

**10-Inch Crude Oil Pipeline – Belle Fourche Pipeline Company (PSC Case No. PU-14-135)**

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Permit Compliance / Construction Inspection Review

NDPSC Contract No.: PU-702-14-EE

Reporting Period: April 9, 2015 – June 9, 2015

Prepared By: Houston Engineering, Inc. / Josh Kadrmas, Environmental Engineer and Bart Schultz,  
Project Manager

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**General:**

Houston Engineering, Inc. (HEI) was contractually hired by the North Dakota Public Services Commission (NDPSC) to complete the construction inspection activities, as part of the Belle Fourche 10-inch crude oil pipeline in Billings, Dunn and Stark Counties (PSC Case No. PU-14-135). The following is a summary of the work completed to date and the completion of the permit compliance review. The following is a report summarizing the site visit on June 8, 2015. This was the second and final permit compliance site visit for the project.

**Summary of Activities / Items Completed to Date:**

The focus of our site visit was to observe that the surface grading and reseeding activities had returned the ROW to previous conditions. HEI met Don Clark from Belle Fourche Pipeline onsite at approximately 12:00 pm. Upon arrival on site, we proceeded along the ROW from the north to the south. The project was observed to be complete, with surface contours and land use returned to the previous condition.

**Compliance**


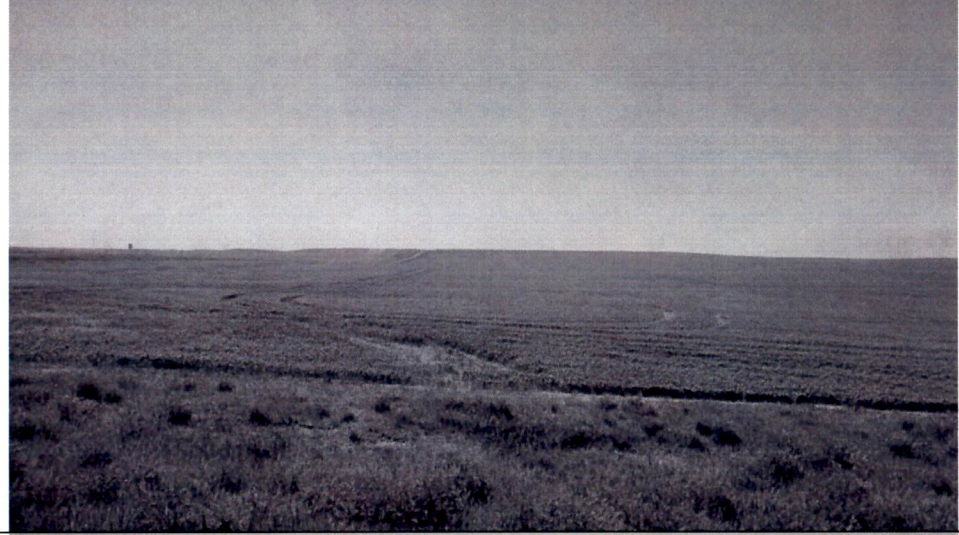
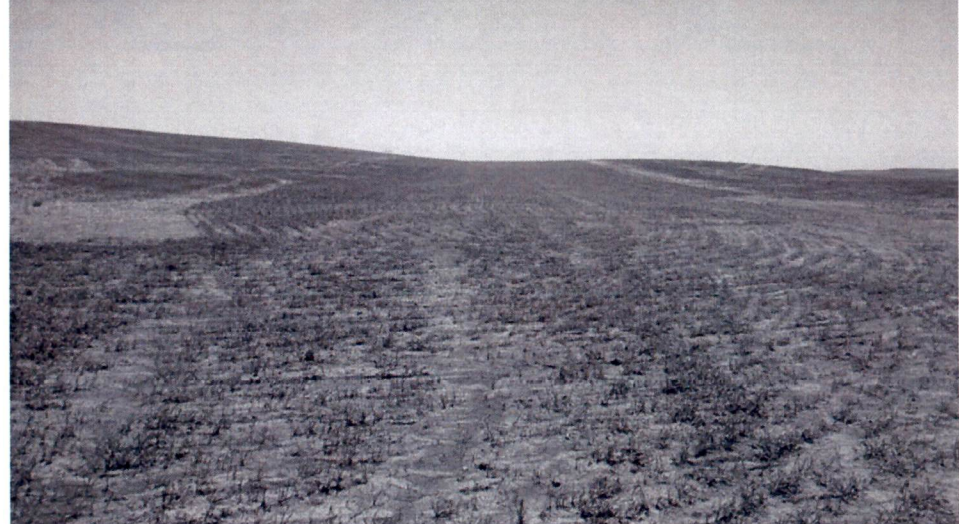
In most cases, the ROW had been returned to agricultural production, with row crops planted or pasture land revegetated. Some delayed reestablishment of vegetation was observed within portions of the ROW, however, no incidents of erosion were observed within the ROW. No other erosion control measures besides seeding was observed within the ROW. Road conditions within the construction area were in good condition.

Based on all site inspections performed by HEI staff to date, the project is currently compliant with the permit. In consideration of the revegetation efforts, some areas may take longer to reestablish vegetation or may need to be reseeded at a future date. These areas will be further inspected in the fall of 2015 to assess vegetative establishment, and will recommended any remedies at that time if necessary.

**Future Activities for the next reporting period:**

An additional site visit will be completed in the fall of 2015 to further observe reclamation / restoration activities.

# Photos

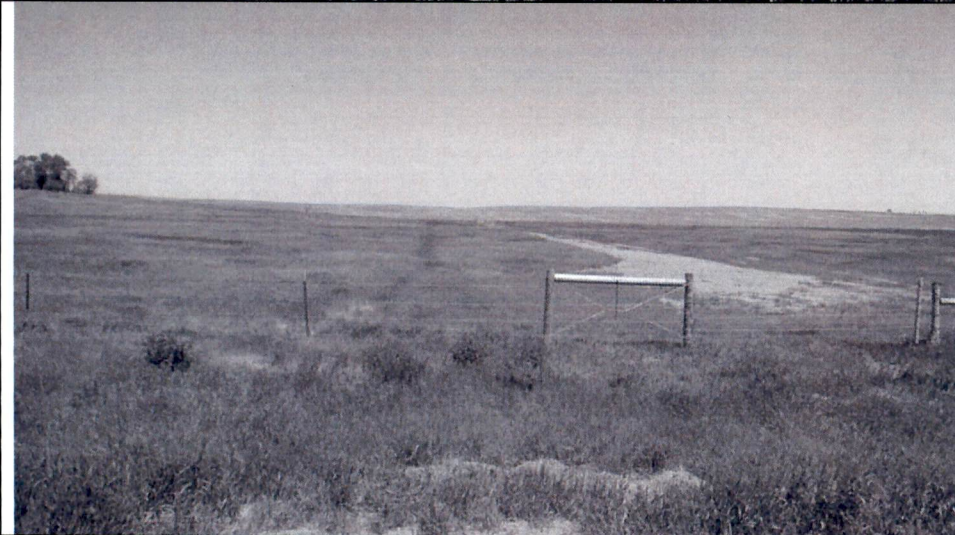
	<p><b>Photo 1:</b> Revegetated ROW near northwest end of project.</p>
	<p><b>Photo 2:</b> Reestablished row crop within ROW.</p>
	<p><b>Photo 3:</b> Temporary cover crop has emerged within ROW. Adjacent land is row cropped.</p>



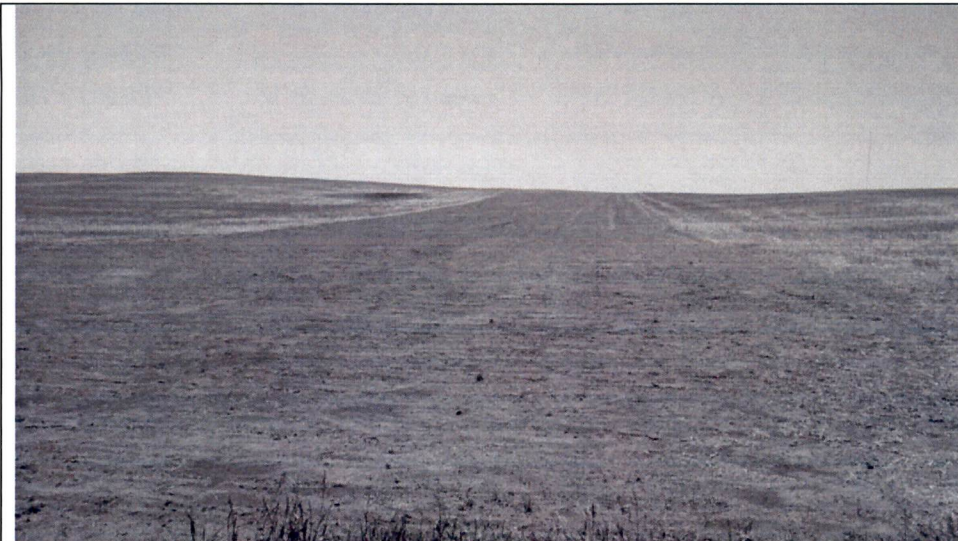
**Photo 4:**  
Area of delayed  
revegetation  
along section  
line.



**Photo 5:**  
ROW returned to  
row crop  
production.



**Photo 6:**  
Revegetated  
pasture land



**Photo 7:**  
ROW returned to  
row crop  
production



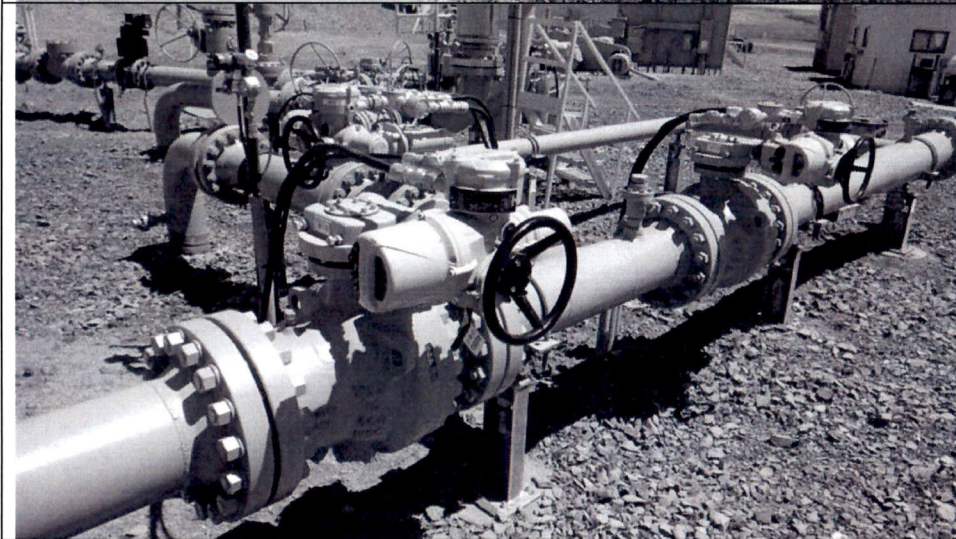
**Photo 8:**  
Planted row crop  
has emerged.



**Photo 9:**  
ROW returned to  
row crop  
production.



**Photo 10:**  
Belle Fourche  
ROW extends  
out from center  
of the photo.



**Photo 11:**  
Valve station at  
southeast extent  
of project.

# Field Notes

# Belle Fouche Pipeline

Date <u>6-9-15</u>	Day <u>Tuesday</u>
Hours Worked	
Working Days Charged	Total Working Days to Date
Reasons for Time Not Charged	

## Weather

	Temp	Wind	Sky	Precip	
AM					
PM	<u>80° F</u>				<u>Sunny</u>

**Contractor Job Safety Meetings/Briefing**     Yes     No

## Job Site Hazards/Concerns and Actions Taken

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## Engineering Staff

<u>Josh Kadomas, H&amp;E</u>
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## Work in Progress

<u>1210</u>	<u>Arrive on site @ west end. Met Don Clark Belle Fouche Bridger. Begin tour of pipe line</u>
<u>1335</u>	<u>Finished tour @ Dickinson Station. Majority of alignment has revegetated or been put back into agricultural production. No incidents of notable erosion was observed. The few patches where vegetation has not yet re-established will be monitored and re-seeded, if necessary according to Don.</u>

**Contractor's Labor Force**    1345    Leave Site

Superintendent:	Foreman:

## Contractor's Equipment Summary (include make and model)
