

**APPLICATION TO DRILL INFORMATION WELL (COREHOLE)**  
**STATE OF OREGON • DEPT OF GEOLOGY & MINERAL INDUSTRIES • 229 BROADALBIN ST SW • ALBANY OR 97321**

**(1) Permittee Information**

Name	Methane Energy Corporation
Mailing Address	21514 SE 254 <sup>th</sup> Place
City/State/Zip	Maple Valley, WA 98038
Telephone	425-432-1657
Fax	425-433-1443
Email	sp@methaneenergy.com
Prepared by	Steve Pappajohn
On Site Contact	Loran Wiese
Phone (day)	541-290-0837
Phone (night)	541-396-4169
Other	

**(2) Well Information**

County	Coos
Lease	Fred Messerle and Sons, Inc.
Well No.	MEC Coaledo Ranch Corehole
Location	1/4 NW S 15 T 27S R 13W
Wildcat or Field Name	Coos Bay Basin Coalfields
Surveyed SHL Coordinates. For directional wells include BHL.	649' FNL, 210' FEL 70' ASL
Geologic Objective	Lower Coaledo Formation
Proposed Depth	3,950

*Steve Pappajohn*  
 Signature

President  
 Title

12-10-04  
 Date

**(3) Lease/Ownership (if other than applicant)**

	Lessors (mineral owner)	Surface Owner	Lessee
Name	Fred Messerle & Sons, Inc.	Same	Methane Energy Corp.
Mailing Address	94881 Stock Slough Lane		21514 SE 254 <sup>th</sup> Place
City/State/Zip	Coos Bay, OR 97420		Maple Valley, WA 98038
Telephone	541-267-2997		425-432-1657
Fax	541-269-1042		425-433-1443
Email	fredm@ucinet.com		sp@methaneenergy.com

**(4) Proposed Well Design (use additional sheets if necessary)**

Size of hole	Size of Casing	Weight (pounds per foot)	Grade/Type	Depth	Type and Amount of Cement	
6 1/4"	5"	15	J-55	350'	150	bbls.
3 3/4"	Open	NA	NA	To TD		bbls.
						bbls.
						bbls.

**(5) Slurry Design for each String (use additional sheets if necessary)**

String 1	Annulus height	HT. left in casing	Excess	Density	String 2	Annulus Height	HT. left in casing	Excess	Density
Tail	ft.	ft.	bbls.	ppg.	Tail	ft.	ft.	bbls.	ppg.
Lead	ft.	ft.	bbls.	ppg.	Lead	ft.	ft.	bbls.	ppg.

**(6) Geologic Information - if known (use additional sheets if necessary)**

	1	at	2	at	3	at
Assumed fracture gradient of rock vs. depth	.43 psi/ft	1,500'	psi/ft	ft.	psi/ft	ft.
Pore gradient of rock vs. depth (if known)	psi/ft	ft.	psi/ft	ft.	psi/ft	ft.