

**CAMECO RESOURCES,
CROW BUTTE OPERATION**



**86 Crow Butte Road
P.O. Box 169
Crawford, Nebraska 69339-0169**

**(308) 665-2215
(308) 665-2341 – FAX**

January 20, 2012

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

Mr. Michael Linder, Director
Nebraska Department of Environmental Quality
PO Box 98922
Lincoln, Nebraska 68509-8922

Subject: Acid Treatment for Class I Injection Well (Deep Disposal Well #2)
 Permit Number NE0210825

Dear Mr. Linder:

In accordance with Part II, F (1) of the referenced permit, Crow Butte is submitting for approval, a well treatment procedure to improve the performance of the new Class I Injection Well.

Treatment Procedure

1. Rig up Basic Energy Services on the well and pressure test the lines.
2. Pump approximately 6,000 gallons of 10% hydrochloric acid with additives (Mavhib 3, Mavcell F, IC-100) and diversion balls.
3. Follow acid with approximately 2,500 gallons of flush water and additives (CL-57, Mavcide II).
4. Rig down Basic Energy Services.
5. Return well to injection with booster pump and monitoring equipment.
6. After approximately 2 weeks of injection, run a long-term injection/falloff test using down hole gauges to assess the condition of the well. This test will be performed for internal analysis rather

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than to satisfy annual testing requirements.

7. Pull gauges and return the well to injection.

The injection pressure transducer will be isolated from the acid to eliminate the potential for any instrument damage. This will cause continuous monitoring to be off-line for a short period while the acid is being added. No other monitoring or physical alterations to the well or compliance systems are anticipated during the project. Because the annulus will not be impacted by this work, no MIT will be needed to put the well back into service after the stimulation is completed. A report describing the results of the treatment will be submitted to the department within 30 days after the falloff test is completed.

Subject to NDEQ approval and installation of a new medium-pressure injection pump; the acid job is tentatively scheduled for February 7, 2012.

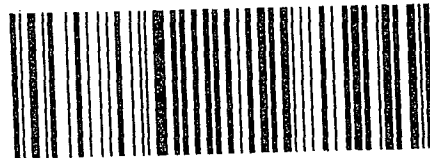
If you have any questions, please do not hesitate to call me at (308) 665-2215 ext 114.

Sincerely,
CAMECO RESOURCES
CROW BUTTE OPERATION

Larry Teahon
SHEQ Manager

cc: Mr. Ron Burrows - U.S. Nuclear Regulatory Commission
Ms. Lindsay Phillips, NDEQ, Chadron Field Office
Hal Demuth - Petrotek
CBO-File
ec: CR-Cheyenne

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