



Vantage Pipeline US LP Weekly Report for the week ending October 5, 2013

Case Number PU-11-109

- Approximate Progress Numbers:**
- Spread US – 80 Miles**
- **Overall Spread Progress = 44.91%**

Progress of Remaining Mainline Activities	
Mowing	100.00%
ROW	100.00%
Stringing	90.60%
Bending	79.50%
Bores / HDD	42.50%
Welding	65.20%
Coating	45.60%
Ditch	17.50%
Lower-in	13.40%
Tie-in	12.70%
Backfill	12.70%
Clean-up	4.10%
Hydrotest	0.00%

**Pipeline Construction started construction on August 1, 2013.**

- Where there any construction shut-downs this week? If so, when did construction re-start?**  
- No shut-downs this week.
- Bores (directional or slip/punch):**  
- There have been 5 bores in the past week.
- Are there cathodic protection stations installed this week? If yes, how many?**  
- There were no Cathodic Protection Stations installed this week.
- Please comment on this week’s activities for Route Restoration & Revegetation:**  
- The reclamation assessment and seed mix for ROW revegetation have been determined and ordered. Restoration and revegetation activities will begin when adequate topsoil cover has been completed along the ROW.
- Please comment on this week’s Tree & Shrub restoration activity:**  
- The reclamation assessment for tree and shrub restoration is complete. Restoration of trees and shrubs will begin when adequate topsoil cover has been completed through mapped locations.



- **Percent of restoration completed (tree removal):**
  - Tree planting will not begin until restoration activities are implemented. Coordination with landowners will be completed to determine locations where replacement trees will be planted, and desired species.
  
- **Were there any changes or deviation of the line outside the permanent vantage Right-of-Way? Note that any changes must be approved prior to construction (trenching).**
  - There were no changes or deviations to the permanent Right-of-Way this week.
  
- **Please comment on Erosion Control implementation and include 3 or 4 pictures (eg. erosion control silt fences, welding pipe, tape coating, road crossings, trenching, bending of pipe, supports and braces, safety measures for traffic control, etc.).**

- Stormwater BMPs have been installed and inspected along the entire 80 miles of ROW. Silt fence and straw wattles have been installed around drainages, between soil berms, around matting, and wetland and riparian areas for sediment control. Soil berms, ditches, and vegetative buffer zones have also been effective for control of sediment discharge. Stormwater BMP inspections were ongoing. Details of any required maintenance noted during inspections is provided to pipeline contractor on a weekly basis.

No significant precipitation occurred during this reporting period. Storm water accumulation from past events in boring pits and trenches continues to be removed by pumping water into sediment bags that are placed in heavily vegetated areas for water dispersion and in some cases placed behind an existing silt fence where space is limited.

Directional drilling of the two wetland area beginning at MPs 56.79 and 57.99 were completed by October 3, 2013. Also, a directional boring was completed under a grasslands easement at MP 59.19 on October 4, 2013. Mud pits associated with drilling activities at completed locations were backfilled and compacted with native material. No environmental issues were noted at these three drilling locations. No environmental concerns were noted associated with conventional drilling under major roads and wetlands during the reporting period. In addition, a relatively lengthy directional bore was initiated under a cultural site beginning at MP 74.98. Some release of mud and water was observed just downslope of the bore beginning. This small release of mud and water will be cleaned up once the bore has been completed.



End of directional bore at MP 56.79, prior to pulling pipe back through bore.



Removal of mud and water at the end of directional bore started at MP 59.19.



Mud and water release at directional bore site under cultural area at MP 74.98.

Trenching activities and pipe installation continued to MP14.00. Pipe stringing operations continued to MP69.00 during this reporting period. Location marking of trench breakers has been completed to MP44 ahead of trenching and pipe installation crews.



A trenching machine on the ROW.



Remote operated backfill shaker, padding the pipe.



A trench break marked near MP 44.16 along a slope in the ROW.

- Were there any sightings of threatened/endangered species (including bald or golden eagles) this week? If yes, where? Did it effect construction? Elaborate on shut-down section above if applicable.**
  - No threatened and endangered species or eagles were sighted or reported.
  
- Please comment on the stripping and segregation of topsoil this week. (% complete or miles that week – stripping phase):**
  - Topsoil stockpiles are located on the outside edge of the temporary work space and are being spread across the ROW as part of the re-grading and contouring activities. Re-grading, contouring, and topsoil cover placement was completed to MP 5 during this reporting period.



Oversize rock removal during final topsoil placement.

- **Were any cultural resources, paleontological resources, archeological resources, historical resources, or grave sites discovered during construction? There should be at least one entry at the end of the report that none of these items were seen during construction. If yes, what action was taken at the site?**

- Archaeological monitoring continued on the pipeline project from Monday, 9/30/13 through Saturday, 10/5/13.

Bones or fragments of bone were found in the surface of the graded line or in the spoil piles this week. They have been identified as cow, deer or antelope, and possible coyote. None have shown signs of butchering, and none have been found in association with artifacts. They have been compared against a comparative collection and noted, but have not been treated as archaeological resources.

No new cultural, paleontological, archaeological, or historical resources were discovered during monitoring.



## PSC Weekly Report

- **Reclamation and clean-up chainages from start-finish, please comment on coordination with ongoing construction:**
  - Regrading and topsoil spreading continued during this reporting period. Coordination with crews began and environmental monitors are on-site for topsoil spreading and determined location of final stormwater erosion control measures.
  
- **Please note locations(s) of any repairs to Fencing and Gates this week:**
  - Compromised gates and fences continue to be repaired or replaced during construction activities.
  
- **Please document the restoration of any off-Row roads this week:**
  - Restoration of off- Row roads has not been needed during the reporting period. Road restoration will be required for roads used near the lay down area south of cottonwood lake. This will be completed near the end of the pipeline construction.
  
- **Please comment on Fertilization and Reseeding activities this week:**
  - No seeding or fertilization work has occurred at this time. Formulation of appropriate seed mixtures for reclamation along the ROW has been completed.