POST INSPECTION MEMORANDUM

Inspector: Al Jones/WUTC
Reviewed: Joe Subsits/WUTC
Peer Reviewed: _____
Follow-Up Enforcement: No Violation
PCP* PCO* NOA WL LOC
Director Approval* _____

Date: June 30, 2011

Operator Inspected: **OPID:** 13845 **Region:** Western
Williams Gas Pipeline - West
2800 Post Oak Blvd
MC 1060/12314
Houston, TX 77056

Unit Address:
Williams Gas Pipeline – West
Sumas District
4738 Jones Road
Sumas, WA 98295

Unit Inspected: Sumas District **Unit ID:** 8355
Unit Type: Interstate Gas Transmission
Inspection Type: I01-Procedures Standard Inspection,
I07-IMP Field Verification & Follow up, and
I08-OQ Field Verification

Record Location: Sumas, WA
Inspection Dates: June 13-17, 2011
AFOD: 5.0 (I01 - 4.0, I07 - 0.5, and I08 - 0.5)
SMART Activity Number:

Operator Contact:
Phone: Justin Adams **Fax:** 360-988-2261 **Emergency:** (800) 972-7733

Unit Description:
The Sumas District receives natural gas from West Coast Energy at the Canadian border. The gas pressure is increased at the Sumas compressor station then transported south by two parallel 30" and 36" pipelines. The Sumas District extends south to State Route 92 south of Marysville at MP 1411 including approximately, 73.3 and 60.4 ROW miles of 30-inch and 36-inch transmission mainline, respectively. Most of the lines are in class 1 or 2 locations except for class 3 locations at Arlington, Deming and Stanwood. There are two compressor stations, one at Sumas and the other at Mt. Vernon. The MAOP of the pipeline system is 960 psig.

In addition to the main lines, the following laterals are within the District:

Stanwood Lateral – 8.3 mile of 6" line

Bellingham Lateral – 11.5 miles of 6" and 12" lines

Facilities Inspected:

The portion of unit inspected included compressor stations at Sumas and Mt. Vernon, a number of mainline valve stations including partially operating the valves, meter/regulator stations including overpressure protection check, rectifier stations, and the above ground span over the Skagit River. The pipe-to-soil and casing-to-soil potentials were taken at cathodic protection test stations along the right-of-way and within the compressor stations.

Inspected the completed integrity upgrades including:

A. August 2009 – recoated 70 feet of 30-inch pipe at Mt. Vernon Compressor Station, between the discharge point and the pulsation bottle. The work was undertaken to repair substandard coating and to enhance cathodic polarization.

B. November 2009 – NDT was completed on the 30-inch incoming line supports and straps to the Sumas Compressor Station yard. The pipe was evaluated for possible corrosion cells between the metal plate on the concrete support and the pipeline. There is no dielectric material placed between the pipeline and the supports. Short Range Guided Waves was used to evaluate 0.500" pipe wall at ten locations. The south support was of interest because it included a girth weld south of pipe strap #9 in the guided wave data. See Exhibit "A" (below) from Coast Wave ISONIC Investigation report for support and girth weld image. All locations were found acceptable with minimal corrosion. No additional evaluation or remediation is scheduled for this section of pipe.

C. August 2010 – recoated 85 feet of 30-inch header manifold and twelve 12" x 8" vertical meter tubes at the West Coast Meter Station in the Sumas Compressor Station yard. During the project 400 linear feet of distributed anode was placed around the West Coast Meter Station and the south and east side of B-Plant Compressor Station. The project repaired substandard coating and enhanced cathodic potentials at the B-Plant.

D. October 2010 – installed 5,168 feet of anode-flex adjacent to the 30-inch (#1401 mainline) at Jackson Creek between MP 1,454.92 and MP 1,455.90. The project increased the mainline polarization in rocky ground and high resistivity soil.

E. June 2010 – installed a string of canister anodes around valves 17L-4 and 17L2-4 at Bryant Valve Station, MP 1,427.46. The ground bed addition was completed to enhance cathodic polarization of the mainline valves.

Persons Interviewed:

Persons Interviewed	Title	Phone No.
Justin Adams	Sumas District Manager	(360) 988-2261
Randy Tarter	Assistant District Manager	(360) 988-0500
Dustin Wallis	Pipeline Safety	(801) 584-6599
Kevin Henson	Team Lead Sumas District	(509) 290-1918

Justin Reynolds	Integrity Lead - North	(509) 290-1918
Jeff Pollack	Senior Integrity	(206) 890-6259
Brian Hall	Control Specialist	(360) 988-2261
Chris Wolf	Control Specialist	(360) 988-2261
Sam Chestnut	Operation Technician III	(360) 988-2261
Kim Nelson	Operation Technician IV	(360) 988-2261
Mike Fitchner	Operation Technician V	(360) 988-2261

Probable Violations/Concerns:
None.

Follow up on the history of prior offenses that are still open:

Prior Offenses (for the past 5 years)		
CPF #	**What type of open enforcement action(s)?**	**Status of the regulations(s) violated (Reoccurrence Offenses, Implement a NOA Revision, Completion of PCO or CO, and etc...)**

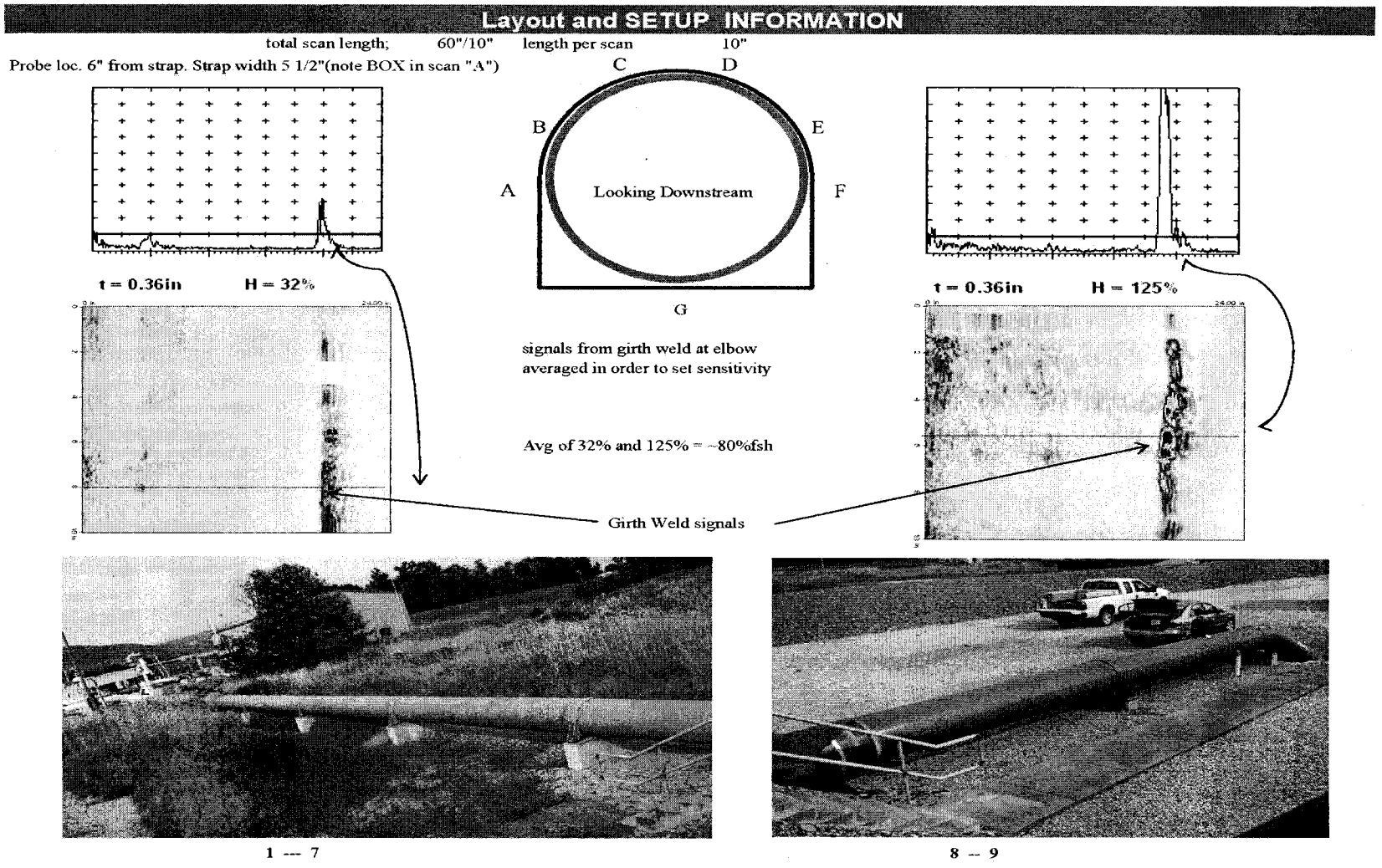
Recommendations:
This unit should continue to be inspected every other year.

Comments:
The operator is due for a Team O&M Inspection. The last Team Inspection was conducted in June 2005. The revisions made after the 2009 inspection were reviewed during this inspection.

Attachments:
PHMSA Form 1- Standard Inspection Report of a Gas Transmission Pipeline
PHMSA Form 13 - Pipeline Drug &Alcohol Questions
PHMSA Form 15 - OQ Field Inspection Protocol
PHMSA Form 16 - Gas IMP Field Verification Inspection
PHMSA Form 17 - Supplemental SCC Questionnaire Gas Transmission or Liquid Pipeline
Form W - Public Awareness Program Field Audit 1162
Field Data Collection Form
Western Region Unit Information Form

Version Date: 5/5/08

Exhibit "A"



Coast Wave ISONIC Investigation, NDT was completed on the 30-inch incoming line supports and straps to the Sumas Compressor Station yard. The south support was of interest because it included a girth weld south of pipe strap #9 in the guided wave data. No additional evaluation or remediation is scheduled for this section of pipe. (wave date on right is zone "G" and left is zone "E")