## GEOLOGIC WELL PROGNOSIS

### COMPANY:
Methane Energy

### WELL NAME:
Southport Corehole

### ANTICIPATE SPUD DATE:
November 2004

### TWIN:
SUMITOMO #7 (F-F')

### SURFACE LOCATION:
Approx. 1300' FSL, 1300' FEL

### ESTIMATED TD:
1750 Feet

### LEGAL LOCATION:
SEC 22, T26S-R13W

### ELEV. & TOPO:
500' ASL ( )

### COUNTY:
Coos

### STATE:
Oregon

### TERRAIN & ACCESS:
Hilltop terrace; access good near paved hiway; gravel road to location

### OBJECTIVE FORMATION:
Lower Coaledo Fm.

### HIGHEST DIP:
20° @ 1300’

### TYPE OF WELL:
Vertical

### FORMATIONS TO BE PENETRATED:

<table>
<thead>
<tr>
<th>Formation</th>
<th>Tops</th>
<th>Est. Thickness</th>
<th>Dom. Lithos</th>
<th>Possible Pinnae, Core</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface gravels</td>
<td>Surface</td>
<td>10’</td>
<td>Sand, gravel, clay</td>
<td></td>
</tr>
<tr>
<td>Middle Coaledo Fm.</td>
<td>10’</td>
<td>100’</td>
<td>Sandstone, siltstone</td>
<td></td>
</tr>
<tr>
<td>Lower Coaledo Fm.</td>
<td>100’</td>
<td>To TD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coal Zone 120’</td>
<td>12’</td>
<td>12’</td>
<td>Coal</td>
<td></td>
</tr>
<tr>
<td>Coal Zone 400’</td>
<td>6’</td>
<td>6’</td>
<td>Coal</td>
<td></td>
</tr>
<tr>
<td>Coal Zone 500’</td>
<td>8’</td>
<td>8’</td>
<td>Coal</td>
<td></td>
</tr>
<tr>
<td>Coal Zone 775’</td>
<td>10’</td>
<td>10’</td>
<td>Coal</td>
<td></td>
</tr>
<tr>
<td>Coal Zone 1300’</td>
<td>10’</td>
<td></td>
<td>Coal</td>
<td></td>
</tr>
</tbody>
</table>

### TD:
(1750’)

### Sandstone, siltstone

### UNUSUAL CONDITIONS (LOST CIRC., SHALLOW BLOW-OUTS, WATER FLOWS, H2S, ETC.):
Steep dips, deviation potential unstable hole conditions;

### MUD UNIT (DEPTHS & TYPE):
Two-man logging unit with gas detection, chromatograph, etc.

### LOGGING PROGRAM:
State required minimum

### SPEC. SURVEYS:
Continuous core through coal intervals. Desorption sampling in coals. Sample produced gas and water

### REFERENCE WELLS:
Northwest Exploration Westport #1, Sumitomo Corehole #7

### COMMENTS:
Detailed drilling and well history available from NWE Westport #1 well; Detailed core record from Sumitomo Corehole #5

### PREPARED BY:
S. Pappajohn, G. Hampton