FIGURES
NOTES:
1. BARTON AND SPENCER 7.5 MINUTE QUADRANGLE MAPS OBTAINED FROM THE NYSGIS CLEARINGHOUSE.
Cross-section illustrates the schematic subsurface distribution of the Utica Shale, Herkimer Sandstone and Marcellus Shale.
<table>
<thead>
<tr>
<th>Period</th>
<th>Group</th>
<th>Unit</th>
<th>Lithology</th>
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<tr>
<td></td>
<td>Geneseen</td>
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<td>Middle</td>
<td>Hamilton</td>
<td>Marcellus Shale</td>
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<td>TriStates</td>
<td>Onondaga Lst, Oriskany Sst</td>
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Smith (2005)
Figure 1. EARTHQUAKE EPICENTERS and SEISMIC RISK ZONES in NEW YORK STATE and VICINITY
(Adapted from Smith 1962, 1964 and Algermissen 1969)

LEGEND

Seismic risk probability
1. minor damage
2. moderate damage
3. major damage

- epicenters [1534 to 1968]
- cities
- border between seismic risk zones

MAP REFERENCE:
NOTES:
1. REFERENCE: JACOBI, 2002, BASEMENT FAULTS AND SEISMICITY IN THE APPALACHIAN BASIN OF NEW YORK STATE, FIGURE 1 – INDEX MAP WITH SEISMIC EVENTS.
NOTES:
1. AERIAL BASEMAP FROM AUTOCAD, HARRIS CORP. EARTHSTAR GEOGRAPHICS LLC.
2. TIOGA COUNTY BOUNDARY OBTAINED FROM THE NYSGIS CLEARINGHOUSE.
3. WELL DATA OBTAINED FROM THE NYSDEC OIL & GAS SEARCHABLE DATABASE.

LEGEND
SNYDER E1-A WELLHEAD
OIL/GAS WELLHEAD STATUS PLUGGED OR ABANDONED

GRAPHIC SCALE
SCALEABLE ONLY ON ARCH "D" SIZE PRINTS

CONTINENTAL PLACER INC.
II Winners Circle   Albany, New York 12205
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COUCH WHITE, LLP
Snyder E1-A WELL
Town of Barton                  Tioga Co., NY

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REPORT REFERENCES:
1. DONOHUE ANSTEY & MORRILL, 1984, SHALE GAS IN THE SOUTHERN CENTRAL AREA OF NEW YORK STATE, PREPARED FOR NYSERDA AND U.S. DOE.