

FIELD DATA COLLECTION FORM FOR INTRASTATE INSPECTORS

NOTES-FIELD INSPECTION

Company: Puget Sound Energy

Date(s): May 8-10, 16,17, 2017

Unit: Thurston/Lewis

Insp. No. 7228

Field Readings									
Line & Location	Line		CP Volts (mV CSE)		Rectifier		Pressures (psig)		Remarks (Pressures in psig)
	Size	In.	P/S	Casing	Volts	Amps	Set	Actual	
OT-0058 S 3 rd and Alder RS- 1364									Interpolated Odorant Read .46
OT-0127 109 Forest Napavine Rd									Interpolated Odorant Read .51
OT-0070 Capitol Steam Plant									Interpolated Odorant Read .397
OT-0109 555 Trosper Rd									Interpolated Odorant Read .20
OT-0192 902 Algiers DR NE									Interpolated Odorant Read .379
TS-053484 300 South First St			-1125						Galvanic System Test Site
TS-030678 774 Frost			-1594 on -1044 off						
TS-045455 Kerron and Fir			-1338 on -1105 off	-419 on -429 off					
TS-032079 SW Alder and SW Front			-1259 on -1036 off	-359					
TS-074129 Chase and Sturdevant			-1316 on - 1025 off						
TS-075903 South Pacific and Kelley			-1297 on - 1022 off	-799 on -632 off					

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SW									
156 NW Market TS-065973			-1673						Individual Service
TS-075845 New York and NW Folsom			-485						<p>interruption signature not seen – Low reading.</p> <p>After the field portion of the inspection was completed PSE went out and performed additional testing to ensure they had adequate protection.</p> <p>The CP department went out and confirmed that all of the test sites found with low reads during the Thurston/Lewis field audit had a differential greater than 100mV when tested using the 100mV shift criteria. Please see below for the 100mV shift reads for each site below.</p> <p>TS-075845– Instant OFF - 0.561V, OFF PSP on 05/18/2017 -0.384V = 177mV – M5-11307760-----11307754</p>
TS-075855 NW Sitka and NPRR			-505 and -574 (two visits during						interruption signature not seen – Low reading.

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			field inspection)						<p>After the field portion of the inspection was completed PSE went out and performed additional testing to ensure they had adequate protection.</p> <p>The CP department went out and confirmed that all of the test sites found with low reads during the Thurston/Lewis field audit had a differential greater than 100mV when tested using the 100mV shift criteria. Please see below for the 100mV shift reads for each site below.</p> <p>TS-075855– Instant OFF - 0.721V, OFF PSP on 05/18/2017 -0.593V = 128mV – M5-11307760</p>
TS-075866 N National and Coal Creek			-1596 on -897 off						
TS-075856 E Summa and Gold St PS-0409 IC- 039399			-973 on -701 off		5.37 V	2.46 A			<p>15% on output</p> <p>After the field portion of the inspection was completed PSE went out and performed additional testing to ensure they had adequate</p>

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									<p>protection.</p> <p>The CP department went out and confirmed that all of the test sites found with low reads during the Thurston/Lewis field audit had a differential greater than 100mV when tested using the 100mV shift criteria. Please see below for the 100mV shift reads for each site below.</p> <p>TS075856 – Instant OFF - 0.752V, OFF PSP on 05/18/2017 -0.526V = 226mV – M5-11307759</p>
TS-057773 Gold and E Summa			-1363 on -854 off						
TS-66501 1607 Military Rd			-1374						Galvanic EUF Individual Service
TS-038106 419 Yew St			-898						Individual Service
TS-057097 G St and West 5 th			-1758 on - 955 off	-319 on -289 off					
PS 0261 IC-037064 W 6 th and Pearl St			-1893 on -925 off -1608 on -867 off		2.58V	2.86A			Output not noted
TS-060740 1434 Waddell Rd Rainier Gate			-854						Galvanic TS
PS-0265 Rainier Rectifier			-1728 on -1054 off		2.18V	.38			Output 4% Shunt reading was 1.9x .2 SF

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TS-072575 First and Yelm Ave W			-1497 on -1175 off						
TS-059322 Nisqually Cutoff Kuhlman Rd			-1257						Galvanic TS
PS-0212 Trailblazer ST and Trailblazer LP			-1633 on -793 off		12.7V	1.28A			<p>Output 23%</p> <p>After the field portion of the inspection was completed PSE went out and performed additional testing to ensure they had adequate protection.</p> <p>The CP department went out and confirmed that all of the test sites found with low reads during the Thurston/Lewis field audit had a differential greater than 100mV when tested using the 100mV shift criteria. Please see below for the 100mV shift reads for each site below.</p> <p>IC-037015 (for 1 power source)</p> <p>Power Source: PS-0212– Instant OFF - 0.752V, OFF PSP on 05/17/2017 -0.589V = 163 mV – M5-11307752</p>

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TS-065659 7257 12 th Ave NE			-1037					Individual Service
TS-066243 300 Desmond Dr Se			-1747					Individual Service
TS-043912 6869 41 Ave SE			-1641 on -995					
TS-044343 Carpenter Rd SE and NPRR			-1348 on -1072 off	-311				
PS-211 IC- 037014 Donnelly Dr SE and Windemere Dr SE			-1567 on -893 off Tested nearest service - 1626 on -998 off		4.9V	.72A		10% Output
TS-056275 IC- 037001 Shelburne Way SE & Old Morse Rd SE			-1640 on -913 off					
TS-046054 1508 Becker Dr			-1202					Galvanic Test Site
TS-056137 19 Ln SE & Wilson St SE			-1174 on -950 off					
TS-053477 1906 Parkwood Dr Se			-1220					Galvanic Test Site
PS-0231 IC- 037034 Gerth St Sw and Capitol Blvd			-1544 on -787 off		13.45V	2A		13% Output After the field portion of the inspection was completed PSE went out and performed additional testing to ensure they had adequate protection.

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									<p>The CP department went out and confirmed that all of the test sites found with low reads during the Thurston/Lewis field audit had a differential greater than 100mV when tested using the 100mV shift criteria. Please see below for the 100mV shift reads for each site below.</p> <p>IC-037034 (for 1 power source and 1 test site) Power Source: PS-0231– Instant OFF - 0.809V, OFF PSP on 05/17/2017 -0.575V = 234mV – M5-11307758</p>
TS-034358 Tyee Dr and Kingswood Dr			-976 on -655 off	-161 on -466 off					<p>After the field portion of the inspection was completed PSE went out and performed additional testing to ensure they had adequate protection.</p> <p>The CP department went out and confirmed that all of the test sites found with low reads during the Thurston/Lewis field audit had a differential greater</p>

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									<p>than 100mV when tested using the 100mV shift criteria. Please see below for the 100mV shift reads for each site below.</p> <p>IC-037034 (for 1 power source and 1 test site) Test Site: TS-034358– Instant OFF - 0.706V, OFF PSP on 05/17/2017 -0.583V = 123 mV – M5-11307753</p>
TS-044620 9701 Blomberg Rd SW			-1138 on -853 off						
TS-009199 Mottman Rd SW			-1666						Individual Service
TS-053332 2824 Fireweed Rd NW			-1059						Galvanic Test Site
TS-066355 2211 57 Way NW			-1332						EUF Individual Service
RS-1360 1010 Centralia Alpha Rd							Run 2 LU SP 277 Run 2 Relief SP 290	Run 2 377.4 inlet Run 2 277.5 as found 277 as left Run 2 Relief as found 288 Run 3 failed as found at 277.6	Valve VA01895 Checked OK RTU showing 272.6 outlet Gauge #607633 Exp 10-01-17 Gauge #1065147 Exp 10-01-17

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								As left 276.8	
RS-0629 McMillan Gate 3188 Jackson Hwy							LU SP 27 Relief SP 32	110.4 station inlet 25.9 first stroke LU 27.2 second stroke LU	MAOP 130 Relief skipped this time due to traffic exposure
RS-2657 N. Military							LU SP 77 Relief SP 62	138 station inlet 55.8 flowing 56.8 Run 1 LU Relief as found 62.4	Valve VA-07260 Checked OK Gauge #467958 Exp 10-01- 17 Gauge #3341410 Exp 10- 01-17
RS-1356 1434 Waddell Rd Rainier Gate							LU SP 42	236 inlet 39.9 flowing Run 1 LU as found 42 Relief 46	MAOP 44 Gauge #1035724 Exp 8-01- 17 Gauge #123661 Exp 8-01- 17 Gauge #1065118 Exp 8-01- 17 Gauge #106154 Exp 8-01- 17
RS-2807 14 th and							Run 1	Run 1	Gauge #1221334 Exp 8-01-

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Ruddell Rd							interstage LU SP 148 Run 1 monitor SP LU 57	flowing 137.1 Inlet 236 Run 1 LU 51.95 as found Run 1 monitor 57 as found Run 2 flowing 136.8	17 MAOP 250 Valve VA-23813 Checked OK Valve VA-23894 Checked OK
RS-2602 Ostrom Farms at Marvin Rd and Steilacoom							Run 1 SP LU 52 Run 1 interstage LU SP 147 Run 1 monitor SP LU 57	Run 1 inlet 232.8 Run 1 LU 51.9 as found Run 1 interstage 149.6 as found 147 as left Run 1 monitor 56.7 as found	Outlet Valve VA-06886 Checked OK

