



**CAMECO RESOURCES  
CROW BUTTE OPERATION**

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February 4, 2020

40-8943

**CERTIFIED MAIL  
RETURN RECEIPT REQUESTED**

ATTN: Document Control Desk Director  
Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Subject: Mechanical Integrity Test failure at P702-14

Dear Document Control:

On January 31, 2020 during routine 5-year Mechanical Integrity Testing (MIT), well number P702-14 in Mine Unit 5, Wellhouse 14 failed the MIT criteria at the Crow Butte Resources (CBR) mine site. Kory Winters, of the NDEQ Chadron field office, and Ron Burrows, NRC Project Manager, were notified concerning this well on January 31, 2020.

Using isolation techniques, CBO was able to isolate the failure to the 20' joint. The water levels of Commercial Monitor wells (CM wells) in the area at a similar elevation range between 200 and 300 feet. Because P702-14 is a producer, it is very unlikely that the water level in this well has ever approached the 20' level.

This well was last successfully mechanical integrity tested in March 2015. The well has not been in operation since the most recent successful MIT, as the well has not been in operation since before the year 2000. The well casing depth is 679 feet with a K-packer set at 641 feet. The static water level of the shallow monitor wells in this area is 40 to 50 feet deep.

Upon review of this data with Amanda Jones of the NDEQ Lincoln office, it was determined that CBO will attempt to repair the well by placing a sleeve at the impacted area. Because the well was a producer that has not been operated for over 20 years and due to the shallow depth of the apparent failed casing joint (20 feet), no other testing will be conducted. There is no indication of or any reason to believe that there has been any release of contaminants from this well.

Graphs of the sampling results for the nearest shallow monitor well, SM5-1 are included for your review.

NMSSZD



## CROW BUTTE RESOURCES, INC.

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If you have any questions or concerns on this matter, please do not hesitate to call me at 308-665-2215 ext. 117.

Sincerely,

Walt Nelson  
SHEQ Coordinator

Enclosure

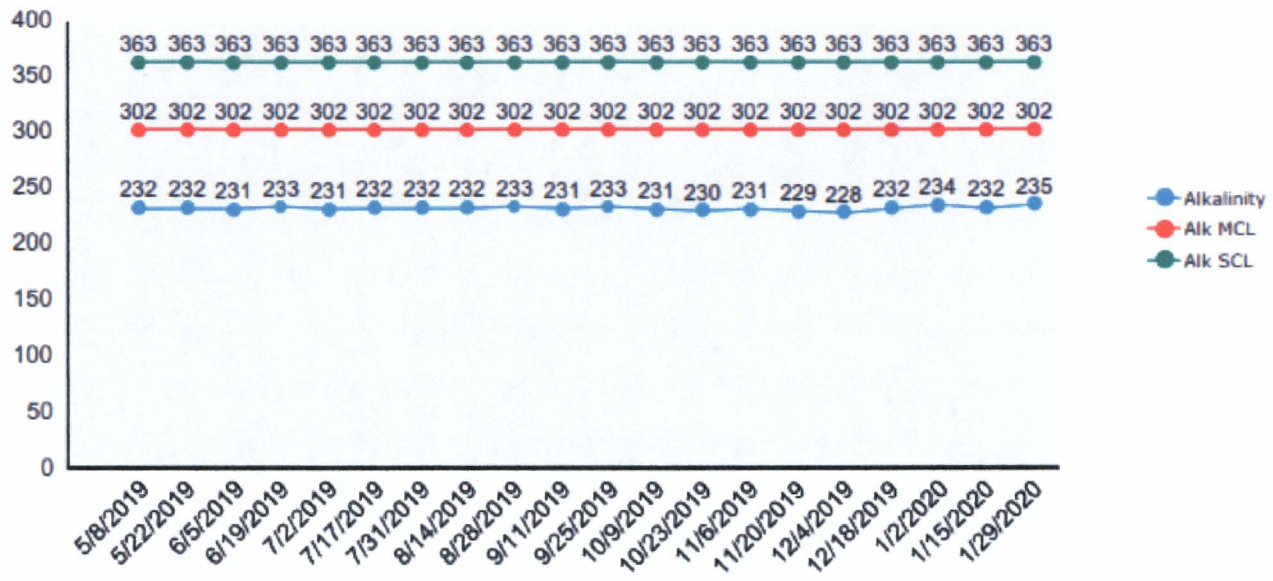
cc: NRC - Deputy Director, Division of Decommissioning  
CBO - File

ec: CBO - File

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SM05-001

Alkalinity



Chloride

