

METHANE ENERGY CORPORATION
COMPLETION PROGRAM
MEC BEAVERHILL #1 SEC12 TWP27S RGE 14W
May 24, 2005

AFE # 502011

Well Licence: 0274470

Well Name: MEC BEAVER HILL COREHOLE

Location: Sec 12 Twp 27S Rge 14W

Elevations: G.L. 319 ft. K.B. 328.5 ft.
T.D. 4488 ft. (Driller) PBD 4448 ft. (Estimated float collar)
T.D. 4471 ft. (Logger)

Surface Casing: 9 5/8", 36#, K-55 8rd.(11 jts.) Landed at 467 ft. Cemented w/ 155 sacks
0-1-0 "G" neat.

Casing Bowl: 9 5/8 X 11 X 2000 PSI

Production Casing: 7", 23#, K-55, L-80, S-95, 7, LT&C. (xxx jts.) Landed at 4488 ft.
Lead w/ 350 sacks, (742 ft³ and 132 bbls.) Type III premium Plus + 2%
Econolite + 2% CaCL₂ + 0.25 lb/sk Flocele
Tail in w/ Type III premium Plus + 6% salt + 0.3% Veraset + 5lb/sk
Gilsonite + 5% Microbond +0.25 lb/sk Flocele
5.0 bbls. Cement returns at surface.

Perforation Interval: Lower Coaledo "D" 4198-4214 ft.KB

Daily Reports Via email: tk@methaneenergy.com or via Fax: 541-396-3037

Contact List:

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MEC BEAVER HILL # 1

Completion Program

- 1 Inform DOGAMI Area Office of commencement of operations. Conduct a safety / operations meeting.
- 2 Check the Installation of the 2000 psi wellhead and pressure test primary and secondary seals to 1500psi for 15 minutes.
- 3 Move in anchor truck, set 4 anchors and perform pull test, if anchors are already set, ensure they meet the pull test requirements
- 4 MIRU service rig c/w pump, **clean** tank, BOP's and handling equipment for 2 3/8" EUE tubing. Spot and rig up equipment according to **DOGAMI & MEC** guidelines. Conduct walk around rig inspection and hold prejob safety meeting. Record service rig inspection results and meeting minutes. **NOTE:** Check and record any surface casing vent pressure.
- 5 Install BOP's. Stump test BOPs, stabbing valve and surface equipment at 200 psi and 1500 psi for ten minutes each... **DON'T PRESSURE TEST CASING PRIOR TO RUNNING BOND LOG.** Record results.
- 6 MIRU Electric Wireline unit RIH with a gauge ring and junk basket to PBTD. Pick and RIHw/ logging tools to run GR-CCL-CBL for approximately 300 ft. over the zone of interest and over surface casing shoe. Run at 0 psi and 1000 psi pressure pass. We expect the cement top at surface. Correlate on depth to the **HALLIBURTON "Spectral Density Dual Spaced Neutron"** log dated **April 22, 2005**. Fax the bond log & pressure pass over the perforation interval to the Coquille office at 541-396-3037.
- 7 Casing swab the well dry then fill hole with \pm 150 linear feet of clean fresh water to \pm 4050 ft KB to cushion the guns for perforating the **Lower Coaledo "D"**

PERFORATING: Conduct a safety meeting for all hands on location prior to capping the gun. Insure signs are up, ALL mobiles, cell phones, radios are off, cathodic protection is off (if present), all equipment properly grounded. ONLY PERSONNEL DIRECTLY INVOLVED with loading or running the guns are to be allowed near the rig until the guns are well below surface. Likewise while retrieving until it is verified that all shots fired.

- 8 RIH on wireline with 5" ERHSC 25 gram, 4 SPF, 120° phasing, **Good Hole Charges Correlate to open hole logs and the GR-CCL-CBL as above.**
- 9 Perforate the Coaledo "D" from 4198-4214 ft.KB. Read and record SICP after perforating. POOH Perforating guns inspect and ensure all shots have fired. Report results to the Coquille office.

10 RIH the following downhole assembly (bottom up);

- 2 3/8 tubing jt.
- 1X API PSN
- 2 3/8 tubing jt.
- 7" X 2 3/8 Tubing anchor
- 2 3/8 " ,4.7 #/ft, J-55, EUE tubing to surface

NOTE: Land tubing end at \pm 20 ft below bottom of perforated interval.

10 Rig to and swab to evaluate the well for inflow as directed by MEC Coquille office personnel. Once sufficient inflow has occurred ensure one gallon of water samples is taken and that the samples are clearly marked with the date, well location and perforation/ zone interval. Send these samples in for analysis as directed by MEC personnel.

11 If a swab rig can be obtained at reduced cost, do so. If the existing service rig will work at a swab rate then that should be given consideration.

12 If the inflow is satisfactory, then ensure the well is dead, remove BOP's and install the "pumping wellhead" top section. If a slick line unit is available then, leave the well shut in overnight to stabilize. Move in slickline to run a static gradient.

- Record tubing and casing pressures with deadweight gauge prior to rigging in the lubricator.
- Make up tandem electronic recorders with adequate pressure range and maximum reading thermometer. Expected pressure is \pm 1500 psi G.
- Flex the recorders in/out.
- Make 5-minute stops at 1200, 2000, 3000, 3500, 4000, 4100 ft.
- Stop at the PSN for 20 minutes.
- Retrieve recorders.
- Verify data at surface; call Coquille with the Pressure before proceeding.

13 If a slickline unit is not available then, pick up and RIH with the BHP and rods as directed by the appropriate MEC personnel.

14 Secure wellhead and clean-up lease. Rig out service rig and inform MEC production personnel of the well status.

Prepared By:

Tom Kerestes,
Vice President Operations
Methane Energy Corp

Services:

Wireline- **as available**

Wellhead-

Tubing-

Service Rig- **as available**