

GEOLOGIC WELL PROGNOSIS

COMPANY: Methane Energy Corp. **WELL NAME:** Davis Flat Corehole
ANTICIPATE SPUD DATE: December 2004 | **TWIN:** SUMITOMO #7
SURFACE LOCATION: Approx. 45' FNL, 45' FEL | **ESTIMATED TD:** 2150 Feet
LEGAL LOCATION: SEC 28, T26S-R13W | **ELEV. & TOPO:** 50' ASL (CB)
COUNTY: Coos | **STATE:** Oregon
TERRAIN & ACCESS: Hillside terrace; access good near paved highway; gravel road to location
OBJECTIVE FORMATION: Lower Coaledo Fm. | **HIGHEST DIP:** 30° @ 1000'
TYPE OF WELL: Vertical

<u>FORMATIONS TO BE PENETRATED:</u>	<u>TOPS</u>	<u>EST. THICKNESS</u>	<u>DOM. LITHOS.</u>	<u>POSSIBLE CORE</u>
Middle Coaledo Fm.	Surface	100'	Sandstone, siltstone	
Lower Coaledo Fm.	100	To TD	Sandstone, siltstone	
"Y" Coal Zone	160'	3'	coal	X
"X" Coal Zone	300'	8'	coal	X
"E" Coal Zone	550'	3'	coal	X
"D" Coal Zone	600'	6'	coal	X
"C" Coal Zone	640'	3'	coal	X
"B" Coal Zone	680'	3'	coal	X
"A" Coal Zone	725'	5'	coal	X
"2" Coal Zone	900'	8'	coal	X
"1" Coal Zone	1400'	8'	coal	X
Roseburg Volcanics	2100'		Basalt & Volcanic Sandst.	X
TD	(2150')		Volcanic sand- & Siltstone	

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

Steep dips, deviation, potential unstable hole conditions, lost circulation in volcanics

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, Sumitomo Corehole #5

COMMENTS: Detailed drilling and well history available from NWE Westport #1 well;
Detailed core record from Sumitomo Corehole #5, #7
Possible core of Roseburg Volcanics to test for water disposal potential

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