

MEC BEAVER HILL COREHOLE

GEOLOGIC WELL PROGNOSIS

COMPANY: Methane Energy Corp. **WELL NAME:** Beaver Hill Corehole
ANTICIPATE SPUD DATE: January 2005 | **TWIN:** N/A
SURFACE LOCATION: 303' FSL, 1398' FEL | **ESTIMATED TD:** 3500 Feet
LEGAL LOCATION: SEC 13, T27S-R14W | **ELEV. & TOPO:** 392' ASL (RV)
COUNTY: Coos | **STATE:** Oregon
TERRAIN & ACCESS: Hilltop terrace; access good near paved highway; gravel road to location
OBJECTIVE FORMATION: Lower Coaledo Fm. | **HIGHEST DIP:** 30° @ 1500'
TYPE OF WELL: Vertical

<u>FORMATIONS TO BE PENETRATED:</u>	<u>TOPS</u>	<u>EST. THICKNESS</u>	<u>DOM. LITHOS.</u>	<u>POSSIBLE PINNATE, CORE</u>
Surface gravels	Surface	10'	Sand, gravel, clay	
Upper Coaledo Fm.	10'	300'	Sandstone, siltstone	
Middle Coaledo Fm.	300'	1500'	Sandstone, siltstone	
Lower Coaledo Fm.	1500'	To TD		
"Y" Coal Zone	1600'	3'	coal	X
"X" Coal Zone	2000'	10'	coal	X
"E" Coal Zone	2300'	6'	coal	X
"D" Coal Zone	2375'	8'	coal	X
"C" Coal Zone	2450'	6'	coal	X
"B" Coal Zone	2550'	6'	coal	X
"A" Coal Zone	2650'	10'	coal	X
"2" Coal Zone	2940'	12'	coal	X
"1" Coal Zone	3450'	12'	coal	X
TD	(3500')		Sandstone, siltstone	

UNUSUAL CONDITIONS (LOST CIRC., SHALLOW BLOW-OUTS, WATER FLOWS, H₂S, ETC.):

Steep dips, deviation potential; unstable hole conditions; high bentonite clay content

MUD UNIT (DEPTHS & TYPE): one-man logging unit with gas detection**LOGGING PROGRAM:** State required minimum**SPEC. SURVEYS:** Continuous core through coal intervals. Desorption sampling in coals. Sample produced gas and water**REFERENCE WELL:** CEI Coos County Forest #7-1**COMMENTS:** Detailed drilling and well history available from CEI CCF 7-1 well**PREPARED BY:** S. Pappajohn, G. Hampton