

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

<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	
Middle Coaledo Fm.	10'	100'	Sandstone, siltstone	
Lower Coaledo Fm.	100'	To TD		
Coal Zone	120'	12'	coal	
Coal Zone	400'	6'	coal	
Coal Zone	500'	8'	coal	
Coal Zone	775'	10'	coal	
Coal Zone	1300'	10'	coal	
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

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