

GEOLOGIC WELL PROGNOSIS

COMPANY: Methane Energy **WELL NAME:** Westport Corehole
ANTICIPATE SPUD DATE: November 2004 | **TWIN:** NW EXPL WESTPORT #1
SURFACE LOCATION: Approx. 625' FSL, 2200' FEL | **ESTIMATED TD:** 2700 Feet
LEGAL LOCATION: SEC 16, T26S-R13W | **ELEV. & TOPO:** 565' 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:** 40° @ 2500'
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'	500'	Sandstone, siltstone	
Lower Coaledo Fm.	500'	To TD		
Coal Zone	650'	10'	coal	
Coal Zone	1000'	8'	coal	
Coal Zone	1150'	10'	coal	
Coal Zone	1200'	4'	coal	
Coal Zone	1475'	8'	coal	
Coal Zone	1875'	4'	coal	
Coal Zone	2350'	13'	coal	
Coal Zone	2400'	4'	coal	
Coal Zone	2650'	6'	coal	
TD	(2700')		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

COMMENTS: Detailed drilling and well history available from NWE #1 well;

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