

Hamre, John G.

From: Rusty Shaw <rusty.shaw@denbury.com>
Sent: Thursday, July 15, 2021 8:11 PM
To: -Info-Public Service Commission
Cc: Jaimee Antognazzi; Renfandt, Adam L.
Subject: Denbury ND-PSC-FPU-19-294 CHSU Lateral Pipeline Project Route Adjustment and Addition of Workspace
Attachments: pcc_doc_CHSU_MoCA_MP_11_Reroute.pdf; pcc_doc_CHSU_MoCA_MP_15_Reroute.pdf

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Per the requirements outlined in the Certification Relating to Order Provisions – Transmission Facility Siting Case No. PU-19-294 and in accordance with North Dakota Century Code (NDCC) Chapter 49-22.1-15, I have outline below the details and attached figures showing that the route adjustment and additional temporary workspace addition have not affected any know exclusion or avoidance areas; have not exceeded 1.5 miles in length; are in compliance with the commission’s order, laws, and rules designating the corridor and designating the route; and, performed detailed field studies that demonstrate that exclusion and avoidance areas will not be impacted by the proposed route adjustment and addition of temporary workspace.

Route adjustment to avoid recently identified buried utilities (CHSU-CL-003: MP 11.25 – 11.42)

Route adjustment to the south entirely within the Hadley Brothers LLP property (see attached pdf). Length of segment is 0.18 miles.

Paleontological specialists previously field surveyed and cleared that portion of the line of resources, and due to lack of exposures it was determined additional pedestrian surveys weren’t needed for this minor route adjustment.

Natural resource specialists previously field surveyed and cleared that portion of the line of features, and a review of this reroute via aerial interpretation didn’t warrant further field surveys for this minor route adjustment.

Route adjustment to avoid recently identified buried utilities (CHSU-CL-004: Milepost 14.5 - 15.1)

Route adjustment to the east entirely within Fischer property (see attached pdf). Length of segment is 0.5 miles.

Paleontological specialists previously field surveyed and cleared that portion of the line of resources, and due to lack of exposures it was determined additional pedestrian surveys weren’t needed for this minor route adjustment.

Natural resource specialists previously field surveyed and cleared that portion of the line of features, and a review of this reroute via aerial interpretation didn’t warrant further field surveys for this minor route adjustment.

Summary for cultural:

SWCA conducted a files search and Class III survey to assess proposed route realignments for the CHSU lateral in Bowman County, North Dakota.

- SWCA conducted an official files search with North Dakota SHPO on 7/13/21 to review data within 0.5-mile of the proposed realignments. The files search determined no previously identified cultural resources are within or near the proposed realignments and indicated that previous survey did not cover portions of the proposed realignments.
- Based on the desktop review, SWCA conducted Class III survey (Naomi Ollie -Principal Investigator) on 7/15/21 to allow for a 100-foot survey buffer from the proposed centerlines (200-foot-wide corridor) for areas that fell outside of previous survey for the proposed realignments.

- Survey was completed for 1.68 acres between MP 11.2 and 11.4 and 3.08 acres between MP 14.5 and 15.0. Transects were spaced at no greater than 10 m intervals.
- Ground visibility was 40 percent on average with exposures of cobble-armored slopes and ridges near MP 11.3 and sandstone outcrops near MP 14.9; ground visibility was deemed sufficient for the discovery of cultural materials and no shovel testing was conducted.
- No cultural sites or isolates were discovered.
- The survey areas indicate low potential to moderate potential for buried cultural deposits. No significant alluvial deposits or eolian deposits occur in the survey areas. SWCA does not recommend further work or construction monitoring.

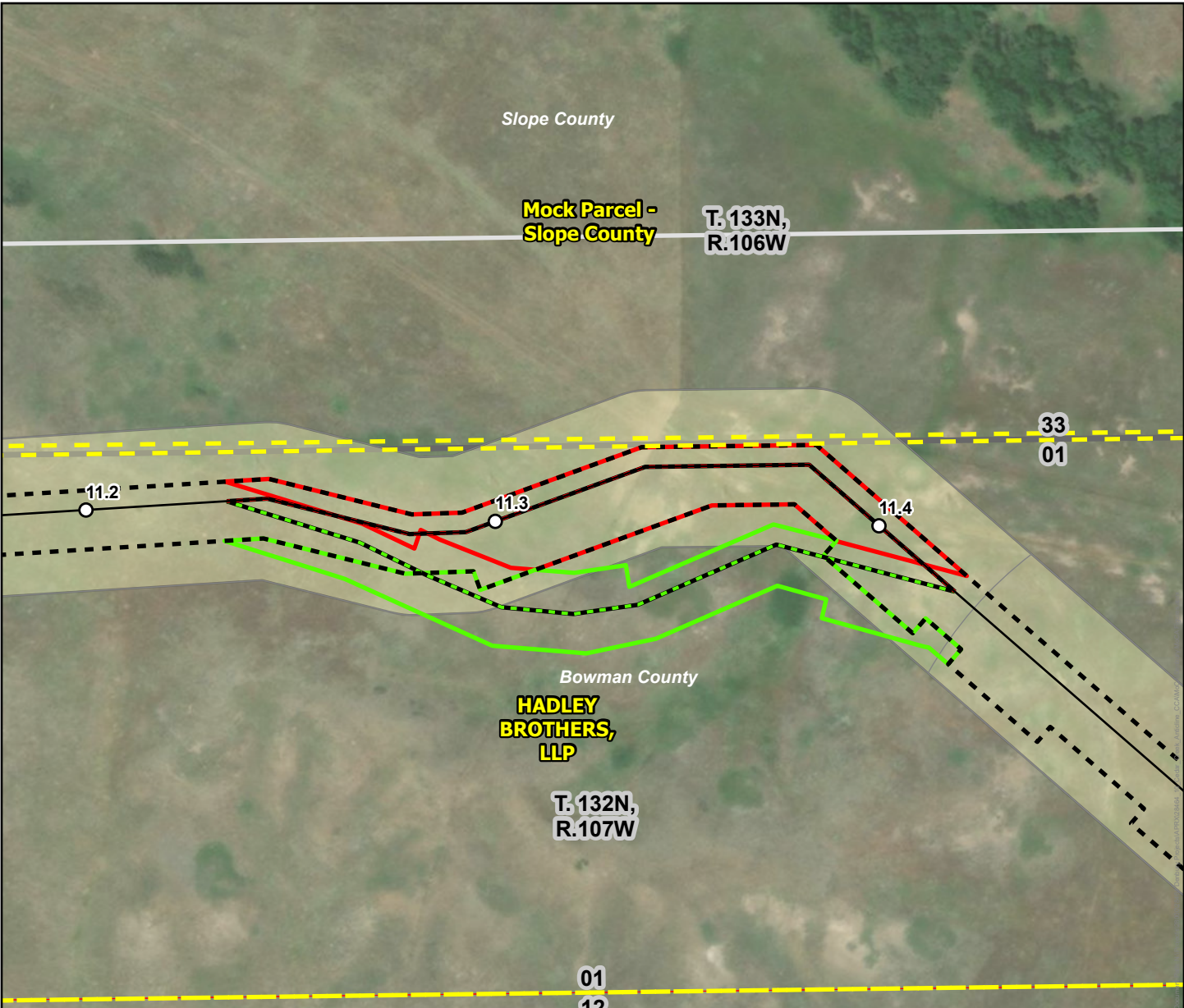
Please let me know if you have any questions.

Respectfully,

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Statistics in Acres (+/- Change in Acres)	
<u>Workspace</u>	<u>Ownership</u>
Removed: -1.35	BLM: 0.0
Added: +1.28	State: 0.0
Difference: -0.07	Private: -0.07



Cedar Hills South Unit Lateral Project
Proposed Project Change: Reroute
 Page 1 of 1

Coordinate System:
 Name: UTM83-13F
 Datum: North American 1983
 Projection: Transverse Mercator
 Page units: Foot US
 Imagery Source: USA NAIP (USDA)

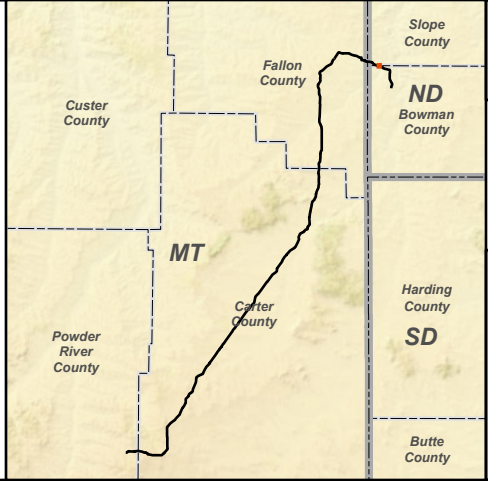
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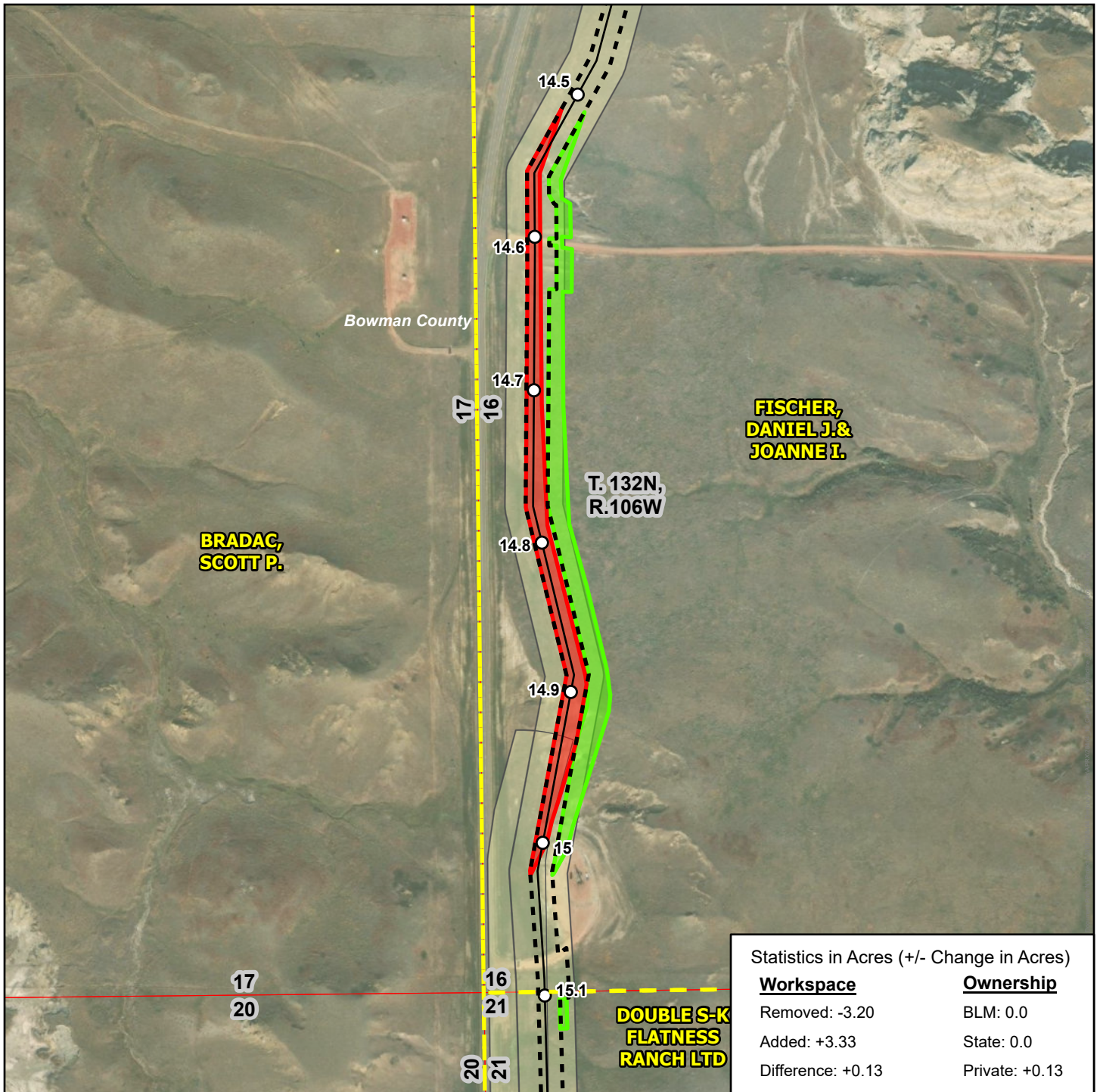
CHSU - Proposed Reroute

- Disturbance Corridor
- Mile Posts
- Centerline
- Current Survey Corridor
- County Boundary
- Township Boundary (PLSS)
- Section Boundary (PLSS)

MoCA Changes

- Added Workspace
- Removed Workspace





Statistics in Acres (+/- Change in Acres)

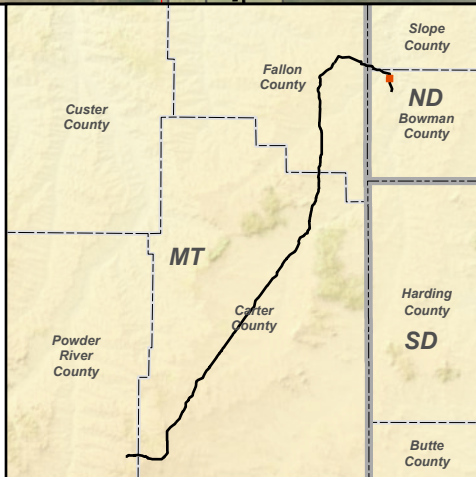
<u>Workspace</u>	<u>Ownership</u>
Removed: -3.20	BLM: 0.0
Added: +3.33	State: 0.0
Difference: +0.13	Private: +0.13

CHSU - Proposed Reroute

- Centerline
- Disturbance Corridor
- Mile Posts
- Current Survey Corridor
- Tract Boundary
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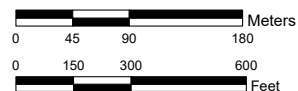


Cedar Hills South Unit Lateral Project

Proposed Project Change: Reroute

Page 1 of 1

Coordinate System:
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1:6,000

Date: 7/6/2021