 |
| 08/09/2013 | HARRISON | RUMLEY | 34067212200000 | Producing | CHESAPEAKE EXPLORATION LLC | LONG 21-12-5 7H | 40.4176501 | -81.0526073 | 40.4002798 | -81.0417704 |
| 08/22/2014 | HARRISON | NORTH | 34067212210000 | Drilling | CHESAPEAKE EXPLORATION LLC | DEMIS 12-12-6 2H (1H) | 40.3786857 | -81.1400050 | 40.3987194 | -81.1556501 |
| 08/22/2014 | HARRISON | NORTH | 34067212220000 | Drilling | CHESAPEAKE EXPLORATION LLC | DEMIS 12-12-6 4H (5H) | 40.3786785 | -81.1398616 | 40.4000550 | -81.1525137 |
| 08/22/2014 | HARRISON | NORTH | 34067212230000 | Drilling | CHESAPEAKE EXPLORATION LLC | DEMIS 12-12-6 3H | 40.3786821 | -81.1399333 | 40.3993872 | -81.1540819 |
| 12/18/2014 | HARRISON | NORTH | 34067212280000 | Drilling | CHESAPEAKE EXPLORATION LLC | KLODT 29-11-5 8H | 40.3669681 | -81.0784997 | 40.3488332 | -81.0645233 |
| 12/18/2014 | HARRISON | NORTH | 34067212290000 | Drilling | CHESAPEAKE EXPLORATION LLC | KLODT 29-11-5 6H | 40.3669132 | -81.0785044 | 40.3481666 | -81.0660912 |
| 12/18/2014 | HARRISON | NORTH | 34067212300000 | Drilling | CHESAPEAKE EXPLORATION LLC | KLODT 29-11-5 5H | 40.3669916 | -81.0784059 | 40.3905835 | -81.0926983 |
| 12/18/2014 | HARRISON | NORTH | 34067212310000 | Permitted | CHESAPEAKE EXPLORATION LLC | KLODT 29-11-5 3H | 40.3669367 | -81.0784106 | 40.3899968 | -81.0943262 |
| 12/18/2014 | HARRISON | NORTH | 34067212320000 | Permitted | CHESAPEAKE EXPLORATION LLC | KLODT 29-11-5 10H | 40.3670229 | -81.0784949 | 40.3494997 | -81.0629553 |
| 12/18/2014 | HARRISON | NORTH | 34067212330000 | Drilling | CHESAPEAKE EXPLORATION LLC | KLODT 29-11-5 1H | 40.3668819 | -81.0784154 | 40.3894129 | -81.0959541 |
| 01/27/2014 | HARRISON | RUMLEY | 34067212340000 | Drilled | CHESAPEAKE EXPLORATION LLC | ARBAUGH 31-11-4 1H | 40.3818841 | -80.9824848 | 40.3976172 | -80.9980083 |
| 08/29/2013 | HARRISON | FREEPORT | 34067212350100 | Permitted | CHEVRON APPALACHIA LLC | E CLARK SOUTH 7-25HD | 40.2246335 | -81.2998648 | 40.2139154 | -81.2901854 |
| 08/29/2013 | HARRISON | FREEPORT | 34067212370000 | Drilled | CHEVRON APPALACHIA LLC | E CLARK SOUTH 5-25HD | 40.2244885 | -81.2999139 | 40.2437277 | -81.3146782 |
| 08/29/2013 | HARRISON | FREEPORT | 34067212380000 | Permitted | CHEVRON APPALACHIA LLC | E CLARK SOUTH 9-25HD | 40.2245563 | -81.2998303 | 40.2354685 | -81.3053258 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 01/27/2014 | HARRISON | RUMLEY | 34067212390000 | Drilled | CHESAPEAKE EXPLORATION LLC | ARBAUGH 31-11-4 5H | 40.3819821 | -80.9824287 | 40.3987449 | -80.9902664 |
| 01/27/2014 | HARRISON | RUMLEY | 34067212430000 | Drilled | CHESAPEAKE EXPLORATION LLC | ARBAUGH 31-11-4 3H | 40.3819365 | -80.9825051 | 40.3988907 | -80.9944427 |
| 10/31/2013 | HARRISON | STOCK | 34067212440100 | Producing | ECLIPSE RESOURCES I LP | MIZER UNIT 10H | 40.3322439 | -81.1167315 | 40.3193709 | -81.1007340 |
| 10/31/2013 | HARRISON | STOCK | 34067212450100 | Producing | ECLIPSE RESOURCES I LP | MIZER UNIT 8H | 40.3321949 | -81.1167612 | 40.3183355 | -81.1031621 |
| 10/31/2013 | HARRISON | STOCK | 34067212460100 | Producing | ECLIPSE RESOURCES I LP | MIZER UNIT 6H | 40.3321431 | -81.1167946 | 40.3173029 | -81.1055901 |
| 10/31/2013 | HARRISON | STOCK | 34067212470100 | Producing | ECLIPSE RESOURCES I LP | MIZER UNIT 2H | 40.3320450 | -81.1168576 | 40.3163324 | -81.1104231 |
| 10/31/2013 | HARRISON | STOCK | 34067212480100 | Producing | ECLIPSE RESOURCES I LP | MIZER UNIT 4H | 40.3320941 | -81.1168243 | 40.3162674 | -81.1080181 |
| 09/18/2013 | HARRISON | NORTH | 34067212490000 | Drilled | CHESAPEAKE EXPLORATION LLC | ROGERS 27-12-5 1H | 40.4202625 | -81.0712462 | 40.4369937 | -81.0898966 |
| 09/18/2013 | HARRISON | NORTH | 34067212500000 | Drilled | CHESAPEAKE EXPLORATION LLC | ROGERS 27-12-5 5H | 40.4203697 | -81.0712547 | 40.4399056 | -81.0829510 |
| 09/18/2013 | HARRISON | NORTH | 34067212510000 | Drilled | CHESAPEAKE EXPLORATION LLC | ROGERS 27-12-5 7H | 40.4204247 | -81.0712607 | 40.4413984 | -81.0793658 |
| 10/11/2013 | HARRISON | STOCK | 34067212530000 | Producing | ECLIPSE RESOURCES I LP | MIZER FARMS UNIT 7H | 40.3024296 | -81.0958112 | 40.3180360 | -81.1026878 |
| 10/11/2013 | HARRISON | STOCK | 34067212540000 | Producing | ECLIPSE RESOURCES I LP | MIZER FARMS UNIT 5H | 40.3024260 | -81.0957395 | 40.3170833 | -81.1049241 |
| 10/11/2013 | HARRISON | STOCK | 34067212550000 | Producing | ECLIPSE RESOURCES I LP | MIZER FARMS UNIT 3H | 40.3023711 | -81.0957407 | 40.3161333 | -81.1071566 |
| 10/11/2013 | HARRISON | STOCK | 34067212560000 | Producing | ECLIPSE RESOURCES I LP | MIZER FARMS UNIT 9H | 40.3024845 | -81.0958064 | 40.3189859 | -81.1004551 |
| 02/19/2014 | HARRISON | STOCK | 34067212570100 | Producing | ECLIPSE RESOURCES I LP | MIZER FARMS UNIT 1H | 40.3023162 | -81.0957454 | 40.3151833 | -81.1093891 |
| 12/05/2014 | HARRISON | MOOREFIELD | 34067212580000 | Permitted | AMERICAN ENERGY UTICA LLC | RH CONOTTON MRF HR 2H | 40.2193582 | -81.1628342 | 40.1996658 | -81.1522984 |
| 11/26/2013 | HARRISON | NOTTINGHAM | 34067212590000 | Producing | AMERICAN ENERGY UTICA LLC | JONES N NTG HR 5H | 40.2540202 | -81.1675793 | 40.2692602 | -81.1796963 |
| 11/06/2013 | HARRISON | MOOREFIELD | 34067212610000 | Producing | GULFPORT ENERGY CORPORATION | MICHAEL 1-23H | 40.1942138 | -81.1714234 | 40.1724001 | -81.1534417 |
| 11/06/2013 | HARRISON | MOOREFIELD | 34067212620000 | Permitted | GULFPORT ENERGY CORPORATION | MICHAEL 2-23H | 40.1942281 | -81.1714768 | 40.1712525 | -81.1488057 |
| 11/26/2013 | HARRISON | NOTTINGHAM | 34067212640000 | Producing | AMERICAN ENERGY UTICA LLC | JONES N NTG HR 7H | 40.2540304 | -81.1675075 | 40.2696335 | -81.1768543 |
| 11/26/2013 | HARRISON | NOTTINGHAM | 34067212650000 | Producing | AMERICAN ENERGY UTICA LLC | JONES N NTG HR 1H | 40.2540054 | -81.1677194 | 40.2666270 | -81.1839196 |
| 11/26/2013 | HARRISON | NOTTINGHAM | 34067212660000 | Producing | AMERICAN ENERGY UTICA LLC | JONES N NTG HR 3H | 40.2540128 | -81.1676476 | 40.2675409 | -81.1815257 |
| 11/29/2013 | HARRISON | NOTTINGHAM | 34067212670000 | Producing | AMERICAN ENERGY UTICA LLC | JONES N NTG HR 9H | 40.2540378 | -81.1674357 | 40.2705582 | -81.1744528 |
| 12/20/2013 | HARRISON | MOOREFIELD | 34067212700000 | Drilled | AMERICAN ENERGY UTICA LLC | RH TARBERT MRF HR 3H | 40.2015380 | -81.1792004 | 40.2153418 | -81.1887677 |
| 12/20/2013 | HARRISON | MOOREFIELD | 34067212710000 | Drilled | AMERICAN ENERGY UTICA LLC | RH TARBERT MRF HR 5H | 40.2015509 | -81.1791322 | 40.2163660 | -81.1864022 |
| 12/20/2013 | HARRISON | MOOREFIELD | 34067212720000 | Drilled | AMERICAN ENERGY UTICA LLC | RH TARBERT MRF HR 1H | 40.2015223 | -81.1792688 | 40.2143363 | -81.1910862 |
| 04/17/2014 | HARRISON | NORTH | 34067212730000 | Drilled | CHESAPEAKE EXPLORATION LLC | TRUSHELL 8-13-6 1H | 40.4133365 | -81.1244404 | 40.4304607 | -81.1358088 |
| 04/17/2014 | HARRISON | NORTH | 34067212740000 | Drilled | CHESAPEAKE EXPLORATION LLC | TRUSHELL 8-13-6 3H | 40.4133002 | -81.1243873 | 40.4314901 | -81.1335029 |
| 04/17/2014 | HARRISON | NORTH | 34067212750000 | Drilled | CHESAPEAKE EXPLORATION LLC | TRUSHELL 8-13-6 5H | 40.4132638 | -81.1243341 | 40.4324635 | -81.1313490 |
| 03/18/2014 | HARRISON | MOOREFIELD | 34067212760000 | Drilled | AMERICAN ENERGY UTICA LLC | RH HAMILTON S MRF HR 2H | 40.2246697 | -81.1787721 | 40.2024471 | -81.1719328 |
| 01/23/2014 | HARRISON | MOOREFIELD | 34067212780000 | Drilled | GULFPORT ENERGY CORPORATION | DAVIDSON 1-36H | 40.2101466 | -81.2088128 | 40.2244038 | -81.2198649 |
| 01/23/2014 | HARRISON | MOOREFIELD | 34067212790000 | Drilling | GULFPORT ENERGY CORPORATION | DAVIDSON 2-36H | 40.2101852 | -81.2088228 | 40.2283378 | -81.2186506 |
| 03/26/2014 | HARRISON | GERMAN | 34067212810000 | Drilled | CHESAPEAKE EXPLORATION LLC | HALL 29-10-4 3H | 40.3545002 | -80.9616671 | 40.3734063 | -80.9754773 |
| 02/19/2014 | HARRISON | STOCK | 34067212840000 | Drilled | ECLIPSE RESOURCES I LP | MADZIA UNIT 10H | 40.3146346 | -81.0871127 | 40.3040664 | -81.0715705 |
| 02/19/2014 | HARRISON | STOCK | 34067212850000 | Drilled | ECLIPSE RESOURCES I LP | MADZIA UNIT 6H | 40.3145430 | -81.0870321 | 40.3018662 | -81.0767412 |
| 02/19/2014 | HARRISON | STOCK | 34067212860000 | Drilling | ECLIPSE RESOURCES I LP | MADZIA UNIT 8H | 40.3145875 | -81.0870742 | 40.3029649 | -81.0741541 |
| 02/19/2014 | HARRISON | STOCK | 34067212870000 | Drilled | ECLIPSE RESOURCES I LP | MADZIA UNIT 4H | 40.3144986 | -81.0869936 | 40.3007647 | -81.0793246 |
| 02/19/2014 | HARRISON | STOCK | 34067212880000 | Drilled | ECLIPSE RESOURCES I LP | MADZIA UNIT 2H | 40.3144514 | -81.0869516 | 40.2996658 | -81.0819115 |
| 08/12/2014 | HARRISON | NOTTINGHAM | 34067212890000 | Drilling | AMERICAN ENERGY UTICA LLC | RH BSA S NTG HR 2H | 40.2590577 | -81.1531142 | 40.2439012 | -81.1505609 |
| 02/07/2014 | HARRISON | NORTH | 34067212900000 | Drilling | CHESAPEAKE EXPLORATION LLC | YODER NORTH 33-12-5 3H | 40.4231631 | -81.0885800 | 40.4378452 | -81.1006354 |
| 02/10/2014 | HARRISON | STOCK | 34067212910000 | Producing | CHESAPEAKE EXPLORATION LLC | DODSON 28-11-5 6H | 40.3504973 | -81.0796830 | 40.3301526 | -81.0687667 |
| 02/10/2014 | HARRISON | STOCK | 34067212920000 | Producing | CHESAPEAKE EXPLORATION LLC | DODSON 28-11-5 10H | 40.3505970 | -81.0797491 | 40.3324277 | -81.0623831 |
| 04/15/2014 | HARRISON | GERMAN | 34067212940000 | Drilled | CHESAPEAKE EXPLORATION LLC | HALL 29-10-4 1H | 40.3544597 | -80.9617147 | 40.3735663 | -80.9800609 |
| 02/18/2014 | HARRISON | NORTH | 34067212970000 | Drilled | CHESAPEAKE EXPLORATION LLC | YODER NORTH 33-12-5 1H | 40.4231133 | -81.0885488 | 40.4366459 | -81.1033551 |
| 03/06/2014 | HARRISON | MONROE | 34067212980000 | Permitted | CHESAPEAKE EXPLORATION LLC | BOWERSTON 21-13-6 10H | 40.4212626 | -81.1658632 | 40.4020666 | -81.1503652 |
| 03/06/2014 | HARRISON | MONROE | 34067212990000 | Permitted | CHESAPEAKE EXPLORATION LLC | BOWERSTON 21-13-6 8H | 40.4212417 | -81.1659534 | 40.4005601 | -81.1539074 |
| 03/06/2014 | HARRISON | MONROE | 34067213000000 | Permitted | CHESAPEAKE EXPLORATION LLC | BOWERSTON 21-13-6 6H | 40.4212965 | -81.1659487 | 40.3990909 | -81.1573554 |
| 03/10/2014 | HARRISON | ATHENS | 34067213010000 | Permitted | HESS OHIO DEVELOPMENTS LLC | ATHENS C 1H-19 | 40.2212494 | -81.0535398 | 40.1973299 | -81.0415132 |
| 03/10/2014 | HARRISON | ATHENS | 34067213020000 | Drilled | HESS OHIO DEVELOPMENTS LLC | ATHENS C 2H-19 | 40.2212708 | -81.0534928 | 40.1982094 | -81.0394499 |
| 03/10/2014 | HARRISON | ATHENS | 34067213030000 | Drilled | HESS OHIO DEVELOPMENTS LLC | ATHENS C 3H-19 | 40.2212894 | -81.0534458 | 40.1990887 | -81.0373830 |
| 03/10/2014 | HARRISON | ATHENS | 34067213040000 | Drilled | HESS OHIO DEVELOPMENTS LLC | ATHENS C 4H-19 | 40.2213507 | -81.0530828 | 40.1999681 | -81.0353195 |
| 03/10/2014 | HARRISON | ATHENS | 34067213050000 | Drilled | HESS OHIO DEVELOPMENTS LLC | ATHENS C 5H-19 | 40.2213294 | -81.0533518 | 40.2008474 | -81.0332525 |
| 03/10/2014 | HARRISON | ATHENS | 34067213060000 | Drilled | HESS OHIO DEVELOPMENTS LLC | ATHENS C 6H-19 | 40.2213507 | -81.0533048 | 40.2017927 | -81.0314058 |
| 03/12/2014 | HARRISON | CADIZ | 34067213070000 | Drilling | HESS OHIO DEVELOPMENTS LLC | CADIZ C 1H-11 | 40.2834775 | -81.0124614 | 40.3031965 | -81.0329403 |
| 03/12/2014 | HARRISON | CADIZ | 34067213080000 | Drilling | HESS OHIO DEVELOPMENTS LLC | CADIZ C 4H-11 | 40.2834754 | -81.0123001 | 40.3064923 | -81.0251837 |
| 03/12/2014 | HARRISON | CADIZ | 34067213090000 | Drilling | HESS OHIO DEVELOPMENTS LLC | CADIZ C 5H-11 | 40.2834747 | -81.0122464 | 40.3075926 | -81.0225991 |
| 03/12/2014 | HARRISON | CADIZ | 34067213100000 | Permitted | HESS OHIO DEVELOPMENTS LLC | CADIZ C 3H-11 | 40.2834761 | -81.0123539 | 40.3053946 | -81.0277681 |
| 03/12/2014 | HARRISON | CADIZ | 34067213110000 | Drilling | HESS OHIO DEVELOPMENTS LLC | CADIZ C 2H-11 | 40.2834768 | -81.0124076 | 40.3042942 | -81.0303561 |
| 03/18/2014 | HARRISON | MOOREFIELD | 34067213120000 | Drilled | AMERICAN ENERGY UTICA LLC | RH HAMILTON S MRF HR 4H | 40.2247187 | -81.1787353 | 40.2049746 | -81.1706797 |
| 03/18/2014 | HARRISON | MOOREFIELD | 34067213130000 | Drilled | AMERICAN ENERGY UTICA LLC | RH HAMILTON S MRF HR 6H | 40.2247650 | -81.1787021 | 40.2071251 | -81.1686570 |
| 03/18/2014 | HARRISON | MOOREFIELD | 34067213140000 | Drilled | AMERICAN ENERGY UTICA LLC | RH HAMILTON S MRF HR 8H | 40.2248140 | -81.1786654 | 40.2080513 | -81.1664008 |
| 03/18/2014 | HARRISON | MOOREFIELD | 34067213150000 | Drilled | AMERICAN ENERGY UTICA LLC | RH HAMILTON S MRF HR 10H | 40.2248630 | -81.1786322 | 40.2084246 | -81.1638227 |
| 03/19/2014 | HARRISON | CADIZ | 34067213160000 | Drilled | HESS OHIO DEVELOPMENTS LLC | CADIZ D 5H-8 | 40.2307384 | -81.0237140 | 40.2112998 | -81.0023620 |
| 03/25/2014 | HARRISON | NORTH | 34067213170000 | Drilled | CHESAPEAKE EXPLORATION LLC | YODER 33-12-5 10H | 40.4231204 | -81.0884516 | 40.4059948 | -81.0729704 |
| 03/19/2014 | HARRISON | CADIZ | 34067213180000 | Drilled | HESS OHIO DEVELOPMENTS LLC | CADIZ D 1H-8 | 40.2306584 | -81.0239020 | 40.2069143 | -81.0127325 |
| 03/26/2014 | HARRISON | CADIZ | 34067213190000 | Drilled | HESS OHIO DEVELOPMENTS LLC | CADIZ D 2H-8 | 40.2306770 | -81.0238550 | 40.2081057 | -81.0102068 |
| 03/26/2014 | HARRISON | CADIZ | 34067213200000 | Drilled | HESS OHIO DEVELOPMENTS LLC | CADIZ D 3H-8 | 40.2306984 | -81.0238080 | 40.2091669 | -81.0075980 |
| 03/26/2014 | HARRISON | CADIZ | 34067213210000 | Drilled | HESS OHIO DEVELOPMENTS LLC | CADIZ D 4H-8 | 40.2307170 | -81.0237610 | 40.2101117 | -81.0049165 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 04/17/2014 | HARRISON | NORTH | 34067213220000 | Drilled | CHESAPEAKE EXPLORATION LLC | TRUSHELL 8-13-6 201H | 40.4133728 | -81.1244935 | 40.4319392 | -81.1398451 |
| 04/30/2014 | HARRISON | ARCHER | 34067213240000 | Drilled | CHESAPEAKE EXPLORATION LLC | HELEN HALTER 23-11-5 205H | 40.3599175 | -81.0596375 | 40.3813031 | -81.0740336 |
| 04/30/2014 | HARRISON | ARCHER | 34067213250000 | Drilled | CHESAPEAKE EXPLORATION LLC | HELEN HALTER 23-11-5 210H | 40.3598458 | -81.0596140 | 40.3397032 | -81.0438224 |
| 04/30/2014 | HARRISON | NORTH | 34067213260000 | Drilling | CHESAPEAKE EXPLORATION LLC | YODER 33-12-5 6H | 40.4230663 | -81.0885174 | 40.4033786 | -81.0791346 |
| 04/30/2014 | HARRISON | NORTH | 34067213270000 | Drilled | CHESAPEAKE EXPLORATION LLC | YODER 33-12-5 8H | 40.4230733 | -81.0884203 | 40.4045759 | -81.0762973 |
| 08/12/2014 | HARRISON | NOTTINGHAM | 34067213280000 | Drilled | AMERICAN ENERGY UTICA LLC | RH BSA S NTG HR 4H | 40.2591101 | -81.1531382 | 40.2438410 | -81.1464174 |
| 08/12/2014 | HARRISON | NOTTINGHAM | 34067213290000 | Drilled | AMERICAN ENERGY UTICA LLC | RH BSA S NTG HR 6H | 40.2591626 | -81.1531622 | 40.2438610 | -81.1423332 |
| 08/12/2014 | HARRISON | NOTTINGHAM | 34067213300000 | Drilling | AMERICAN ENERGY UTICA LLC | RH BSA S NTG HR 8H | 40.2592150 | -81.1531827 | 40.2446922 | -81.1388378 |
| 05/12/2014 | HARRISON | NOTTINGHAM | 34067213310000 | Drilling | AMERICAN ENERGY UTICA LLC | RH BSA N NTG HR 5H | 40.2591167 | -81.1532276 | 40.2749180 | -81.1669654 |
| 05/12/2014 | HARRISON | NOTTINGHAM | 34067213320000 | Drilling | AMERICAN ENERGY UTICA LLC | RH BSA N NTG HR 7H | 40.2591691 | -81.1532517 | 40.2759200 | -81.1646158 |
| 05/12/2014 | HARRISON | NOTTINGHAM | 34067213330000 | Drilling | AMERICAN ENERGY UTICA LLC | RH BSA N NTG HR 1H | 40.2590119 | -81.1531832 | 40.2729140 | -81.1716608 |
| 05/12/2014 | HARRISON | NOTTINGHAM | 34067213340000 | Drilling | AMERICAN ENERGY UTICA LLC | RH BSA N NTG HR 3H | 40.2590643 | -81.1532036 | 40.2739160 | -81.1693113 |
| 05/12/2014 | HARRISON | NOTTINGHAM | 34067213350000 | Drilling | AMERICAN ENERGY UTICA LLC | RH BSA N NTG HR 9H | 40.2592215 | -81.1532721 | 40.2769219 | -81.1622697 |
| 06/09/2014 | HARRISON | GERMAN | 34067213380000 | Drilled | CHESAPEAKE EXPLORATION LLC | MURRAY 5-10-4 6H | 40.3635657 | -80.8872002 | 40.3425425 | -80.8772212 |
| 06/09/2014 | HARRISON | GERMAN | 34067213400000 | Drilled | CHESAPEAKE EXPLORATION LLC | MURRAY 5-10-4 3H | 40.3636724 | -80.8871725 | 40.3819176 | -80.9023330 |
| 06/02/2014 | HARRISON | STOCK | 34067213420000 | Drilled | ECLIPSE RESOURCES I LP | JOHN MILLS WEST UNIT 3H | 40.3144070 | -81.0869131 | 40.3336093 | -81.1035348 |
| 06/02/2014 | HARRISON | STOCK | 34067213430000 | Drilled | ECLIPSE RESOURCES I LP | JOHN MILLS WEST UNIT 1H | 40.3143599 | -81.0868710 | 40.3356080 | -81.1084792 |
| 07/23/2014 | HARRISON | CADIZ | 34067213440000 | Drilling | HESS OHIO DEVELOPMENTS LLC | CADIZ A 2H-23 | 40.2810297 | -81.0645073 | 40.2644621 | -81.0590975 |
| 07/23/2014 | HARRISON | CADIZ | 34067213450000 | Permitted | HESS OHIO DEVELOPMENTS LLC | CADIZ A 4H-23 | 40.2809504 | -81.0645341 | 40.2681546 | -81.0482991 |
| 07/23/2014 | HARRISON | CADIZ | 34067213460000 | Drilling | HESS OHIO DEVELOPMENTS LLC | CADIZ A 3H-23 | 40.2809873 | -81.0644150 | 40.2669239 | -81.0518987 |
| 07/14/2014 | HARRISON | NORTH | 34067213500000 | Drilled | CHESAPEAKE EXPLORATION LLC | JAMAR 15-13-6 4H | 40.4311984 | -81.1419582 | 40.4528080 | -81.1564740 |
| 07/14/2014 | HARRISON | NORTH | 34067213510000 | Drilled | CHESAPEAKE EXPLORATION LLC | JAMAR 15-13-6 3H | 40.4311550 | -81.1420022 | 40.4521402 | -81.1580435 |
| 07/14/2014 | HARRISON | NORTH | 34067213520000 | Drilled | CHESAPEAKE EXPLORATION LLC | JAMAR 15-13-6 2H | 40.4311116 | -81.1420426 | 40.4514723 | -81.1596129 |
| 07/10/2014 | HARRISON | NORTH | 34067213530000 | Drilled | CHESAPEAKE EXPLORATION LLC | JAMAR 15-13-6 1H | 40.4310655 | -81.1420866 | 40.4508044 | -81.1611823 |
| 07/11/2014 | HARRISON | NORTH | 34067213540000 | Drilled | CHESAPEAKE EXPLORATION LLC | JAMAR 15-13-6 201H | 40.4309786 | -81.1421710 | 40.4494685 | -81.1643210 |
| 07/10/2014 | HARRISON | NORTH | 34067213550000 | Drilled | CHESAPEAKE EXPLORATION LLC | JAMAR 15-13-6 101H | 40.4310220 | -81.1421306 | 40.4501365 | -81.1627517 |
| 07/18/2014 | HARRISON | NORTH | 34067213560000 | Drilling | CHESAPEAKE EXPLORATION LLC | R ALAN 3-13-6 1H | 40.4168948 | -81.1018869 | 40.4388357 | -81.1170338 |
| 07/18/2014 | HARRISON | NORTH | 34067213570000 | Permitted | CHESAPEAKE EXPLORATION LLC | R ALAN 3-13-6 2H | 40.4169159 | -81.1018182 | 40.4395030 | -81.1154642 |
| 07/18/2014 | HARRISON | NORTH | 34067213580000 | Drilling | CHESAPEAKE EXPLORATION LLC | R ALAN 3-13-6 3H | 40.4169343 | -81.1017496 | 40.4401703 | -81.1138946 |
| 07/18/2014 | HARRISON | NORTH | 34067213590000 | Permitted | CHESAPEAKE EXPLORATION LLC | R ALAN 3-13-6 4H | 40.4169527 | -81.1016846 | 40.4408375 | -81.1123250 |
| 06/19/2014 | HARRISON | STOCK | 34067213600000 | Drilled | CHESAPEAKE EXPLORATION LLC | WRIGHT 35-11-5 205H | 40.3601953 | -81.1022426 | 40.3797049 | -81.1109119 |
| 06/19/2014 | HARRISON | STOCK | 34067213610000 | Drilled | CHESAPEAKE EXPLORATION LLC | WRIGHT 35-11-5 210H | 40.3601634 | -81.1023330 | 40.3413589 | -81.0834830 |
| 08/11/2014 | HARRISON | MOOREFIELD | 34067213620000 | Drilled | AMERICAN ENERGY UTICA LLC | RH HAMILTON N MRF HR 7H | 40.2248177 | -81.1787476 | 40.2509323 | -81.1943855 |
| 08/11/2014 | HARRISON | MOOREFIELD | 34067213640000 | Drilling | AMERICAN ENERGY UTICA LLC | RH HAMILTON N MRF HR 5H | 40.2247687 | -81.1787808 | 40.2498018 | -81.1970695 |
| 08/11/2014 | HARRISON | MOOREFIELD | 34067213650000 | Permitted | AMERICAN ENERGY UTICA LLC | RH HAMILTON N MRF HR 3H | 40.2247197 | -81.1788176 | 40.2398472 | -81.1934379 |
| 08/11/2014 | HARRISON | MOOREFIELD | 34067213660000 | Drilling | AMERICAN ENERGY UTICA LLC | RH HAMILTON N MRF HR 1H | 40.2246734 | -81.1788508 | 40.2359239 | -81.1941235 |
| 08/26/2014 | HARRISON | RUMLEY | 34067213680000 | Drilled | CHESAPEAKE EXPLORATION LLC | MATTIE 18-11-5 8H | 40.3718715 | -81.0432888 | 40.3445245 | -81.0229546 |
| 08/26/2014 | HARRISON | RUMLEY | 34067213690000 | Drilling | CHESAPEAKE EXPLORATION LLC | MATTIE 18-11-5 7H | 40.3718479 | -81.0433826 | 40.3435654 | -81.0252110 |
| 08/26/2014 | HARRISON | RUMLEY | 34067213700000 | Drilled | CHESAPEAKE EXPLORATION LLC | MATTIE 18-11-5 6H | 40.3718061 | -81.0433333 | 40.3426063 | -81.0274709 |
| 10/15/2014 | HARRISON | FRANKLIN | 34067213710000 | Drilling | AMERICAN ENERGY UTICA LLC | TRIPLETT FRK HR 3H | 40.3208388 | -81.2243706 | 40.3371192 | -81.2350759 |
| 11/10/2014 | HARRISON | FRANKLIN | 34067213720100 | Permitted | AMERICAN ENERGY UTICA LLC | TRIPLETT W FRK HR 1H | 40.3208120 | -81.2244321 | 40.3409631 | -81.2410802 |
| 09/02/2014 | HARRISON | FRANKLIN | 34067213730000 | Drilling | AMERICAN ENERGY UTICA LLC | TRIPLETT S FRK HR 2H | 40.3207346 | -81.2246237 | 40.3029812 | -81.2133925 |
| 10/28/2014 | HARRISON | FRANKLIN | 34067213730100 | Permitted | AMERICAN ENERGY UTICA LLC | TRIPLETT S FRK HR 2H | 40.3207346 | -81.2246237 | 40.3029812 | -81.2133925 |
| 10/15/2014 | HARRISON | FRANKLIN | 34067213740000 | Permitted | AMERICAN ENERGY UTICA LLC | TRIPLETT E FRK HR 5H | 40.3208655 | -81.2243056 | 40.3387640 | -81.2331363 |
| 09/02/2014 | HARRISON | FRANKLIN | 34067213750000 | Drilling | AMERICAN ENERGY UTICA LLC | TRIPLETT S FRK HR 4H | 40.3207613 | -81.2245586 | 40.3029174 | -81.2101741 |
| 09/02/2014 | HARRISON | FRANKLIN | 34067213760000 | Drilling | AMERICAN ENERGY UTICA LLC | TRIPLETT S FRK HR 6H | 40.3207880 | -81.2244971 | 40.3028728 | -81.2069731 |
| 08/22/2014 | HARRISON | NORTH | 34067213770000 | Drilling | CHESAPEAKE EXPLORATION LLC | DEMIS 12-12-6 1H | 40.3786920 | -81.1400767 | 40.3980516 | -81.1572183 |
| 08/28/2014 | HARRISON | ARCHER | 34067213780000 | Drilling | CHESAPEAKE EXPLORATION LLC | BUELL 10-11-5 1H | 40.3502814 | -81.0195656 | 40.3728563 | -81.0402307 |
| 08/28/2014 | HARRISON | ARCHER | 34067213790000 | Drilling | CHESAPEAKE EXPLORATION LLC | BUELL 10-11-5 2H | 40.3503072 | -81.0196547 | 40.3738157 | -81.0379700 |
| 08/28/2014 | HARRISON | ARCHER | 34067213800000 | Drilling | CHESAPEAKE EXPLORATION LLC | BUELL 10-11-5 3H | 40.3503363 | -81.0195679 | 40.3747750 | -81.0357127 |
| 08/28/2014 | HARRISON | ARCHER | 34067213810000 | Drilling | CHESAPEAKE EXPLORATION LLC | BUELL 10-11-5 4H | 40.3503913 | -81.0195703 | 40.3757370 | -81.0334518 |
| 08/29/2014 | HARRISON | MOOREFIELD | 34067213820000 | Drilling | GULFPORT ENERGY CORPORATION | VOZAR 210212 2B | 40.1974125 | -81.2088904 | 40.2138119 | -81.2202717 |
| 08/29/2014 | HARRISON | MOOREFIELD | 34067213830000 | Drilling | GULFPORT ENERGY CORPORATION | VOZAR 210212 1A | 40.1973686 | -81.2088913 | 40.2113183 | -81.2221348 |
| 08/29/2014 | HARRISON | MOOREFIELD | 34067213840000 | Drilling | GULFPORT ENERGY CORPORATION | VOZAR 210212 3C | 40.1974536 | -81.2088860 | 40.2186386 | -81.2200791 |
| 09/30/2014 | HARRISON | WASHINGTON | 34067213850000 | Drilling | CHEVRON APPALACHIA LLC | GOODING 1-35HD | 40.2818214 | -81.3246474 | 40.2995667 | -81.3426590 |
| 09/30/2014 | HARRISON | WASHINGTON | 34067213860100 | Permitted | CHEVRON APPALACHIA LLC | GOODING 9-35HD | 40.2819506 | -81.3243942 | 40.2665863 | -81.3172792 |
| 09/16/2014 | HARRISON | STOCK | 34067213870000 | Permitted | ECLIPSE RESOURCES I LP | JOHN MILLS 6H | 40.3142239 | -81.0867520 | 40.3334756 | -81.0926649 |
| 09/16/2014 | HARRISON | STOCK | 34067213880000 | Permitted | ECLIPSE RESOURCES I LP | JOHN MILLS WEST 5H | 40.3143155 | -81.0868325 | 40.3336271 | -81.1000584 |
| 09/16/2014 | HARRISON | STOCK | 34067213890000 | Permitted | ECLIPSE RESOURCES I LP | JOHN MILLS 4H | 40.3142710 | -81.0867904 | 40.3335455 | -81.0961035 |
| 11/19/2014 | HARRISON | NORTH | 34067213900000 | Permitted | CHESAPEAKE EXPLORATION LLC | R ALAN 3-13-6 6H | 40.4169504 | -81.1019504 | 40.4017423 | -81.0912993 |
| 11/19/2014 | HARRISON | NORTH | 34067213910000 | Permitted | CHESAPEAKE EXPLORATION LLC | R ALAN 3-13-6 7H | 40.4169688 | -81.1018818 | 40.4026947 | -81.0890600 |
| 11/19/2014 | HARRISON | NORTH | 34067213920000 | Permitted | CHESAPEAKE EXPLORATION LLC | R ALAN 3-13-6 8H | 40.4169900 | -81.1018167 | 40.4034974 | -81.0867125 |
| 11/19/2014 | HARRISON | NORTH | 34067213930000 | Permitted | CHESAPEAKE EXPLORATION LLC | R ALAN 3-13-6 9H | 40.4170084 | -81.1017480 | 40.4044497 | -81.0844731 |
| 12/05/2014 | HARRISON | MOOREFIELD | 34067213940000 | Permitted | AMERICAN ENERGY UTICA LLC | RH CONOTTON MRF HR 8H | 40.2194522 | -81.1626569 | 40.2027476 | -81.1450403 |
| 12/05/2014 | HARRISON | MOOREFIELD | 34067213950000 | Permitted | AMERICAN ENERGY UTICA LLC | RH CONOTTON MRF HR 10H | 40.2194817 | -81.1625990 | 40.2037543 | -81.1426677 |
| 12/05/2014 | HARRISON | MOOREFIELD | 34067213960000 | Permitted | AMERICAN ENERGY UTICA LLC | RH CONOTTON MRF HR 6H | 40.2194199 | -81.1627148 | 40.2017409 | -81.1474128 |
| 12/05/2014 | HARRISON | MOOREFIELD | 34067213970000 | Permitted | AMERICAN ENERGY UTICA LLC | RH CONOTTON MRF HR 4H | 40.2193904 | -81.1627763 | 40.2007341 | -81.1497816 |
| 10/17/2014 | HARRISON | SHORT CREEK | 34067213980000 | Drilling | AMERICAN ENERGY UTICA LLC | CRAVAT COAL SHC HR 4H | 40.1678744 | -80.9325110 | 40.1506892 | -80.9214478 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 10/17/2014 | HARRISON | SHORT CREEK | 34067213990000 | Drilling | AMERICAN ENERGY UTICA LLC | CRAVAT COAL SHC HR 6H | 40.1678954 | -80.9324426 | 40.1519368 | -80.9185742 |
| 10/17/2014 | HARRISON | SHORT CREEK | 34067214000000 | Drilling | AMERICAN ENERGY UTICA LLC | CRAVAT COAL SHC HR 8H | 40.1679165 | -80.9323777 | 40.1531844 | -80.9157041 |
| 10/09/2014 | HARRISON | GERMAN | 34067214060000 | Drilled | CHESAPEAKE EXPLORATION LLC | MCBRIDE 20-11-4 8H | 40.4013710 | -80.9293842 | 40.3805440 | -80.9146610 |
| 12/15/2014 | HARRISON | NOTTINGHAM | 34067214090000 | Drilling | AMERICAN ENERGY UTICA LLC | RHF PETTAY S NTG HR 8H | 40.2388804 | -81.1748805 | 40.2215402 | -81.1586007 |
| 10/30/2014 | HARRISON | ATHENS | 34067214100000 | Permitted | HESS OHIO DEVELOPMENTS LLC | ATHENS E 3H-11 | 40.1801381 | -81.0280267 | 40.1975458 | -81.0410073 |
| 10/30/2014 | HARRISON | ATHENS | 34067214110000 | Permitted | HESS OHIO DEVELOPMENTS LLC | ATHENS E 2H-11 | 40.1801195 | -81.0280736 | 40.1964451 | -81.0435909 |
| 11/14/2014 | HARRISON | GERMAN | 34067214120000 | Drilling | CHESAPEAKE EXPLORATION LLC | DULKOSKI 24-10-4 8H | 40.3758689 | -80.9411662 | 40.3580407 | -80.9273899 |
| 12/02/2014 | HARRISON | NOTTINGHAM | 34067214130000 | Permitted | GULFPORT ENERGY CORPORATION | LUYSTER 210213 1B | 40.2317568 | -81.2037357 | 40.2166488 | -81.1887850 |
| 11/07/2014 | HARRISON | WASHINGTON | 34067214140100 | Permitted | CHEVRON APPALACHIA LLC | GOODING 6-35HD | 40.2818173 | -81.3245184 | 40.2672005 | -81.3283591 |
| 12/15/2014 | HARRISON | NOTTINGHAM | 34067214150000 | Drilling | AMERICAN ENERGY UTICA LLC | RHF PETTAY S NTG HR 2H | 40.2390297 | -81.1749670 | 40.2180185 | -81.1668108 |
| 12/15/2014 | HARRISON | NOTTINGHAM | 34067214160000 | Drilling | AMERICAN ENERGY UTICA LLC | RHF PETTAY S NTG HR 4H | 40.2389799 | -81.1749394 | 40.2191916 | -81.1640730 |
| 12/15/2014 | HARRISON | NOTTINGHAM | 34067214170000 | Permitted | AMERICAN ENERGY UTICA LLC | RHF PETTAY S NTG HR 6H | 40.2389302 | -81.1749081 | 40.2203673 | -81.1613386 |
| 12/15/2014 | HARRISON | NOTTINGHAM | 34067214180000 | Drilling | AMERICAN ENERGY UTICA LLC | RHF PETTAY S NTG HR 10H | 40.2388307 | -81.1748492 | 40.2227131 | -81.1558626 |
| 10/30/2014 | HARRISON | ATHENS | 34067214190000 | Permitted | HESS OHIO DEVELOPMENTS LLC | ATHENS E 5H-11 | 40.1801780 | -81.0279328 | 40.1997443 | -81.0358435 |
| 10/30/2014 | HARRISON | ATHENS | 34067214200000 | Permitted | HESS OHIO DEVELOPMENTS LLC | ATHENS E 1H-11 | 40.1800981 | -81.0281206 | 40.1953470 | -81.0461708 |
| 10/30/2014 | HARRISON | ATHENS | 34067214240000 | Permitted | HESS OHIO DEVELOPMENTS LLC | ATHENS E 4H-11 | 40.1801594 | -81.0279797 | 40.1986437 | -81.0384273 |
| 12/02/2014 | HARRISON | NOTTINGHAM | 34067214260000 | Permitted | GULFPORT ENERGY CORPORATION | LUYSTER 210213 2C | 40.2317271 | -81.2037756 | 40.2210110 | -81.1878400 |
| 12/02/2014 | HARRISON | NOTTINGHAM | 34067214270000 | Permitted | GULFPORT ENERGY CORPORATION | LUYSTER 210213 3A | 40.2317000 | -81.2038120 | 40.2153341 | -81.1919117 |
| 12/10/2014 | HARRISON | MOOREFIELD | 34067214280000 | Drilling | GULFPORT ENERGY CORPORATION | MGMT 210077 2B | 40.1867743 | -81.1476796 | 40.1692279 | -81.1371992 |
| 12/10/2014 | HARRISON | MOOREFIELD | 34067214290000 | Permitted | GULFPORT ENERGY CORPORATION | MGMT 210077 1A | 40.1867361 | -81.1476947 | 40.1665862 | -81.1396539 |
| 12/10/2014 | HARRISON | MOOREFIELD | 34067214300000 | Drilling | GULFPORT ENERGY CORPORATION | MGMT 210077 3C | 40.1868125 | -81.1476610 | 40.1717339 | -81.1346432 |
| 12/18/2014 | HARRISON | NORTH | 34067214310000 | Permitted | CHESAPEAKE EXPLORATION LLC | KLODT 29-11-5 201H | 40.3668271 | -81.0784201 | 40.3888263 | -81.0975820 |
| 12/18/2014 | HARRISON | NORTH | 34067214320000 | Permitted | CHESAPEAKE EXPLORATION LLC | KLODT 29-11-5 206H | 40.3668611 | -81.0785091 | 40.3475000 | -81.0676591 |
| 12/31/2014 | HARRISON | NORTH | 34067214330000 | Permitted | CHESAPEAKE EXPLORATION LLC | WILLIAM DENOON 17-12-6 1H | 40.3708756 | -81.1425547 | 40.3865929 | -81.1635305 |
| 01/02/2015 | HARRISON | NORTH | 34067214340000 | Permitted | CHESAPEAKE EXPLORATION LLC | WILLIAM DENOON 17-12-6 3H | 40.3707686 | -81.1425640 | 40.3884835 | -81.1587788 |
| 01/02/2015 | HARRISON | NORTH | 34067214350000 | Permitted | CHESAPEAKE EXPLORATION LLC | WILLIAM DENOON 17-12-6 4H | 40.3707138 | -81.1425687 | 40.3896932 | -81.1565968 |
| 01/02/2015 | HARRISON | NORTH | 34067214360000 | Permitted | CHESAPEAKE EXPLORATION LLC | WILLIAM DENOON 17-12-6 2H | 40.3708235 | -81.1425593 | 40.3874815 | -81.1611145 |
| 08/01/2012 | HOLMES | PRAIRIE | 34075255890100 | Permitted | DEVON ENERGY PRODUCTION CO | CRILOW FARMS 1H | 40.6101700 | -81.8795075 | 40.6227085 | -81.8844698 |
| 09/11/2012 | HOLMES | SALT CREEK | 34075255900100 | Permitted | DEVON ENERGY PRODUCTION CO | MILLER JOHN 1H | 40.6536716 | -81.8428981 | 40.6699222 | -81.8486819 |
| 10/29/2012 | HOLMES | WALNUT CREEK | 34075255910000 | Permitted | DEVON ENERGY PRODUCTION CO | FEDERRIDGE FARM 1H | 40.5735099 | -81.6824747 | 40.5621823 | -81.6719676 |
| 09/28/2010 | JEFFERSON | WAYNE | 34081205030000 | Producing | AMERICAN ENERGY UTICA LLC | NAC GAS UNIT B 3H-3 | 40.3182887 | -80.7751319 | 40.3309908 | -80.7826920 |
| 06/17/2011 | JEFFERSON | WAYNE | 34081205040000 | Permitted | CNX GAS COMPANY LLC | FRIENDSHIP PARK JEFF2AHSU | 40.3019900 | -80.8048301 | 40.2919293 | -80.7981088 |
| 06/30/2011 | JEFFERSON | SALINE | 34081205050100 | Permitted | ENERVEST OPERATING L | KESSLER UNIT 1-H | 40.5613774 | -80.7406708 | 40.5752531 | -80.7506910 |
| 07/22/2011 | JEFFERSON | BRUSH CREEK | 34081205070100 | Producing | CHESAPEAKE EXPLORATION LLC | BROWN 36-11-3 10H | 40.5474344 | -80.8569856 | 40.5365632 | -80.8448544 |
| 10/17/2011 | JEFFERSON | ROSS | 34081205080100 | Drilled | CHESAPEAKE EXPLORATION LLC | ASUNCION WEST 15-11-3 3H | 40.5078899 | -80.7926159 | 40.5235015 | -80.8039220 |
| 10/17/2011 | JEFFERSON | ROSS | 34081205090000 | Drilled | CHESAPEAKE EXPLORATION LLC | ASUNCION WEST 15-11-3 1H | 40.5078550 | -80.7926672 | 40.5219123 | -80.8072866 |
| 10/24/2011 | JEFFERSON | SALEM | 34081205100000 | Drilled | CHESAPEAKE EXPLORATION LLC | DENOON 5-10-3 5H | 40.4414988 | -80.7611339 | 40.4572718 | -80.7681943 |
| 10/30/2014 | JEFFERSON | WAYNE | 34081205110100 | Permitted | CHESAPEAKE EXPLORATION LLC | PELEGREEN FARMS 33-9-3 6H | 40.3306327 | -80.8591840 | 40.3105217 | -80.8486761 |
| 11/25/2011 | JEFFERSON | SPRINGFIELD | 34081205120100 | Drilled | CHESAPEAKE EXPLORATION LLC | VAHALIK 18-11-4 8H | 40.4661381 | -80.9092198 | 40.4518726 | -80.8987759 |
| 12/14/2011 | JEFFERSON | SALEM | 34081205130100 | Producing | CHESAPEAKE APPALACHIA LLC | DENOON 5-10-3 3H | 40.4414446 | -80.7611820 | 40.4557681 | -80.7715111 |
| 03/28/2012 | JEFFERSON | SPRINGFIELD | 34081205140000 | Producing | CHESAPEAKE EXPLORATION LLC | CAIN 16-12-4 3H | 40.5206895 | -80.9169597 | 40.5328051 | -80.9257169 |
| 11/14/2011 | JEFFERSON | ROSS | 34081205150000 | Drilled | CHESAPEAKE EXPLORATION LLC | ASUNCION WEST 15-11-3 6H | 40.5078173 | -80.7927221 | 40.4966496 | -80.7891030 |
| 11/14/2011 | JEFFERSON | ROSS | 34081205160000 | Permitted | CHESAPEAKE EXPLORATION LLC | ASUNCION WEST 15-11-3 8H | 40.5077594 | -80.7927020 | 40.4933988 | -80.7821456 |
| 11/25/2011 | JEFFERSON | SPRINGFIELD | 34081205170000 | Producing | CHESAPEAKE EXPLORATION LLC | VAHALIK 18-11-4 6H | 40.4661882 | -80.9092690 | 40.4504137 | -80.9022285 |
| 12/28/2011 | JEFFERSON | SALEM | 34081205180100 | Drilled | CHESAPEAKE EXPLORATION LLC | DAILEY 28-10-3 3H | 40.4263645 | -80.8456190 | 40.4377879 | -80.8543357 |
| 02/02/2012 | JEFFERSON | SALEM | 34081205190000 | Drilled | CHESAPEAKE EXPLORATION LLC | KIRK 22-10-3 8H | 40.4364968 | -80.8142170 | 40.4181981 | -80.8003157 |
| 01/25/2012 | JEFFERSON | SPRINGFIELD | 34081205200000 | Producing | CHESAPEAKE EXPLORATION LLC | CAIN SOUTH 16-12-4 8H | 40.5205445 | -80.9169955 | 40.5062073 | -80.9064712 |
| 02/10/2012 | JEFFERSON | SALEM | 34081205210000 | Drilled | CHESAPEAKE EXPLORATION LLC | DAILEY 28-10-3 5H | 40.4262622 | -80.8455712 | 40.4381249 | -80.8499116 |
| 03/15/2012 | JEFFERSON | SPRINGFIELD | 34081205250000 | Permitted | CHESAPEAKE EXPLORATION LLC | CAIN 16-12-4 5H | 40.5206344 | -80.9169466 | 40.5366831 | -80.9240347 |
| 06/27/2012 | JEFFERSON | SALEM | 34081205260000 | Drilled | CHESAPEAKE EXPLORATION LLC | KIRK WEST 22-10-3 6H | 40.4364980 | -80.8142996 | 40.4167322 | -80.8036504 |
| 03/20/2012 | JEFFERSON | SPRINGFIELD | 34081205270000 | Permitted | CHESAPEAKE EXPLORATION LLC | VAHALIK 18-11-4 10H | 40.4661871 | -80.9091899 | 40.4533367 | -80.8953159 |
| 04/30/2012 | JEFFERSON | CROSS CREEK | 34081205280100 | Producing | AMERICAN ENERGY UTICA LLC | NAC 3H-20 | 40.3095144 | -80.7065299 | 40.3235122 | -80.7146476 |
| 05/03/2012 | JEFFERSON | ROSS | 34081205300000 | Permitted | CHESAPEAKE EXPLORATION LLC | MCLAIN 16-11-3 3H | 40.5252408 | -80.8027228 | 40.5397083 | -80.8130376 |
| 05/15/2012 | JEFFERSON | ISLAND CREEK | 34081205310100 | Drilled | CHESAPEAKE EXPLORATION LLC | MAPLE 31-7-2 3H | 40.3904077 | -80.7517666 | 40.4047704 | -80.7620775 |
| 06/07/2012 | JEFFERSON | BRUSH CREEK | 34081205320000 | Permitted | CHESAPEAKE EXPLORATION LLC | BROWN 36-11-3 8H | 40.5473552 | -80.8568220 | 40.5301917 | -80.8447070 |
| 06/28/2012 | JEFFERSON | ROSS | 34081205330000 | Permitted | CHESAPEAKE EXPLORATION LLC | MCLAIN 16-11-3 1H | 40.5251891 | -80.8027529 | 40.5383157 | -80.8163439 |
| 07/16/2012 | JEFFERSON | WELLS | 34081205350100 | Producing | CHESAPEAKE APPALACHIA LLC | ZIMNOX 17-5-2 3H | 40.2647600 | -80.6857414 | 40.2775594 | -80.6969644 |
| 08/23/2012 | JEFFERSON | WARREN | 34081205360100 | Drilled | CHESAPEAKE EXPLORATION LLC | CREAMER 25-5-2 3H | 40.2055792 | -80.7265511 | 40.2199935 | -80.7368303 |
| 08/23/2012 | JEFFERSON | SPRINGFIELD | 34081205370000 | Permitted | CHESAPEAKE EXPLORATION LLC | BOOTH 23-11-4 3H | 40.4444497 | -80.9336508 | 40.4591644 | -80.9432459 |
| 10/01/2012 | JEFFERSON | SPRINGFIELD | 34081205380000 | Drilled | CHESAPEAKE EXPLORATION LLC | MCCOY 17-11-4 3H | 40.4450065 | -80.9210576 | 40.4597174 | -80.9316924 |
| 10/01/2012 | JEFFERSON | CROSS CREEK | 34081205390000 | Producing | AMERICAN ENERGY UTICA LLC | NAC 4H-20 | 40.3095486 | -80.7064322 | 40.3251002 | -80.7112190 |
| 10/02/2012 | JEFFERSON | SPRINGFIELD | 34081205400000 | Permitted | CHESAPEAKE EXPLORATION LLC | MCCOY 17-11-4 10H | 40.4449070 | -80.9210097 | 40.4316314 | -80.9070617 |
| 01/02/2013 | JEFFERSON | SPRINGFIELD | 34081205410000 | Producing | CHESAPEAKE EXPLORATION LLC | BOOTH 23-11-4 6H | 40.4443805 | -80.9336093 | 40.4251943 | -80.9237290 |
| 01/30/2013 | JEFFERSON | BRUSH CREEK | 34081205420000 | Producing | CHESAPEAKE EXPLORATION LLC | BROWN 36-11-3 3H | 40.5474442 | -80.8569062 | 40.5617756 | -80.8676606 |
| 05/08/2013 | JEFFERSON | SMITHFIELD | 34081205430000 | Producing | AMERICAN ENERGY UTICA LLC | SMITHFIELD A 1H-27 | 40.2362097 | -80.8413634 | 40.2205116 | -80.8172605 |
| 06/05/2013 | JEFFERSON | SPRINGFIELD | 34081205440000 | Producing | CHESAPEAKE EXPLORATION LLC | CIACCI 22-11-4 1H | 40.4353161 | -80.9384785 | 40.4218510 | -80.9259561 |
| 06/05/2013 | JEFFERSON | SPRINGFIELD | 34081205450000 | Producing | CHESAPEAKE EXPLORATION LLC | CIACCI 22-11-4 6H | 40.4352760 | -80.9383501 | 40.4218939 | -80.9260844 |
| 11/19/2013 | JEFFERSON | CROSS CREEK | 34081205460000 | Drilled | AMERICAN ENERGY UTICA LLC | CROSS CREEK A 5H-20 | 40.3094882 | -80.7066060 | 40.3226653 | -80.7184257 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 05/07/2014 | JEFFERSON | ISLAND CREEK | 34081205480000 | Permitted | CHESAPEAKE EXPLORATION LLC | SCHIAPPA TRUST B 20-7-2 5H | 40.4063847 | -80.6992371 | 40.4264362 | -80.7087218 |
| 03/10/2014 | JEFFERSON | ISLAND CREEK | 34081205490000 | Drilled | CHESAPEAKE EXPLORATION LLC | SCHIAPPA TRUST B 20-7-2 3H | 40.4063665 | -80.6993022 | 40.4249695 | -80.7121848 |
| 07/14/2014 | JEFFERSON | SALEM | 34081205500000 | Permitted | CHESAPEAKE EXPLORATION LLC | KEYSTONE TRUST 34-10-3 3H | 40.4303199 | -80.8605951 | 40.4458513 | -80.8723370 |
| 07/09/2014 | JEFFERSON | SALEM | 34081205510000 | Drilled | CHESAPEAKE EXPLORATION LLC | CRAWFORD 28-10-3 6H | 40.4362875 | -80.8411510 | 40.4132848 | -80.8269474 |
| 06/06/2014 | JEFFERSON | SALEM | 34081205530000 | Drilled | CHESAPEAKE EXPLORATION LLC | KEYSTONE TRUST 34-10-3 10H | 40.4302230 | -80.8605364 | 40.4085874 | -80.8412441 |
| 08/21/2014 | JEFFERSON | SALEM | 34081205540000 | Drilled | CHESAPEAKE EXPLORATION LLC | KEYSTONE TRUST 34-10-3 1H | 40.4302680 | -80.8606143 | 40.4438479 | -80.8754725 |
| 10/24/2014 | JEFFERSON | WAYNE | 34081205590000 | Drilling | AMERICAN ENERGY UTICA LLC | NAC B WYN JF 3H | 40.3183101 | -80.7752748 | 40.3305108 | -80.7913029 |
| 10/24/2014 | JEFFERSON | WAYNE | 34081205600000 | Drilling | AMERICAN ENERGY UTICA LLC | NAC B WYN JF 5H | 40.3182629 | -80.7752402 | 40.3317038 | -80.7884743 |
| 10/24/2014 | JEFFERSON | WAYNE | 34081205610000 | Drilling | AMERICAN ENERGY UTICA LLC | NAC B WYN JF 1H | 40.3183572 | -80.7753095 | 40.3293204 | -80.7941278 |
| 01/23/2015 | JEFFERSON | SMITHFIELD | 34081205640000 | Drilling | AMERICAN ENERGY UTICA LLC | SMITHFIELD N SMF JR 5H | 40.2361651 | -80.8415042 | 40.2576852 | -80.8567579 |
| 11/25/2014 | JEFFERSON | SMITHFIELD | 34081205650000 | Drilling | AMERICAN ENERGY UTICA LLC | SMITHFIELD A 2H | 40.2361200 | -80.8414230 | 40.2102958 | -80.8204073 |
| 01/23/2015 | JEFFERSON | SMITHFIELD | 34081205660000 | Drilling | AMERICAN ENERGY UTICA LLC | SMITHFIELD N SMF JR 7H | 40.2361916 | -80.8414427 | 40.2590398 | -80.8536071 |
| 01/23/2015 | JEFFERSON | SMITHFIELD | 34081205670000 | Permitted | AMERICAN ENERGY UTICA LLC | SMITHFIELD N SMF JF 3H | 40.2361330 | -80.8415623 | 40.2563278 | -80.8599122 |
| 11/25/2014 | JEFFERSON | SMITHFIELD | 34081205680000 | Permitted | AMERICAN ENERGY UTICA LLC | SMITHFIELD S SMF JF 4H | 40.2360879 | -80.8414847 | 40.2140552 | -80.8275499 |
| 02/02/2012 | KNOX | MORGAN | 34083245540100 | Drilled | DEVON ENERGY PRODUCTION CO | SENSIBAUGH 1H | 40.2460243 | -82.4643842 | 40.2577310 | -82.4631993 |
| 02/14/2012 | KNOX | MORGAN | 34083245550000 | Permitted | DEVON ENERGY PRODUCTION CO | HARSTINE TRUST 1H | 40.2627267 | -82.4164326 | 40.2726633 | -82.4163413 |
| 11/21/2013 | MAHONING | MILTON | 34099231350100 | Producing | CHESAPEAKE EXPLORATION LLC | GEATCHES MAH 3H | 41.1212229 | -80.9272477 | 41.1223966 | -80.9358342 |
| 08/04/2011 | MAHONING | GOSHEN | 34099231590100 | Permitted | CHESAPEAKE EXPLORATION LLC | JARVIS 4-17-4 8H | 40.9774213 | -80.9290650 | 40.9631590 | -80.9182028 |
| 08/26/2011 | MAHONING | GOSHEN | 34099231640100 | Permitted | CHESAPEAKE EXPLORATION LLC | HUTCHESON 9-17-4 3H | 40.9671870 | -80.9335021 | 40.9790707 | -80.9425551 |
| 05/17/2012 | MAHONING | GOSHEN | 34099231650000 | Permitted | CHESAPEAKE EXPLORATION LLC | K MARTIG 6-17-4 8H | 40.9825114 | -80.9585253 | 40.9681055 | -80.9479961 |
| 11/08/2011 | MAHONING | GOSHEN | 34099231700100 | Permitted | CHESAPEAKE EXPLORATION LLC | JARVIS 4-17-4 3H | 40.9775604 | -80.9289929 | 40.9917603 | -80.9399881 |
| 11/14/2011 | MAHONING | ELLSWORTH | 34099231720100 | Producing | CNX GAS COMPANY LLC | HENDRICKS MAHN2AHSU | 40.9934928 | -80.8243909 | 41.0012032 | -80.8288408 |
| 11/14/2011 | MAHONING | GOSHEN | 34099231730000 | Permitted | CHESAPEAKE EXPLORATION LLC | JARVIS 4-17-4 6H | 40.9774762 | -80.9290637 | 40.9617691 | -80.9217416 |
| 05/24/2012 | MAHONING | GREEN | 34099231740100 | Permitted | CHESAPEAKE EXPLORATION LLC | MAHAR 7-16-3 3H | 40.9636664 | -80.8467095 | 40.9792338 | -80.8575386 |
| 01/17/2012 | MAHONING | GOSHEN | 34099231750000 | Permitted | CHESAPEAKE EXPLORATION LLC | JEMS FARMS 7-17-4 8H | 40.9661205 | -80.9684684 | 40.9565881 | -80.9612082 |
| 02/14/2012 | MAHONING | GOSHEN | 34099231760000 | Permitted | CHESAPEAKE EXPLORATION LLC | JARVIS 4-17-4 5H | 40.9775055 | -80.9289942 | 40.9942742 | -80.9373056 |
| 06/20/2012 | MAHONING | GREEN | 34099231800100 | Permitted | CHESAPEAKE EXPLORATION LLC | MAHAR 7-16-3 1H | 40.9636143 | -80.8467181 | 40.9719798 | -80.8574834 |
| 06/29/2012 | MAHONING | BEAVER | 34099231810100 | Permitted | CHESAPEAKE EXPLORATION LLC | FALB 30-13-2 8H | 40.9170487 | -80.7407951 | 40.9026227 | -80.7303238 |
| 09/17/2012 | MAHONING | JACKSON | 34099231820100 | Producing | CNX GAS COMPANY LLC | CADLE MAHN7AHSU | 41.0743117 | -80.8825715 | 41.0894443 | -80.8918375 |
| 08/29/2012 | MAHONING | JACKSON | 34099231840000 | Producing | CNX GAS COMPANY LLC | CADLE MAHN7CHSU | 41.0743128 | -80.8826440 | 41.0869129 | -80.8949687 |
| 12/14/2012 | MAHONING | POLAND | 34099231850100 | Drilled | HILCORP ENERGY COMPANY | POLAND-CLL1 1H | 41.0127225 | -80.5432621 | 40.9891783 | -80.5290245 |
| 01/18/2013 | MAHONING | POLAND | 34099231850200 | Producing | HILCORP ENERGY COMPANY | POLAND-CLL1 1AH | 41.0127252 | -80.5432620 | 40.9888387 | -80.5277883 |
| 04/04/2013 | MAHONING | JACKSON | 34099231880000 | Producing | HALCON OPERATING COMPANY INC | DAVIDSON 1H | 41.1120575 | -80.8972061 | 41.1256859 | -80.9044115 |
| 05/09/2013 | MAHONING | POLAND | 34099231890000 | Permitted | HILCORP ENERGY COMPANY | POLAND-CLL1 2H | 41.0127225 | -80.5432621 | 40.9891426 | -80.5251813 |
| 05/09/2013 | MAHONING | POLAND | 34099231900000 | Permitted | HILCORP ENERGY COMPANY | POLAND-CLL1 3H | 41.0127271 | -80.5433707 | 40.9868603 | -80.5212968 |
| 06/17/2013 | MAHONING | POLAND | 34099231920000 | Producing | HILCORP ENERGY COMPANY | POLAND-CLL2 6H | 41.0136407 | -80.5365621 | 40.9906053 | -80.5213042 |
| 07/02/2013 | MAHONING | POLAND | 34099231930000 | Permitted | HILCORP ENERGY COMPANY | POLAND-CLL1 5H | 41.0127263 | -80.5434831 | 41.0222472 | -80.5504148 |
| 07/02/2013 | MAHONING | POLAND | 34099231940000 | Permitted | HILCORP ENERGY COMPANY | POLAND-CLL1 4H | 41.0127253 | -80.5434251 | 41.0222614 | -80.5473657 |
| 07/02/2013 | MAHONING | POLAND | 34099231950000 | Permitted | HILCORP ENERGY COMPANY | POLAND-CLL1 6H | 41.0127299 | -80.5435337 | 41.0218760 | -80.5533003 |
| 07/17/2013 | MAHONING | POLAND | 34099231960000 | Producing | HILCORP ENERGY COMPANY | POLAND-CLL2 5H | 41.0136399 | -80.5365114 | 40.9868987 | -80.5212992 |
| 07/17/2013 | MAHONING | POLAND | 34099231970000 | Producing | HILCORP ENERGY COMPANY | POLAND-CLL2 2H | 41.0136370 | -80.5363448 | 41.0017357 | -80.5213042 |
| 07/17/2013 | MAHONING | POLAND | 34099231980000 | Producing | HILCORP ENERGY COMPANY | POLAND-CLL2 4H | 41.0136334 | -80.5362941 | 40.9946102 | -80.5212531 |
| 07/17/2013 | MAHONING | POLAND | 34099231990000 | Producing | HILCORP ENERGY COMPANY | POLAND-CLL2 1H | 41.0136362 | -80.5361382 | 41.0054339 | -80.5213022 |
| 07/17/2013 | MAHONING | POLAND | 34099232000000 | Producing | HILCORP ENERGY COMPANY | POLAND-CLL2 3H | 41.0136380 | -80.5364027 | 40.9980155 | -80.5213069 |
| 10/04/2013 | MAHONING | JACKSON | 34099232010100 | Producing | HALCON OPERATING COMPANY INC | GRENAMYER 1H | 41.0906301 | -80.8317572 | 41.0702496 | -80.8300959 |
| 10/24/2013 | MAHONING | JACKSON | 34099232020000 | Permitted | HALCON OPERATING COMPANY INC | GRENAMYER 2H | 41.0905176 | -80.8317637 | 41.0699045 | -80.8276852 |
| 11/02/2011 | MEDINA | HARRISVILLE | 34103250370100 | Drilled | DEVON ENERGY PRODUCTION CO | RICHMAN FARMS 1H | 41.0604449 | -82.0375793 | 41.0471384 | -82.0363492 |
| 09/14/2011 | MONROE | WASHINGTON | 34111243020100 | Drilled | HG ENERGY LLC | WHITACRE ENTERPRISES INC 701 S-5H | 39.6606971 | -81.2004257 | 39.6687159 | -81.2151942 |
| 12/14/2011 | MONROE | WASHINGTON | 34111243020200 | Drilled | HG ENERGY LLC | WHITACRE ENTERPRISES INC 701 N-5H | 39.6606943 | -81.2004258 | 39.6687158 | -81.2151800 |
| 01/06/2012 | MONROE | WASHINGTON | 34111243020300 | Producing | HG ENERGY LLC | WHITACRE ENTERPRISES INC 701 N-2H | 39.6606971 | -81.2004257 | 39.6661090 | -81.2110928 |
| 04/05/2012 | MONROE | WASHINGTON | 34111243120000 | Producing | HG ENERGY LLC | WHITACRE ENTERPRISES INC 701 S-4H | 39.6606263 | -81.2004874 | 39.6465900 | -81.1820994 |
| 12/14/2011 | MONROE | WASHINGTON | 34111243130000 | Producing | HG ENERGY LLC | WHITACRE ENTERPRISES INC 701 S-6H | 39.6607650 | -81.2003641 | 39.6546397 | -81.1817769 |
| 03/23/2012 | MONROE | WASHINGTON | 34111243200000 | Drilling | HG ENERGY LLC | WHITACRE ENTERPRISES INC 702 N-3H | 39.6764306 | -81.2009641 | 39.6840337 | -81.2161381 |
| 03/23/2012 | MONROE | WASHINGTON | 34111243210000 | Producing | HG ENERGY LLC | WHITACRE ENTERPRISES INC 701 N-1H | 39.6606318 | -81.2004838 | 39.6630756 | -81.2183886 |
| 03/23/2012 | MONROE | WASHINGTON | 34111243220000 | Producing | HG ENERGY LLC | WHITACRE ENTERPRISES INC 701 N-3H | 39.6607622 | -81.2003606 | 39.6730361 | -81.2150507 |
| 04/05/2012 | MONROE | WASHINGTON | 34111243240000 | Drilling | HG ENERGY LLC | WHITACRE ENTERPRISES INC 702 S-6H | 39.6763783 | -81.2007057 | 39.6654561 | -81.1828373 |
| 04/05/2012 | MONROE | WASHINGTON | 34111243250000 | Producing | HG ENERGY LLC | WHITACRE ENTERPRISES INC 702 S-5H | 39.6763871 | -81.2007589 | 39.6632308 | -81.1849184 |
| 04/05/2012 | MONROE | WASHINGTON | 34111243260000 | Producing | HG ENERGY LLC | WHITACRE ENTERPRISES INC 702 S-4H | 39.6763959 | -81.2008084 | 39.6610054 | -81.1869958 |
| 04/05/2012 | MONROE | WASHINGTON | 34111243270000 | Drilled | HG ENERGY LLC | WHITACRE ENTERPRISES INC 701 N-7H | 39.6605965 | -81.2005164 | 39.6647497 | -81.2153169 |
| 04/05/2012 | MONROE | WASHINGTON | 34111243280000 | Drilling | HG ENERGY LLC | WHITACRE ENTERPRISES INC 702 N-1H | 39.6764102 | -81.2008615 | 39.6765933 | -81.2149390 |
| 04/05/2012 | MONROE | WASHINGTON | 34111243290000 | Producing | HG ENERGY LLC | WHITACRE ENTERPRISES INC 702 N-2H | 39.6764190 | -81.2009110 | 39.6823484 | -81.2191966 |
| 04/05/2012 | MONROE | WASHINGTON | 34111243300000 | Producing | HG ENERGY LLC | WHITACRE ENTERPRISES INC 701 S-5H-A | 39.6607324 | -81.2003931 | 39.6501409 | -81.1819080 |
| 05/15/2012 | MONROE | SENECA | 34111243310100 | Producing | ANTERO RESOURCES CORPORATION | ET RUBEL UNIT 1H | 39.8328908 | -81.3020487 | 39.8502817 | -81.3131653 |
| 09/17/2012 | MONROE | FRANKLIN | 34111243530100 | Producing | HALL DRILLING LLC (OIL & GAS) | WOLF PEN 3H | 39.7073995 | -81.2500708 | 39.7176285 | -81.2594864 |
| 09/26/2014 | MONROE | WASHINGTON | 34111243550000 | Drilled | AMERICAN ENERGY UTICA LLC | GARY GREEN N WSH MN 1H | 39.6762721 | -81.1887409 | 39.6867087 | -81.2144506 |
| 12/21/2012 | MONROE | GREEN | 34111243610100 | Producing | ECLIPSE RESOURCES I LP | TIPPENS UNIT 6HS | 39.6770537 | -81.0260224 | 39.6635381 | -81.0112415 |
| 05/07/2014 | MONROE | SENECA | 34111243620000 | Producing | ANTERO RESOURCES CORPORATION | YONTZ UNIT 1H | 39.8181835 | -81.3042564 | 39.8050342 | -81.2929526 |
| 05/07/2014 | MONROE | SENECA | 34111243630000 | Producing | ANTERO RESOURCES CORPORATION | NORMAN UNIT 1H | 39.8182168 | -81.3042914 | 39.8027560 | -81.2956759 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 12/14/2012 | MONROE | SWITZERLAND | 34111243650100 | Producing | XTO ENERGY INC. | MONROE NORTH UNIT 2H | 39.8226549 | -80.8505975 | 39.8369587 | -80.8659506 |
| 02/25/2013 | MONROE | SENECA | 34111243690000 | Producing | ANTERO RESOURCES CORPORATION | ET RUBEL UNIT 2H | 39.8328589 | -81.3021490 | 39.8491878 | -81.3165677 |
| 02/25/2013 | MONROE | SENECA | 34111243700000 | Producing | ANTERO RESOURCES CORPORATION | ET RUBEL UNIT 3H | 39.8328749 | -81.3020989 | 39.8514298 | -81.3096871 |
| 03/08/2013 | MONROE | CENTER | 34111243710100 | Permitted | XTO ENERGY INC. | MONROE BECK B UNIT 1H | 39.7803264 | -81.1303353 | 39.7689759 | -81.1165796 |
| 09/26/2013 | MONROE | LEE | 34111243730000 | Permitted | TRIAD HUNTER LLC | STALDER UNIT A 1 UH | 39.6417883 | -80.9274359 | 39.6500588 | -80.9465152 |
| 05/07/2014 | MONROE | SENECA | 34111243740000 | Producing | ANTERO RESOURCES CORPORATION | GARY UNIT 2H | 39.8182446 | -81.3043265 | 39.8418135 | -81.3165898 |
| 03/10/2014 | MONROE | SENECA | 34111243750000 | Producing | ANTERO RESOURCES CORPORATION | GARY UNIT 1H | 39.8182751 | -81.3043616 | 39.8393408 | -81.3185977 |
| 09/26/2013 | MONROE | LEE | 34111243830000 | Permitted | TRIAD HUNTER LLC | STALDER UNIT A 2 UH | 39.6418372 | -80.9274029 | 39.6519997 | -80.9440034 |
| 09/26/2013 | MONROE | LEE | 34111243840000 | Permitted | TRIAD HUNTER LLC | STALDER UNIT A 4 UH | 39.6419380 | -80.9273402 | 39.6558812 | -80.9389828 |
| 06/17/2013 | MONROE | LEE | 34111243850100 | Producing | TRIAD HUNTER LLC | STADLER UNIT A 3 UH | 39.6418863 | -80.9273734 | 39.6539405 | -80.9414949 |
| 04/23/2014 | MONROE | LEE | 34111243860000 | Drilling | TRIAD HUNTER LLC | STADLER UNIT C 6UH | 39.6417889 | -80.9272761 | 39.6283694 | -80.9118340 |
| 04/23/2014 | MONROE | LEE | 34111243870000 | Drilling | TRIAD HUNTER LLC | STADLER UNIT C 5UH | 39.6417399 | -80.9273092 | 39.6264292 | -80.9143459 |
| 04/23/2014 | MONROE | LEE | 34111243880000 | Drilling | TRIAD HUNTER LLC | STALDER UNIT C 8UH | 39.6418869 | -80.9272135 | 39.6322495 | -80.9068098 |
| 04/23/2014 | MONROE | LEE | 34111243890000 | Drilling | TRIAD HUNTER LLC | STADLER UNIT C 7UH | 39.6418379 | -80.9272466 | 39.6303095 | -80.9093220 |
| 09/05/2013 | MONROE | LEE | 34111244010100 | Producing | ECLIPSE RESOURCES I LP | HERRICK UNIT A 3 | 39.6456339 | -80.9663610 | 39.6571692 | -80.9840216 |
| 07/03/2013 | MONROE | LEE | 34111244030000 | Producing | ECLIPSE RESOURCES I LP | HERRICK UNIT B 5H | 39.6456615 | -80.9663675 | 39.6599355 | -80.9832759 |
| 07/03/2013 | MONROE | LEE | 34111244040000 | Producing | ECLIPSE RESOURCES I LP | HERRICK UNIT C 8H | 39.6456816 | -80.9662250 | 39.6360462 | -80.9446217 |
| 08/27/2013 | MONROE | BETHEL | 34111244050000 | Producing | HALL DRILLING LLC (OIL & GAS) | HERCHER SOUTH 1H | 39.6746931 | -81.2457429 | 39.6554506 | -81.2337384 |
| 07/03/2013 | MONROE | LEE | 34111244060000 | Permitted | ECLIPSE RESOURCES I LP | HERRICK UNIT C 6H | 39.6456540 | -80.9662185 | 39.6349211 | -80.9481837 |
| 07/03/2013 | MONROE | LEE | 34111244070000 | Permitted | ECLIPSE RESOURCES I LP | HERRICK UNIT B 7H | 39.6456514 | -80.9664352 | 39.6610616 | -80.9797096 |
| 07/03/2013 | MONROE | LEE | 34111244080000 | Permitted | ECLIPSE RESOURCES I LP | HERRICK UNIT A 1H | 39.6456266 | -80.9664287 | 39.6552367 | -80.9872427 |
| 09/10/2013 | MONROE | BETHEL | 34111244090000 | Producing | HALL DRILLING LLC (OIL & GAS) | HERCHER NORTH 1H | 39.6747294 | -81.2457991 | 39.6960846 | -81.2666187 |
| 08/27/2013 | MONROE | BETHEL | 34111244110000 | Producing | HALL DRILLING LLC (OIL & GAS) | HERCHER SOUTH 2H | 39.6747126 | -81.2457710 | 39.6591197 | -81.2333024 |
| 05/23/2014 | MONROE | SENECA | 34111244120000 | Producing | ANTERO RESOURCES CORPORATION | NORMAN UNIT 2H | 39.8181529 | -81.3042213 | 39.8052515 | -81.2892646 |
| 03/10/2014 | MONROE | SENECA | 34111244130000 | Producing | ANTERO RESOURCES CORPORATION | GARY UNIT 3H | 39.8183057 | -81.3043967 | 39.8374793 | -81.3210545 |
| 09/10/2013 | MONROE | BETHEL | 34111244140100 | Producing | HALL DRILLING LLC (OIL & GAS) | HERCHER NORTH 2HA | 39.6747683 | -81.2458481 | 39.6972230 | -81.2641853 |
| 09/13/2013 | MONROE | SALEM | 34111244150100 | Producing | ECLIPSE RESOURCES I LP | SHROYER UNIT 4H | 39.7984440 | -80.8786149 | 39.7803937 | -80.8660211 |
| 09/13/2013 | MONROE | SALEM | 34111244160000 | Producing | ECLIPSE RESOURCES I LP | SHROYER UNIT 2H | 39.7984843 | -80.8787492 | 39.7773877 | -80.8686253 |
| 09/16/2013 | MONROE | WASHINGTON | 34111244170000 | Drilled | HG ENERGY LLC | GARY GREEN 703-N-3H | 39.6763541 | -81.1887145 | 39.6836059 | -81.2007808 |
| 06/09/2014 | MONROE | SENECA | 34111244230000 | Drilled | ANTERO RESOURCES CORPORATION | DK CARPENTER UNIT 2 H | 39.8266453 | -81.2847835 | 39.8510827 | -81.3020312 |
| 06/11/2014 | MONROE | SENECA | 34111244240000 | Drilled | ANTERO RESOURCES CORPORATION | DK CARPENTER UNIT 1H | 39.8266812 | -81.2848113 | 39.8520510 | -81.3057119 |
| 06/16/2014 | MONROE | SENECA | 34111244260000 | Drilled | ANTERO RESOURCES CORPORATION | MCDOUGAL UNIT 1H | 39.8266120 | -81.2847520 | 39.8502329 | -81.2984127 |
| 11/07/2014 | MONROE | WASHINGTON | 34111244270000 | Drilling | AMERICAN ENERGY UTICA LLC | GARY GREEN S WSH MN 6H (703S-8H) | 39.6762338 | -81.1887558 | 39.6695238 | -81.1715480 |
| 09/26/2014 | MONROE | WASHINGTON | 34111244280000 | Drilling | AMERICAN ENERGY UTICA LLC | GARY GREEN N WSH MN 3H (703N-2H) | 39.6763514 | -81.1887181 | 39.6853557 | -81.2065511 |
| 09/26/2014 | MONROE | WASHINGTON | 34111244290000 | Drilling | AMERICAN ENERGY UTICA LLC | GARY GREEN N WSH MN 5H (703N-4H) | 39.6763925 | -81.1887031 | 39.6872578 | -81.2045010 |
| 11/07/2014 | MONROE | WASHINGTON | 34111244300000 | Drilling | AMERICAN ENERGY UTICA LLC | GARY GREEN S WSH MN 2H (703S-5H) | 39.6761189 | -81.1887900 | 39.6652988 | -81.1754830 |
| 11/04/2013 | MONROE | WASHINGTON | 34111244310000 | Drilled | HG ENERGY LLC | GARY GREEN 703-S-6H | 39.6761544 | -81.1887751 | 39.6678596 | -81.1766067 |
| 11/07/2014 | MONROE | WASHINGTON | 34111244320000 | Drilling | AMERICAN ENERGY UTICA LLC | GARY GREEN S WSH MN 4H (703S-7H) | 39.6761927 | -81.1887673 | 39.6684589 | -81.1754620 |
| 12/06/2013 | MONROE | PERRY | 34111244370100 | Permitted | EM ENERGY OHIO LLC | JAWS 6PPH | 39.6365953 | -81.0580097 | 39.6463636 | -81.0663815 |
| 04/07/2014 | MONROE | OHIO | 34111244400100 | Drilled | STATOIL USA ONSHORE PROP INC | EISENBARTH U 4H | 39.6976380 | -80.8990428 | 39.6834097 | -80.8815549 |
| 12/12/2013 | MONROE | SENECA | 34111244440000 | Drilling | ANTERO RESOURCES CORPORATION | FRANKLIN UNIT 3H | 39.8328402 | -81.3021992 | 39.8158066 | -81.2843389 |
| 12/12/2013 | MONROE | SENECA | 34111244450000 | Drilling | ANTERO RESOURCES CORPORATION | FRANKLIN UNIT 2H | 39.8328243 | -81.3022493 | 39.8143839 | -81.2874646 |
| 12/12/2013 | MONROE | SENECA | 34111244460000 | Drilled | ANTERO RESOURCES CORPORATION | FRANKLIN UNIT 1H | 39.8328083 | -81.3022994 | 39.8129922 | -81.2906822 |
| 06/26/2014 | MONROE | SENECA | 34111244470000 | Drilled | ANTERO RESOURCES CORPORATION | MCDOUGAL UNIT 2H | 39.8265788 | -81.2847277 | 39.8483129 | -81.2940541 |
| 02/26/2014 | MONROE | SENECA | 34111244480000 | Drilled | ANTERO RESOURCES CORPORATION | KEYLOR UNIT 2H | 39.8490792 | -81.2868993 | 39.8322064 | -81.2709730 |
| 02/26/2014 | MONROE | SENECA | 34111244490000 | Drilling | ANTERO RESOURCES CORPORATION | KEYLOR UNIT 1H | 39.8491178 | -81.2869165 | 39.8307709 | -81.2741569 |
| 07/14/2014 | MONROE | SWITZERLAND | 34111244500100 | Permitted | CNX GAS COMPANY LLC | BREWSTER SWITZ6AHSM | 39.8313803 | -80.9139547 | 39.8454692 | -80.9274325 |
| 04/11/2014 | MONROE | SWITZERLAND | 34111244510000 | Drilling | CNX GAS COMPANY LLC | BREWSTER SWITZ6BHSU | 39.8313313 | -80.9139879 | 39.8453803 | -80.9273525 |
| 07/14/2014 | MONROE | SWITZERLAND | 34111244510100 | Permitted | CNX GAS COMPANY LLC | BREWSTER SWITZ6HSU | 39.8313313 | -80.9139879 | 39.8454692 | -80.9274325 |
| 02/14/2014 | MONROE | SENECA | 34111244520000 | Drilling | ANTERO RESOURCES CORPORATION | MCDOUGAL UNIT 3H | 39.8491564 | -81.2869336 | 39.8295348 | -81.2769846 |
| 05/02/2014 | MONROE | OHIO | 34111244560000 | Drilling | TRIAD HUNTER LLC | ORMET CORP PAD 2 7-15 UH | 39.7132164 | -80.8579535 | 39.6992551 | -80.8549339 |
| 05/02/2014 | MONROE | OHIO | 34111244570000 | Drilling | TRIAD HUNTER LLC | ORMET CORP PAD 2 8-15 UH | 39.7132582 | -80.8579988 | 39.7003265 | -80.8516527 |
| 05/02/2014 | MONROE | OHIO | 34111244580000 | Drilling | TRIAD HUNTER LLC | ORMET CORP PAD 2 9-15 UH | 39.7133028 | -80.8580439 | 39.7010385 | -80.8482092 |
| 05/02/2014 | MONROE | OHIO | 34111244590000 | Drilling | TRIAD HUNTER LLC | ORMET CORP PAD 2 10-15 UH | 39.7133446 | -80.8580856 | 39.7015956 | -80.8446948 |
| 04/30/2014 | MONROE | OHIO | 34111244620100 | Drilled | STATOIL USA ONSHORE PROP INC | WEFLER N U 1H | 39.7387516 | -80.9085048 | 39.7529693 | -80.9281964 |
| 03/25/2014 | MONROE | OHIO | 34111244630100 | Permitted | STATOIL USA ONSHORE PROP INC | EISENBARTH U 3H | 39.6976189 | -80.8990539 | 39.6834519 | -80.8812341 |
| 05/01/2014 | MONROE | FRANKLIN | 34111244670000 | Drilling | HALL DRILLING LLC (OIL & GAS) | WEBB SOUTH 3H | 39.7073447 | -81.2500824 | 39.6913548 | -81.2348636 |
| 05/01/2014 | MONROE | FRANKLIN | 34111244680000 | Drilling | HALL DRILLING LLC (OIL & GAS) | WEBB SOUTH 1H | 39.7073721 | -81.2500784 | 39.6808009 | -81.2336514 |
| 05/01/2014 | MONROE | FRANKLIN | 34111244690000 | Permitted | HALL DRILLING LLC (OIL & GAS) | WEBB SOUTH 2H | 39.7073173 | -81.2500900 | 39.6878322 | -81.2356346 |
| 05/23/2014 | MONROE | PERRY | 34111244710100 | Drilling | EM ENERGY OHIO LLC | MOONRAKER 2-PPH | 39.6728148 | -81.0853795 | 39.6632927 | -81.0705099 |
| 06/04/2014 | MONROE | CENTER | 34111244720100 | Drilled | GULFPORT ENERGY CORPORATION | JONES 210068 3A | 39.7897383 | -81.0591957 | 39.8036643 | -81.0697041 |
| 06/03/2014 | MONROE | CENTER | 34111244730000 | Drilled | GULFPORT ENERGY CORPORATION | JONES 210068 2B | 39.7896971 | -81.0591930 | 39.8048275 | -81.0669356 |
| 06/04/2014 | MONROE | SUNSBURY | 34111244740000 | Drilling | GULFPORT ENERGY CORPORATION | WESTHAWK 210209 1D | 39.8438742 | -81.0319497 | 39.8324768 | -81.0164746 |
| 06/04/2014 | MONROE | SUNSBURY | 34111244760000 | Drilling | GULFPORT ENERGY CORPORATION | WESTHAWK 210209 4A | 39.8437556 | -81.0319024 | 39.8284568 | -81.0257974 |
| 06/04/2014 | MONROE | SUNSBURY | 34111244770000 | Drilling | GULFPORT ENERGY CORPORATION | WESTHAWK 210209 2C | 39.8438356 | -81.0319363 | 39.8311379 | -81.0195835 |
| 06/04/2014 | MONROE | SUNSBURY | 34111244780000 | Drilling | GULFPORT ENERGY CORPORATION | WESTHAWK 210209 3B | 39.8437970 | -81.0319193 | 39.8297960 | -81.0226924 |
| 06/05/2014 | MONROE | CENTER | 34111244790000 | Drilled | GULFPORT ENERGY CORPORATION | JONES 210068 1C | 39.7896559 | -81.0591938 | 39.8060924 | -81.0641757 |
| 06/11/2014 | MONROE | SUNSBURY | 34111244800000 | Drilling | GULFPORT ENERGY CORPORATION | CAMPBELL 210092 4D | 39.8370850 | -81.0560860 | 39.8216762 | -81.0416825 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 06/11/2014 | MONROE | SUNSBURY | 34111244810000 | Drilling | GULFPORT ENERGY CORPORATION | CAMPBELL 210092 3C | 39.8370467 | -81.0561010 | 39.8203393 | -81.0447939 |
| 06/11/2014 | MONROE | SUNSBURY | 34111244820000 | Drilling | GULFPORT ENERGY CORPORATION | CAMPBELL 210092 2B | 39.8370085 | -81.0561196 | 39.8190051 | -81.0479051 |
| 06/11/2014 | MONROE | SUNSBURY | 34111244830000 | Drilling | GULFPORT ENERGY CORPORATION | CAMPBELL 210092 1A | 39.8369675 | -81.0561383 | 39.8176708 | -81.0510163 |
| 06/11/2014 | MONROE | SENECA | 34111244840000 | Drilling | ANTERO RESOURCES CORPORATION | FRANKLIN UNIT 1HA | 39.8327923 | -81.3023460 | 39.8131385 | -81.2902239 |
| 06/13/2014 | MONROE | SUNSBURY | 34111244850000 | Drilling | GULFPORT ENERGY CORPORATION | SHRIVER 210018 1B | 39.8404054 | -81.0468390 | 39.8244109 | -81.0353049 |
| 06/13/2014 | MONROE | SUNSBURY | 34111244860000 | Drilling | GULFPORT ENERGY CORPORATION | SHRIVER 210018 2A | 39.8404465 | -81.0468346 | 39.8230770 | -81.0384165 |
| 06/13/2014 | MONROE | SUNSBURY | 34111244870000 | Drilling | GULFPORT ENERGY CORPORATION | SHRIVER 210018 3C | 39.8404877 | -81.0468301 | 39.8257448 | -81.0321931 |
| 06/13/2014 | MONROE | SUNSBURY | 34111244880000 | Drilling | GULFPORT ENERGY CORPORATION | SHRIVER 210018 4D | 39.8405288 | -81.0468293 | 39.8270786 | -81.0290813 |
| 11/10/2014 | MONROE | SENECA | 34111244890000 | Drilling | ANTERO RESOURCES CORPORATION | LORADITCH UNIT 2H | 39.8320013 | -81.2611447 | 39.8437066 | -81.2732346 |
| 12/24/2014 | MONROE | SENECA | 34111244900000 | Drilling | ANTERO RESOURCES CORPORATION | LORADITCH UNIT 4H | 39.8320834 | -81.2611254 | 39.8545502 | -81.2731075 |
| 11/10/2014 | MONROE | SENECA | 34111244910000 | Permitted | ANTERO RESOURCES CORPORATION | LORADITCH UNIT 6H | 39.8321629 | -81.2611098 | 39.8545502 | -81.2731075 |
| 11/10/2014 | MONROE | SENECA | 34111244920000 | Drilling | ANTERO RESOURCES CORPORATION | LORADITCH UNIT 1H | 39.8319602 | -81.2611561 | 39.8517837 | -81.2810960 |
| 11/10/2014 | MONROE | SENECA | 34111244930000 | Permitted | ANTERO RESOURCES CORPORATION | LORADITCH UNIT 5H | 39.8321245 | -81.2611176 | 39.8539765 | -81.2746885 |
| 01/20/2015 | MONROE | SENECA | 34111244940000 | Drilling | ANTERO RESOURCES CORPORATION | LORADITCH UNIT 3H | 39.8320424 | -81.2611368 | 39.8535949 | -81.2757461 |
| 07/24/2014 | MONROE | ADAMS | 34111244950000 | Drilling | GULFPORT ENERGY CORPORATION | TRUAX 210124 3C | 39.7962412 | -81.0430906 | 39.8115347 | -81.0572815 |
| 07/24/2014 | MONROE | ADAMS | 34111244960000 | Drilling | GULFPORT ENERGY CORPORATION | TRUAX 210124 4D | 39.7962378 | -81.0430373 | 39.8125863 | -81.0548317 |
| 07/24/2014 | MONROE | ADAMS | 34111244970000 | Drilling | GULFPORT ENERGY CORPORATION | TRUAX 210124 1A | 39.7962425 | -81.0431974 | 39.8093807 | -81.0622994 |
| 07/24/2014 | MONROE | ADAMS | 34111244980000 | Drilling | GULFPORT ENERGY CORPORATION | TRUAX 210124 2B | 39.7962418 | -81.0431440 | 39.8104858 | -81.0597312 |
| 06/20/2014 | MONROE | WASHINGTON | 34111244990000 | Permitted | HG ENERGY LLC | KLJ UNIT 815 5-4H | 39.6775416 | -81.1701233 | 39.6641428 | -81.1550497 |
| 06/20/2014 | MONROE | WAYNE | 34111245000000 | Permitted | HG ENERGY LLC | KLJ UNIT 818 N-3H | 39.7031034 | -81.1828977 | 39.7166418 | -81.1995111 |
| 07/24/2014 | MONROE | ADAMS | 34111245020000 | Drilling | GULFPORT ENERGY CORPORATION | TRUAX 210124 5E | 39.7962371 | -81.0429839 | 39.8136378 | -81.0523818 |
| 10/09/2014 | MONROE | SWITZERLAND | 34111245030000 | Drilling | CNX GAS COMPANY LLC | BREWSTER SWITZ6FHSU | 39.8311844 | -80.9140838 | 39.8050991 | -80.8969071 |
| 11/28/2014 | MONROE | SWITZERLAND | 34111245040000 | Drilling | CNX GAS COMPANY LLC | BREWSTER SWITZ6HHSU | 39.8312333 | -80.9140507 | 39.8068623 | -80.8937266 |
| 11/28/2014 | MONROE | SWITZERLAND | 34111245050000 | Drilled | CNX GAS COMPANY LLC | BREWSTER SWITZ6DHSU | 39.8312824 | -80.9140210 | 39.8068800 | -80.8890200 |
| 09/12/2014 | MONROE | SUNSBURY | 34111245060000 | Drilling | GULFPORT ENERGY CORPORATION | ROBINETTE 210129 1D | 39.8128895 | -81.0085113 | 39.8312410 | -81.0155858 |
| 11/06/2014 | MONROE | SUNSBURY | 34111245070000 | Drilling | GULFPORT ENERGY CORPORATION | ROBINETTE 210129 2C | 39.8128901 | -81.0085647 | 39.8298882 | -81.0186842 |
| 11/06/2014 | MONROE | SUNSBURY | 34111245080000 | Drilling | GULFPORT ENERGY CORPORATION | ROBINETTE 210129 3B | 39.8128908 | -81.0086181 | 39.8285547 | -81.0217964 |
| 11/06/2014 | MONROE | SUNSBURY | 34111245090000 | Drilling | GULFPORT ENERGY CORPORATION | ROBINETTE 210129 4A | 39.8128915 | -81.0086715 | 39.8272211 | -81.0249085 |
| 09/17/2014 | MONROE | ADAMS | 34111245100000 | Drilling | GULFPORT ENERGY CORPORATION | HOWELL 210093 3C | 39.8010341 | -81.0333333 | 39.8191037 | -81.0439047 |
| 09/17/2014 | MONROE | ADAMS | 34111245110000 | Drilling | GULFPORT ENERGY CORPORATION | HOWELL 210093 4D | 39.8010639 | -81.0332971 | 39.8204406 | -81.0407933 |
| 09/17/2014 | MONROE | ADAMS | 34111245120000 | Drilling | GULFPORT ENERGY CORPORATION | HOWELL 210093 2B | 39.8010016 | -81.0333696 | 39.8177695 | -81.0470159 |
| 09/17/2014 | MONROE | ADAMS | 34111245130000 | Drilling | GULFPORT ENERGY CORPORATION | HOWELL 210093 1A | 39.8009718 | -81.0334022 | 39.8164352 | -81.0501234 |
| 12/15/2014 | MONROE | ADAMS | 34111245150100 | Permitted | ECLIPSE RESOURCES I LP | SAWYERS 8H | 39.7676035 | -80.9883469 | 39.7541961 | -80.9739821 |
| 12/15/2014 | MONROE | ADAMS | 34111245170100 | Permitted | ECLIPSE RESOURCES I LP | SAWYERS 6H | 39.7675713 | -80.9884045 | 39.7515720 | -80.9750960 |
| 09/25/2014 | MONROE | FRANKLIN | 34111245230000 | Permitted | ANTERO RESOURCES CORPORATION | BENATAR UNIT 1H | 39.7738851 | -81.2977191 | 39.7852828 | -81.3044937 |
| 09/25/2014 | MONROE | FRANKLIN | 34111245240000 | Permitted | ANTERO RESOURCES CORPORATION | BENATAR UNIT 3H | 39.7739115 | -81.2976226 | 39.7852207 | -81.3002992 |
| 09/25/2014 | MONROE | FRANKLIN | 34111245250000 | Permitted | ANTERO RESOURCES CORPORATION | BENATAR UNIT 2H | 39.7739011 | -81.2976726 | 39.7852448 | -81.3023912 |
| 12/18/2014 | MONROE | FRANKLIN | 34111245260000 | Drilling | ANTERO RESOURCES CORPORATION | DIMMERLING UNIT 3H | 39.7738718 | -81.2977691 | 39.7938484 | -81.3119808 |
| 09/25/2014 | MONROE | FRANKLIN | 34111245270000 | Drilling | ANTERO RESOURCES CORPORATION | DIMMERLING UNIT 1H | 39.7738427 | -81.2978693 | 39.7917728 | -81.3165929 |
| 12/18/2014 | MONROE | FRANKLIN | 34111245280000 | Drilling | ANTERO RESOURCES CORPORATION | DIMMERLING UNIT 2H | 39.7738559 | -81.2978192 | 39.7928120 | -81.3142869 |
| 10/17/2014 | MONROE | SENECA | 34111245290000 | Permitted | ANTERO RESOURCES CORPORATION | BIEDENBACH UNIT 5H | 39.8264070 | -81.2845776 | 39.8117786 | -81.2680334 |
| 01/21/2015 | MONROE | SENECA | 34111245300000 | Drilling | ANTERO RESOURCES CORPORATION | BIEDENBACH UNIT 1H | 39.8265428 | -81.2846963 | 39.8087365 | -81.2753599 |
| 01/21/2015 | MONROE | SENECA | 34111245310000 | Drilling | ANTERO RESOURCES CORPORATION | BIEDENBACH UNIT 2H | 39.8265095 | -81.2846648 | 39.8081347 | -81.2718997 |
| 01/21/2015 | MONROE | SENECA | 34111245320000 | Drilling | ANTERO RESOURCES CORPORATION | BIEDENBACH UNIT 3H | 39.8264763 | -81.2846369 | 39.8080833 | -81.2688357 |
| 01/21/2015 | MONROE | SENECA | 34111245330000 | Drilling | ANTERO RESOURCES CORPORATION | BIEDENBACH UNIT 4H | 39.8264402 | -81.2846055 | 39.8080291 | -81.2657752 |
| 11/20/2014 | MONROE | WASHINGTON | 34111245410000 | Drilling | AMERICAN ENERGY UTICA LLC | GARY GREEN N WSH MN 3H-A | 39.6763131 | -81.1887259 | 39.6853557 | -81.2065511 |
| 11/24/2014 | MONROE | SENECA | 34111245420000 | Drilling | ANTERO RESOURCES CORPORATION | ULRICH UNIT 5H | 39.7845084 | -81.2778925 | 39.8044692 | -81.2900791 |
| 11/25/2014 | MONROE | SENECA | 34111245430000 | Permitted | ANTERO RESOURCES CORPORATION | ULRICH UNIT 6H | 39.7845083 | -81.2778890 | 39.8047880 | -81.2882582 |
| 01/02/2015 | MONROE | SUNSBURY | 34111245440000 | Drilling | GULFPORT ENERGY CORPORATION | ROUTH 210019 3C | 39.8077824 | -81.0199768 | 39.8245090 | -81.0313005 |
| 01/02/2015 | MONROE | SUNSBURY | 34111245450000 | Drilling | GULFPORT ENERGY CORPORATION | ROUTH 210019 4D | 39.8078094 | -81.0199371 | 39.8258428 | -81.0281887 |
| 11/25/2014 | MONROE | SUNSBURY | 34111245460000 | Drilling | GULFPORT ENERGY CORPORATION | ROUTH 210019 2B | 39.8077527 | -81.0200130 | 39.8231752 | -81.0344122 |
| 11/25/2014 | MONROE | SUNSBURY | 34111245470000 | Drilling | GULFPORT ENERGY CORPORATION | ROUTH 210019 1A | 39.8077229 | -81.0200493 | 39.8218413 | -81.0375238 |
| 12/10/2014 | MONROE | SENECA | 34111245570000 | Permitted | ECLIPSE RESOURCES I LP | BYLER 3H | 39.8664267 | -81.3097654 | 39.8877330 | -81.3182926 |
| 12/10/2014 | MONROE | SENECA | 34111245580000 | Permitted | ECLIPSE RESOURCES I LP | BYLER 1H | 39.8664814 | -81.3097502 | 39.8867180 | -81.3205550 |
| 11/15/2013 | MORGAN | CENTER | 34115246830000 | Producing | PDC ENERGY INC | PALMER 3H | 39.6092074 | -81.6671074 | 39.6304517 | -81.6704152 |
| 11/15/2013 | MORGAN | CENTER | 34115246840000 | Producing | PDC ENERGY INC | PALMER 2H | 39.6092374 | -81.6670715 | 39.6287785 | -81.6679497 |
| 11/15/2013 | MORGAN | CENTER | 34115246850000 | Drilled | PDC ENERGY INC | PALMER 1H | 39.6092673 | -81.6670392 | 39.6283353 | -81.6654697 |
| 09/27/2013 | MUSKINGUM | MEIGS | 34119287450100 | Permitted | ARTEX OIL COMPANY | FREC MUSK MEIGS A1H | 39.8011515 | -81.7169869 | 39.8137240 | -81.7241646 |
| 03/09/2012 | MUSKINGUM | MEIGS | 34119287490100 | Producing | ARTEX OIL COMPANY | FREC MEIGS C-1H | 39.8215655 | -81.7585726 | 39.8347749 | -81.7741178 |
| 03/20/2012 | MUSKINGUM | MADISON | 34119287580100 | Permitted | ENERVEST OPERATING L | CONSOLIDATED COAL UNIT 2-H | 40.0634144 | -81.9513114 | 40.0791127 | -81.9629437 |
| 12/23/2011 | NOBLE | STOCK | 34121243420100 | Producing | CNX GAS COMPANY LLC | CNX GAS COMPANY LLC NBL1AHSU | 39.7519767 | -81.3428070 | 39.7427123 | -81.3322383 |
| 03/23/2012 | NOBLE | SENECA | 34121243460100 | Drilled | ANTERO RESOURCES CORPORATION | MILEY 5 H | 39.8544530 | -81.4535188 | 39.8386112 | -81.4421722 |
| 04/27/2012 | NOBLE | SENECA | 34121243460200 | Producing | ANTERO RESOURCES CORPORATION | MILEY UNIT 5HA | 39.8544829 | -81.4534827 | 39.8386684 | -81.4427269 |
| 09/27/2013 | NOBLE | BROOKFIELD | 34121243470100 | Permitted | ARTEX OIL COMPANY | FREC NOBL BROOKFIELD A-1H | 39.7797589 | -81.6569240 | 39.7916474 | -81.6658193 |
| 10/31/2011 | NOBLE | SHARON | 34121243480100 | Producing | ARTEX OIL COMPANY | FREC NOBL SHARON A-1H | 39.7219372 | -81.6100472 | 39.7342184 | -81.6180760 |
| 03/23/2012 | NOBLE | OLIVE | 34121243490100 | Producing | ARTEX OIL COMPANY | FREC NOBL OLIVE A-1H | 39.6646233 | -81.5376218 | 39.6766372 | -81.5465694 |
| 12/15/2011 | NOBLE | BROOKFIELD | 34121243500100 | Producing | ARTEX OIL COMPANY | FREC NOBL BROOKFIELD A-3H | 39.7798416 | -81.6569621 | 39.7933598 | -81.6630158 |
| 06/06/2012 | NOBLE | BEAVER | 34121243630100 | Producing | R E GAS DEVELOPMENT LLC | GUERNSEY 1H | 39.9462321 | -81.2872082 | 39.9541871 | -81.2945391 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 06/06/2012 | NOBLE | BEAVER | 34121243640100 | Producing | R E GAS DEVELOPMENT LLC | GUERNSEY 2H | 39.9461935 | -81.2871910 | 39.9560788 | -81.2918701 |
| 06/08/2012 | NOBLE | BEAVER | 34121243650000 | Producing | R E GAS DEVELOPMENT LLC | NOBLE UNIT 1H | 39.9461549 | -81.2871703 | 39.9367389 | -81.2822311 |
| 06/22/2012 | NOBLE | BUFFALO | 34121243660100 | Producing | ANTERO RESOURCES CORPORATION | SANFORD UNIT 1H | 39.8713781 | -81.5201151 | 39.8503563 | -81.5194778 |
| 06/07/2012 | NOBLE | SENECA | 34121243670100 | Producing | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES CO NBL 16AHSU | 39.8481921 | -81.3982919 | 39.8364225 | -81.3873032 |
| 09/24/2012 | NOBLE | SENECA | 34121243800000 | Drilled | ANTERO RESOURCES CORPORATION | WAYNE UNIT 3H | 39.8680333 | -81.4224468 | 39.8514290 | -81.4091473 |
| 10/30/2012 | NOBLE | SENECA | 34121243870000 | Producing | ANTERO RESOURCES CORPORATION | WAYNE UNIT 3HA | 39.8680000 | -81.4224153 | 39.8508400 | -81.4086970 |
| 11/09/2012 | NOBLE | SENECA | 34121243890000 | Producing | ANTERO RESOURCES CORPORATION | WAYNE UNIT 2H | 39.8680692 | -81.4224748 | 39.8511565 | -81.4132050 |
| 11/13/2012 | NOBLE | OLIVE | 34121243900000 | Permitted | ENERVEST OPERATING L | GEROLD 2H | 39.7215747 | -81.5006150 | 39.7083444 | -81.4946054 |
| 01/11/2013 | NOBLE | ENOCH | 34121243910100 | Permitted | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES CO NBL33AHSU | 39.7377043 | -81.4181564 | 39.7456543 | -81.4317682 |
| 11/21/2012 | NOBLE | ENOCH | 34121243930000 | Producing | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES CO NBL11BHSU | 39.7457344 | -81.4142298 | 39.7589338 | -81.4241871 |
| 01/21/2012 | NOBLE | ENOCH | 34121243940100 | Producing | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES CO NBL11CHSU | 39.7456901 | -81.4141879 | 39.7603547 | -81.4201668 |
| 11/23/2012 | NOBLE | CENTER | 34121243950000 | Permitted | ANTERO RESOURCES CORPORATION | SCHROEDER UNIT 1H | 39.8283935 | -81.4576065 | 39.8127966 | -81.4499583 |
| 04/30/2013 | NOBLE | SENECA | 34121243960100 | Producing | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES CO NBL19AHSU | 39.8374790 | -81.3806162 | 39.8594508 | -81.4029086 |
| 04/09/2013 | NOBLE | ENOCH | 34121243980100 | Producing | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES CO NBL33CHSU | 39.7376509 | -81.4180328 | 39.7514373 | -81.4276604 |
| 01/11/2013 | NOBLE | ENOCH | 34121243990000 | Producing | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES CO NBL33BHSU | 39.7376762 | -81.4180964 | 39.7502302 | -81.4313638 |
| 12/14/2012 | NOBLE | SENECA | 34121244000000 | Producing | ANTERO RESOURCES CORPORATION | WAYNE UNIT 4H | 39.8679641 | -81.4223874 | 39.8509980 | -81.4109172 |
| 01/02/2013 | NOBLE | ENOCH | 34121244030000 | Producing | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES CO NBL11AHSU | 39.7457787 | -81.4142718 | 39.7577754 | -81.4281000 |
| 01/09/2013 | NOBLE | BEAVER | 34121244040000 | Producing | ANTERO RESOURCES CORPORATION | DOLLISON UNIT 1H | 39.9081494 | -81.3249328 | 39.9259303 | -81.3305443 |
| 01/30/2013 | NOBLE | ENOCH | 34121244050000 | Producing | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES NBL33AHSUA | 39.7377296 | -81.4182200 | 39.7459253 | -81.4319775 |
| 06/20/2014 | NOBLE | SENECA | 34121244070000 | Producing | ANTERO RESOURCES CORPORATION | MILLIGAN UNIT 3H | 39.8640399 | -81.4309804 | 39.8517625 | -81.4181644 |
| 06/20/2014 | NOBLE | SENECA | 34121244080000 | Producing | ANTERO RESOURCES CORPORATION | MILLIGAN UNIT 1H | 39.8639604 | -81.4309959 | 39.8460662 | -81.4224058 |
| 06/20/2014 | NOBLE | SENECA | 34121244090000 | Producing | ANTERO RESOURCES CORPORATION | MILLIGAN UNIT 2H | 39.8639988 | -81.4309882 | 39.8486088 | -81.4200478 |
| 02/22/2013 | NOBLE | SENECA | 34121244100000 | Producing | ANTERO RESOURCES CORPORATION | MILEY UNIT 2H | 39.8544177 | -81.4535621 | 39.8398754 | -81.4392826 |
| 03/28/2013 | NOBLE | SENECA | 34121244110000 | Producing | ANTERO RESOURCES CORPORATION | COAL UNIT 2H | 39.8618671 | -81.4411312 | 39.8407644 | -81.4271604 |
| 03/28/2013 | NOBLE | SENECA | 34121244120000 | Producing | ANTERO RESOURCES CORPORATION | COAL UNIT 3H | 39.8618997 | -81.4410986 | 39.8427130 | -81.4243952 |
| 04/30/2013 | NOBLE | SENECA | 34121244130000 | Producing | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES CO NBL19BHSU | 39.8374906 | -81.3806872 | 39.8618296 | -81.4007015 |
| 05/01/2013 | NOBLE | SENECA | 34121244140000 | Producing | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES CO NBL19CHSU | 39.8374995 | -81.3807583 | 39.8615729 | -81.3961670 |
| 05/06/2013 | NOBLE | SENECA | 34121244150000 | Drilled | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES CO NBL18CHSU | 39.8375042 | -81.3930979 | 39.8486236 | -81.4127459 |
| 05/06/2013 | NOBLE | SENECA | 34121244160000 | Producing | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES CO NBL18AHSU | 39.8376036 | -81.3931568 | 39.8485820 | -81.4079702 |
| 05/06/2013 | NOBLE | SENECA | 34121244170000 | Producing | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES CO NBL18EHSU | 39.8376533 | -81.3931845 | 39.8490441 | -81.4060111 |
| 05/06/2013 | NOBLE | SENECA | 34121244180100 | Producing | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES CO NBL18BHSU | 39.8377030 | -81.3932158 | 39.8511756 | -81.4055217 |
| 05/06/2013 | NOBLE | SENECA | 34121244190000 | Drilled | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES CO NBL18DHSU | 39.8375539 | -81.3931256 | 39.8486042 | -81.4103562 |
| 05/23/2013 | NOBLE | SENECA | 34121244230000 | Producing | ANTERO RESOURCES CORPORATION | VORHIES UNIT 1H | 39.8824681 | -81.4229466 | 39.8552126 | -81.4074138 |
| 05/23/2013 | NOBLE | SENECA | 34121244240000 | Producing | ANTERO RESOURCES CORPORATION | VORHIES UNIT 2H | 39.8824269 | -81.4229473 | 39.8595906 | -81.4064153 |
| 05/23/2013 | NOBLE | SENECA | 34121244250000 | Producing | ANTERO RESOURCES CORPORATION | VORHIES UNIT 3H | 39.8823857 | -81.4229479 | 39.8618210 | -81.4038865 |
| 06/10/2013 | NOBLE | SENECA | 34121244270000 | Producing | ANTERO RESOURCES CORPORATION | SCHEETZ UNIT 2H | 39.8681716 | -81.4225623 | 39.8877077 | -81.4399502 |
| 06/02/2014 | NOBLE | SENECA | 34121244280000 | Producing | ANTERO RESOURCES CORPORATION | NEUHART UNIT 3H | 39.8641577 | -81.4309501 | 39.8844484 | -81.4420311 |
| 06/10/2013 | NOBLE | SENECA | 34121244290000 | Producing | ANTERO RESOURCES CORPORATION | SCHEETZ UNIT 3H | 39.8681356 | -81.4225308 | 39.8892699 | -81.4369185 |
| 06/28/2013 | NOBLE | SENECA | 34121244310000 | Producing | ANTERO RESOURCES CORPORATION | MYRON UNIT 3H | 39.8839835 | -81.3931744 | 39.9055465 | -81.3969698 |
| 06/28/2013 | NOBLE | SENECA | 34121244320000 | Producing | ANTERO RESOURCES CORPORATION | MYRON UNIT 2H | 39.8839509 | -81.3932069 | 39.9134292 | -81.4037610 |
| 06/28/2013 | NOBLE | SENECA | 34121244330000 | Producing | ANTERO RESOURCES CORPORATION | MYRON 1H | 39.8839154 | -81.3932360 | 39.9149282 | -81.4081689 |
| 07/08/2013 | NOBLE | BEAVER | 34121244350000 | Producing | ANTERO RESOURCES CORPORATION | DOLLISON UNIT 2H | 39.9135323 | -81.3147453 | 39.9280560 | -81.3284154 |
| 07/08/2013 | NOBLE | BEAVER | 34121244360000 | Producing | ANTERO RESOURCES CORPORATION | DOLLISON UNIT 3H | 39.9135318 | -81.3146919 | 39.9300346 | -81.3261355 |
| 07/08/2013 | NOBLE | BEAVER | 34121244370000 | Producing | ANTERO RESOURCES CORPORATION | DOLLISON UNIT 4H | 39.9135312 | -81.3146384 | 39.9311311 | -81.3243268 |
| 07/29/2013 | NOBLE | SENECA | 34121244380000 | Permitted | ANTERO RESOURCES CORPORATION | COAL UNIT 1H | 39.8581355 | -81.4459542 | 39.8406104 | -81.4307420 |
| 07/29/2013 | NOBLE | SENECA | 34121244390000 | Permitted | ANTERO RESOURCES CORPORATION | MILEY UNIT 3H | 39.8581579 | -81.4460002 | 39.8413255 | -81.4366108 |
| 05/16/2014 | NOBLE | CENTER | 34121244410000 | Producing | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES CO NBL34BHSU | 39.7930578 | -81.4172789 | 39.7775692 | -81.4086065 |
| 05/16/2014 | NOBLE | CENTER | 34121244420000 | Drilled | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES CO NBL34CHSU | 39.7930489 | -81.4172114 | 39.7774626 | -81.4042494 |
| 05/16/2014 | NOBLE | CENTER | 34121244430000 | Drilled | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES CO NBL34DHSU | 39.7930428 | -81.4171403 | 39.7804257 | -81.4016871 |
| 05/16/2014 | NOBLE | CENTER | 34121244440000 | Drilled | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES CO NBL34AHSU | 39.7930667 | -81.4173499 | 39.7776590 | -81.4129495 |
| 08/19/2013 | NOBLE | MARION | 34121244460100 | Producing | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES CO NBL30EHSU | 39.8194425 | -81.3955390 | 39.8095335 | -81.3876724 |
| 08/19/2013 | NOBLE | MARION | 34121244480000 | Producing | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES CO NBL30FHSU | 39.8193989 | -81.3955753 | 39.8106211 | -81.3839634 |
| 08/19/2013 | NOBLE | SENECA | 34121244490000 | Producing | ANTERO RESOURCES CORPORATION | SCHAFER UNIT 1H | 39.8812645 | -81.4044674 | 39.8616111 | -81.3894690 |
| 08/19/2013 | NOBLE | SENECA | 34121244500000 | Producing | ANTERO RESOURCES CORPORATION | SCHAFER UNIT 2H | 39.8812944 | -81.4044313 | 39.8605179 | -81.3844991 |
| 08/23/2013 | NOBLE | MARION | 34121244530000 | Producing | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES CO NBL30DHSU | 39.8194888 | -81.3954991 | 39.8040210 | -81.3877284 |
| 03/17/2014 | NOBLE | SENECA | 34121244540000 | Drilling | ANTERO RESOURCES CORPORATION | FRAKES UNIT 2H | 39.8838855 | -81.3932650 | 39.8622660 | -81.3772357 |
| 03/17/2014 | NOBLE | SENECA | 34121244550000 | Drilling | ANTERO RESOURCES CORPORATION | FRAKES UNIT 1H | 39.8838501 | -81.3932941 | 39.8610170 | -81.3804050 |
| 10/16/2013 | NOBLE | CENTER | 34121244580000 | Permitted | ANTERO RESOURCES CORPORATION | LEACH UNIT 3H | 39.8338840 | -81.4474146 | 39.8492844 | -81.4554985 |
| 10/16/2013 | NOBLE | CENTER | 34121244590000 | Permitted | ANTERO RESOURCES CORPORATION | LEACH UNIT 2H | 39.8339091 | -81.4474570 | 39.8493700 | -81.4592514 |
| 10/16/2013 | NOBLE | CENTER | 34121244600000 | Permitted | ANTERO RESOURCES CORPORATION | LEACH UNIT 1H | 39.8339342 | -81.4474994 | 39.8494610 | -81.4630113 |
| 02/28/2014 | NOBLE | MARION | 34121244620000 | Drilling | ANTERO RESOURCES CORPORATION | GRAVES UNIT 1H | 39.8227609 | -81.3189253 | 39.8442643 | -81.3373372 |
| 02/28/2014 | NOBLE | MARION | 34121244630000 | Drilled | ANTERO RESOURCES CORPORATION | GRAVES UNIT 2H | 39.8227358 | -81.3188830 | 39.8449465 | -81.3358085 |
| 02/28/2014 | NOBLE | MARION | 34121244640000 | Drilled | ANTERO RESOURCES CORPORATION | GRAVES UNIT 3H | 39.8227107 | -81.3188443 | 39.8451028 | -81.3338506 |
| 11/08/2013 | NOBLE | SENECA | 34121244650000 | Producing | ANTERO RESOURCES CORPORATION | LAW UNIT 1H | 39.8798134 | -81.4087236 | 39.8644049 | -81.4012879 |
| 11/08/2013 | NOBLE | SENECA | 34121244660000 | Producing | ANTERO RESOURCES CORPORATION | LAW UNIT 2H | 39.8798517 | -81.4087087 | 39.8636256 | -81.3966582 |
| 09/05/2014 | NOBLE | MARION | 34121244670000 | Drilling | ANTERO RESOURCES CORPORATION | SIBERIAN UNIT 3H | 39.8226298 | -81.3187211 | 39.7992687 | -81.3020611 |
| 03/21/2014 | NOBLE | STOCK | 34121244700100 | Producing | ECLIPSE RESOURCES I LP | DUANE WEISEND UNIT 4H | 39.7750718 | -81.3237116 | 39.7553627 | -81.3070629 |
| 09/29/2014 | NOBLE | SENECA | 34121244710000 | Drilling | ANTERO RESOURCES CORPORATION | NEUHART WEST UNIT 1H | 39.8640810 | -81.4309691 | 39.8806096 | -81.4483575 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 09/23/2014 | NOBLE | SENECA | 34121244720000 | Drilling | ANTERO RESOURCES CORPORATION | NEUHART WEST UNIT 2H | 39.8641193 | -81.4309579 | 39.8810345 | -81.4446202 |
| 02/19/2014 | NOBLE | MARION | 34121244730000 | Drilled | ANTERO RESOURCES CORPORATION | GRAVES UNIT 4H | 39.8227861 | -81.3189676 | 39.8451291 | -81.3318093 |
| 04/11/2014 | NOBLE | SENECA | 34121244740000 | Producing | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES NBL16BHSU | 39.8483358 | -81.3983929 | 39.8570925 | -81.4055675 |
| 03/10/2014 | NOBLE | SENECA | 34121244750000 | Permitted | ANTERO RESOURCES CORPORATION | STOUT UNIT 1H | 39.8619324 | -81.4410660 | 39.8833658 | -81.4584826 |
| 03/10/2014 | NOBLE | SENECA | 34121244760000 | Permitted | ANTERO RESOURCES CORPORATION | STOUT UNIT 2H | 39.8619650 | -81.4410299 | 39.8858650 | -81.4561039 |
| 05/14/2014 | NOBLE | MARION | 34121244770000 | Drilling | ANTERO RESOURCES CORPORATION | KAHRIG UNIT 2H | 39.8182781 | -81.3293760 | 39.8417982 | -81.3425354 |
| 05/14/2014 | NOBLE | MARION | 34121244780000 | Drilled | ANTERO RESOURCES CORPORATION | KAHRIG UNIT 1H | 39.8183032 | -81.3294183 | 39.8407612 | -81.3448426 |
| 05/12/2014 | NOBLE | MARION | 34121244810000 | Drilling | ANTERO RESOURCES CORPORATION | BARTO UNIT 1H | 39.8183452 | -81.3295030 | 39.8386815 | -81.3494534 |
| 05/12/2014 | NOBLE | MARION | 34121244820000 | Drilling | ANTERO RESOURCES CORPORATION | BARTO UNIT 2H | 39.8183228 | -81.3294607 | 39.8397213 | -81.3471462 |
| 05/23/2014 | NOBLE | BEAVER | 34121244830000 | Drilling | ANTERO RESOURCES CORPORATION | MAHONEY UNIT 2H | 39.9358832 | -81.3163756 | 39.9073395 | -81.3000034 |
| 05/27/2014 | NOBLE | BEAVER | 34121244840000 | Drilling | ANTERO RESOURCES CORPORATION | MAHONEY UNIT 1H | 39.9358782 | -81.3164256 | 39.9064779 | -81.3024637 |
| 05/23/2014 | NOBLE | BEAVER | 34121244850000 | Drilling | ANTERO RESOURCES CORPORATION | GRISSOM UNIT 1H | 39.9135307 | -81.3145849 | 39.8946770 | -81.3042743 |
| 05/23/2014 | NOBLE | BEAVER | 34121244860000 | Drilling | ANTERO RESOURCES CORPORATION | GRISSOM UNIT 2H | 39.9135302 | -81.3145315 | 39.8953641 | -81.3027334 |
| 05/23/2014 | NOBLE | BEAVER | 34121244870000 | Drilling | ANTERO RESOURCES CORPORATION | GRISSOM UNIT 3H | 39.9135296 | -81.3144780 | 39.8960539 | -81.3011889 |
| 05/23/2014 | NOBLE | BEAVER | 34121244880000 | Drilling | ANTERO RESOURCES CORPORATION | DIAMOND UNIT 2H | 39.9358958 | -81.3162684 | 39.9093315 | -81.2953310 |
| 05/23/2014 | NOBLE | BEAVER | 34121244890000 | Drilling | ANTERO RESOURCES CORPORATION | DIAMOND UNIT 1H | 39.9358881 | -81.3163220 | 39.9085252 | -81.2978226 |
| 06/26/2014 | NOBLE | BEAVER | 34121244920000 | Drilling | ANTERO RESOURCES CORPORATION | HALLETT UNIT 1H | 39.9020605 | -81.3313093 | 39.8855524 | -81.3247764 |
| 05/14/2014 | NOBLE | MARION | 34121244930000 | Drilled | ANTERO RESOURCES CORPORATION | KAHRIG UNIT 3H | 39.8182556 | -81.3293301 | 39.8428379 | -81.3402280 |
| 05/23/2014 | NOBLE | BEAVER | 34121244940000 | Drilling | ANTERO RESOURCES CORPORATION | GRISSOM UNIT 4H | 39.9135291 | -81.3144245 | 39.8967345 | -81.2990065 |
| 05/23/2014 | NOBLE | BEAVER | 34121244950000 | Drilling | ANTERO RESOURCES CORPORATION | DIAMOND UNIT 3H | 39.9359008 | -81.3162148 | 39.9103630 | -81.2931135 |
| 06/02/2014 | NOBLE | BEAVER | 34121244960000 | Drilling | ANTERO RESOURCES CORPORATION | CARL UNIT 1H | 39.9079956 | -81.3249318 | 39.9281460 | -81.3424563 |
| 06/02/2014 | NOBLE | BEAVER | 34121244970000 | Drilling | ANTERO RESOURCES CORPORATION | CARL UNIT 2H | 39.9079544 | -81.3249290 | 39.9280822 | -81.3390627 |
| 06/02/2014 | NOBLE | BEAVER | 34121244980000 | Drilling | ANTERO RESOURCES CORPORATION | CARL UNIT 3H | 39.9080781 | -81.3249376 | 39.9280193 | -81.3357617 |
| 06/02/2014 | NOBLE | BEAVER | 34121244990000 | Drilling | ANTERO RESOURCES CORPORATION | ERVIN UNIT 1H | 39.9079132 | -81.3249261 | 39.8899345 | -81.3149835 |
| 06/02/2014 | NOBLE | BEAVER | 34121245000000 | Drilling | ANTERO RESOURCES CORPORATION | ERVIN UNIT 2H | 39.9078720 | -81.3249232 | 39.8909598 | -81.3126673 |
| 06/02/2014 | NOBLE | STOCK | 34121245010000 | Permitted | ECLIPSE RESOURCES I LP | DUANE WEISEND UNIT 2H | 39.7750226 | -81.3237374 | 39.7559068 | -81.3098032 |
| 06/02/2014 | NOBLE | BEAVER | 34121245020000 | Drilling | ANTERO RESOURCES CORPORATION | ERVIN UNIT 3H | 39.9078308 | -81.3249204 | 39.8919823 | -81.3103474 |
| 06/02/2014 | NOBLE | BEAVER | 34121245030000 | Drilling | ANTERO RESOURCES CORPORATION | ERVIN UNIT 4H | 39.9077896 | -81.3249175 | 39.8930048 | -81.3080275 |
| 08/21/2014 | NOBLE | SENECA | 34121245040000 | Drilling | ANTERO RESOURCES CORPORATION | BECKER UNIT 1H | 39.8650192 | -81.3711740 | 39.8844584 | -81.3899774 |
| 06/05/2014 | NOBLE | BEAVER | 34121245050000 | Drilling | ANTERO RESOURCES CORPORATION | BRUCE UNIT 1H | 39.9021272 | -81.3311157 | 39.9223328 | -81.3482046 |
| 06/05/2014 | NOBLE | BEAVER | 34121245060000 | Drilling | ANTERO RESOURCES CORPORATION | BRUCE UNIT 2H | 39.9021432 | -81.3310655 | 39.9233698 | -81.3458911 |
| 06/05/2014 | NOBLE | BEAVER | 34121245070000 | Drilling | ANTERO RESOURCES CORPORATION | BRUCE UNIT 3H | 39.9021592 | -81.3310153 | 39.9262618 | -81.3448803 |
| 07/23/2014 | NOBLE | STOCK | 34121245080000 | Drilled | CNX GAS COMPANY LLC | GUREWICZ NBL36CHSU | 39.7580884 | -81.3921467 | 39.7399920 | -81.3694609 |
| 07/23/2014 | NOBLE | STOCK | 34121245090000 | Drilled | CNX GAS COMPANY LLC | GUREWICZ NBL36BHSU | 39.7580362 | -81.3921404 | 39.7354670 | -81.3697192 |
| 06/06/2014 | NOBLE | STOCK | 34121245100000 | Drilled | CNX GAS COMPANY LLC | GUREWICZ NBL36AHSU | 39.7579812 | -81.3921377 | 39.7307288 | -81.3697925 |
| 06/26/2014 | NOBLE | BEAVER | 34121245110000 | Drilling | ANTERO RESOURCES CORPORATION | HALLETT UNIT 2H | 39.9020793 | -81.3312626 | 39.8865890 | -81.3224674 |
| 06/26/2014 | NOBLE | BEAVER | 34121245120000 | Drilling | ANTERO RESOURCES CORPORATION | HALLETT UNIT 3H | 39.9020952 | -81.3312125 | 39.8876256 | -81.3201619 |
| 06/26/2014 | NOBLE | BEAVER | 34121245130000 | Drilling | ANTERO RESOURCES CORPORATION | HALLETT UNIT 4H | 39.9021112 | -81.3311623 | 39.8886621 | -81.3178527 |
| 10/06/2014 | NOBLE | SENECA | 34121245140000 | Drilling | ANTERO RESOURCES CORPORATION | SENECA UNIT 3H | 39.8813839 | -81.4043159 | 39.9133512 | -81.4130743 |
| 10/06/2014 | NOBLE | SENECA | 34121245150000 | Drilling | ANTERO RESOURCES CORPORATION | SENECA UNIT 2H | 39.8813242 | -81.4043917 | 39.9095837 | -81.4201239 |
| 10/06/2014 | NOBLE | SENECA | 34121245160000 | Drilling | ANTERO RESOURCES CORPORATION | SENECA UNIT 1H | 39.8813270 | -81.4043952 | 39.9088500 | -81.4197539 |
| 09/04/2014 | NOBLE | BEAVER | 34121245250100 | Permitted | ECLIPSE RESOURCES I LP | DALE YODER 2H | 39.8919065 | -81.3126119 | 39.8709734 | -81.3022303 |
| 09/04/2014 | NOBLE | BEAVER | 34121245260000 | Drilling | ECLIPSE RESOURCES I LP | DALE YODER 4H | 39.8918702 | -81.3125591 | 39.8719603 | -81.2999401 |
| 09/04/2014 | NOBLE | BEAVER | 34121245270000 | Drilling | ECLIPSE RESOURCES I LP | DALE YODER 6H | 39.8918313 | -81.3125098 | 39.8729472 | -81.2976534 |
| 09/04/2014 | NOBLE | BEAVER | 34121245280000 | Drilling | ECLIPSE RESOURCES I LP | DALE YODER 8H | 39.8917923 | -81.3124570 | 39.8739341 | -81.2953667 |
| 08/21/2014 | NOBLE | SENECA | 34121245290000 | Drilling | ANTERO RESOURCES CORPORATION | BECKER UNIT 2H | 39.8649914 | -81.3711352 | 39.8856318 | -81.3869081 |
| 09/22/2014 | NOBLE | MARION | 34121245300000 | Drilling | ANTERO RESOURCES CORPORATION | DAILEY UNIT 2H | 39.8182081 | -81.3292419 | 39.7966108 | -81.3079616 |
| 09/19/2014 | NOBLE | MARION | 34121245310000 | Drilling | ANTERO RESOURCES CORPORATION | DAILEY UNIT 1H | 39.8182332 | -81.3292877 | 39.7959209 | -81.3095003 |
| 09/05/2014 | NOBLE | MARION | 34121245320000 | Drilling | ANTERO RESOURCES CORPORATION | SIBERIAN UNIT 1H | 39.8226828 | -81.3188020 | 39.7978566 | -81.3051961 |
| 09/05/2014 | NOBLE | MARION | 34121245330000 | Drilling | ANTERO RESOURCES CORPORATION | SIBERIAN UNIT 4H | 39.8226047 | -81.3186788 | 39.7999720 | -81.3004936 |
| 09/05/2014 | NOBLE | MARION | 34121245340000 | Permitted | ANTERO RESOURCES CORPORATION | SIBERIAN UNIT 5H | 39.8225796 | -81.3186365 | 39.8006807 | -81.2989188 |
| 09/05/2014 | NOBLE | MARION | 34121245350000 | Drilling | ANTERO RESOURCES CORPORATION | SIBERIAN UNIT 2H | 39.8226577 | -81.3187597 | 39.7985626 | -81.3036286 |
| 10/09/2014 | NOBLE | SENECA | 34121245410000 | Permitted | PDC ENERGY INC | MILEY 2H | 39.8527075 | -81.4575879 | 39.8716617 | -81.4693252 |
| 10/09/2014 | NOBLE | SENECA | 34121245420000 | Drilling | PDC ENERGY INC | MILEY 7H | 39.8526504 | -81.4576564 | 39.8685249 | -81.4732195 |
| 10/09/2014 | NOBLE | SENECA | 34121245430000 | Drilling | PDC ENERGY INC | MILEY 6H | 39.8526564 | -81.4577098 | 39.8649102 | -81.4736612 |
| 10/09/2014 | NOBLE | SENECA | 34121245440000 | Drilling | PDC ENERGY INC | MILEY 5H | 39.8526651 | -81.4577631 | 39.8643213 | -81.4763239 |
| 10/10/2014 | NOBLE | SENECA | 34121245450000 | Permitted | PDC ENERGY INC | MILEY 3H | 39.8527015 | -81.4575381 | 39.8732536 | -81.4673990 |
| 10/10/2014 | NOBLE | SENECA | 34121245460000 | Drilling | PDC ENERGY INC | MILEY 4H | 39.8526956 | -81.4574848 | 39.8748759 | -81.4655079 |
| 10/10/2014 | NOBLE | SENECA | 34121245470100 | Permitted | PDC ENERGY INC | MILEY 1H | 39.8527162 | -81.4576412 | 39.8714598 | -81.4722819 |
| 11/13/2014 | NOBLE | BEAVER | 34121245500000 | Drilling | GULFPORT ENERGY CORPORATION | BROWN 210044 3C | 39.9042886 | -81.2595753 | 39.8838555 | -81.2391635 |
| 11/13/2014 | NOBLE | BEAVER | 34121245510000 | Drilling | GULFPORT ENERGY CORPORATION | BROWN 210044 1A | 39.9043684 | -81.2595989 | 39.8840336 | -81.2475813 |
| 11/13/2014 | NOBLE | BEAVER | 34121245520000 | Drilling | GULFPORT ENERGY CORPORATION | BROWN 210044 2B | 39.9043271 | -81.2595854 | 39.8839419 | -81.2433707 |
| 12/05/2014 | NOBLE | JEFFERSON | 34121245530000 | Permitted | TRIAD HUNTER LLC | WOODCHOPPER 4UH | 39.6313043 | -81.4480684 | 39.6538918 | -81.4620809 |
| 12/05/2014 | NOBLE | JEFFERSON | 34121245540000 | Permitted | TRIAD HUNTER LLC | WOODCHOPPER 3 UH | 39.6313296 | -81.4481319 | 39.6472285 | -81.4608766 |
| 12/15/2014 | NOBLE | MARION | 34121245600000 | Permitted | ECLIPSE RESOURCES I LP | ROE A 1H | 39.8657576 | -81.3152670 | 39.8831220 | -81.3285557 |
| 12/15/2014 | NOBLE | MARION | 34121245610000 | Permitted | ECLIPSE RESOURCES I LP | ROE A 3H | 39.8658124 | -81.3152589 | 39.8841587 | -81.3262503 |
| 12/15/2014 | NOBLE | MARION | 34121245620000 | Permitted | ECLIPSE RESOURCES I LP | ROE A 5H | 39.8658673 | -81.3152544 | 39.8851981 | -81.3239413 |
| 12/15/2014 | NOBLE | MARION | 34121245630000 | Permitted | ECLIPSE RESOURCES I LP | ROE C 2H | 39.8668108 | -81.3151564 | 39.8534450 | -81.3069882 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 12/15/2014 | NOBLE | MARION | 34121245640000 | Permitted | ECLIPSE RESOURCES I LP | ROE C 6H | 39.8667011 | -81.3151690 | 39.8524694 | -81.2991079 |
| 12/15/2014 | NOBLE | MARION | 34121245650000 | Permitted | ECLIPSE RESOURCES I LP | ROE C 4H | 39.8667559 | -81.3151645 | 39.8535077 | -81.3034464 |
| 01/07/2015 | NOBLE | SENECA | 34121245680000 | Permitted | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES CO NBL18HHSU | 39.8383159 | -81.3932844 | 39.8210696 | -81.3789645 |
| 01/07/2015 | NOBLE | SENECA | 34121245690000 | Permitted | CNX GAS COMPANY LLC | RESERVE COAL PROPERTIES CO NBL18GHSU | 39.8382918 | -81.3933489 | 39.8192574 | -81.3821054 |
| 01/08/2015 | NOBLE | BEAVER | 34121245700000 | Permitted | ECLIPSE RESOURCES I LP | JOE MILLER A 3H | 39.8759764 | -81.2873532 | 39.8946982 | -81.3025845 |
| 01/08/2015 | NOBLE | BEAVER | 34121245710000 | Permitted | ECLIPSE RESOURCES I LP | JOE MILLER A 5H | 39.8760284 | -81.2873345 | 39.8956832 | -81.3003755 |
| 01/08/2015 | NOBLE | BEAVER | 34121245720000 | Permitted | ECLIPSE RESOURCES I LP | JOE MILLER A 7H | 39.8760804 | -81.2873193 | 39.8966709 | -81.2981665 |
| 01/08/2015 | NOBLE | BEAVER | 34121245730000 | Permitted | ECLIPSE RESOURCES I LP | JOE MILLER A 1H | 39.8759217 | -81.2873720 | 39.8937105 | -81.3048006 |
| 06/24/2011 | PORTAGE | SUFFIELD | 34133244140100 | Permitted | CHESAPEAKE EXPLORATION LLC | HOSEY POR 6H | 40.9949721 | -81.3367762 | 40.9744525 | -81.3251455 |
| 08/09/2011 | PORTAGE | PALMYRA | 34133244170100 | Permitted | CHESAPEAKE EXPLORATION LLC | HILLEGAS POR 6H | 41.1212462 | -81.0652370 | 41.1076574 | -81.0632280 |
| 11/21/2013 | PORTAGE | SUFFIELD | 34133244200100 | Drilled | CHESAPEAKE EXPLORATION LLC | HOSEY POR 6H-X | 40.9949447 | -81.3367767 | 40.9744525 | -81.3251455 |
| 11/02/2011 | PORTAGE | FREEDOM | 34133244230100 | Drilled | CHESAPEAKE EXPLORATION LLC | MURVAY POR 8H | 41.2196006 | -81.1702585 | 41.2110887 | -81.1660176 |
| 04/24/2012 | PORTAGE | PALMYRA | 34133244280100 | Permitted | CHESAPEAKE EXPLORATION LLC | HILLEGAS POR 1H | 41.1211647 | -81.0653077 | 41.1314032 | -81.0776431 |
| 02/14/2012 | PORTAGE | ROOTSTOWN | 34133244300100 | Producing | CNX GAS COMPANY LLC | ASHER PORT2AHSU | 41.1029922 | -81.2567818 | 41.0906261 | -81.2469357 |
| 03/07/2012 | PORTAGE | FREEDOM | 34133244310000 | Permitted | CHESAPEAKE EXPLORATION LLC | MURVAY POR 3H | 41.2196630 | -81.1704354 | 41.2339855 | -81.1808765 |
| 07/13/2012 | PORTAGE | HIRAM | 34133244390000 | Permitted | MOUNTAINEER KEYSTONE LLC | BROOKOVER 17-05-07 201 | 41.3217826 | -81.1279002 | 41.3383907 | -81.1342438 |
| 07/25/2012 | PORTAGE | WINDHAM | 34133244400100 | Producing | MOUNTAINEER KEYSTONE LLC | SOINSKI 99-04-06 201 | 41.2699502 | -81.0280679 | 41.2590294 | -81.0200438 |
| 07/26/2012 | PORTAGE | WINDHAM | 34133244410000 | Producing | MOUNTAINEER KEYSTONE LLC | SOINSKI 99-04-06 202 | 41.2700052 | -81.0280703 | 41.2586035 | -81.0155209 |
| 12/27/2012 | PORTAGE | NELSON | 34133244430000 | Drilling | MOUNTAINEER KEYSTONE LLC | SOINSKI 211-214 213 | 41.2762243 | -81.0131803 | 41.2926687 | -81.0250737 |
| 12/27/2012 | PORTAGE | NELSON | 34133244440000 | Drilled | MOUNTAINEER KEYSTONE LLC | SOINSKI 211-214 212 | 41.2762762 | -81.0131609 | 41.2952503 | -81.0238875 |
| 09/17/2012 | PORTAGE | NELSON | 34133244450100 | Drilled | MOUNTAINEER KEYSTONE LLC | SOINSKI 211-214 214 | 41.2763242 | -81.0132581 | 41.2915505 | -81.0273734 |
| 12/27/2012 | PORTAGE | NELSON | 34133244460000 | Producing | MOUNTAINEER KEYSTONE LLC | SOINSKI 211-214 211 | 41.2763309 | -81.0131451 | 41.2975355 | -81.0224822 |
| 05/17/2013 | PORTAGE | NELSON | 34133244530000 | Permitted | MOUNTAINEER KEYSTONE LLC | SOINSKI DALE 215 | 41.2761177 | -81.0132154 | 41.2925282 | -81.0265436 |
| 11/25/2011 | STARK | MARLBORO | 34151257350000 | Producing | ENERVEST OPERATING L | FRANK UNIT 2-H | 40.9494315 | -81.1892723 | 40.9324368 | -81.1766220 |
| 07/28/2011 | STARK | OSNABURG | 34151257470100 | Producing | CHESAPEAKE EXPLORATION LLC | DREVON 29-18-7 8H | 40.7406092 | -81.2833152 | 40.7260472 | -81.2726167 |
| 11/08/2011 | STARK | WASHINGTON | 34151257670100 | Drilled | CHESAPEAKE EXPLORATION LLC | PARADISE VALLEY FARMS 17-18-6 8H | 40.8688456 | -81.1667266 | 40.8544746 | -81.1561374 |
| 11/16/2011 | STARK | BETHLEHEM | 34151257680100 | Drilled | CHESAPEAKE EXPLORATION LLC | SOEHNLEN 2-9-9 8H | 40.7295289 | -81.4537305 | 40.7166385 | -81.4442183 |
| 05/17/2012 | STARK | SANDY | 34151257730000 | Permitted | CHESAPEAKE EXPLORATION LLC | COLT 6-17-7 8H | 40.7226566 | -81.3127182 | 40.7083094 | -81.3020845 |
| 03/19/2012 | STARK | PARIS | 34151257740100 | Drilled | CHESAPEAKE EXPLORATION LLC | RONALD SMITH 3-17-6 3H | 40.8018249 | -81.1336481 | 40.8139800 | -81.1426074 |
| 02/14/2012 | STARK | OSNABURG | 34151257760000 | Permitted | CHESAPEAKE EXPLORATION LLC | DREVON 29-18-7 6H | 40.7405153 | -81.2832700 | 40.7262124 | -81.2772864 |
| 02/27/2012 | STARK | LEXINGTON | 34151257780000 | Permitted | CHESAPEAKE EXPLORATION LLC | KELLER 21-19-6 5H | 40.9363130 | -81.1567369 | 40.9521369 | -81.1641021 |
| 03/23/2012 | STARK | BETHLEHEM | 34151257790100 | Drilled | ENERVEST OPERATING L | HABRUN 5H | 40.6625295 | -81.5005189 | 40.6467417 | -81.4888673 |
| 03/19/2012 | STARK | PARIS | 34151257800000 | Permitted | CHESAPEAKE EXPLORATION LLC | RONALD SMITH 3-17-6 1H | 40.8017927 | -81.1337174 | 40.8129178 | -81.1461157 |
| 05/23/2012 | STARK | PARIS | 34151257980000 | Drilled | CHESAPEAKE EXPLORATION LLC | FERNANDEZ 24-17-6 3H | 40.7658878 | -81.0959870 | 40.7765938 | -81.1038167 |
| 05/22/2012 | STARK | MARLBORO | 34151258010000 | Permitted | CHESAPEAKE EXPLORATION LLC | GRESSINGER 3-20-7 8H | 40.9871366 | -81.2399394 | 40.9744059 | -81.2305625 |
| 07/23/2012 | STARK | PIKE | 34151258090000 | Permitted | ENERVEST OPERATING L | SOEHNLEN 1H | 40.6759309 | -81.3865038 | 40.6897043 | -81.3979714 |
| 06/21/2012 | TRUMBULL | VIENNA | 34155240560100 | Permitted | CNX GAS COMPANY LLC | WOLLMAN TRUM3AHSU | 41.2324574 | -80.6258407 | 41.2484065 | -80.6308426 |
| 11/02/2012 | TRUMBULL | HARTFORD | 34155240570100 | Producing | HALCON OPERATING COMPANY INC | BRUGLER 1H | 41.3478145 | -80.5538053 | 41.3374781 | -80.5440183 |
| 02/01/2013 | TRUMBULL | LORDSTOWN | 34155240640100 | Producing | HALCON OPERATING COMPANY INC | KIBLER 1H | 41.1762269 | -80.8124630 | 41.1931539 | -80.8237568 |
| 08/28/2014 | TRUMBULL | JOHNSTON | 34155240660100 | Producing | ENERVEST OPERATING L | LENNINGTON 1H | 41.3549216 | -80.6584488 | 41.3687690 | -80.6669556 |
| 08/28/2014 | TRUMBULL | HARTFORD | 34155240680000 | Producing | HALCON OPERATING COMPANY INC | BUCKEYE 1H | 41.3142807 | -80.5849060 | 41.3274435 | -80.5889946 |
| 07/28/2014 | TRUMBULL | MECCA | 34155240690100 | Drilled | BRAMMER ENGINEERING INC | MORRISON 1H | 41.3898399 | -80.8088332 | 41.3762425 | -80.8025834 |
| 04/29/2013 | TRUMBULL | VIENNA | 34155240700100 | Producing | HALCON OPERATING COMPANY INC | AVALON 1H | 41.2408556 | -80.7002641 | 41.2634413 | -80.7016946 |
| 07/21/2014 | TRUMBULL | VERNON | 34155240710000 | Drilled | BRAMMER ENGINEERING INC | DUNBAR 1H | 41.4082967 | -80.5891316 | 41.3886279 | -80.5762532 |
| 06/20/2014 | TRUMBULL | WARREN | 34155240720000 | Drilling | HALCON OPERATING COMPANY INC | LUTZ 1H | 41.2139723 | -80.8975211 | 41.1966323 | -80.8916956 |
| 08/28/2014 | TRUMBULL | MECCA | 34155240730000 | Producing | HALCON OPERATING COMPANY INC | ZEROVICH 1H | 41.4119533 | -80.7317310 | 41.3978033 | -80.7228414 |
| 07/10/2014 | TRUMBULL | JOHNSTON | 34155240770000 | Drilled | BP AMERICA PRODUCTION COMPANY | JEWETT 1H | 41.4132495 | -80.6733822 | 41.4315535 | -80.6883636 |
| 09/24/2013 | TRUMBULL | LORDSTOWN | 34155240800000 | Producing | HALCON OPERATING COMPANY INC | KIBLER 2-3H | 41.1762275 | -80.8123177 | 41.1968464 | -80.8132068 |
| 10/11/2013 | TRUMBULL | LORDSTOWN | 34155240810000 | Permitted | HALCON OPERATING COMPANY INC | KIBLER 2-1H | 41.1763384 | -80.8123875 | 41.1968647 | -80.8197336 |
| 10/11/2013 | TRUMBULL | LORDSTOWN | 34155240820000 | Permitted | HALCON OPERATING COMPANY INC | KIBLER 2-2H | 41.1762254 | -80.8121724 | 41.1968557 | -80.8164811 |
| 11/01/2013 | TRUMBULL | LORDSTOWN | 34155240830000 | Permitted | HALCON OPERATING COMPANY INC | KIBLER 1-2H | 41.1763362 | -80.8122422 | 41.1946030 | -80.8277031 |
| 07/22/2011 | TUSCARAWAS | WARREN | 34157254830100 | Producing | CHESAPEAKE EXPLORATION LLC | GRIBI 1-9-1 3H | 40.5733427 | -81.3283402 | 40.5864851 | -81.3416687 |
| 10/19/2011 | TUSCARAWAS | AUBURN | 34157254850100 | Producing | CNX GAS COMPANY LLC | TROYER TUSC3AHSU | 40.4421179 | -81.6594372 | 40.4295112 | -81.6499911 |
| 11/22/2011 | TUSCARAWAS | WAYNE | 34157254900100 | Permitted | CHESAPEAKE EXPLORATION LLC | KATE 4-10-4 8H | 40.6168379 | -81.6489857 | 40.6024924 | -81.6383652 |
| 09/03/2014 | TUSCARAWAS | CLAY | 34157254940000 | Drilling | ENERVEST OPERATING L | NETTLE 3H | 40.2951491 | -81.4363451 | 40.3095106 | -81.4468733 |
| 11/10/2014 | TUSCARAWAS | WARREN | 34157254950000 | Drilling | CHESAPEAKE EXPLORATION LLC | MIZER 29-15-7 1H | 40.5402663 | -81.3032029 | 40.5567485 | -81.3209125 |
| 04/17/2012 | TUSCARAWAS | PERRY | 34157254960100 | Permitted | CHESAPEAKE EXPLORATION LLC | DUTCH VALLEY 7-5-1 1H | 40.2632236 | -81.3957182 | 40.2761071 | -81.4100236 |
| 05/22/2012 | TUSCARAWAS | WARREN | 34157254970000 | Permitted | CHESAPEAKE EXPLORATION LLC | G MIZER 34-15-7 5H | 40.5288040 | -81.3088774 | 40.5446044 | -81.3159209 |
| 08/15/2014 | TUSCARAWAS | BUCKS | 34157254990100 | Producing | CNX GAS COMPANY LLC | BEACHY TUSC8AHSU | 40.4294288 | -81.6735271 | 40.4485517 | -81.6870189 |
| 11/09/2012 | TUSCARAWAS | BUCKS | 34157255000100 | Permitted | CNX GAS COMPANY LLC | HARTZLER TUSC7CHSU | 40.4251875 | -81.6577435 | 40.4421570 | -81.6640138 |
| 08/06/2012 | TUSCARAWAS | MILL | 34157255010100 | Permitted | SIERRA RESOURCES LLC | KLESKI 21-13-7 1H | 40.3338156 | -81.2877573 | 40.3520493 | -81.2929408 |
| 10/11/2012 | TUSCARAWAS | BUCKS | 34157255020000 | Permitted | CNX GAS COMPANY LLC | BEACHY TUSC8BHSU | 40.4294448 | -81.6734586 | 40.4425503 | -81.6781067 |
| 03/04/2013 | TUSCARAWAS | CLAY | 34157255030100 | Permitted | CNX GAS COMPANY LLC | MOLLET TUSC11AHSU | 40.3169978 | -81.4931587 | 40.3248670 | -81.4974048 |
| 11/09/2012 | TUSCARAWAS | BUCKS | 34157255040000 | Permitted | CNX GAS COMPANY LLC | HARTZLER TUSC7BHSU | 40.4251355 | -81.6577585 | 40.4422896 | -81.6686395 |
| 11/09/2012 | TUSCARAWAS | BUCKS | 34157255050000 | Permitted | CNX GAS COMPANY LLC | HARTZLER TUSC7AHSU | 40.4250807 | -81.6577735 | 40.4422138 | -81.6733254 |
| 11/05/2013 | TUSCARAWAS | PERRY | 34157255080000 | Producing | CHESAPEAKE EXPLORATION LLC | PARKER 23-5-1 3H | 40.2161506 | -81.3932337 | 40.2292866 | -81.4026394 |
| 09/03/2014 | TUSCARAWAS | CLAY | 34157255100000 | Permitted | ENERVEST OPERATING L | NETTLE 5H | 40.2951538 | -81.4362554 | 40.3104792 | -81.4432651 |
| 06/04/2014 | TUSCARAWAS | CLAY | 34157255120000 | Permitted | ENERVEST OPERATING L | TROYER 9H | 40.3284752 | -81.4851308 | 40.3145953 | -81.4749426 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 10/22/2014 | TUSCARAWAS | PERRY | 34157255140000 | Drilling | CHESAPEAKE EXPLORATION LLC | PARKER 23-5-1 101H | 40.2161527 | -81.3934485 | 40.2296882 | -81.4110097 |
| 10/30/2014 | TUSCARAWAS | PERRY | 34157255150000 | Drilling | CHESAPEAKE EXPLORATION LLC | DUTCH VALLEY 7-5-1 2H | 40.2629841 | -81.3956505 | 40.2836816 | -81.4158535 |
| 04/24/2013 | WASHINGTON | AURELIUS | 34167297200100 | Producing | TRIAD HUNTER LLC | FARLEY 1305H | 39.6189417 | -81.4193253 | 39.6364464 | -81.4334747 |
| 04/30/2013 | WASHINGTON | ADAMS | 34167297210100 | Producing | PDC ENERGY INC | GARVIN 1H | 39.5627842 | -81.5070819 | 39.5758069 | -81.5070778 |
| 04/24/2013 | WASHINGTON | AURELIUS | 34167297230000 | Producing | TRIAD HUNTER LLC | FARLEY 1304H | 39.6188974 | -81.4192834 | 39.6364078 | -81.4292568 |
| 04/24/2013 | WASHINGTON | AURELIUS | 34167297240000 | Drilled | TRIAD HUNTER LLC | FARLEY 1306H | 39.6188558 | -81.4192414 | 39.6364433 | -81.4376613 |
| 01/08/2014 | WASHINGTON | AURELIUS | 34167297240100 | Drilled | TRIAD HUNTER LLC | FARLEY 1306 AH | 39.6188558 | -81.4192414 | 39.6345462 | -81.4361669 |
| 05/28/2013 | WASHINGTON | WATERFORD | 34167297250000 | Producing | PDC ENERGY INC | NEILL 1-H | 39.5323372 | -81.6770323 | 39.5455479 | -81.6917674 |
| 08/23/2013 | WASHINGTON | ADAMS | 34167297290000 | Producing | PDC ENERGY INC | GARVIN 2H | 39.5628220 | -81.5070104 | 39.5764010 | -81.5097799 |
| 11/29/2013 | WASHINGTON | ADAMS | 34167297300000 | Producing | PDC ENERGY INC | GARVIN 3H | 39.5628220 | -81.5070104 | 39.5829747 | -81.5127630 |
| 05/30/2014 | WASHINGTON | SALEM | 34167297320100 | Drilled | EM ENERGY OHIO LLC | MERLIN 10PPH | 39.5449832 | -81.4010773 | 39.5596823 | -81.4220966 |
| 10/08/2013 | WASHINGTON | WATERFORD | 34167297330000 | Permitted | PDC ENERGY INC | NEILL 2H | 39.5322542 | -81.6769482 | 39.5417283 | -81.6929001 |
| 06/02/2014 | WASHINGTON | SALEM | 34167297430100 | Permitted | EM ENERGY OHIO LLC | MERLIN 8PPH | 39.5450214 | -81.4010555 | 39.5590616 | -81.4158634 |
| 07/24/2014 | WASHINGTON | FEARING | 34167297440100 | Permitted | EM ENERGY OHIO LLC | ICEMAN 2-PPH | 39.4853135 | -81.4282915 | 39.4724698 | -81.4171198 |
| 07/24/2014 | WASHINGTON | FEARING | 34167297450100 | Permitted | EM ENERGY OHIO LLC | ICEMAN 4-PPH | 39.4853461 | -81.4282591 | 39.4736518 | -81.4148980 |
| 09/10/2014 | WASHINGTON | ADAMS | 34167297460000 | Permitted | PDC ENERGY INC | GROVE 3H | 39.5655500 | -81.5178973 | 39.5841555 | -81.5196193 |
| 09/10/2014 | WASHINGTON | ADAMS | 34167297470000 | Permitted | PDC ENERGY INC | GROVE 4H | 39.5655496 | -81.5178441 | 39.5840914 | -81.5172287 |
| 09/10/2014 | WASHINGTON | ADAMS | 34167297480000 | Permitted | PDC ENERGY INC | GROVE 2H | 39.5655505 | -81.5179505 | 39.5842222 | -81.5220063 |
| 09/10/2014 | WASHINGTON | ADAMS | 34167297490000 | Permitted | PDC ENERGY INC | GROVE 1H | 39.5655509 | -81.5180037 | 39.5842861 | -81.5243970 |
| 06/11/2012 | WAYNE | EAST UNION | 34169256690100 | Producing | DEVON ENERGY PRODUCTION CO | HERSHBERGER 1H | 40.7291477 | -81.8366410 | 40.7442629 | -81.8397090 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 1781 Horizontal Permits - 1324 Drilled | | | | | | | | | | |