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

UTICA/POINT PLEASANT SHALE WELLS

Updated 10/11/2014

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	39.9773526	-80.8380489	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	Permitted	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	39.8905637	-81.1709048	39.8687881	-81.1568944
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	39.8931940	-80.8919503
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	HESS OHIO RESOURCES 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	39.8920897	-80.8953120
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	39.9359256	-81.2324202
06/17/2013	BELMONT	SOMERSET	34013206830000	Drilled	GULFPORT ENERGY CORPORATION	INHERST 2-14H	39.8893900	-81.1768506	39.8672793	-81.1630089
06/17/2013	BELMONT	SOMERSET	34013206840000	Drilled	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	40.0869976	-81.1153474
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	40.0870841	-81.1098843
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	Drilled	GULFPORT ENERGY CORPORATION	INHERST 3-14H	39.8893906	-81.1769040	39.8673628	-81.1660037
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	39.9160039	-81.1965810
07/10/2013	BELMONT	KIRKWOOD	34013207050000	Drilled	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	Drilled	HESS OHIO DEVELOPMENTS LLC	KIRKWOOD A 1H-33	40.0783822	-81.2249889	40.0607937	-81.2190277
07/23/2013	BELMONT	KIRKWOOD	34013207120000	Drilled	HESS OHIO DEVELOPMENTS LLC	KIRKWOOD A 2H-33	40.0784116	-81.2249205	40.0606549	-81.2143678
07/29/2013	BELMONT	KIRKWOOD	34013207130000	Drilled	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	Drilled	RICE DRILLING D LLC	BIGFOOT 9H	40.0252466	-80.9798618	40.0449950	-80.9932747
10/22/2013	BELMONT	SOMERSET	34013207160000	Drilled	GULFPORT ENERGY CORPORATION	WESLEY 2-8H	39.8925888	-81.1587515	39.8649505	-81.1436189
10/22/2013	BELMONT	SOMERSET	34013207170000	Drilled	GULFPORT ENERGY CORPORATION	WESLEY 1-8H	39.8925502	-81.1587380	39.8648286	-81.1394992
11/12/2013	BELMONT	WARREN	34013207190000	Drilling	HESS OHIO DEVELOPMENTS LLC	WARREN BEL A 2H-21	39.9847689	-81.1959545	40.0023745	-81.2220758
11/05/2013	BELMONT	SMITH	34013207210000	Permitted	RICE DRILLING D LLC	BLUE THUNDER 10H	40.0244577	-81.0039479	40.0008168	-80.9904992
11/05/2013	BELMONT	SMITH	34013207220000	Permitted	RICE DRILLING D LLC	BLUE THUNDER 12H	40.0244566	-81.0038587	40.0015053	-80.9889564
11/12/2013	BELMONT	WARREN	34013207250000	Drilling	HESS OHIO DEVELOPMENTS LLC	WARREN BEL A 1H-21	39.9847419	-81.1959942	40.0012088	-81.2247103
11/12/2013	BELMONT	WARREN	34013207260000	Drilling	HESS OHIO DEVELOPMENTS LLC	WARREN BEL A 3H-21	39.9847987	-81.1959146	40.0047399	-81.2209613
11/12/2013	BELMONT	WARREN	34013207270000	Drilling	HESS OHIO DEVELOPMENTS LLC	WARREN BEL A 4H-21	39.9848257	-81.1958785	40.0063174	-81.2188474

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	40.1642183	-81.0257948
04/15/2014	BELMONT	WAYNE	34013207310000	Permitted	GULFPORT ENERGY CORPORATION	PERKINS 4-4H	39.9112391	-81.0173790	39.9296940	-81.0205551
04/15/2014	BELMONT	WAYNE	34013207320000	Permitted	GULFPORT ENERGY CORPORATION	PERKINS 3-4H	39.9112411	-81.0173255	39.9293303	-81.0243751
04/15/2014	BELMONT	WAYNE	34013207330000	Drilling	GULFPORT ENERGY CORPORATION	PERKINS 2-4H	39.9112432	-81.0172720	39.9279966	-81.0274916
12/12/2013	BELMONT	WAYNE	34013207340000	Drilled	GULFPORT ENERGY CORPORATION	PERKINS 1-4H	39.9112453	-81.0172185	39.9256932	-81.0299046
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	Drilled	GULFPORT ENERGY CORPORATION	AMANDA 1-14H	39.8894268	-81.1701603	39.9119480	-81.1812913
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	Permitted	GULFPORT ENERGY CORPORATION	AMANDA 4-14H	39.8893736	-81.1703038	39.9135033	-81.1958899
01/24/2014	BELMONT	SOMERSET	34013207410000	Permitted	GULFPORT ENERGY CORPORATION	BAHMER 3-30H	39.9485676	-81.2046845	39.9271641	-81.1832777
01/24/2014	BELMONT	SOMERSET	34013207420000	Drilling	GULFPORT ENERGY CORPORATION	BAHMER 2-30H	39.9485265	-81.2046924	39.9217722	-81.1835439
01/24/2014	BELMONT	SOMERSET	34013207430000	Drilling	GULFPORT ENERGY CORPORATION	BAHMER 1-30H	39.9484882	-81.2047002	39.9193282	-81.1859541
07/23/2014	BELMONT	SMITH	34013207460000	Drilling	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	Permitted	GULFPORT ENERGY CORPORATION	HAYES 3-1H	40.0447989	-81.1205758	40.0254148	-81.1113871
02/10/2014	BELMONT	KIRKWOOD	34013207490000	Drilled	GULFPORT ENERGY CORPORATION	HAYES 1-1H	40.0448059	-81.1204685	40.0280086	-81.1055356
02/10/2014	BELMONT	KIRKWOOD	34013207500000	Drilling	GULFPORT ENERGY CORPORATION	HAYES 2-1H	40.0448010	-81.1205221	40.0266647	-81.1084267
02/10/2014	BELMONT	KIRKWOOD	34013207510000	Permitted	GULFPORT ENERGY CORPORATION	HAYES 4-1H	40.0447968	-81.1206294	40.0241676	-81.1143438
03/13/2014	BELMONT	SOMERSET	34013207520000	Drilling	GULFPORT ENERGY CORPORATION	BROTHERS 1-36H	39.9504961	-81.2197945	39.9394956	-81.2088338
04/21/2014	BELMONT	SOMERSET	34013207530000	Drilling	GULFPORT ENERGY CORPORATION	BROTHERS 2-36H	39.9505356	-81.2196403	39.9382213	-81.2117963
03/13/2014	BELMONT	SOMERSET	34013207540000	Permitted	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	Permitted	GULFPORT ENERGY CORPORATION	DUVALL 1-5H	39.9278298	-81.1254857	39.9062671	-81.1111176
02/26/2014	BELMONT	SOMERSET	34013207580000	Drilling	GULFPORT ENERGY CORPORATION	DUVALL 2-5H	39.9278710	-81.1254849	39.9064012	-81.1154927
02/26/2014	BELMONT	SOMERSET	34013207590000	Drilling	GULFPORT ENERGY CORPORATION	DUVALL 3-5H	39.9279121	-81.1254805	39.9091990	-81.1217863
03/11/2014	BELMONT	UNION	34013207610000	Drilled	GULFPORT ENERGY CORPORATION	TRIPLE B 1-21H	40.0686075	-81.0743649	40.0873069	-81.0825622
03/11/2014	BELMONT	UNION	34013207620000	Permitted	GULFPORT ENERGY CORPORATION	TRIPLE B 2-21H	40.0686082	-81.0744184	40.0840585	-81.0893585
05/13/2014	BELMONT	UNION	34013207630000	Drilling	GULFPORT ENERGY CORPORATION	TRIPLE B 3-21H	40.0686095	-81.0745256	40.0870744	-81.0869668
04/15/2014	BELMONT	UNION	34013207640000	Drilling	GULFPORT ENERGY CORPORATION	SANDRA 1-31H	40.0408487	-81.1085101	40.0550083	-81.1116451
04/15/2014	BELMONT	UNION	34013207650000	Drilling	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	39.9922565	-80.8684290
04/07/2014	BELMONT	YORK	34013207680000	Drilled	XTO ENERGY INC.	SCHNEGG UNIT B 3H	39.8640645	-80.8616121	39.8544128	-80.8498448
07/03/2014	BELMONT	YORK	34013207690000	Permitted	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	39.9005500	-80.8565283
04/08/2014	BELMONT	YORK	34013207710000	Permitted	XTO ENERGY INC.	KASETA UNIT 3H	39.9155167	-80.8748437	39.8976622	-80.8660072
04/08/2014	BELMONT	YORK	34013207720000	Permitted	XTO ENERGY INC.	KASETA UNIT 1H	39.9154919	-80.8748371	39.8982328	-80.8626252
04/08/2014	BELMONT	YORK	34013207730000	Permitted	XTO ENERGY INC.	KASETA UNIT 5H	39.9155443	-80.8748537	39.9003034	-80.8600953
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	Permitted	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	Permitted	RICE DRILLING D LLC	SON-UVA DIGGER 5H	40.0119400	-80.9528217	40.0365250	-80.9686427
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	Permitted	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	Permitted	GULFPORT ENERGY CORPORATION	SWALLIE 210041 1C	40.0389596	-81.1389539	40.0565486	-81.1462399
05/22/2014	BELMONT	KIRKWOOD	34013207840000	Drilling	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
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	Permitted	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

06/26/2014	BELMONT	YORK	34013208070000	Permitted	XTO ENERGY INC.	KASETA UNIT B 2H	39.9155968	-80.8748739	39.9318198	-80.8821373
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	40.0765500	-81.0403661	40.0900047	-81.0400865
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	Drilling	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	39.9605684	-80.8458216
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
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	39.9224365	-81.2084767
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	Drilling	GULFPORT ENERGY CORPORATION	MCLAUGHLIN 210168 1A	39.9047176	-81.2033196	39.9177989	-81.2192021
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	Permitted	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
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	Permitted	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
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
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	40.7139268	-80.9613731	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	40.5371407	-80.9739386	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	34019221100000	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	40.7037977	-81.0204637
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	40.7057023	-81.0159553
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	Drilling	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	40.4911753	-80.9900583
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	40.4390064	-80.9752627	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	40.7002438	-80.9212044
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
05/30/2013	CARROLL	FOX	34019222600000	Permitted	CHESAPEAKE EXPLORATION LLC	CTF 32-13-4 3H	40.5736887	-80.9720271	40.5883579	-80.9826009
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	40.6399287	-81.0614479
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
12/21/2012	CARROLL	FOX	34019222900000	Permitted	CHESAPEAKE EXPLORATION LLC	CTF 32-13-4 1H	40.5736144	-80.9720108	40.5869605	-80.9859096
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
01/28/2013	CARROLL	FOX	34019223040000	Permitted	CHESAPEAKE EXPLORATION LLC	CTF 32-13-4 5H	40.5736768	-80.9719553	40.5897553	-80.9792957
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	40.4723823	-81.1203775
01/16/2014	CARROLL	PERRY	34019223080000	Drilled	CHESAPEAKE EXPLORATION LLC	RAY HAYLEY 5-13-6 6H	40.4520288	-81.1115457	40.4377797	-81.1033601
02/13/2014	CARROLL	PERRY	34019223090000	Drilled	CHESAPEAKE EXPLORATION LLC	RAY HAYLEY 5-13-6 10H	40.4520277	-81.1114523	40.4268940	-81.0876928
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	Drilled	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
05/13/2013	CARROLL	LOUDON	34019223890000	Permitted	CHESAPEAKE EXPLORATION LLC	STROPKI 20-12-4 1H	40.4882127	-80.9403878	40.5041457	-80.9550513
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	Drilled	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	Drilled	CHESAPEAKE EXPLORATION LLC	MITCHELL 34-13-5 8H	40.5207149	-81.0826226	40.5078243	-81.0743516
07/08/2013	CARROLL	UNION	34019224300000	Drilled	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	Drilled	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	40.5011488	-80.9620509
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	Drilled	R E GAS DEVELOPMENT LLC	JENKINS UNIT 5H	40.6081546	-81.0618871	40.5967043	-81.0532070
06/13/2013	CARROLL	WASHINGTON	34019224510000	Drilled	R E GAS DEVELOPMENT LLC	JENKINS UNIT 4H	40.6081470	-81.0619413	40.6251191	-81.0769224
06/13/2013	CARROLL	WASHINGTON	34019224520000	Drilled	R E GAS DEVELOPMENT LLC	JENKINS UNIT 3H	40.6081422	-81.0619954	40.5967123	-81.0531852
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	Drilled	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	40.5233467	-81.0372391
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	Drilled	CHESAPEAKE EXPLORATION LLC	JAVERSAK 28-12-5 1H	40.4351917	-81.0642617	40.4466903	-81.0784050
07/19/2013	CARROLL	PERRY	34019224750000	Drilling	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	Drilled	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	Drilled	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	Drilled	CHESAPEAKE EXPLORATION LLC	LAFFERTY 17-13-4 6H	40.6175441	-80.9177652	40.6012708	-80.9069799
02/21/2014	CARROLL	PERRY	34019225070000	Drilled	CHESAPEAKE EXPLORATION LLC	POINSETTIA 36-12-5 8H	40.4661790	-81.0830211	40.4514979	-81.0718484
02/21/2014	CARROLL	PERRY	34019225080000	Drilled	CHESAPEAKE EXPLORATION LLC	POINSETTIA 36-12-5 6H	40.4661798	-81.0830930	40.4504898	-81.0742166
02/04/2014	CARROLL	PERRY	34019225090000	Drilled	CHESAPEAKE EXPLORATION LLC	POINSETTIA 36-12-5 1H	40.4662480	-81.0830556	40.4807402	-81.0963762
10/22/2013	CARROLL	PERRY	34019225100000	Drilled	CHESAPEAKE EXPLORATION LLC	R MILLER 25-13-5 9H	40.4770893	-81.0771054	40.4646149	-81.0652737
10/28/2013	CARROLL	PERRY	34019225180000	Drilling	CHESAPEAKE EXPLORATION LLC	JAVERSAK 28-12-5 10H	40.4351686	-81.0641724	40.4200608	-81.0487369
10/28/2013	CARROLL	PERRY	34019225190000	Drilled	CHESAPEAKE EXPLORATION LLC	JAVERSAK 28-12-5 6H	40.4351511	-81.0643093	40.4180016	-81.0571648
10/28/2013	CARROLL	PERRY	34019225200000	Drilled	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	40.5605165	-80.9769658
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	40.5249397	-80.9526618
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	Drilled	R E GAS DEVELOPMENT LLC	GRUNDER 1H	40.6065349	-81.0845673	40.5916075	-81.0793719
11/07/2013	CARROLL	WASHINGTON	34019225290000	Drilled	R E GAS DEVELOPMENT LLC	GRUNDER 9H	40.6065818	-81.0843610	40.5960465	-81.0707634
11/07/2013	CARROLL	WASHINGTON	34019225300000	Drilled	R E GAS DEVELOPMENT LLC	GRUNDER 3H	40.6065480	-81.0845166	40.5926688	-81.0775090
01/27/2014	CARROLL	UNION	34019225310000	Drilled	CHESAPEAKE EXPLORATION LLC	STANTON 29-13-5 1H	40.5376439	-81.0562039	40.5573058	-81.0747992
01/27/2014	CARROLL	UNION	34019225320000	Drilling	CHESAPEAKE EXPLORATION LLC	STANTON 29-13-5 3H	40.5376540	-81.0561318	40.5582392	-81.0725980
01/27/2014	CARROLL	UNION	34019225330000	Drilling	CHESAPEAKE EXPLORATION LLC	STANTON 29-13-5 5H	40.5376668	-81.0560595	40.5591725	-81.0703968
01/27/2014	CARROLL	UNION	34019225340000	Drilled	CHESAPEAKE EXPLORATION LLC	STANTON 29-13-5 6H	40.5375727	-81.0562199	40.5153178	-81.0470159

12/02/2013	CARROLL	UNION	34019225350000	Drilled	CHESAPEAKE EXPLORATION LLC	STANTON 29-13-5 8H	40.5375828	-81.0561513	40.5168514	-81.0434789
12/02/2013	CARROLL	UNION	34019225360000	Drilled	CHESAPEAKE EXPLORATION LLC	STANTON 29-13-5 10H	40.5375929	-81.0560791	40.5168514	-81.0434789
12/26/2013	CARROLL	AUGUSTA	34019225370000	Drilled	CHESAPEAKE EXPLORATION LLC	KINSEY 21-15-5 5H	40.6698267	-81.0377368	40.6836423	-81.0460258
12/04/2013	CARROLL	CENTER	34019225390000	Drilled	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	Permitted	CHESAPEAKE EXPLORATION LLC	LEGGETT 5-13-6 2H	40.4552352	-81.1018657	40.4756411	-81.1169884
08/07/2014	CARROLL	PERRY	34019225450000	Permitted	CHESAPEAKE EXPLORATION LLC	LEGGETT 5-13-6 8H	40.4552637	-81.1019549	40.4387749	-81.0882997
09/12/2014	CARROLL	PERRY	34019225460000	Permitted	CHESAPEAKE EXPLORATION LLC	LEGGETT 5-13-6 9H	40.4553186	-81.1019538	40.4396130	-81.0861477
08/13/2014	CARROLL	PERRY	34019225470000	Permitted	CHESAPEAKE EXPLORATION LLC	LEGGETT 5-13-6 4H	40.4553450	-81.1018634	40.4769785	-81.1138511
08/13/2014	CARROLL	PERRY	34019225480000	Drilling	CHESAPEAKE EXPLORATION LLC	LEGGETT 5-13-6 3H	40.4552901	-81.1018645	40.4763112	-81.1154215
11/26/2013	CARROLL	LOUDON	34019225490000	Drilled	CHESAPEAKE EXPLORATION LLC	LUCAS 35-11-4 10H	40.4494981	-80.9612739	40.4362634	-80.9467306
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	Drilled	R E GAS DEVELOPMENT LLC	GRUNDER 6H	40.6066108	-81.0844829	40.5944350	-81.0740644
12/09/2013	CARROLL	LOUDON	34019225550000	Drilled	CHESAPEAKE EXPLORATION LLC	TUCKOSH 35-11-4 5H	40.4414624	-80.9696445	40.4588590	-80.9759548
01/14/2014	CARROLL	LOUDON	34019225560000	Drilled	CHESAPEAKE EXPLORATION LLC	TUCKOSH 35-11-4 6H	40.4413232	-80.9697088	40.4260862	-80.9607081
01/14/2014	CARROLL	LOUDON	34019225570000	Drilling	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	40.6385060	-80.9192228
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	Permitted	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	Permitted	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	40.6401723	-80.9154387
03/10/2014	CARROLL	EAST	34019225780000	Drilled	CHESAPEAKE EXPLORATION LLC	G SALTSMAN 28-14-4 10H	40.6617486	-80.9358330	40.6409947	-80.9135667
04/03/2014	CARROLL	PERRY	34019225790000	Drilled	CHESAPEAKE EXPLORATION LLC	BAUER 14-14-6 210H	40.4951069	-81.1399930	40.4748481	-81.1192876
04/03/2014	CARROLL	PERRY	34019225800000	Drilled	CHESAPEAKE EXPLORATION LLC	BAUER 14-14-6 10H	40.4950549	-81.1400049	40.4732270	-81.1209855
04/03/2014	CARROLL	PERRY	34019225810000	Drilled	CHESAPEAKE EXPLORATION LLC	BAUER 14-14-6 8H	40.4950001	-81.1400168	40.4714876	-81.1256298
04/03/2014	CARROLL	PERRY	34019225820000	Drilled	CHESAPEAKE EXPLORATION LLC	BAUER 14-14-6 6H	40.4949454	-81.1400323	40.4656401	-81.1244852
04/17/2014	CARROLL	AUGUSTA	34019225850000	Drilled	CHESAPEAKE EXPLORATION LLC	LOZIER 14-15-5 205H	40.6859953	-81.0044664	40.7046171	-81.0097571
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	40.6634872	-80.9657178
05/14/2014	CARROLL	EAST	34019225900000	Drilled	CHESAPEAKE EXPLORATION LLC	HESTON 13-15-5 1H	40.6851697	-80.9790827	40.6981001	-80.9927849
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	40.6612493	-80.9620059
06/02/2014	CARROLL	FOX	34019225930000	Drilled	CHESAPEAKE EXPLORATION LLC	FORCIER 21-13-4 10H	40.5940219	-80.9249407	40.5756957	-80.9070490
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	-81.0104019
06/19/2014	CARROLL	AUGUSTA	34019225970000	Drilled	CHESAPEAKE EXPLORATION LLC	PIDGEON A 22-15-5 5H	40.6796572	-81.0144461	40.6947341	-81.0235511
06/25/2014	CARROLL	LEE	34019225990000	Drilling	CHESAPEAKE EXPLORATION LLC	KENNEDY 14-13-5 6H	40.4966795	-81.0298240	40.4734820	-81.0188149
06/25/2014	CARROLL	LEE	34019226000000	Permitted	CHESAPEAKE EXPLORATION LLC	KENNEDY 14-13-5 8H	40.4966814	-81.0297520	40.4744393	-81.0166331
06/19/2014	CARROLL	LEE	34019226010000	Drilling	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	Drilling	CHESAPEAKE EXPLORATION LLC	KENNEDY 14-13-5 1H	40.4966113	-81.0298578	40.5134780	-81.0487035
06/25/2014	CARROLL	LEE	34019226050000	Permitted	CHESAPEAKE EXPLORATION LLC	KENNEDY 14-13-5 10H	40.4966804	-81.0296801	40.4812060	-81.0187114
08/13/2014	CARROLL	PERRY	34019226060000	Permitted	CHESAPEAKE EXPLORATION LLC	LEGGETT 5-13-6 5H	40.4553999	-81.1018622	40.4776485	-81.1122841
08/26/2014	CARROLL	LOUDON	34019226090000	Permitted	CHESAPEAKE EXPLORATION LLC	WOODLAND 26-12-4 7H	40.4878688	-80.9510280	40.4683388	-80.9387755
08/26/2014	CARROLL	LOUDON	34019226100000	Permitted	CHESAPEAKE EXPLORATION LLC	WOODLAND 26-12-4 8H	40.4879236	-80.9510195	40.4690009	-80.9371999
08/26/2014	CARROLL	LOUDON	34019226110000	Permitted	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	Permitted	CHESAPEAKE EXPLORATION LLC	WOODLAND 26-12-4 1H	40.4878895	-80.9509340	40.5007550	-80.9668574

09/18/2014	CARROLL	LOUDON	34019226150000	Permitted	CHESAPEAKE EXPLORATION LLC	WOODLAND 26-12-4 4H	40.4879991	-80.9509171	40.5027053	-80.9606087
09/25/2014	CARROLL	AUGUSTA	34019226170000	Permitted	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
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	40.8550977	-80.5801663
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	40.8320150	-80.7684627	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	Drilled	CHESAPEAKE EXPLORATION LLC	BRICELAND TRUST 24-14-4 5H	40.6842064	-80.8759127	40.7145047	-80.8938420
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	40.8075601	-80.9200276
09/16/2013	COLUMBIANA	HANOVER	34029218050000	Drilled	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	Drilled	CHESAPEAKE EXPLORATION LLC	PITTS 22-14-4 3H	40.6852042	-80.9154025	40.6991039	-80.9249503
05/20/2013	COLUMBIANA	FRANKLIN	34029218140000	Drilled	CHESAPEAKE EXPLORATION LLC	PITTS 22-14-4 8H	40.6850658	-80.9153192	40.6709509	-80.9041797
12/17/2013	COLUMBIANA	FRANKLIN	34029218150000	Drilled	CHESAPEAKE EXPLORATION LLC	PITTS 22-14-4 6H	40.6850945	-80.9154087	40.6697882	-80.9076257
12/17/2013	COLUMBIANA	FRANKLIN	34029218160000	Drilled	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	Drilled	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	Drilled	CHESAPEAKE EXPLORATION LLC	JUDY BROWN 27-15-4 6H	40.7488452	-80.9023921	40.7319677	-80.8957794
07/23/2013	COLUMBIANA	HANOVER	34029218240000	Drilled	CHESAPEAKE EXPLORATION LLC	FRANK ZEHENTBAUER 26-15-4 10H	40.7471031	-80.8875731	40.7350647	-80.8753280
08/21/2013	COLUMBIANA	SALEM	34029218260000	Permitted	HILCORP ENERGY COMPANY	SALEM-GRUBBS 2H	40.8319741	-80.7684819	40.8215671	-80.7591013
08/21/2013	COLUMBIANA	SALEM	34029218270000	Permitted	HILCORP ENERGY COMPANY	SALEM-GRUBBS 3H	40.8319359	-80.7684973	40.8195772	-80.7627601
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	Drilled	CHESAPEAKE EXPLORATION LLC	PITTS 22-14-4 5H	40.6851755	-80.9153130	40.6993475	-80.9207099
12/26/2013	COLUMBIANA	FRANKLIN	34029218390000	Drilled	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	40.8084561	-80.8592498
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
10/26/2011	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	ANADARKO E & P ONSHORE LLC	CSPC COSH LINTON B-3H	40.1916812	-81.7686085	40.2019603	-81.7813904
05/22/2012	COSHOCTON	MILL CREEK	34031271900100	Producing	ANADARKO E & P ONSHORE LLC	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	ANADARKO E & P ONSHORE LLC	FREC GUER SPENCER A-1H	39.8719753	-81.6840387	39.8851479	-81.6892046
11/14/2011	GUERNSEY	SPENCER	34059242000000	Producing	ANADARKO E & P ONSHORE LLC	FREC GUER SPENCER A-5H	39.8720535	-81.6842231	39.8851626	-81.6929319
11/29/2013	GUERNSEY	SPENCER	34059242040000	Permitted	ANADARKO E & P ONSHORE LLC	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	Drilling	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	Drilling	GULFPORT ENERGY CORPORATION	RIPLEY 1-26H	40.1445584	-81.3053211	40.1317030	-81.2919418
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	39.9347864	-81.6216759
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	39.9325453	-81.6241291
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	Drilled	EQT PRODUCTION COMPANY	NCD3 580011	39.9221582	-81.6257859	39.9347877	-81.6347813
10/16/2013	GUERNSEY	SPENCER	34059242760100	Drilled	EQT PRODUCTION COMPANY	NCD3 580010	39.9221586	-81.6258394	39.9352059	-81.6393871
11/29/2013	GUERNSEY	SPENCER	34059242800100	Drilled	EQT PRODUCTION COMPANY	DOBECK 580015	39.9156681	-81.6328017	39.9351425	-81.6438455
09/24/2013	GUERNSEY	SPENCER	34059242850100	Drilling	EQT PRODUCTION COMPANY	DOBECK 580014	39.9157093	-81.6328012	39.9369210	-81.6494510
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	Drilling	GULFPORT ENERGY CORPORATION	MILLER 3-25H	40.1285681	-81.3110934	40.1482332	-81.3190766
07/23/2014	GUERNSEY	LONDONDERRY	34059242910100	Producing	GULFPORT ENERGY CORPORATION	MILLER 2-25H	40.1285270	-81.3110941	40.1461451	-81.3241130
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	Drilling	GULFPORT ENERGY CORPORATION	RIPLEY 4-26H	40.1446284	-81.3054523	40.1282615	-81.3008993
07/19/2013	GUERNSEY	LONDONDERRY	34059243020000	Drilling	GULFPORT ENERGY CORPORATION	RIPLEY 3-26H	40.1446060	-81.3054098	40.1292871	-81.2978275
07/19/2013	GUERNSEY	LONDONDERRY	34059243030000	Drilling	GULFPORT ENERGY CORPORATION	RIPLEY 2-26H	40.1445808	-81.3053637	40.1304951	-81.2948847
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
09/06/2013	GUERNSEY	MILLWOOD	34059243060000	Permitted	CHESAPEAKE EXPLORATION LLC	HD MCCLAIN 28-9-7 5H	40.0110415	-81.3136199	40.0204442	-81.3209505
11/19/2013	GUERNSEY	MILLWOOD	34059243080000	Drilled	CHESAPEAKE EXPLORATION LLC	HD MCCLAIN 28-9-7 7H	40.0110271	-81.3135524	40.0257197	-81.3200217
10/21/2013	GUERNSEY	SPENCER	34059243100100	Drilled	EQT PRODUCTION COMPANY	NCD3 580035	39.9221547	-81.6256790	39.9083535	-81.6197818
06/16/2014	GUERNSEY	WASHINGTON	34059243130100	Permitted	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
11/26/2013	GUERNSEY	RICHLAND	34059243200100	Permitted	CARRIZO (UTICA) LLC	MOHOROVICH WEST 1-H	39.9550580	-81.3778982	39.9750582	-81.3908848
03/19/2014	GUERNSEY	MILLWOOD	34059243250100	Drilling	ECLIPSE RESOURCES I LP	HAYES UNIT 8H	39.9973267	-81.3320763	39.9831506	-81.3160234
03/19/2014	GUERNSEY	MILLWOOD	34059243260100	Drilling	ECLIPSE RESOURCES I LP	HAYES UNIT 6H	39.9973816	-81.3320753	39.9821492	-81.3182780
03/19/2014	GUERNSEY	MILLWOOD	34059243270100	Permitted	ECLIPSE RESOURCES I LP	HAYES UNIT 2H	39.9974914	-81.3320735	39.9801465	-81.3227942
03/19/2014	GUERNSEY	MILLWOOD	34059243280100	Permitted	ECLIPSE RESOURCES I LP	HAYES UNIT 4H	39.9974365	-81.3320744	39.9811479	-81.3205362
03/17/2014	GUERNSEY	MILLWOOD	34059243300100	Permitted	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	Drilled	AMERICAN ENERGY UTICA LLC	SHUGERT DADDY WLS GR 1H	40.0050362	-81.4115535	40.0279302	-81.4280281
03/19/2014	GUERNSEY	WILLS	34059243350000	Drilled	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	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	Drilling	ECLIPSE RESOURCES I LP	PORA UNIT 2H	39.9814597	-81.3187822	39.9603866	-81.3080026
03/17/2014	GUERNSEY	MILLWOOD	34059243430000	Drilling	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	40.1067794	-81.2813790
07/16/2014	GUERNSEY	LONDONDERRY	34059243460100	Drilled	AMERICAN ENERGY UTICA LLC	LAKE WEST LND GR 2H	40.1483883	-81.2975354	40.1324920	-81.2875111
04/04/2014	GUERNSEY	MILLWOOD	34059243470100	Permitted	ECLIPSE RESOURCES I LP	FRITZ UNIT 7H	40.0084040	-81.3334250	40.0298637	-81.3416601
04/04/2014	GUERNSEY	MILLWOOD	34059243480100	Permitted	ECLIPSE RESOURCES I LP	FRITZ UNIT 5H	40.0083521	-81.3334509	40.0288593	-81.3439302
04/04/2014	GUERNSEY	MILLWOOD	34059243490100	Permitted	ECLIPSE RESOURCES I LP	FRITZ UNIT 3H	40.0083029	-81.3334767	40.0278549	-81.3462002
04/04/2014	GUERNSEY	MILLWOOD	34059243500100	Permitted	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	40.0013090	-81.2628078
05/09/2014	GUERNSEY	MILLWOOD	34059243520000	Drilled	R E GAS DEVELOPMENT LLC	J HALL UNIT 10H	39.9916587	-81.2601957	40.0013599	-81.2650308

03/28/2014	GUERNSEY	MILLWOOD	34059243530000	Drilled	R E GAS DEVELOPMENT LLC	J HALL UNIT 8H	39.9916261	-81.2602284	40.0034424	-81.2698844
03/28/2014	GUERNSEY	MILLWOOD	34059243540000	Drilling	R E GAS DEVELOPMENT LLC	J HALL UNIT 6H	39.9915935	-81.2602611	40.0034934	-81.2723930
03/28/2014	GUERNSEY	MILLWOOD	34059243550000	Drilling	R E GAS DEVELOPMENT LLC	J HALL UNIT 4H	39.9915637	-81.2602974	40.0017762	-81.2735800
03/28/2014	GUERNSEY	MILLWOOD	34059243560000	Permitted	R E GAS DEVELOPMENT LLC	J HALL UNIT 2H	39.9915311	-81.2603301	40.0010717	-81.2755236
04/04/2014	GUERNSEY	OXFORD	34059243570100	Permitted	ECLIPSE RESOURCES I LP	ANDY YODER A 5H	40.0338387	-81.3152052	40.0506704	-81.3283421
04/04/2014	GUERNSEY	OXFORD	34059243580100	Permitted	ECLIPSE RESOURCES I LP	ANDY YODER A 3H	40.0338394	-81.3152766	40.0501262	-81.3310340
04/04/2014	GUERNSEY	OXFORD	34059243590100	Permitted	ECLIPSE RESOURCES I LP	ANDY YODER A 1H	40.0338401	-81.3153481	40.0496289	-81.3337572
04/21/2014	GUERNSEY	OXFORD	34059243620000	Drilling	ECLIPSE RESOURCES I LP	ANDY YODER D 4H	40.0338415	-81.3154909	40.0192219	-81.3002976
04/21/2014	GUERNSEY	OXFORD	34059243630000	Drilling	ECLIPSE RESOURCES I LP	ANDY YODER D 6H	40.0338408	-81.3154195	40.0202684	-81.2979300
04/21/2014	GUERNSEY	OXFORD	34059243640000	Drilling	ECLIPSE RESOURCES I LP	ANDY YODER D 2H	40.0338423	-81.3155623	40.0181726	-81.3026615
04/23/2014	GUERNSEY	MILLWOOD	34059243650000	Drilling	ECLIPSE RESOURCES I LP	FRANK MILLER UNIT 6H	39.9950145	-81.3386684	39.9786404	-81.3261955
04/23/2014	GUERNSEY	MILLWOOD	34059243660000	Drilling	ECLIPSE RESOURCES I LP	FRANK MILLER UNIT 2H	39.9949359	-81.3387697	39.9765837	-81.3308335
04/23/2014	GUERNSEY	MILLWOOD	34059243670000	Drilling	ECLIPSE RESOURCES I LP	FRANK MILLER UNIT 4H	39.9949766	-81.3387190	39.9776121	-81.3285145
05/07/2014	GUERNSEY	MADISON	34059243690000	Drilling	AMERICAN ENERGY UTICA LLC	RED HILL FARM MDS GR 1H	40.1275402	-81.3459749	40.1470387	-81.3653602
05/07/2014	GUERNSEY	MADISON	34059243700000	Drilling	AMERICAN ENERGY UTICA LLC	RED HILL FARM MDS GR 3H	40.1274711	-81.3459331	40.1483289	-81.3622198
07/24/2014	GUERNSEY	OXFORD	34059243720100	Permitted	ECLIPSE RESOURCES I LP	WHEELER UNIT 7H	40.0392116	-81.2351877	40.0548416	-81.2452200
07/24/2014	GUERNSEY	OXFORD	34059243730100	Permitted	ECLIPSE RESOURCES I LP	WHEELER UNIT 9H	40.0391618	-81.2351565	40.0555857	-81.2426630
07/24/2014	GUERNSEY	OXFORD	34059243740100	Permitted	ECLIPSE RESOURCES I LP	WHEELER UNIT 5H	40.0392586	-81.2352226	40.0554503	-81.2487565
07/24/2014	GUERNSEY	OXFORD	34059243750100	Permitted	ECLIPSE RESOURCES I LP	WHEELER UNIT 1H	40.0393581	-81.2352850	40.0560174	-81.2553625
07/24/2014	GUERNSEY	OXFORD	34059243760100	Permitted	ECLIPSE RESOURCES I LP	WHEELER UNIT 3H	40.0393084	-81.2352538	40.0555997	-81.2519619
09/25/2014	GUERNSEY	LONDONDERRY	34059243770000	Drilling	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	40.1346366	-81.2825165
05/23/2014	GUERNSEY	LONDONDERRY	34059243790000	Drilled	AMERICAN ENERGY UTICA LLC	LAKE LND GR 4H	40.1483360	-81.2975220	40.1335643	-81.2850139
05/23/2014	GUERNSEY	OXFORD	34059243800000	Permitted	ECLIPSE RESOURCES I LP	BORTON A UNIT 2H	40.0531329	-81.2787274	40.0341504	-81.2683759
06/16/2014	GUERNSEY	OXFORD	34059243810100	Permitted	ECLIPSE RESOURCES I LP	BORTON C UNIT 8H	40.0532978	-81.2787531	40.0362823	-81.2588665
06/16/2014	GUERNSEY	OXFORD	34059243820100	Drilling	ECLIPSE RESOURCES I LP	BORTON C UNIT 6H	40.0532428	-81.2787433	40.0350041	-81.2618393
07/11/2014	GUERNSEY	OXFORD	34059243840100	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	40.1660694	-81.3120278	40.1504864	-81.2941113
07/11/2014	GUERNSEY	OXFORD	34059243870100	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	34059243890100	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	40.1054630	-81.2844302
06/13/2014	GUERNSEY	LONDONDERRY	34059243920000	Drilling	AMERICAN ENERGY UTICA LLC	LAWSON LND GR 6H	40.1277101	-81.2963671	40.1080929	-81.2783278
06/19/2014	GUERNSEY	OXFORD	34059243930000	Permitted	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
06/26/2014	GUERNSEY	RICHLAND	34059244010000	Drilling	CARRIZO (UTICA) LLC	MOHOROVICH WEST 8H	39.9546317	-81.3778195	39.9790647	-81.4003273
06/26/2014	GUERNSEY	RICHLAND	34059244020000	Drilling	CARRIZO (UTICA) LLC	RECTOR EAST 14H	39.9546699	-81.3778010	39.9791360	-81.4032487
08/07/2014	GUERNSEY	LONDONDERRY	34059244050000	Drilling	AMERICAN ENERGY UTICA LLC	CASTON LND GR 8H	40.1341835	-81.3276385	40.1177796	-81.3119435
08/07/2014	GUERNSEY	LONDONDERRY	34059244060000	Drilling	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	Permitted	ECLIPSE RESOURCES I LP	ABE TROYER 2H	40.0846089	-81.2651318	40.0690676	-81.2591446
08/08/2014	GUERNSEY	LONDONDERRY	34059244090000	Permitted	ECLIPSE RESOURCES I LP	ABE TROYER 6H	40.0846708	-81.2650127	40.0688663	-81.2525736
08/08/2014	GUERNSEY	LONDONDERRY	34059244100000	Permitted	ECLIPSE RESOURCES I LP	ABE TROYER 8H	40.0847031	-81.2649550	40.0687903	-81.2493020
08/08/2014	GUERNSEY	LONDONDERRY	34059244110000	Permitted	ECLIPSE RESOURCES I LP	ABE TROYER 10H	40.0847327	-81.2648972	40.0687116	-81.2460340
08/08/2014	GUERNSEY	LONDONDERRY	34059244120000	Permitted	ECLIPSE RESOURCES I LP	ABE TROYER 4H	40.0846385	-81.2650705	40.0689449	-81.2558417
09/17/2014	GUERNSEY	WILLS	34059244230000	Permitted	ECLIPSE RESOURCES I LP	LAW 4H	39.9908505	-81.3521364	39.9762088	-81.3378623
09/17/2014	GUERNSEY	MILLWOOD	34059244240000	Permitted	ECLIPSE RESOURCES I LP	LAW 6H	39.9908061	-81.3520908	39.9754031	-81.3338615
09/17/2014	GUERNSEY	WILLS	34059244250000	Permitted	ECLIPSE RESOURCES I LP	LAW 2H	39.9908921	-81.3521786	39.9750782	-81.3404112
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	Drilled	CHESAPEAKE EXPLORATION LLC	DODSON 28-11-5 8H	40.3505471	-81.0797142	40.3310734	-81.0655796
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	40.4149053	-81.1468154
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	Drilled	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	Drilled	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
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	Drilled	CHESAPEAKE EXPLORATION LLC	NM HARRISON 16-11-5 3H	40.3506235	-81.0414168	40.3683418	-81.0541366
10/24/2013	HARRISON	ARCHER	34067211300000	Drilled	CHESAPEAKE EXPLORATION LLC	NM HARRISON 16-11-5 6H	40.3505544	-81.0413789	40.3337707	-81.0335525
01/27/2014	HARRISON	ARCHER	34067211310000	Drilled	CHESAPEAKE EXPLORATION LLC	NM HARRISON 16-11-5 5H	40.3506613	-81.0413658	40.3696548	-81.0509498
10/24/2013	HARRISON	ARCHER	34067211320000	Drilled	CHESAPEAKE EXPLORATION LLC	NM HARRISON 16-11-5 8H	40.3505922	-81.0413278	40.3351125	-81.0305204
10/24/2013	HARRISON	ARCHER	34067211330000	Drilling	CHESAPEAKE EXPLORATION LLC	NM HARRISON 16-11-5 10H	40.3506299	-81.0412767	40.3381483	-81.0283549
09/26/2013	HARRISON	ARCHER	34067211340000	Drilled	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	Drilled	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	Drilled	CHESAPEAKE EXPLORATION LLC	RUBY 15-12-5 6H	40.4147281	-81.0246638	40.3944612	-81.0173962
07/16/2013	HARRISON	RUMLEY	34067211450000	Drilling	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	40.3817713	-80.9113148
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	40.1771224	-81.1761646
05/29/2013	HARRISON	MOOREFIELD	34067211560000	Producing	GULFPORT ENERGY CORPORATION	GUSTINA-BEAR 2-23H	40.1906085	-81.1864821	40.1760114	-81.1724612
05/29/2013	HARRISON	MOOREFIELD	34067211570000	Producing	GULFPORT ENERGY CORPORATION	GUSTINA-BEAR 3-23H	40.1906327	-81.1864387	40.1760114	-81.1724612
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	40.1578930	-81.0577930
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	40.1613701	-81.0546768
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	40.4065398	-81.1136027
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	40.4071859	-81.1209331
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	40.1959555	-81.2567468
06/19/2014	HARRISON	STOCK	34067211880000	Permitted	CHESAPEAKE EXPLORATION LLC	WRIGHT 35-11-5 3H	40.3600854	-81.1022377	40.3798244	-81.1150985
06/19/2014	HARRISON	STOCK	34067211890000	Permitted	CHESAPEAKE EXPLORATION LLC	WRIGHT 35-11-5 5H	40.3601403	-81.1022402	40.3797661	-81.1130070
06/19/2014	HARRISON	STOCK	34067211900000	Permitted	CHESAPEAKE EXPLORATION LLC	WRIGHT 35-11-5 6H	40.3599986	-81.1023221	40.3414630	-81.0896694
06/19/2014	HARRISON	STOCK	34067211910000	Drilling	CHESAPEAKE EXPLORATION LLC	WRIGHT 35-11-5 8H	40.3600535	-81.1023245	40.3414293	-81.0876073
06/19/2014	HARRISON	STOCK	34067211920000	Drilling	CHESAPEAKE EXPLORATION LLC	WRIGHT 35-11-5 10H	40.3601084	-81.1023270	40.3413955	-81.0855451
06/19/2014	HARRISON	STOCK	34067211930000	Permitted	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	40.2074492	-81.0206942
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	40.3395992	-81.0462103
04/30/2014	HARRISON	ARCHER	34067212020000	Drilling	CHESAPEAKE EXPLORATION LLC	HELEN HALTER 23-11-5 1H (3)	40.3598181	-81.0598119	40.3797030	-81.0777975
04/30/2014	HARRISON	ARCHER	34067212030000	Drilling	CHESAPEAKE EXPLORATION LLC	HELEN HALTER 23-11-5 3H (5)	40.3598503	-81.0597538	40.3802363	-81.0765405
04/30/2014	HARRISON	ARCHER	34067212040000	Drilling	CHESAPEAKE EXPLORATION LLC	HELEN HALTER 23-11-5 5H (10H)	40.3598853	-81.0596956	40.3807697	-81.0752871
04/30/2014	HARRISON	ARCHER	34067212050000	Drilling	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	Permitted	GULFPORT ENERGY CORPORATION	PUSKARICH 1-18H	40.2032961	-81.1628511	40.1928152	-81.1514986
06/13/2014	HARRISON	MOOREFIELD	34067212100000	Drilling	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	40.2002216	-81.0317697
10/29/2013	HARRISON	ATHENS	34067212150000	Drilled	HESS OHIO DEVELOPMENTS LLC	ATHENS B 3H-5	40.1791532	-81.0099533	40.2026486	-81.0290241
10/29/2013	HARRISON	ATHENS	34067212160000	Drilled	HESS OHIO DEVELOPMENTS LLC	ATHENS B 2H-5	40.1791825	-81.0098846	40.2041139	-81.0255799
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	40.2037942	-81.0214589
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

01/27/2014	HARRISON	RUMLEY	34067212340000	Drilled	CHESAPEAKE EXPLORATION LLC	ARBAUGH 31-11-4 1H	40.3818841	-80.9824848	40.3976312	-80.9980295
08/29/2013	HARRISON	FREEPORT	34067212350100	Permitted	CHEVRON APPALACHIA LLC	E CLARK SOUTH 7-25HD	40.2246335	-81.2998648	40.2141247	-81.2902461
08/29/2013	HARRISON	FREEPORT	34067212370000	Drilled	CHEVRON APPALACHIA LLC	E CLARK SOUTH 5-25HD	40.2244885	-81.2999139	40.2437545	-81.3146204
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	40.3987747	-80.9908546
01/27/2014	HARRISON	RUMLEY	34067212430000	Drilled	CHESAPEAKE EXPLORATION LLC	ARBAUGH 31-11-4 3H	40.3819365	-80.9825051	40.3992869	-80.9936761
10/31/2013	HARRISON	STOCK	34067212440100	Drilled	ECLIPSE RESOURCES I LP	MIZER UNIT 10H	40.3322439	-81.1167315	40.3193709	-81.1007340
10/31/2013	HARRISON	STOCK	34067212450100	Drilled	ECLIPSE RESOURCES I LP	MIZER UNIT 8H	40.3321949	-81.1167612	40.3183355	-81.1031621
10/31/2013	HARRISON	STOCK	34067212460100	Drilled	ECLIPSE RESOURCES I LP	MIZER UNIT 6H	40.3321431	-81.1167946	40.3173029	-81.1055901
10/31/2013	HARRISON	STOCK	34067212470100	Drilled	ECLIPSE RESOURCES I LP	MIZER UNIT 2H	40.3320450	-81.1168576	40.3163324	-81.1104231
10/31/2013	HARRISON	STOCK	34067212480100	Drilled	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	Permitted	ECLIPSE RESOURCES I LP	MIZER FARMS UNIT 7H	40.3024296	-81.0958112	40.3180360	-81.1026878
10/11/2013	HARRISON	STOCK	34067212540000	Permitted	ECLIPSE RESOURCES I LP	MIZER FARMS UNIT 5H	40.3024260	-81.0957395	40.3170833	-81.1049241
10/11/2013	HARRISON	STOCK	34067212550000	Permitted	ECLIPSE RESOURCES I LP	MIZER FARMS UNIT 3H	40.3023711	-81.0957407	40.3161333	-81.1071566
10/11/2013	HARRISON	STOCK	34067212560000	Permitted	ECLIPSE RESOURCES I LP	MIZER FARMS UNIT 9H	40.3024845	-81.0958064	40.3189859	-81.1004551
02/19/2014	HARRISON	STOCK	34067212570100	Permitted	ECLIPSE RESOURCES I LP	MIZER FARMS UNIT 1H	40.3023162	-81.0957454	40.3151833	-81.1093891
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	40.4306292	-81.1354317
04/17/2014	HARRISON	NORTH	34067212740000	Drilled	CHESAPEAKE EXPLORATION LLC	TRUSHELL 8-13-6 3H	40.4133002	-81.1243873	40.4313217	-81.1338836
04/17/2014	HARRISON	NORTH	34067212750000	Drilled	CHESAPEAKE EXPLORATION LLC	TRUSHELL 8-13-6 5H	40.4132638	-81.1243341	40.4320169	-81.1323318
03/18/2014	HARRISON	MOOREFIELD	34067212760000	Drilled	AMERICAN ENERGY UTICA LLC	RH HAMILTON S MRF HR 2H	40.2246697	-81.1787721	40.2024053	-81.1683536
01/23/2014	HARRISON	MOOREFIELD	34067212780000	Permitted	GULFPORT ENERGY CORPORATION	DAVIDSON 1-36H	40.2101466	-81.2088128	40.2242661	-81.2198209
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	40.3734581	-80.9754546
02/19/2014	HARRISON	STOCK	34067212840000	Drilling	ECLIPSE RESOURCES I LP	MADZIA UNIT 10H	40.3146346	-81.0871127	40.3040664	-81.0715705
02/19/2014	HARRISON	STOCK	34067212850000	Drilling	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	Drilling	ECLIPSE RESOURCES I LP	MADZIA UNIT 4H	40.3144986	-81.0869936	40.3007647	-81.0793246
02/19/2014	HARRISON	STOCK	34067212880000	Drilling	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	40.4377331	-81.1009000
02/10/2014	HARRISON	STOCK	34067212910000	Drilled	CHESAPEAKE EXPLORATION LLC	DODSON 28-11-5 6H	40.3504973	-81.0796830	40.3301401	-81.0677734
02/10/2014	HARRISON	STOCK	34067212920000	Producing	CHESAPEAKE EXPLORATION LLC	DODSON 28-11-5 10H	40.3505970	-81.0797491	40.3327021	-81.0638909
04/15/2014	HARRISON	GERMAN	34067212940000	Drilled	CHESAPEAKE EXPLORATION LLC	HALL 29-10-4 1H	40.3544597	-80.9617147	40.3735744	-80.9800500
02/18/2014	HARRISON	NORTH	34067212970000	Drilled	CHESAPEAKE EXPLORATION LLC	YODER NORTH 33-12-5 1H	40.4231133	-81.0885488	40.4367909	-81.1030934
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	Permitted	HESS OHIO DEVELOPMENTS LLC	ATHENS C 2H-19	40.2212708	-81.0534928	40.1982094	-81.0394499
03/10/2014	HARRISON	ATHENS	34067213030000	Drilling	HESS OHIO DEVELOPMENTS LLC	ATHENS C 3H-19	40.2212894	-81.0534458	40.1990887	-81.0373830
03/10/2014	HARRISON	ATHENS	34067213040000	Drilling	HESS OHIO DEVELOPMENTS LLC	ATHENS C 4H-19	40.2213507	-81.0530828	40.1999681	-81.0353195
03/10/2014	HARRISON	ATHENS	34067213050000	Drilling	HESS OHIO DEVELOPMENTS LLC	ATHENS C 5H-19	40.2213294	-81.0533518	40.2008474	-81.0332525
03/10/2014	HARRISON	ATHENS	34067213060000	Drilling	HESS OHIO DEVELOPMENTS LLC	ATHENS C 6H-19	40.2213507	-81.0533048	40.2017267	-81.0311853
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	Permitted	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	Drilling	AMERICAN ENERGY UTICA LLC	RH HAMILTON S MRF HR 8H	40.2248140	-81.1786654	40.2080513	-81.1664008
03/18/2014	HARRISON	MOOREFIELD	34067213150000	Drilling	AMERICAN ENERGY UTICA LLC	RH HAMILTON S MRF HR 10H	40.2248630	-81.1786322	40.2083749	-81.1635694
03/19/2014	HARRISON	CADIZ	34067213160000	Permitted	HESS OHIO DEVELOPMENTS LLC	CADIZ D 5H-8	40.2307384	-81.0237140	40.2111755	-81.0023075
03/25/2014	HARRISON	NORTH	34067213170000	Drilled	CHESAPEAKE EXPLORATION LLC	YODER 33-12-5 10H	40.4231204	-81.0884516	40.4060054	-81.0729415
03/19/2014	HARRISON	CADIZ	34067213180000	Permitted	HESS OHIO DEVELOPMENTS LLC	CADIZ D 1H-8	40.2306584	-81.0239020	40.2069143	-81.0127325

03/26/2014	HARRISON	CADIZ	34067213190000	Drilling	HESS OHIO DEVELOPMENTS LLC	CADIZ D 2H-8	40.2306770	-81.0238550	40.2079811	-81.0101272
03/26/2014	HARRISON	CADIZ	34067213200000	Drilling	HESS OHIO DEVELOPMENTS LLC	CADIZ D 3H-8	40.2306984	-81.0238080	40.2090451	-81.0075219
03/26/2014	HARRISON	CADIZ	34067213210000	Drilling	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	40.4299561	-81.1369974
04/30/2014	HARRISON	ARCHER	34067213240000	Drilling	CHESAPEAKE EXPLORATION LLC	HELEN HALTER 23-11-5 205H	40.3599175	-81.0596375	40.3813031	-81.0740336
04/30/2014	HARRISON	NORTH	34067213260000	Drilling	CHESAPEAKE EXPLORATION LLC	YODER 33-12-5 6H	40.4230663	-81.0885174	40.4034878	-81.0788665
04/30/2014	HARRISON	NORTH	34067213270000	Drilled	CHESAPEAKE EXPLORATION LLC	YODER 33-12-5 8H	40.4230733	-81.0884203	40.4044213	-81.0766705
08/12/2014	HARRISON	NOTTINGHAM	34067213280000	Drilling	AMERICAN ENERGY UTICA LLC	RH BSA S NTG HR 4H	40.2591101	-81.1531382	40.2438410	-81.1464174
08/12/2014	HARRISON	NOTTINGHAM	34067213290000	Drilling	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	Permitted	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	40.3425346	-80.8772393
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	Drilling	ECLIPSE RESOURCES I LP	JOHN MILLS WEST UNIT 3H	40.3144070	-81.0869131	40.3336093	-81.1035348
06/02/2014	HARRISON	STOCK	34067213430000	Drilling	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	Drilling	CHESAPEAKE EXPLORATION LLC	JAMAR 15-13-6 4H	40.4311984	-81.1419582	40.4528080	-81.1564740
07/14/2014	HARRISON	NORTH	34067213510000	Drilling	CHESAPEAKE EXPLORATION LLC	JAMAR 15-13-6 3H	40.4311550	-81.1420022	40.4521402	-81.1580435
07/14/2014	HARRISON	NORTH	34067213520000	Drilling	CHESAPEAKE EXPLORATION LLC	JAMAR 15-13-6 2H	40.4311116	-81.1420426	40.4514723	-81.1596129
07/10/2014	HARRISON	NORTH	34067213530000	Drilling	CHESAPEAKE EXPLORATION LLC	JAMAR 15-13-6 1H	40.4310655	-81.1420866	40.4508044	-81.1611823
07/11/2014	HARRISON	NORTH	34067213540000	Drilling	CHESAPEAKE EXPLORATION LLC	JAMAR 15-13-6 201H	40.4309786	-81.1421710	40.4494685	-81.1643210
07/10/2014	HARRISON	NORTH	34067213550000	Drilling	CHESAPEAKE EXPLORATION LLC	JAMAR 15-13-6 101H	40.4310220	-81.1421306	40.4501365	-81.1627517
07/18/2014	HARRISON	NORTH	34067213560000	Permitted	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	Permitted	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	Permitted	CHESAPEAKE EXPLORATION LLC	WRIGHT 35-11-5 205H	40.3601953	-81.1022426	40.3797049	-81.1109119
06/19/2014	HARRISON	STOCK	34067213610000	Drilling	CHESAPEAKE EXPLORATION LLC	WRIGHT 35-11-5 210H	40.3601634	-81.1023330	40.3413589	-81.0834830
08/11/2014	HARRISON	MOOREFIELD	34067213620000	Drilling	AMERICAN ENERGY UTICA LLC	RH HAMILTON N MRF HR 7H	40.2248177	-81.1787476	40.2509323	-81.1943855
08/11/2014	HARRISON	MOOREFIELD	34067213640000	Permitted	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	Permitted	AMERICAN ENERGY UTICA LLC	RH HAMILTON N MRF HR 1H	40.2246734	-81.1788508	40.2359239	-81.1941235
08/26/2014	HARRISON	RUMLEY	34067213680000	Permitted	CHESAPEAKE EXPLORATION LLC	MATTIE 18-11-5 8H	40.3718715	-81.0432888	40.3445245	-81.0229546
08/26/2014	HARRISON	RUMLEY	34067213690000	Permitted	CHESAPEAKE EXPLORATION LLC	MATTIE 18-11-5 7H	40.3718479	-81.0433826	40.3435654	-81.0252110
08/26/2014	HARRISON	RUMLEY	34067213700000	Permitted	CHESAPEAKE EXPLORATION LLC	MATTIE 18-11-5 6H	40.3718061	-81.0433333	40.3426063	-81.0274709
09/02/2014	HARRISON	FRANKLIN	34067213730000	Permitted	AMERICAN ENERGY UTICA LLC	TRIPLETT S FRK HR 2H	40.3207346	-81.2246237	40.3029812	-81.2133925
09/02/2014	HARRISON	FRANKLIN	34067213750000	Permitted	AMERICAN ENERGY UTICA LLC	TRIPLETT S FRK HR 4H	40.3207613	-81.2245586	40.3029174	-81.2101741
09/02/2014	HARRISON	FRANKLIN	34067213760000	Permitted	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	Permitted	CHESAPEAKE EXPLORATION LLC	BUELL 10-11-5 1H	40.3502814	-81.0195656	40.3728563	-81.0402307
08/28/2014	HARRISON	ARCHER	34067213790000	Permitted	CHESAPEAKE EXPLORATION LLC	BUELL 10-11-5 2H	40.3503072	-81.0196547	40.3738157	-81.0379700
08/28/2014	HARRISON	ARCHER	34067213800000	Permitted	CHESAPEAKE EXPLORATION LLC	BUELL 10-11-5 3H	40.3503363	-81.0195679	40.3747750	-81.0357127
08/28/2014	HARRISON	ARCHER	34067213810000	Permitted	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	Permitted	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
10/09/2014	HARRISON	GERMAN	34067214060000	Permitted	CHESAPEAKE EXPLORATION LLC	MCBRIDE 20-11-4 8H	40.4013710	-80.9293842	40.3805440	-80.9146610
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

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	40.4516857	-80.9525053
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	40.4249805	-80.7121845
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	Drilling	CHESAPEAKE EXPLORATION LLC	CRAWFORD 28-10-3 6H	40.4362875	-80.8411510	40.4137408	-80.8592932
06/06/2014	JEFFERSON	SALEM	34081205530000	Drilling	CHESAPEAKE EXPLORATION LLC	KEYSTONE TRUST 34-10-3 10H	40.4302230	-80.8605364	40.4085874	-80.8412441
08/21/2014	JEFFERSON	SALEM	34081205540000	Drilling	CHESAPEAKE EXPLORATION LLC	KEYSTONE TRUST 34-10-3 1H	40.4302680	-80.8606143	40.4438479	-80.8754725
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	41.1224760	-80.9358141
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	39.6513519	-81.1819242
12/14/2011	MONROE	WASHINGTON	34111243020200	Drilled	HG ENERGY LLC	WHITACRE ENTERPRISES INC 701 N-5H	39.6606943	-81.2004258	39.6698797	-81.2151586
01/06/2012	MONROE	WASHINGTON	34111243020300	Producing	HG ENERGY LLC	WHITACRE ENTERPRISES INC 701 N-2H	39.6606971	-81.2004257	39.6687159	-81.2151942
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 WHS 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	Drilled	XTO ENERGY INC.	MONROE NORTH UNIT 2H	39.8226549	-80.8505975	39.8369130	-80.8660229
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	Drilled	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	39.6554005	-81.2336718
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	39.6590750	-81.2332286
05/23/2014	MONROE	SENECA	34111244120000	Drilled	ANTERO RESOURCES CORPORATION	NORMAN UNIT 2H	39.8181529	-81.3042213	39.8052515	-81.2892646
03/10/2014	MONROE	SENECA	34111244130000	Drilled	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	Drilled	ECLIPSE RESOURCES I LP	SHROYER UNIT 4H	39.7984440	-80.8786149	39.7803937	-80.8660211
09/13/2013	MONROE	SALEM	34111244160000	Drilled	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	39.8266813	-81.2848185	39.8509265	-81.3017953
06/11/2014	MONROE	SENECA	34111244240000	Drilled	ANTERO RESOURCES CORPORATION	DK CARPENTER UNIT 1H	39.8267173	-81.2848499	39.8517295	-81.3051440
06/16/2014	MONROE	SENECA	34111244260000	Drilled	ANTERO RESOURCES CORPORATION	MCDOUGAL UNIT 1H	39.8266120	-81.2847520	39.8502329	-81.2984127
11/04/2013	MONROE	WASHINGTON	34111244270000	Permitted	HG ENERGY LLC	GARY GREEN 703-S-8H	39.6762338	-81.1887523	39.6698876	-81.1721557
09/26/2014	MONROE	WASHINGTON	34111244280000	Drilling	AMERICAN ENERGY UTICA LLC	GARY GREEN N WSH MN 3H	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	39.6763925	-81.1887031	39.6872578	-81.2045010
11/04/2013	MONROE	WASHINGTON	34111244300000	Drilling	HG ENERGY LLC	GARY GREEN 703-S-5H	39.6761134	-81.1887901	39.6660035	-81.1773347
11/04/2013	MONROE	WASHINGTON	34111244310000	Drilled	HG ENERGY LLC	GARY GREEN 703-S-6H	39.6761544	-81.1887751	39.6678596	-81.1766067
11/04/2013	MONROE	WASHINGTON	34111244320000	Permitted	HG ENERGY LLC	GARY GREEN 703-S-7H	39.6761954	-81.1887636	39.6689732	-81.1745606
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	Permitted	STATOIL USA ONSHORE PROP INC	EISENBARTH U 4H	39.6976380	-80.8990428	39.6834568	-80.8815894
12/12/2013	MONROE	SENECA	34111244440000	Drilling	ANTERO RESOURCES CORPORATION	FRANKLIN UNIT 3H	39.8328402	-81.3021992	39.8159913	-81.2844105
12/12/2013	MONROE	SENECA	34111244450000	Drilling	ANTERO RESOURCES CORPORATION	FRANKLIN UNIT 2H	39.8328243	-81.3022493	39.8145082	-81.2875443
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	Drilling	ANTERO RESOURCES CORPORATION	KEYLOR UNIT 2H	39.8490792	-81.2868993	39.8323418	-81.2710489
02/26/2014	MONROE	SENECA	34111244490000	Drilling	ANTERO RESOURCES CORPORATION	KEYLOR UNIT 1H	39.8491178	-81.2869165	39.8310953	-81.2739375

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	39.8297385	-81.2770344
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	Permitted	STATOIL USA ONSHORE PROP INC	WEFLER N U 1H	39.7387516	-80.9085048	39.7523557	-80.9274846
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	Permitted	EM ENERGY OHIO LLC	MOONRAKER 2-PPH	39.6728148	-81.0853795	39.6632927	-81.0705099
06/04/2014	MONROE	CENTER	34111244720100	Permitted	GULFPORT ENERGY CORPORATION	JONES 210068 3A	39.7897383	-81.0591957	39.8036369	-81.0697117
06/03/2014	MONROE	CENTER	34111244730000	Drilling	GULFPORT ENERGY CORPORATION	JONES 210068 2B	39.7896971	-81.0591930	39.8048355	-81.0669177
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	Drilling	GULFPORT ENERGY CORPORATION	JONES 210068 1C	39.7896559	-81.0591938	39.8060342	-81.0641270
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	39.8129922	-81.2906822
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
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
09/12/2014	MONROE	SUNSBURY	34111245060000	Drilling	GULFPORT ENERGY CORPORATION	ROBINETTE 210129 1D	39.8128895	-81.0085113	39.8312410	-81.0155858
09/12/2014	MONROE	SUNSBURY	34111245070000	Drilling	GULFPORT ENERGY CORPORATION	ROBINETTE 210129 2C	39.8128901	-81.0085647	39.8298882	-81.0186842
09/12/2014	MONROE	SUNSBURY	34111245080000	Drilling	GULFPORT ENERGY CORPORATION	ROBINETTE 210129 3B	39.8128908	-81.0086181	39.8285547	-81.0217964
09/12/2014	MONROE	SUNSBURY	34111245090000	Drilling	GULFPORT ENERGY CORPORATION	ROBINETTE 210129 4A	39.8128915	-81.0086715	39.8272211	-81.0249085
09/17/2014	MONROE	ADAMS	34111245100000	Permitted	GULFPORT ENERGY CORPORATION	HOWELL 210232 3C	39.8010341	-81.0333333	39.8191037	-81.0439047
09/17/2014	MONROE	ADAMS	34111245110000	Permitted	GULFPORT ENERGY CORPORATION	HOWELL 210232 4D	39.8010639	-81.0332971	39.8204406	-81.0407933
09/17/2014	MONROE	ADAMS	34111245120000	Permitted	GULFPORT ENERGY CORPORATION	HOWELL 210232 2B	39.8010016	-81.0333696	39.8177695	-81.0470159
09/17/2014	MONROE	ADAMS	34111245130000	Permitted	GULFPORT ENERGY CORPORATION	HOWELL 210232 1A	39.8009718	-81.0334022	39.8164352	-81.0501234
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	39.7739285	-81.2976721	39.7852448	-81.3023912
09/25/2014	MONROE	FRANKLIN	34111245260000	Permitted	ANTERO RESOURCES CORPORATION	DIMMERLING UNIT 3H	39.7738718	-81.2977691	39.7849410	-81.3073215
09/25/2014	MONROE	FRANKLIN	34111245270000	Permitted	ANTERO RESOURCES CORPORATION	DIMMERLING UNIT 1H	39.7738399	-81.2978693	39.7917728	-81.3165929
09/25/2014	MONROE	FRANKLIN	34111245280000	Permitted	ANTERO RESOURCES CORPORATION	DIMMERLING UNIT 2H	39.7738559	-81.2978192	39.7924656	-81.3150544
11/15/2013	MORGAN	CENTER	34115246830000	Drilling	PDC ENERGY INC	PALMER 3H	39.6092074	-81.6671074	39.6304517	-81.6704152
11/15/2013	MORGAN	CENTER	34115246840000	Drilled	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	ANADARKO E & P ONSHORE LLC	FREC MUSK MEIGS A1H	39.8011515	-81.7169869	39.8137240	-81.7241646
03/09/2012	MUSKINGUM	MEIGS	34119287490100	Producing	ANADARKO E & P ONSHORE LLC	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	ANADARKO E & P ONSHORE LLC	FREC NOBL BROOKFIELD A-1H	39.7797589	-81.6569240	39.7916474	-81.6658193
10/31/2011	NOBLE	SHARON	34121243480100	Producing	ANADARKO E & P ONSHORE LLC	FREC NOBL SHARON A-1H	39.7219372	-81.6100472	39.7342184	-81.6180760
03/23/2012	NOBLE	OLIVE	34121243490100	Producing	ANADARKO E & P ONSHORE LLC	FREC NOBL OLIVE A-1H	39.6646233	-81.5376218	39.6766372	-81.5465694
12/15/2011	NOBLE	BROOKFIELD	34121243500100	Producing	ANADARKO E & P ONSHORE LLC	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	39.7459253	-81.4319775
11/21/2012	NOBLE	ENOCH	34121243930000	Producing	CNX GAS COMPANY LLC	RESERVE COAL PROPERTIES CO NBL11BHSU	39.7457344	-81.4142298	39.7588856	-81.4189552
01/21/2012	NOBLE	ENOCH	34121243940100	Producing	CNX GAS COMPANY LLC	RESERVE COAL PROPERTIES CO NBL11CHSU	39.7456901	-81.4141879	39.7602245	-81.4251134
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	39.7516005	-81.4277895
01/11/2013	NOBLE	ENOCH	34121243990000	Producing	CNX GAS COMPANY LLC	RESERVE COAL PROPERTIES CO NBL33BHSU	39.7376762	-81.4180964	39.7504048	-81.4315425
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	39.7577752	-81.4280822
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	Drilled	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	Drilled	CNX GAS COMPANY LLC	RESERVE COAL PROPERTIES CO NBL18AHSU	39.8376036	-81.3931568	39.8485820	-81.4079702
05/06/2013	NOBLE	SENECA	34121244170000	Drilled	CNX GAS COMPANY LLC	RESERVE COAL PROPERTIES CO NBL18EHSU	39.8376533	-81.3931845	39.8490441	-81.4060111
05/06/2013	NOBLE	SENECA	34121244180100	Drilled	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	Drilled	ANTERO RESOURCES CORPORATION	VORHIES UNIT 1H	39.8824681	-81.4229466	39.8552126	-81.4074138
05/23/2013	NOBLE	SENECA	34121244240000	Drilled	ANTERO RESOURCES CORPORATION	VORHIES UNIT 2H	39.8824269	-81.4229473	39.8595906	-81.4064153
05/23/2013	NOBLE	SENECA	34121244250000	Drilled	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	34121244480000	Drilled	CNX GAS COMPANY LLC	RESERVE COAL PROPERTIES CO NBL30FHSU	39.8193989	-81.3955753	39.8103608	-81.3837255
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	Drilled	CNX GAS COMPANY LLC	RESERVE COAL PROPERTIES CO NBL30DHSU	39.8194888	-81.3954991	39.8038398	-81.3874429
03/17/2014	NOBLE	SENECA	34121244540000	Drilling	ANTERO RESOURCES CORPORATION	FRAKES UNIT 2H	39.8838883	-81.3932685	39.8624236	-81.3773471
03/17/2014	NOBLE	SENECA	34121244550000	Drilling	ANTERO RESOURCES CORPORATION	FRAKES UNIT 1H	39.8838556	-81.3932976	39.8609729	-81.3803950
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	39.8443051	-81.3367382
02/28/2014	NOBLE	MARION	34121244630000	Drilling	ANTERO RESOURCES CORPORATION	GRAVES UNIT 2H	39.8227358	-81.3188830	39.8448170	-81.3354795
02/28/2014	NOBLE	MARION	34121244640000	Drilling	ANTERO RESOURCES CORPORATION	GRAVES UNIT 3H	39.8227107	-81.3188443	39.8448503	-81.3338655
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	Permitted	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
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	Drilling	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	39.9075002	-81.3001432
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	39.9095695	-81.2955158
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	Drilling	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	39.9106138	-81.2932090
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	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	Permitted	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	39.9244067	-81.3435776
07/23/2014	NOBLE	STOCK	34121245080000	Drilling	CNX GAS COMPANY LLC	GUREWICZ NBL36CHSU	39.7580884	-81.3921467	39.7399920	-81.3694609
07/23/2014	NOBLE	STOCK	34121245090000	Drilling	CNX GAS COMPANY LLC	GUREWICZ NBL36BHSU	39.7580362	-81.3921404	39.7354670	-81.3697192
06/06/2014	NOBLE	STOCK	34121245100000	Drilling	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	39.8813867	-81.4043265	39.9126491	-81.4128607
10/06/2014	NOBLE	SENECA	34121245150000	Drilling	ANTERO RESOURCES CORPORATION	SENECA UNIT 2H	39.8813569	-81.4043626	39.9107348	-81.4163343
10/06/2014	NOBLE	SENECA	34121245160000	Drilling	ANTERO RESOURCES CORPORATION	SENECA UNIT 1H	39.8813270	-81.4043952	39.9088500	-81.4197539
08/21/2014	NOBLE	SENECA	34121245290000	Permitted	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	Permitted	ANTERO RESOURCES CORPORATION	DAILEY UNIT 1H	39.8182332	-81.3292877	39.7959209	-81.3095003
09/05/2014	NOBLE	MARION	34121245320000	Permitted	ANTERO RESOURCES CORPORATION	SIBERIAN UNIT 1H	39.8226828	-81.3188020	39.7978566	-81.3051961
09/05/2014	NOBLE	MARION	34121245330000	Permitted	ANTERO RESOURCES CORPORATION	SIBERIAN UNIT 4H	39.8226047	-81.3186788	39.7999720	-81.3004936
09/05/2014	NOBLE	MARION	34121245350000	Permitted	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	Permitted	PDC ENERGY INC	MILEY 7H	39.8526504	-81.4576564	39.8685249	-81.4732195
10/09/2014	NOBLE	SENECA	34121245430000	Permitted	PDC ENERGY INC	MILEY 6H	39.8526564	-81.4577098	39.8649102	-81.4736612
10/09/2014	NOBLE	SENECA	34121245440000	Permitted	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	Permitted	PDC ENERGY INC	MILEY 4H	39.8526973	-81.4576771	39.8748759	-81.4655079
10/10/2014	NOBLE	SENECA	34121245470100	Permitted	PDC ENERGY INC	MILEY 1H	39.8527162	-81.4576412	39.8714598	-81.4722819
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	Producing	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	41.2633573	-80.7017660
07/21/2014	TRUMBULL	VERNON	34155240710000	Producing	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	Producing	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	41.1762374	-80.8122447	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
04/13/2012	TUSCARAWAS	WARREN	34157254950000	Permitted	CHESAPEAKE EXPLORATION LLC	MIZER 29-15-7 1H	40.5405070	-81.3033821	40.5534068	-81.3173765
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
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
1548 Horizontal Permits - 1111 Drilled										