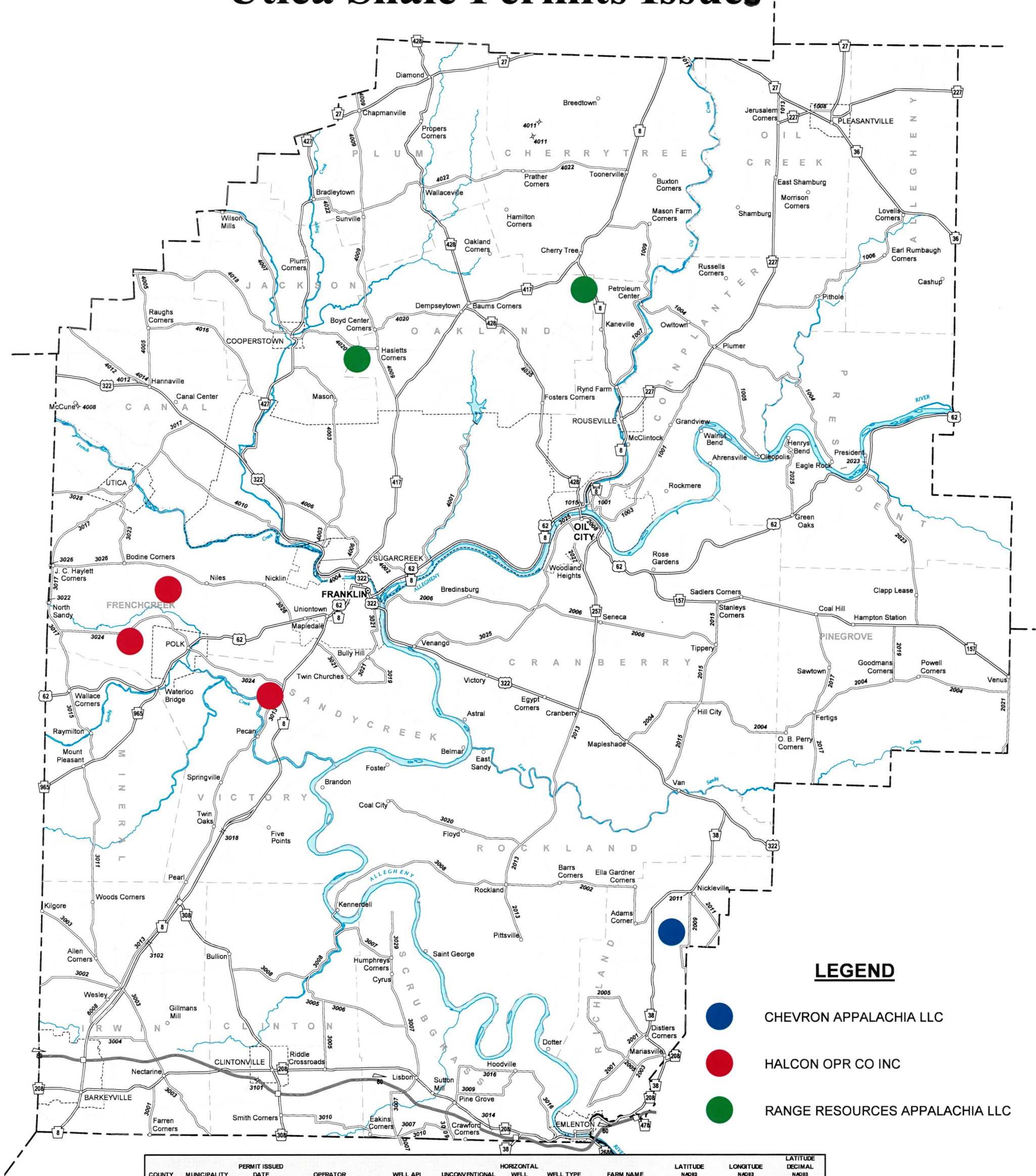


Venango County

Utica Shale Permits Issued



LEGEND

- CHEVRON APPALACHIA LLC
- HALCON OPR CO INC
- RANGE RESOURCES APPALACHIA LLC

COUNTY	MUNICIPALITY	PERMIT ISSUED DATE	OPERATOR	WELL API	UNCONVENTIONAL	HORIZONTAL WELL	WELL TYPE	FARM NAME	LATITUDE NAD83	LONGITUDE NAD83	LATITUDE DECIMAL
Venango	Frenchcreek Twp	8/16/2012	HALCON OPR CO INC	121-44946-00-00	Yes	No	GAS	ALLAM 1H	41° 22' 23.64"	-79° 57' 20.94"	41.373233
Venango	Frenchcreek Twp	8/16/2012	HALCON OPR CO INC	121-44946-01-00	Yes	Yes	GAS	ALLAM 1H 1	41° 22' 23.64"	-79° 57' 20.94"	41.373233
Venango	Frenchcreek Twp	9/21/2012	HALCON OPR CO INC	121-44981-00-00	No	No	GAS	RAINBOW 1H	41° 23' 41.19"	-79° 56' 8.80"	41.394775
Venango	Frenchcreek Twp	9/21/2012	HALCON OPR CO INC	121-44981-01-00	No	Yes	GAS	RAINBOW 1H	41° 23' 41.19"	-79° 56' 8.80"	41.394775
Venango	Oakland Twp	8/28/2012	RANGE RESOURCES APPALACHIA LLC	121-44947-01-00	Yes	Yes	GAS	EDDY UNIT 1H	41° 31' 17.53"	-79° 42' 48.679"	41.521538
Venango	Oakland Twp	10/22/2012	RANGE RESOURCES APPALACHIA LLC	121-44941-00-00	Yes	No	GAS	HASLET UNIT 1H	41° 29' 27.18"	-79° 50' 10.585"	41.490884
Venango	Oakland Twp	10/22/2012	RANGE RESOURCES APPALACHIA LLC	121-44941-01-00	Yes	Yes	GAS	HASLET UNIT 1H	41° 29' 27.18"	-79° 50' 10.585"	41.490884
Venango	Richland Twp	11/8/2012	CHEVRON APPALACHIA LLC	121-45028-01-00	Yes	Yes	GAS	BROSIOUS 1H	41° 15' 34.10"	-79° 39' 30.27"	41.259472
Venango	Richland Twp	11/8/2012	CHEVRON APPALACHIA LLC	121-45029-00-00	Yes	No	GAS	BROSIOUS 2H	41° 15' 34.10"	-79° 39' 30.08"	41.259472
Venango	Sandycreek Twp	10/17/2012	HALCON OPR CO INC	121-45019-00-00	Yes	No	GAS	SCC 1H PAD GLISTA PAD 1	41° 21' 8.90"	-79° 52' 45.06"	41.352472
Venango	Sandycreek Twp	10/17/2012	HALCON OPR CO INC	121-45019-01-00	Yes	Yes	GAS	SCC 1H PAD GLISTA PAD 1	41° 21' 8.90"	-79° 52' 45.06"	41.352472