

GEOLOGIC WELL PROGNOSIS

COMPANY: Methane Energy **WELL NAME:** Goat Creek Corehole
ANTICIPATE SPUD DATE: November 2004 | **TWIN:** GCO CH CB - 21
SURFACE LOCATION: Approx. 650' FSL, 650' FWL | **ESTIMATED TD:** 2500 Feet
LEGAL LOCATION: SEC 35, T26S-R13W | **ELEV. & TOPO:** 500' ASL ()
COUNTY: Coos | **STATE:** Oregon
TERRAIN & ACCESS: Hilltop terrace; access good near paved highway; gravel road to location
OBJECTIVE FORMATION: Upper & Lower Coaledo Fm. | **HIGHEST DIP:** 10° @ 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	
Upper Coaledo Fm.	10'	1065'	Sandstone, siltstone	
"J" Coal Zone	750'	12'		
"H" Coal Zone				
"G" Coal Zone				
"F" Coal Zone				
"E" Coal Zone				
"D" Coal Zone	925'	5'		
"C" Coal Zone				
"B" Coal Zone		5'		
Beaver Hill Coal	1050'	5'		
Middle Coaledo Fm.	1075'	250'	Sandstone, siltstone	
Lower Coaledo Fm.	1325'	To TD		
Coal Zone	1450'	12'	coal	
Coal Zone	1730'	6'	coal	
Coal Zone	1830'	8'	coal	
Coal Zone	2100'	10'	coal	
Coal Zone	2400'	10'	coal	
TD	(2500')		Sandstone, siltstone	

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

Steep dips, deviation potential unstable hole conditions;

MUD UNIT (DEPTHS & TYPE): One-man logging unit with gas detection

LOGGING PROGRAM: TBD

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

REFERENCE WELLS: GCO CB – 21, GCO CB – 22

COMMENTS: Detailed drilling, well history & core record available from GCO CB – 21.

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