

REDACTED



TEXAS EASTERN TRANSMISSION, LP

2018 CLOSE INTERVAL SURVEY

FOR

OWSV-WHEE:10:VS-01
(26921+14 TO 26951+74)

PERFORMED BY: ALLIED CORROSION INDUSTRIES, INC.

ON/OFF SURVEY COMPLETED: AUGUST 17, 2018

SUB-METER GPS: TRIMBLE AG114S WITH OMNISTAR DIFFERENTIAL CORRECTION

ON/OFF CYCLE: 3 SECONDS ON – 1 SECOND OFF

CORPORATE HEADQUARTERS

P .O. Box 9098
Marietta, GA 30065
Tel: 770-425-1355
Fax: 770-425-1354

MOBILE OFFICE

134 McIntosh Bluff Rd
Fairhope, AL 36532
Tel: 800-241-0809
Fax: 770-425-1354

HOUSTON OFFICE

P. O. Box 41333
Houston, TX 77241-1333
Tel: 713-467-6003
Fax: 713-467-1174

CORPUS CHRISTI OFFICE

P. O. Box 950
Corpus Christi, TX 78403
Tel: 316-500-3264
Fax: 770-425-1355

www.alliedcorrosion.com

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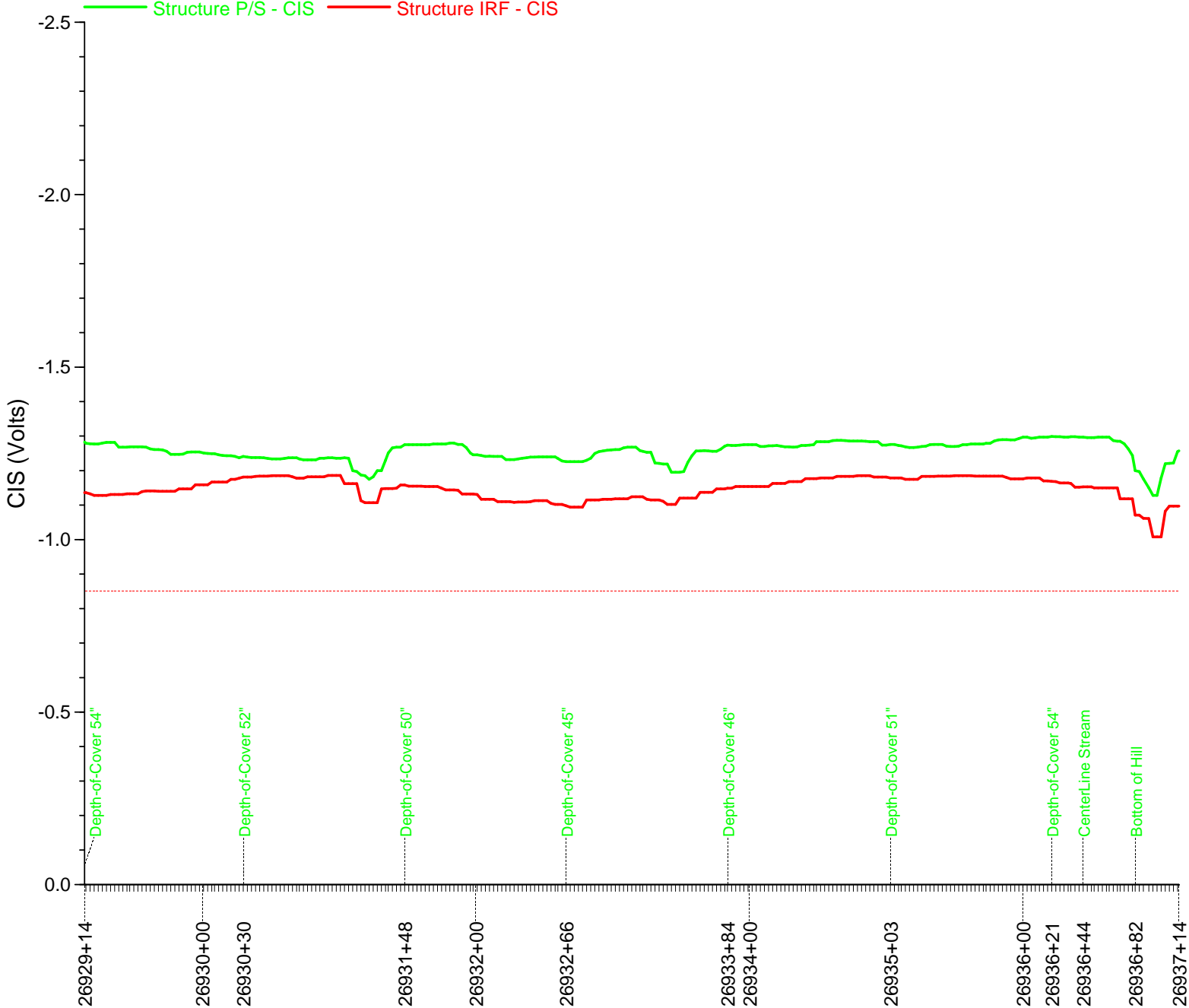
ROW Code: OWSV-WHEE:10:VS-01; TEXAS EASTERN TRANSMISSION, LP - Pipe:



100 Feet/Inch

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EXCEPTION REPORT
TEXAS EASTERN TRANSMISSION, LP
OWSV-WHEE:10:VS-01

ON POTENTIALS LESS NEGATIVE THAN 850mV												
Beginning						Ending						Segment Length (Ft)
MP	Stationing	ON	OFF	Latitude	Longitude	MP	Stationing	ON	OFF	Latitude	Longitude	
	26943+97	-0.838	-0.790				26944+63	-0.841	-0.786			66
	26945+97	-0.842	-0.815				26946+96	-0.844	-0.794			99

OFF POTENTIALS LESS NEGATIVE THAN 850mV												
Beginning						Ending						Segment Length (Ft)
MP	Stationing	ON	OFF	Latitude	Longitude	MP	Stationing	ON	OFF	Latitude	Longitude	
	26943+38	-0.947	-0.843				26944+98	-0.898	-0.841			160
	26945+93	-0.901	-0.840				26947+23	-0.912	-0.847			130

OFF POTENTIALS MORE NEGATIVE THAN 1200mV												
Beginning						Ending						Segment Length (Ft)
MP	Stationing	ON	OFF	Latitude	Longitude	MP	Stationing	ON	OFF	Latitude	Longitude	
	26921+14	-1.527	-1.205				26921+98	-1.470	-1.201			84
	26922+09	-1.443	-1.201				26925+79	-1.288	-1.200			370
	26927+03	-1.297	-1.202				26927+72	-1.280	-1.203			69

REDACTED
RECONNECT REPORT
TEXAS EASTERN TRANSMISSION, LP
OWSV-WHEE:10:VS-01

MP	Stationing	ON	OFF	Notes	Latitude	Longitude	Elevation	ON/OFF CI Survey											
								Survey Date	ACV	FAR Ground ON	FAR Ground OFF	NEAR Ground ON	NEAR Ground OFF	Metal IR ON	Metal IR OFF	Casing	Crossing		
	26921+14	-1.5270	-1.2050	(MP 509.8700) Begin Survey at Test Station, PipeLine Marker			726.0	8/17/2018											
	26944+37	-0.7710	-0.7280	(MP 510.3100) Test Station, PipeLine Marker			868.1	8/17/2018	0.0260	-0.7810	-0.7320	-0.7710	-0.7300	-0.0100	-0.0020				
	26951+74	-1.2340	-1.1150	End Survey at PipeLine Marker			1098.9	8/17/2018											

REDACTED
DEPTH-OF-COVER OVERVIEW
TEXAS EASTERN TRANSMISSION, LP
OWSV-WHEE:10:VS-01

MP	Stationing	DOC (inches)	Notes	Latitude	Longitude	Elevation
	26921+14		(MP 509.8700) Begin Survey at Test Station, PipeLine Marker			726.0
	26922+09	41	Depth-of-Cover 41"			730.4
	26923+28	48	Top of Slope, Depth-of-Cover 48"			735.8
	26924+45	45	Depth-of-Cover 45"			739.0
	26925+61	45	Depth-of-Cover 45"			740.9
	26926+79	52	Depth-of-Cover 52"			741.0
	26927+94	50	Depth-of-Cover 50"			733.3
	26929+09	54	Depth-of-Cover 54"			739.3
	26930+30	52	Depth-of-Cover 52"			743.7
	26931+48	50	Depth-of-Cover 50"			746.7
	26932+66	45	Depth-of-Cover 45"			752.1
	26933+84	46	Depth-of-Cover 46"			752.9
	26935+03	51	Depth-of-Cover 51"			755.6
	26936+21	54	Depth-of-Cover 54"			759.5
	26937+38	46	Depth-of-Cover 46"			765.5
	26938+58	61	Depth-of-Cover 61"			772.4
	26939+72	64	Depth-of-Cover 64"			777.7
	26940+80	56	Depth-of-Cover 56"			793.9
	26941+75	61	Depth-of-Cover 61"			811.9
	26942+69	62	Depth-of-Cover 62"			834.7
	26943+64	60	Depth-of-Cover 60"			853.9
	26944+59	91	Depth-of-Cover 91"			869.7
	26945+36	88	Depth-of-Cover 88"			896.5
	26946+17	86	Depth-of-Cover 86"			923.3
	26947+03	84	Depth-of-Cover 84"			943.8
	26947+89	48	Depth-of-Cover 48"			967.2
	26948+59	43	Depth-of-Cover 43"			996.4
	26949+32	67	Depth-of-Cover 67"			1028.4

REDACTED
DEPTH-OF-COVER OVERVIEW
TEXAS EASTERN TRANSMISSION, LP
OWSV-WHEE:10:VS-01

MP	Stationing	DOC (inches)	Notes	Latitude	Longitude	Elevation
	26950+07	48	Depth-of-Cover 48"			1055.3
	26950+89	50	End Canopy, Depth-of-Cover 50"			1079.1
	26951+74		End Survey at Pipeline Marker			1098.9



TEXAS EASTERN TRANSMISSION, LP

2018 CLOSE INTERVAL SURVEY

FOR

**OWSV-WHEE:15:VS-01
(26921+14 TO 26951+70)**

PERFORMED BY: ALLIED CORROSION INDUSTRIES, INC.

ON/OFF SURVEY COMPLETED: AUGUST 17, 2018

SUB-METER GPS: TRIMBLE AG114S WITH OMNISTAR DIFFERENTIAL CORRECTION

ON/OFF CYCLE: 3 SECONDS ON – 1 SECOND OFF

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Corpus Christi, TX 78403
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Fax: 770-425-1355

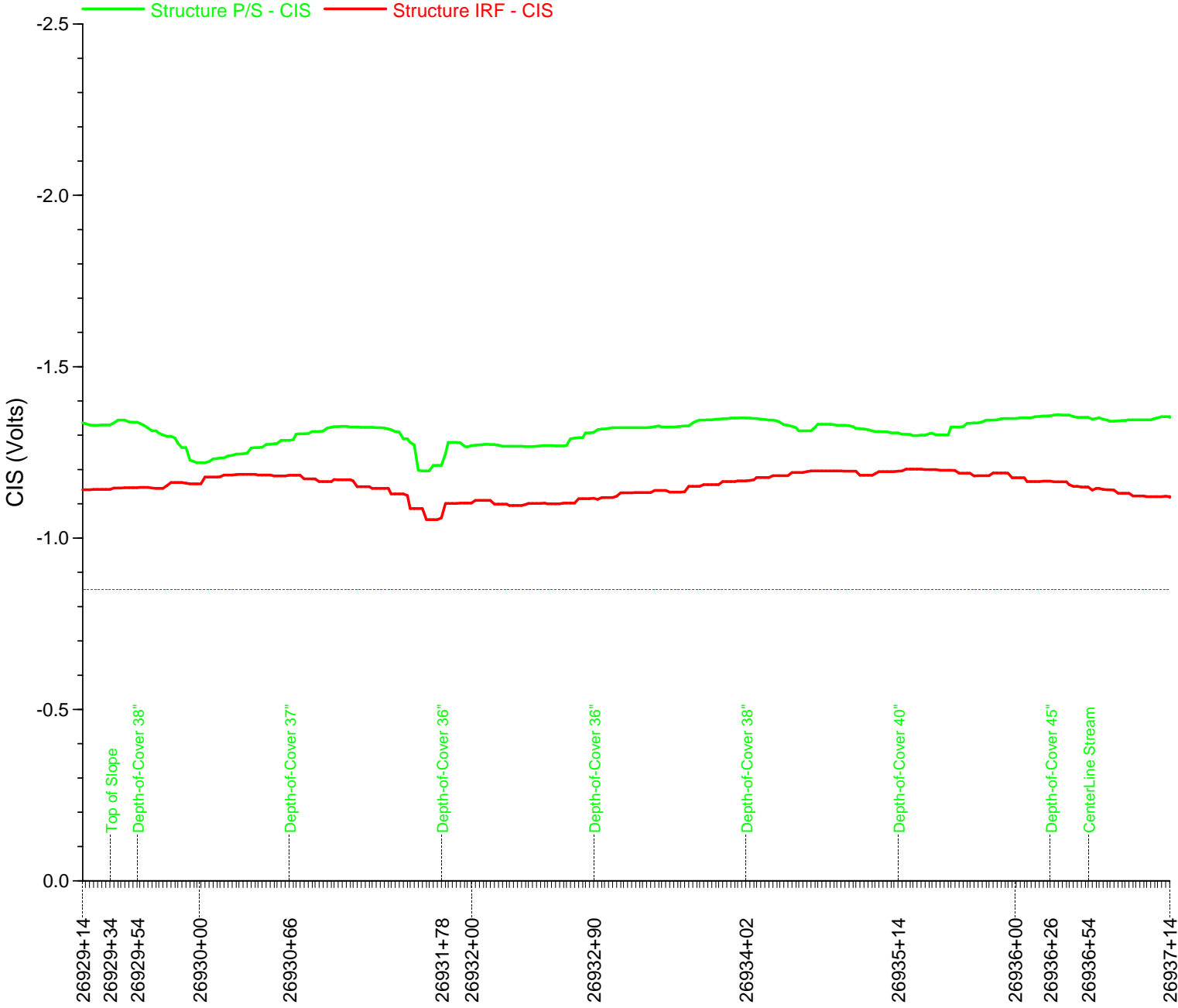
www.alliedcorrosion.com

ROW Code: OWSV-WHEE:15:VS-01; TEXAS EASTERN TRANSMISSION, LP - Pipe:



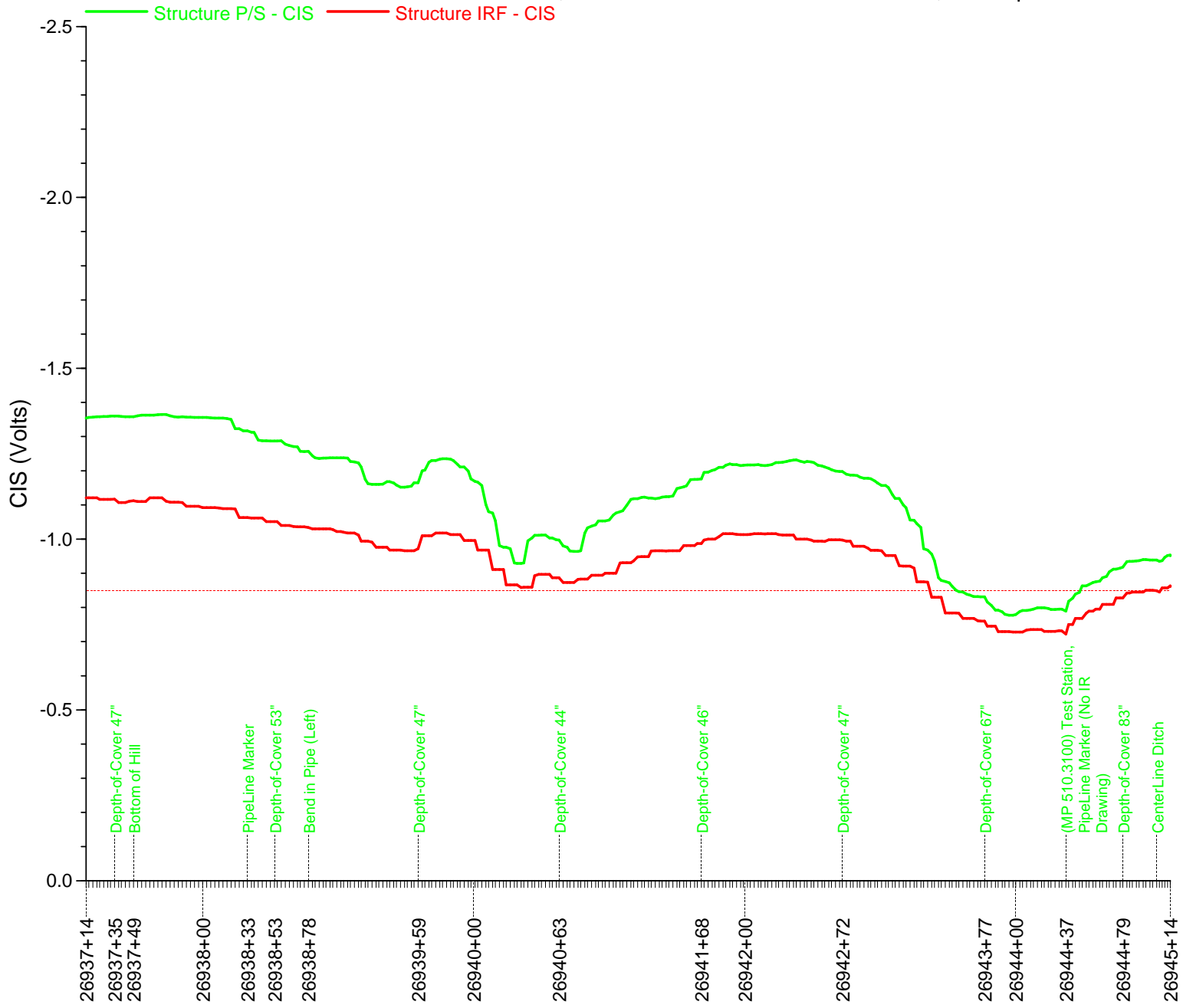
100 Feet/Inch

ROW Code: OWSV-WHEE:15:VS-01; TEXAS EASTERN TRANSMISSION, LP - Pipe:



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100 Feet/Inch

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100 Feet/Inch

EXCEPTION REPORT
 TEXAS EASTERN TRANSMISSION, LP
 OWSV-WHEE:15:VS-01

ON POTENTIALS LESS NEGATIVE THAN 850mV												
Beginning						Ending						Segment Length (Ft)
MP	Stationing	ON	OFF	Latitude	Longitude	MP	Stationing	ON	OFF	Latitude	Longitude	
	26943+58	-0.846	-0.783				26944+47	-0.844	-0.768			89
	26946+34	-0.841	-0.742				26946+49	-0.845	-0.754			15
	26947+03	-0.847	-0.775				26947+17	-0.849	-0.780			14

OFF POTENTIALS LESS NEGATIVE THAN 850mV												
Beginning						Ending						Segment Length (Ft)
MP	Stationing	ON	OFF	Latitude	Longitude	MP	Stationing	ON	OFF	Latitude	Longitude	
	26943+38	-0.956	-0.830				26944+94	-0.940	-0.845			156
	26945+04	-0.939	-0.849				26945+06	-0.935	-0.845			2
	26945+68	-0.935	-0.843				26947+44	-0.908	-0.838			176

OFF POTENTIALS MORE NEGATIVE THAN 1200mV												
Beginning						Ending						Segment Length (Ft)
MP	Stationing	ON	OFF	Latitude	Longitude	MP	Stationing	ON	OFF	Latitude	Longitude	
	26921+14	-1.600	-1.207				26921+27	-1.575	-1.204			13
	26921+36	-1.572	-1.205				26921+41	-1.564	-1.205			5
	26921+52	-1.558	-1.201				26921+66	-1.553	-1.203			14
	26922+18	-1.440	-1.202				26925+66	-1.370	-1.212			348
	26926+94	-1.353	-1.207				26927+50	-1.346	-1.204			56
	26935+20	-1.303	-1.201				26935+42	-1.301	-1.200			22

RECONNECT REPORT
 TEXAS EASTERN TRANSMISSION, LP
 OWSV-WHEE:15:VS-01

MP	Stationing	ON	OFF	Notes	Latitude	Longitude	Elevation	ON/OFF CI Survey											
								Survey Date	ACV	FAR Ground ON	FAR Ground OFF	NEAR Ground ON	NEAR Ground OFF	Metal IR ON	Metal IR OFF	Casing	Crossing		
	26921+14	-1.6000	-1.2070	(MP 509.8700) Begin Survey at Test Station, PipeLine Marker			730.7	8/17/2018	0.0802	-1.5840	-1.2050	-1.6000	-1.2080	0.0160	0.0030				
	26944+37	-0.7890	-0.7220	(MP 510.3100) Test Station, PipeLine Marker (No IR Drawing)			880.1	8/17/2018											
	26951+70	-1.3120	-1.1170	End Survey at PipeLine Marker, Top of Hill			1102.6	8/17/2018											

DEPTH-OF-COVER OVERVIEW
 TEXAS EASTERN TRANSMISSION, LP
 OWSV-WHEE:15:VS-01

MP	Stationing	DOC (inches)	Notes	Latitude	Longitude	Elevation
	26921+14		(MP 509.8700) Begin Survey at Test Station, PipeLine Marker (TPR:FG -1.584V/-1.205V, MIR 0.016V/0.003V, NG -1.600V/-1.208V) (ACV: 0.0802V)			730.7
	26921+66	34	Depth-of-Cover 34"			733.1
	26922+76	38	Depth-of-Cover 38"			740.2
	26923+87	34	Depth-of-Cover 34"			745.7
	26924+97	42	Depth-of-Cover 42"			748.6
	26926+07	40	Depth-of-Cover 40"			748.9
	26927+19	44	Depth-of-Cover 44"			742.8
	26928+33	38	Depth-of-Cover 38"			741.8
	26929+54	38	Depth-of-Cover 38"			749.1
	26930+66	37	Depth-of-Cover 37"			752.9
	26931+78	36	Depth-of-Cover 36"			756.7
	26932+90	36	Depth-of-Cover 36"			762.5
	26934+02	38	Depth-of-Cover 38"			762.4
	26935+14	40	Depth-of-Cover 40"			766.4
	26936+26	45	Depth-of-Cover 45"			772.7
	26937+35	47	Depth-of-Cover 47"			776.7
	26938+53	53	Depth-of-Cover 53"			784.8
	26939+59	47	Depth-of-Cover 47"			795.5
	26940+63	44	Depth-of-Cover 44"			810.5
	26941+68	46	Depth-of-Cover 46"			827.9
	26942+72	47	Depth-of-Cover 47"			847.1
	26943+77	67	Depth-of-Cover 67"			869.4
	26944+79	83	Depth-of-Cover 83"			889.5
	26945+66	44	Depth-of-Cover 44"			917.8
	26946+49	58	Depth-of-Cover 58"			938.7
	26947+32	47	Depth-of-Cover 47"			960.5
	26948+15	47	Depth-of-Cover 47"			991.8

DEPTH-OF-COVER OVERVIEW
 TEXAS EASTERN TRANSMISSION, LP
 OWSV-WHEE:15:VS-01

MP	Stationing	DOC (inches)	Notes	Latitude	Longitude	Elevation
	26948+98	53	Depth-of-Cover 53"			1019.7
	26949+81	56	Depth-of-Cover 56"			1047.0
	26950+67	46	Depth-of-Cover 46"			1074.0
	26951+56	43	Depth-of-Cover 43"			1099.7
	26951+70		End Survey at Pipeline Marker, Top of Hill			1102.6



TEXAS EASTERN TRANSMISSION, LP

2018 CLOSE INTERVAL SURVEY

FOR

**OWSV-WHEE:25:VS-01
(26921+14 TO 26951+73)**

PERFORMED BY: ALLIED CORROSION INDUSTRIES, INC.

ON/OFF SURVEY COMPLETED: AUGUST 17, 2018

SUB-METER GPS: TRIMBLE AG114S WITH OMNISTAR DIFFERENTIAL CORRECTION

ON/OFF CYCLE: 3 SECONDS ON – 1 SECOND OFF

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100 Feet/Inch

EXCEPTION REPORT
 TEXAS EASTERN TRANSMISSION, LP
 OWSV-WHEE:25:VS-01

ON POTENTIALS LESS NEGATIVE THAN 850mV												
Beginning						Ending						Segment Length (Ft)
MP	Stationing	ON	OFF	Latitude	Longitude	MP	Stationing	ON	OFF	Latitude	Longitude	
There were no exceptions found.												

OFF POTENTIALS LESS NEGATIVE THAN 850mV												
Beginning						Ending						Segment Length (Ft)
MP	Stationing	ON	OFF	Latitude	Longitude	MP	Stationing	ON	OFF	Latitude	Longitude	
	26940+45	-0.987	-0.821				26941+08	-0.962	-0.837			63
	26943+51	-0.974	-0.840				26944+80	-0.957	-0.846			129
	26946+98	-0.942	-0.840				26947+28	-0.912	-0.836			30

OFF POTENTIALS MORE NEGATIVE THAN 1200mV												
Beginning						Ending						Segment Length (Ft)
MP	Stationing	ON	OFF	Latitude	Longitude	MP	Stationing	ON	OFF	Latitude	Longitude	
	26922+03	-1.488	-1.203				26925+82	-1.385	-1.200			379
	26927+25	-1.364	-1.206				26927+62	-1.355	-1.200			37
	26935+28	-1.332	-1.201				26935+37	-1.330	-1.201			9

RECONNECT REPORT
 TEXAS EASTERN TRANSMISSION, LP
 OWSV-WHEE:25:VS-01

MP	Stationing	ON	OFF	Notes	Latitude	Longitude	Elevation	ON/OFF CI Survey											
								Survey Date	ACV	FAR Ground ON	FAR Ground OFF	NEAR Ground ON	NEAR Ground OFF	Metal IR ON	Metal IR OFF	Casing	Crossing		
	26921+14	-1.5720	-1.1980	(MP 509.8700) Begin Survey at Test Station, PipeLine Marker			731.2	8/17/2018											
	26944+37	-0.9010	-0.8120	(MP 510.3100) Test Station, PipeLine Marker			883.4	8/17/2018	0.0347	-0.9260	-0.8170	-0.9020	-0.8130	-0.0210	-0.0030				
	26951+73	-1.3230	-1.1190	End Survey at PipeLine Marker			1102.8	8/17/2018											

DEPTH-OF-COVER OVERVIEW
 TEXAS EASTERN TRANSMISSION, LP
 OWSV-WHEE:25:VS-01

MP	Stationing	DOC (inches)	Notes	Latitude	Longitude	Elevation
	26921+14		(MP 509.8700) Begin Survey at Test Station, PipeLine Marker			731.2
	26922+03	45	Depth-of-Cover 45"			735.0
	26923+18	35	Depth-of-Cover 35"			742.9
	26924+36	43	Depth-of-Cover 43"			748.8
	26925+67	51	Depth-of-Cover 51"			750.4
	26926+89	51	Depth-of-Cover 51"			745.0
	26928+07	56	Bottom of Slope, Depth-of-Cover 56"			736.9
	26929+19	50	Depth-of-Cover 50"			745.5
	26930+39	51	Depth-of-Cover 51"			752.1
	26931+53	45	Depth-of-Cover 45"			754.5
	26932+69	58	Top of Slope, Depth-of-Cover 58"			761.3
	26933+95	58	Depth-of-Cover 58"			762.0
	26935+13	53	Depth-of-Cover 53"			764.2
	26936+32	55	Depth-of-Cover 55"			768.1
	26937+47	63	Depth-of-Cover 63"			775.3
	26938+56	61	Depth-of-Cover 61"			787.2
	26939+58	61	Depth-of-Cover 61"			796.6
	26940+60	56	Begin Canopy, Depth-of-Cover 56"			808.9
	26941+61	71	Depth-of-Cover 71"			820.8
	26942+61	67	Depth-of-Cover 67"			840.7
	26943+61	75	Depth-of-Cover 75"			1121.2
	26944+59	70	Depth-of-Cover 70"			889.3
	26945+45	60	Depth-of-Cover 60"			913.2
	26946+32	53	Depth-of-Cover 53"			941.2
	26947+19	84	Depth-of-Cover 84"			961.0
	26948+06	59	Depth-of-Cover 59"			989.1
	26948+93	54	Depth-of-Cover 54"			1016.7
	26949+80	69	Depth-of-Cover 69"			1047.3

DEPTH-OF-COVER OVERVIEW
TEXAS EASTERN TRANSMISSION, LP
OWSV-WHEE:25:VS-01

MP	Stationing	DOC (inches)	Notes	Latitude	Longitude	Elevation
	26950+67	57	Depth-of-Cover 57"			1073.0
	26951+54	54	End Canopy, Depth-of-Cover 54"			1099.8
	26951+73		End Survey at Pipeline Marker			1102.8