

FIELD DATA COLLECTION FORM FOR INTRASTATE INSPECTORS

NOTES-FIELD INSPECTION

Company: Northwest Natural Gas Company (NWN)

Date(s): 4/30-5/4/2018

Unit: Clark County District

Insp. No.: 7580

Field Readings									
Line & Location	Line		CP Volts		Rectifier		Pressures		Remarks
	Size	In.	P/S	Casing	Volts	Amps	Set	Actual	
NW Astor St & NW 40 th Ave, Camas							45psig	46.5psig lockup	Inlet was 215psig, relief was set at 45psig and started relieving at 48psig
NE 92 nd Ave & NE Burton Rd, Vancouver							45psig	46.5psig lockup	Inlet was 197psig
NE Betts Rd & Salmon Creek, Vancouver							45psig	45psig lockup	Inlet was 212psig
NW 289 th St & 11 th Ave, Ridgefield							44psig	45psig lockup	Inlet was 228psig, relief was set at 60psig and started relieving at 57psig
Valve 1-012-045- L-04 @ NE 162 nd Ave & NE 39 th St, Vancouver	Fullport Ball Valve	12"							Valve had good operation
Valve 1-018-053- L-04 NW lake Rd & NW Walden Rd, Camas	Plug Valve	4"							Valve had good operation
Valve 1-021-060- L-01 Hwy 140 & Face of Bridge Wall, Washougal	Plug Valve	4"							Valve had good operation
Valve 1-015-035- L-04 E 18 th St & NE Stapleton Rd,	Gear Ball Valve	8"							Valve had good operation

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Vancouver									
Washougal Gate Station Odorant Test Site									Threshold 0.01% LEL Readily Detectable 0.06% LEL
Odorant site @ 605 N Divine Rd, Vancouver									Threshold 0.05% LEL Readily Detectable 0.15% LEL
Odorant site @ 2401 NW 94 th St, Vancouver									Threshold 0.03% LEL Readily Detectable 0.10% LEL
Odorant site @ 1410 S Hillhurst Rd, Ridgefield									Threshold 0.15% LEL Readily Detectable 0.32% LEL
Bridgeline @ SW Stewart Rd & Salmon Creek, Vancouver	4" Steel								Checked both ends of pipe: Soil-to-air interface was good, insulated rollers looked good, wrap was sufficient
Bridgeline @ 4 th Plain Blvd over BNRR yards	4" Steel								Checked both ends of pipe: Soil-to-air interface was good, insulated rollers looked good, wrap was sufficient. Access is limited due to the rail yard. Bridge is checked from the roadway
Bridgeline @ Hazel Dell & BNRR, Vancouver	4" Steel								Checked both ends of pipe: Soil-to-air interface was good, insulated rollers looked good, wrap was sufficient. Access is limited due to the rail yard. Bridge is checked from the roadway
Bridgeline @ NE Andresen Rd. & I-205, Vancouver	6" steel								This pipe is inside the tub bridge crossing I-205. The bridge is accessed through manholes at each end of the bridge. Pipe is coated with a

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									yellow Resi-coat. See attached pictures in IA inspection
CP test site @ 119311 NE 132 nd Ave, Battle Ground			-1947mV						On read
CP test site @ NE 11 th Ct & E Main St, Battle Ground			-1656mV						On read
CP test site @ N 65 th Ave & N 1 st Circle, Ridgefield			-1586mV						On read
CP test site @ 31088 NW Spencer Rd, Ridgefield			-1545mV						On read
CP test site @ 8 Cook St, Ridgefield			-1434mV						On read
CP test site @ 707 Chestnut St, Vancouver			-1020mV						On read
CP test site @ 2350 W 26 th St, Vancouver			-1020mV						On read
CP test site @ 1200 W 8 th St, Vancouver			-1370mV						On read
CP test site @ 1107 Z St, Vancouver			-984mV						On read
CP test site @ 805 Columbia Ridge Dr, Vancouver			-960mV						On read
CP test site @ NE 26 th St & NE 160 th			-1312mV						On read

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Ave, Vancouver									
CP test site @ NW Ash St & NW 14 th Ave, Camas			-1304mV						On read
CP test site @ 1420 NE 19 th Ave, Camas			-1354mV						On read
CP test site @ 421 K St, Washougal			-1490mV						On read
CP test site @ 35500 Evergreen Blvd, Washougal			-1435mV						On read
Casing site @ NW 289 th & I-5, Ridgefield			-1453mV	-400 mV					On read
Casing asset ID 120063, Vancouver			-1182mV	-409 mV					On read
Casing asset ID 124290, Vancouver			-1097mV	-114 mV					On read
Casing site @ NE 277 th Ave & 19 th St, Camas			-1438mV	-154 mV					On read
Casing site @ NE 9 th St & Reg Station, Camas			-1438mV	-174 mV					On read
Casing site @ Evergreen St & 2 nd Ave, Washougal			-1564mV	-502 mV					On read
Rectifier site @ NW 269 th & Reiman Rd, Ridgefield			-1764mV		6.56V	3.2A			10A/50mV Shunt
Rectifier site @ SE 7 th St & SE 116 th			-1847mV		7.0V	1.9A			50A/50mV Shunt

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Ave, Vancouver									
Rectifier site @ NE Everett St & NW Lake Rd, Camas			-1417mV		9.0V	1.3A			50A/50mV Shunt

Calibrated equipment dates: Voltmeter 35550047 recalibration due date 7/24/18
Half-cell recalibration due date 10/3/18
Odorometer 625 recalibration due date 5/31/19
Odorometer 697 recalibration due date 2/23/20
Gauges recalibration due date 3/5/19