

**CAMECO RESOURCES
CROW BUTTE OPERATION**



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

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

June 23, 2022

Attn: Jean Trefethen

Subject: Clarifying Questions

1. The staff would like CBR to locate a few of the sites identified in the survey report and to provide estimates of the shortest distance from those sites to the edge of the disturbed area ("well ring") and to the nearest monitoring well. These sites are as follows:

- CB16
- CB17
- CB21

Attached are maps indicating the distances to Crow Butte Resources monitor wells and a road.

The edge of CB16 is very close to monitor well [REDACTED], about 25 feet. The area of the ridgetops is smaller than the area identified by the shape file for CB16. The shape file appears to include an approximate 50-foot buffer to the ridgetop for CB16. CBR has no plans or intentions to impact the ridgetops in this area. The monitor well and road will have to be reclaimed and the associated dirt work could bring us in contact with the edge of the area indicated by the shape file but at the bottom of the steep slope of the hill with no potential to affect the ridgetop.

CB17 also appears to have a buffer zone included in the shape file. CB17 is about 1830 feet from the nearest monitor well.

Due to the odd shape and relatively small area of CB21, the shape file does not appear to have a buffer area included. CB21 is about 95 feet from the nearest monitor well and about 40 feet from a two-track road used to access the monitor wells. CB21 is on the opposite side of a livestock fence separating the area from the road and monitor well.

2. Clarifications on surface reclamation activities during wellfield decommissioning

- Section 6.2.4 of the license renewal application (Ex. CBR-011 from the 2015 hearing) describes surface reclamation activities that would occur during decommissioning of individual wellfields. These activities include removal of surface equipment, excavation and removal of underground infrastructure, well plugging and abandonment, backfilling, and regrading. Does CBR anticipate that such activities would extend outside of the already disturbed area? If so, in which wellfields/locations would this be likely to occur?

No, CBR does not anticipate doing any reclamation activities outside of the disturbed area. The backfilling and regrading of the disturbed area during reclamation will use soil in the disturbed area so that the contours in the disturbed area blend in with the areas beyond it. Removal of soil from outside the disturbed area is neither planned nor expected.

- Does CBR anticipate that any surface reclamation activities will take place in any mine units during the remainder of the current license renewal period (through Nov. 2024)? If so, in which mine units/locations?

No, CBR does not anticipate doing any reclamation activities during the remainder of the current license renewal period.

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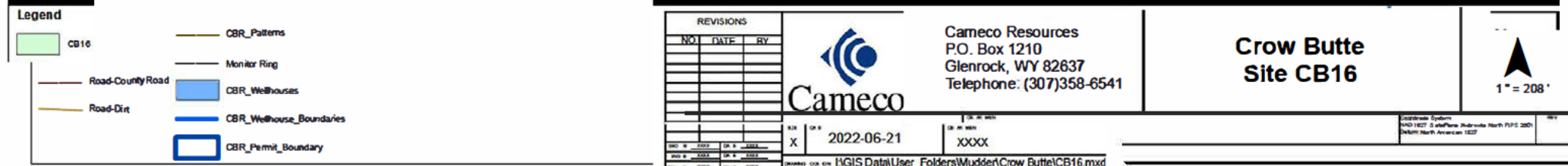
3. Have any new exploratory wells been drilled in the license area since the renewed license went into effect (i.e., since November 2014)? (If so, please provide a map showing where they are/were located.)

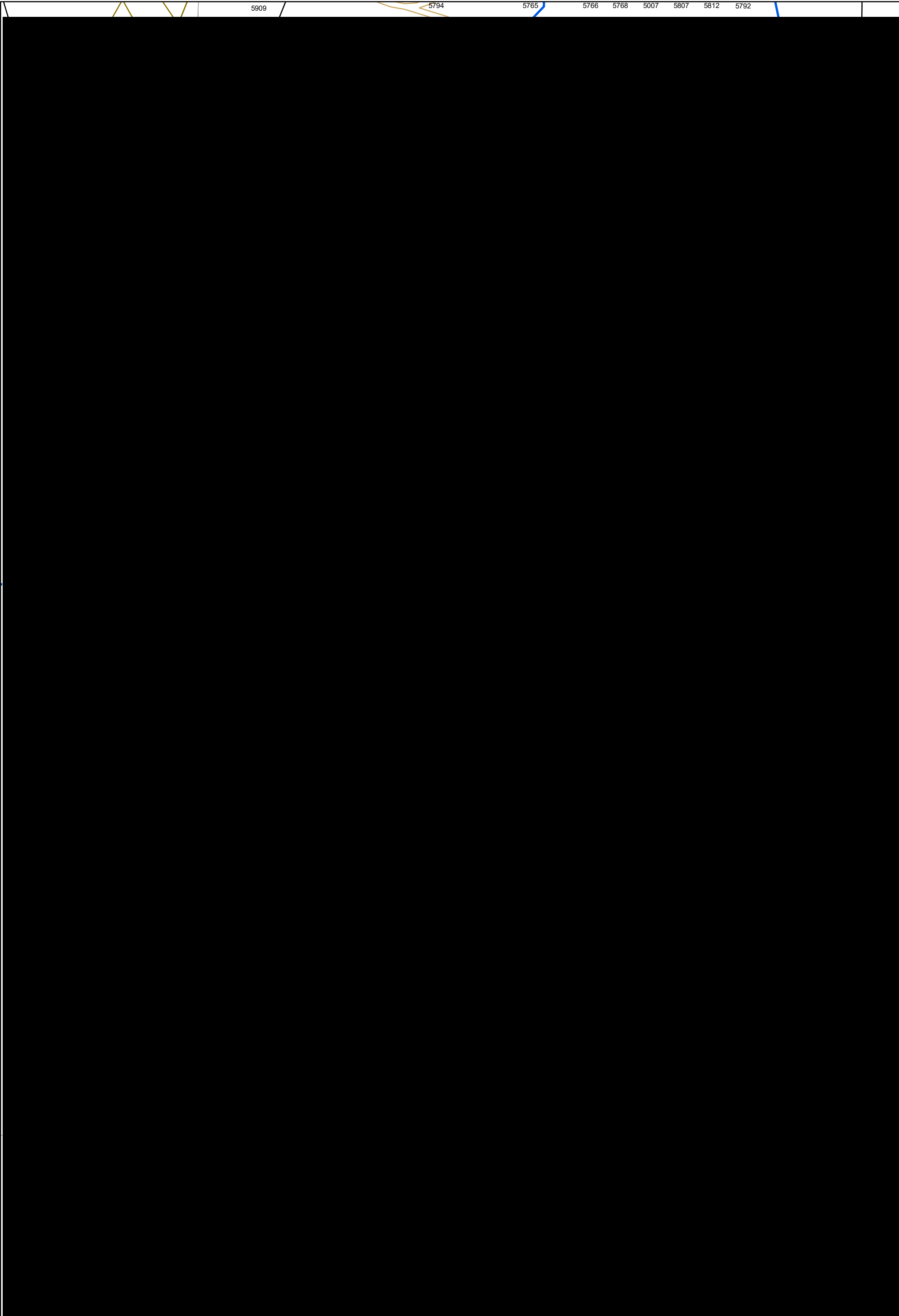
There have not been any true exploratory wells drilled since prior to November 2014. There have been nine wells drilled outside of the disturbed area since November 2014. The well locations and status are indicated on the attached map. These wells were drilled to collect core data for restoration purposes. Three of these wells were completed to be used as monitor wells during restoration. The remaining wells were plugged and abandoned.

4. Have all exploratory wells in the CBR license area been plugged and abandoned? If not, please provide a map showing locations of unplugged/unabandoned wells.

All exploratory wells not finished and cased have been plugged and abandoned.




Tate Hagman
Restoration Manager





Legend

LAYER

	CB17		CBR_Patterns
	Road-County Road		Monitor Ring
	Road-Dirt		CBR_Wellhouses
			CBR_Wellhouse_Boundaries
			CBR_Permit_Boundary

REVISIONS					
NO.	DATE	BY			
GEO B	X000X	DA E	X000X		
ENG B	X000X	DA E	X000X		
CRA S	X000X	DA E	X000X		

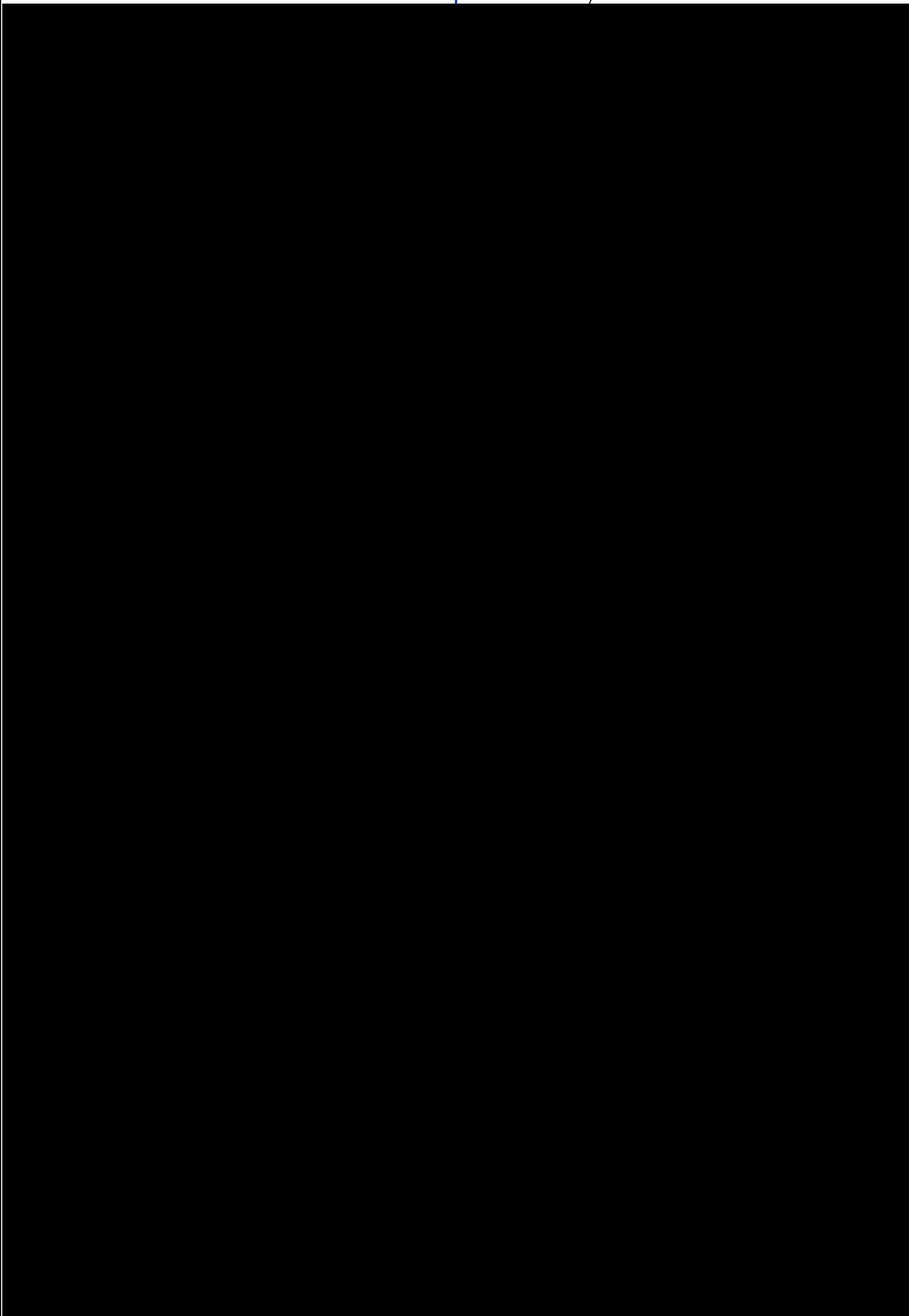


Cameco Resources
P.O. Box 1210
Glenrock, WY 82637
Telephone: (307)358-6541

Crow Butte Site CB17



DATE	2022-06-21	BY	XXXX	Coordinate System: NAD 1927 S statePlane Nebraska North FIPS 2001 Datum: North American 1927	REV
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Legend

- CB21
- CBR_Patterns
- Monitor Ring
- Road-County Road
- CBR_Wellhouses
- CBR_Wellhouse_Boundaries
- Road-Dirt
- CBR_Permit_Boundary

REVISIONS		
NO.	DATE	BY

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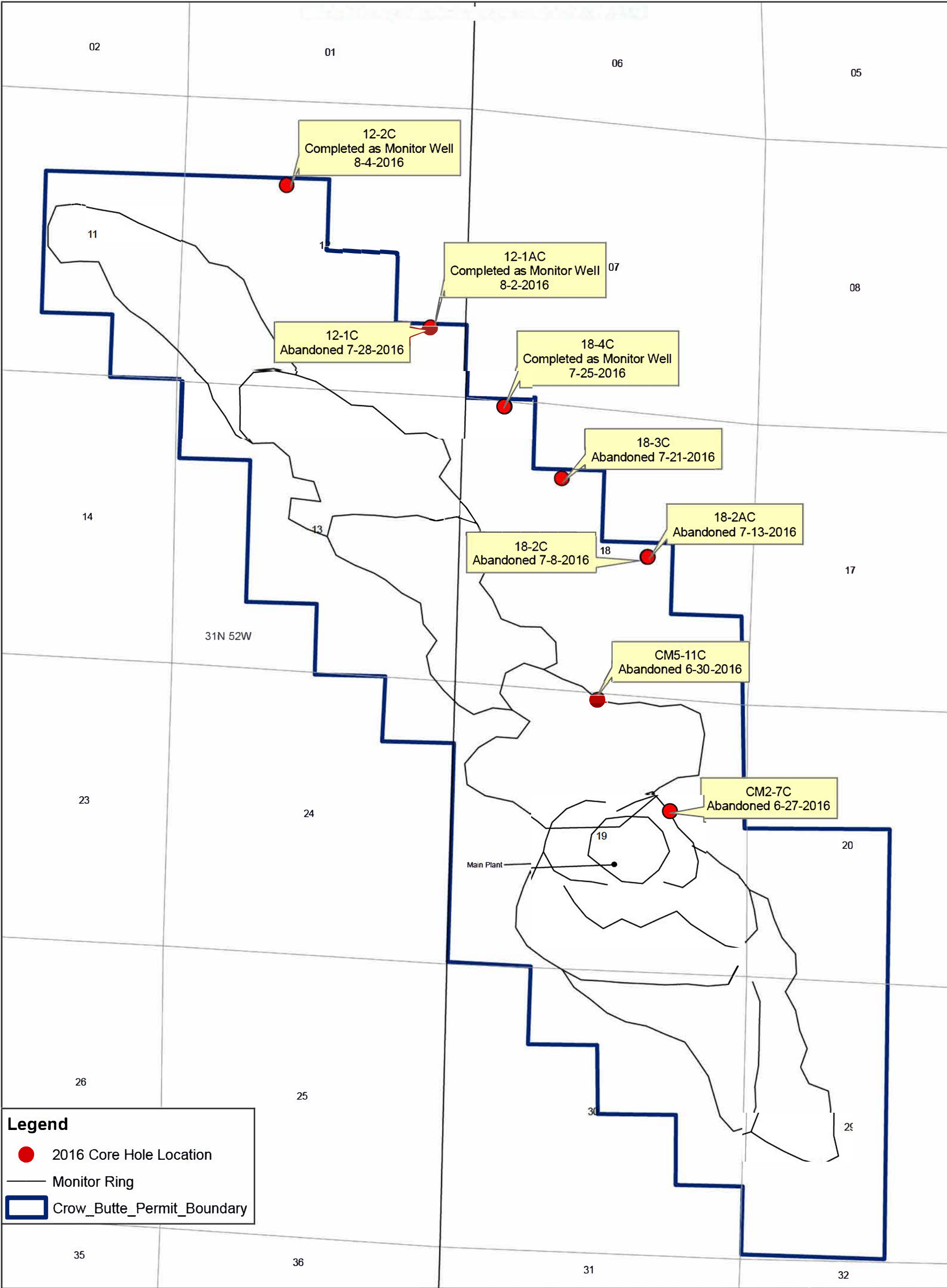
Crow Butte Site CB21

N

1" = 83'

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Legend

- 2016 Core Hole Location
- Monitor Ring
- ▭ Crow_Butte_Permit_Boundary



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Crawford, NE 69339
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**2016 Core Holes
Outside Disturbed Area
Crow Butte License Area**



SIZE X	DATE 2022-06-01	DEPARTMENT XXXX	Coordinate System: NAD 1927 StatePlane Nebraska North FIPS 2601 Datum: North American 1927	REV
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