

MEC COALEDO RANCH COREHOLE

GEOLOGIC WELL PROGNOSIS

COMPANY: Methane Energy Corp. | **WELL NAME:** Coaledo Ranch CH
ANTICIPATE SPUD DATE: January 2005 | **TWIN:** NA
SURFACE LOCATION: 649' FNL, 210' FWL | **ESTIMATED TD:** 3950 Feet
LEGAL LOCATION: SEC 15, T27S-R13W | **ELEV. & TOPO:** 70' ASL (Coquille)
COUNTY: Coos | **STATE:** Oregon
TERRAIN & ACCESS: Hillside terrace; pasture/grazing land; access good near paved road;
OBJECTIVE FORMATION: Upper & Lower Coaledo Fms. | **HIGHEST DIP:** 30° @ 2000'
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> |
|-------------------------------------|-------------|-----------------------|----------------------|----------------------|
| Surface gravels | Surface | 10' | Sand, gravel, clay | |
| Upper Coaledo Fm. | 200' | | Sandstone, siltstone | |
| #5 Bed | 420' | 16' | coal | X |
| #4 Bed | 500' | 6' | coal | X |
| #3 Bed | 620' | 10' | coal | X |
| #2 Bed | 710' | 8' | coal | X |
| #1 Bed | 840' | 5' | coal | X |
| Middle Coaledo Fm. | 1100' | 1600' | Sandstone, siltstone | |
| Lower Coaledo Fm. | 2700' | To TD | | |
| 'F' Coal Zone | 3100' | 2' | coal | X |
| 'E' Coal Zone | 2825' | 8' | coal | X |
| 'D' Coal Zone | 3500' | 8' | coal | X |
| 'C' Coal Zone | 3690' | 6' | coal | X |
| 'B' Coal Zone | 3840' | 15' | coal | X |
| 'A' Coal Zone | 3930' | 15' | coal | X |
| TD | (3950') | | Sandstone, siltstone | |

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

Unstable hole conditions; High bentonite clay content in sandstones; abandoned mines in neighboring sections.

MUD UNIT (DEPTHS & TYPE): One-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 Fat Elk #1, Northwest Exploration Coos County #1

COMMENTS:

PREPARED BY: S. Pappajohn, G. Hampton

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