

PU-15-142

Executive Summary
Vantage West Spur Lateral
6-7-16

Tomahawk (contractor) has continued its cleanup operations and currently have 94% of the cleanup completed. KC Harvey environmental has been following close behind seeding the plowed ROW with the proper seed mixtures, and installing BMP's where necessary for erosion control after the big rain last week.

The Vertex Landman group have approximately 70% of the landowners signed off on the reclamation of their property.

The drying of the line has continued over the past week and the contractor has reached the -49 degree F dew point that is required. 835 poly and foam pigs have been run through the entire line from block valve 1 to block valve 4.

The contractor has been working on fabrication of the scrubber at BV-4, fabrication of the spool piece that will tie-in to the OneOk facility, and fabrication of the 10x10x8 TEE that will tie-in to the original Vantage Mainline. The fabrication is scheduled to be X-rayed on Friday, June 10th. The fabrication will then be hydrostatically tested prior to installation.

The final tie-in date is scheduled for June 21st, 2016. The tie-in at BV-5 into the original Vantage Mainline will be conducted with strict procedures in place. The Vantage West Spur Lateral is expected to be completely operational by July 1st, 2016.

Please contact me at the number below for any questions or concerns.

Regards,

Garrett Pletcher
Construction Manager
Vantage West Spur Lateral
469-230-6454

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Contractor: TOMAHAWK PIPELINE **Superintendent:** Kyle Thomas **Construction Manager:** Garrett Pletcher
Client: VANTAGE Pipelines US LP **Location:** Zahl NW, ND
Project / Job #: West Spur Lateral **Weather:** HI 68 Degrees F LO 63 Precip NO Light Wind
Length (LF/Mi) / Dia: 246,720 / 8.625" **Date of Production:** Tuesday, June 7th, 2016

Crew	Activity	MnPwr		Days			Progress			Start	Avg	Avg P Avg
		Pin	Act	Pin	Act	Lat	Daily	Total to Date	%			
	Supervision	0	0	0	0	0	0	0	0.00%		0	0
	Maintenance	0	0	0	0	0	0	0	0.00%		0	0
	Trucking	0	0	0	0	0	0	0	0.00%		0	0
	Early Supervision	0	0	0	0	0	0	0	0.00%		0	0
	Environmental	0	0	0	0	0	0	0	100%		0	0
	Hydro Vac	0	0	21	19	0	0	0	100%	9/9/15	0	0
	Clearing/Grading	0	0	38	34	4	0	246720	100%	9/14/15	7179	6326
	Ditching	0	0	40	30	10	0	246720	100%	10/10/15	8145	6326
	Stringing	0	0	38	35	3	0	246720	100%	9/23/15	7049	6492
	Bending	0	0	39	30	9	0	246720	100%	9/26/15	8197	6853
	Welding	0	0	39	29	10	0	246720	100%	9/28/15	8434	6492
	Coating	0	0	39	38	3	0	246720	100%	10/1/15	8628	6492
	Lower In	0	0	41	31	10	0	245650	100%	10/10/15	7901	6326
	Backfill	0	0	41	27	14	0	223300	100%	10/10/15	8163	6326
	Tie Ins	0	0	36	0	0	0	0	09.90%		0	0
	Road Bores	0	0	38	0	0	0	0	100%		0	0
	HDD	0	0	38	0	0	0	0	100%		0	0
	Clean Up	0	0	42	0	0	0	0	94%		0	0
	Final Restoration	0	0	42	0	0	0	0	93%		0	0
	Hydro Test	0	0	14	0	0	0	0	99.90%		0	0
	Fabrication	0	0	21	0	0	0	0	99.90%		0	0
		0	0	0	0	0	0	0	0.00%		0	0

WELD DATA	UNIT	DAY	TOTAL TO DATE	QUALITY	DAILY TOTALS	XRAY TOTAL TO DATE
Joints Laid by Pipe Gang	EA	0	*4,457 Total welds	Rejects Today		67
Firing Line Welds	EA	0		HDD Welds	*4,465 total welds X-Rayed	
Tie-in Welds	EA	0		Tie In Welds		
	EA	0		Fab welds		
Road Bores	EA	0		Road Bore		
HDD Welds	EA	0		Mainline Welds		
Fabrication Welds	EA	0		Reject Rate	1.44%	1.44%

Crew	Activity	Supervisor	
	Environmental	Brad Agnew	Proper BMP's have been installed to keep the water within the right of way.
	Hydro Vac	Al Trujillo	Tomahawk plans on Hydroexcavating the original 10" vantage line and exposing the pipe to prepare for the final tie-in.
	Clearing/Grading	Gary Berthold	Completed
	Ditching		Completed
	Stringing	Josh Thomas	Completed
	Bending	George Pelayo	Completed
	Welding	Chuck Badger	
	Coating	Ed Deutsch	Final touch up of the coating began today at block valve 1.
	Lower In	Lance	Completed
	Backfill	James	Completed
	Tie Ins		Final Tie-in at BV-5 into the original vantage pipeline is scheduled for June 21st, 2016.
	Road Bores	Paul Lane/Chuck Badger	Completed
	HDD		Completed
	Final Clean Up		3.2 miles remain on the subsoil and topsoil replacement.
	Final Restoration		KC Harvey is seeding behind the contractor and approximately 3.3 miles remain.
	Hydro Test		Hydrotesting has been completed on everything except the scrubber fabrication, 10" TEE and fabrication that ties into the original Vantage line, and the spool piece that ties into ONEOK's ESD valve, Hydrotest is scheduled for 6/11/16 through 6/13/16.
	Fabrication		Fabrication is scheduled to be completed on Friday, June 10th. 2 final tie-in welds will remain to tie-in to the original Vantage 10" line.

The Vantage project is scheduled to be completed by July 1st, 2016.

Garrett Pletcher
6/7/16