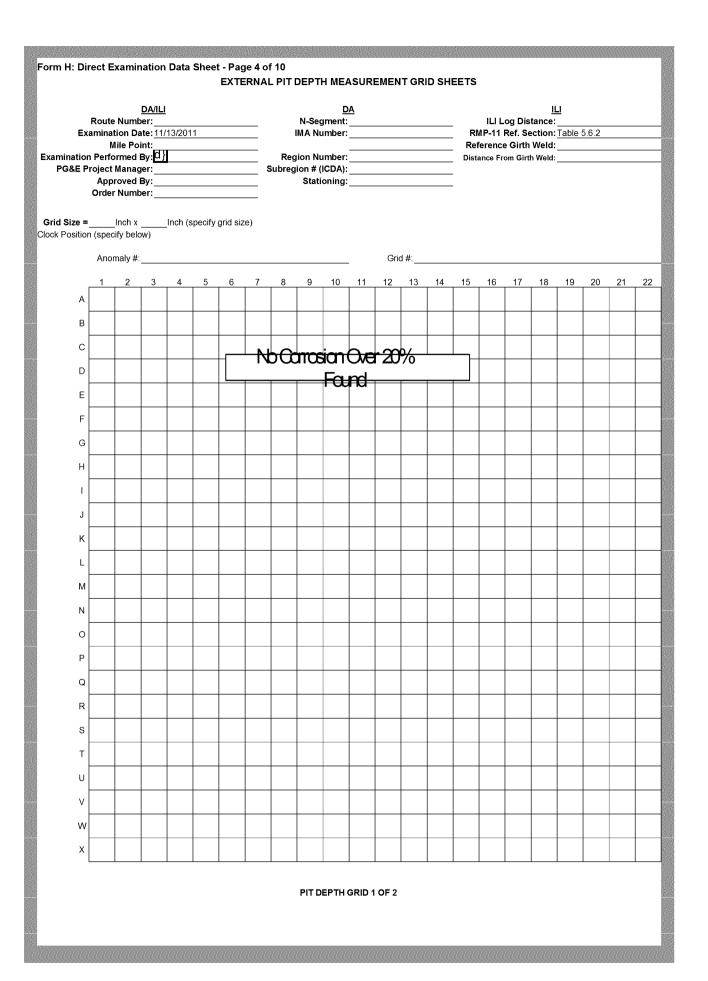
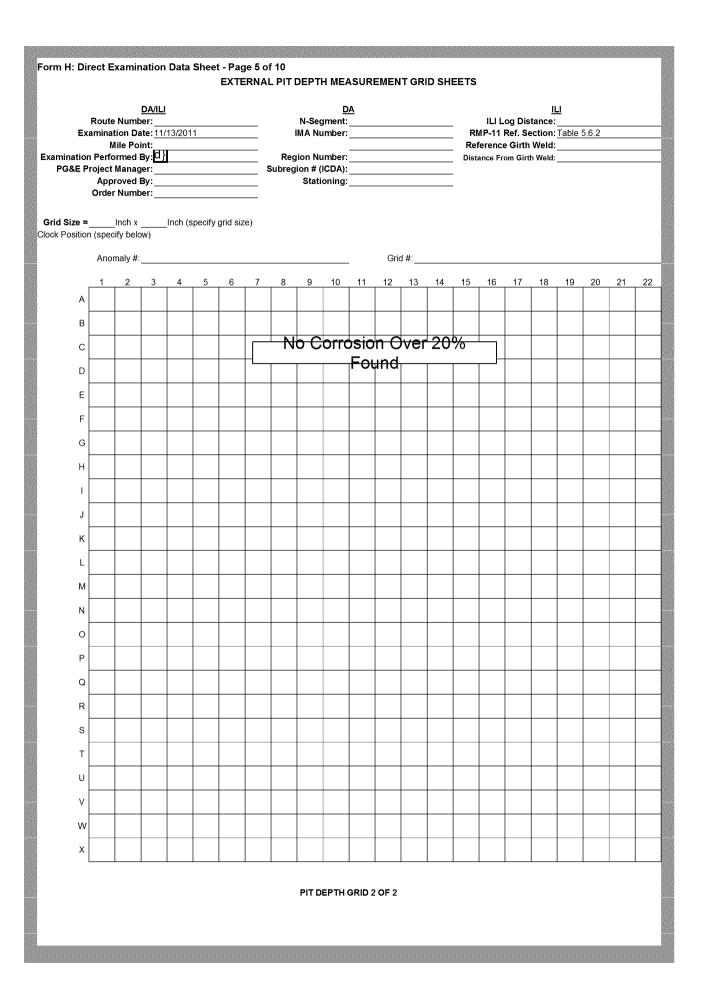
| Form H: Direct Examination Data S   | heet - Page 1 of 10                          |                           |                                  |     |
|---|--|---------------------------|----------------------------------|-----|
| <u>DA/ILI</u>   | <u>DA</u>                                    |                           | <u>ILI</u>                       |     |
| Route Number: Examination Date: 11/13/2011                                | N-Segment:<br>IMA Number:                    |                           | RMP-11 Ref. Section: Table 5.6.2 |     |
| Mile Point:   |  |                           | Reference Girth Weld:            |     |
| Examination Performed By: [0] PG&E Project Manager:                       | Region Number: Subregion # (ICDA):           |                           | Distance From Girth Weld:        |     |
| Approved By:  | Stationing:                                  |                           |                                  |     |
| Order Number:   |  | E                         |                                  |     |
| Excavation Priority:  |  | Excavation Reason         | 🗆                                |     |
|   | (For ILI - 1 Year Other)                     | = =                       | LI Recoat                        |     |
| Monitor Effectiven  | ess ICDA                                     | ICDA                      | Other MAOP Validation            |     |
| If practical, take P/S or CIS reads Excavation Details: Centerline on GPS |  |                           |                                  |     |
| Northing:   | PI   |                           | Ft.):                            |     |
|   |  |                           | Ft):                             |     |
|   | Coordinates (Uncorrected Field Measurem      | nent): GPS File Na        | me:                              |     |
| Easting:  |  |                           |                                  |     |
|   | Coordinates (Corrected Field Measuremen      |                           |                                  |     |
| Northing:<br>Easting:   |  | Nominal Pipe Diame        | eter:                            |     |
| 1.0 Data Before Coating Removal   |  |                           |                                  |     |
| 1.1 Native Soil Type:   | Clay Rock Sand                               | Loam Wet                  | Other                            |     |
|   |  |                           |                                  |     |
| 1.1a Backfill Material Found  | Sand Slurry Native                           | Depth of Cover (          | Ft.):                            |     |
| Comments:   |  |                           |                                  |     |
| 1.2 Coating Type: HA  | A Somastic Plastic T                         | ape Wax Tape              | FBE Powercrete                   |     |
| Bare/None   | Paint Other:                                 | Comments: Po              | or condition disbonded           |     |
| Coating Thickness (Inches):   | 1/8" Numb                                    | per of Layers: 1          |                                  |     |
| 1.3 Holiday Testing Performed   | P: Yes No Voltage Used:                      | M                         | ap Location of Holidays Below.   |     |
| Device Used   |  | omments:                  |                                  |     |
| 1.4 Pipe-to-Soil Potentials in D Comments:                                | tch (-mV): US: neg 1190 mv                   |                           | DS: neg 1190 mv                  |     |
| 1.5 Soil Resistivity in Ditch (Ω-   | em).   |                           |                                  |     |
| Method: 4-Pin   |  | Soil Box                  | 5300 ohms                        |     |
| 1.6 Soil Sample Location:   | Comments: D/S end                            |                           |                                  |     |
| 1.7 Ground Water Present?:<br>Comments:                                   | Yes No Sample(s) C                           | ollected?: Yes            | No Sample pH:                    |     |
| 1.8 Coating Condition:  | Good - Adhered to Pipe                       | Fair - Coating Partiall   | y Disbonded or Degraded          |     |
|   | Poor - Coating Significantly Disbond         | led or Missing            |                                  |     |
| Comments: Coating disbon  | ded and falling off with soil removal 100% o | over expossed pipe.       |                                  |     |
| 1.9 Map of Coating Degradatio   | ×*.  | Zoro Boforones Bainte : d | as of synoscool nine             |     |
| *Note any calcareous deposit  |  | _                         | ge of expossed pipe.             |     |
| 12 o'clock  | <u> </u>                                     | Flow -                    |                                  | - I |
| .2 0 0100 K   |  |                           |                                  |     |
|   |  |                           |                                  |     |
| 9 o'clock   |  |                           |                                  | 1   |
|   |  |                           |                                  |     |
| 6 o'clock   |  |                           |                                  |     |
| 3 O GOCK  |  |                           |                                  |     |
|   |  |                           |                                  |     |
| 3 o'clock   |  |                           |                                  | -   |
|   |  |                           |                                  |     |
| 12 o'clock  |  |                           |                                  |     |
| Feet 0 1  | 2 3 4 5                                      | 5 6                       | 7 8 9                            | 10  |
|   |  |                           |                                  |     |

No Coating Degradation Found

| Form H: Direct Examination Data Sheet - Page  | 2 of 10  |                            |                 |                                 |                    |  |  |  |  |  |  |  |
|---|--|----------------------------|-----------------|---------------------------------|--------------------|--|--|--|--|--|--|--|
| DA/ILI  | <u>DA</u>  |                            |                 | <u>II</u>                       | <u>LI</u>          |  |  |  |  |  |  |  |
| Route Number:   | N-Segment:   |                            |                 | g Distance:                     |                    |  |  |  |  |  |  |  |
| Examination Date: 11/13/2011 Mile Point:  | _ IMA Number:  |                            |                 |                                 | Table 5.6.2        |  |  |  |  |  |  |  |
| Examination Performed By: d}  | Region Number:   |                            | Distance From   |                                 |                    |  |  |  |  |  |  |  |
| PG&E Project Manager:   |  |                            |                 |                                 |                    |  |  |  |  |  |  |  |
| Approved By:<br>Order Number:   | _ Stationing:  |                            |                 |                                 |                    |  |  |  |  |  |  |  |
| — — —   | -  |                            |                 |                                 |                    |  |  |  |  |  |  |  |
| <b>1.10 Photos Taken?*:</b> Yes No *See Photo Log for additional information.       |  |                            |                 |                                 |                    |  |  |  |  |  |  |  |
| 1.11 Coating Sample Taken?: Yes   | 1.11 Coating Sample Taken?:  Yes Docation of Sample: D/S end |                            |                 |                                 |                    |  |  |  |  |  |  |  |
| 1.12 Liquid Underneath Coating?: Yes No If Yes, pH of Liquid:                       |  |                            |                 |                                 |                    |  |  |  |  |  |  |  |
| 1.13 Corrosion Product Present?: Yes No If Yes, Was Sample Taken?: Yes No Comments: |  |                            |                 |                                 |                    |  |  |  |  |  |  |  |
| 1.14 Soil pH (Sb Electrode): Upstream: 6.6  | 5 Downs  | stream: <u>6.5</u>         | _               |                                 |                    |  |  |  |  |  |  |  |
| 2.0 Data After Coating Removal  |  |                            |                 |                                 |                    |  |  |  |  |  |  |  |
| 2.1 Pipe Temperature (°F):  | Me   | asured Pipe Diameter (I    | n.):            |                                 |                    |  |  |  |  |  |  |  |
| 2.2 Weld Seam Type: DSAW  | SSAW ERW   | SMLS                       |                 |                                 |                    |  |  |  |  |  |  |  |
| Spiral  | Lap Flash  | AO Smith                   |                 |                                 |                    |  |  |  |  |  |  |  |
|   |  |                            |                 | determine, v<br>n macroetch     |                    |  |  |  |  |  |  |  |
| 2.3 Girth Weld Coordinates:  Northing:  |  |                            |                 | k identify typ<br>i.7.3, Elemei |                    |  |  |  |  |  |  |  |
| Easting:  |  |                            | i abie c        | .7.5, Elemei                    | 11( 2.2)           |  |  |  |  |  |  |  |
| Elevation:  |  | LS                         | Weld Clock Po   | sition:                         |                    |  |  |  |  |  |  |  |
| 2.4 Damage Found:   |  |                            |                 |                                 |                    |  |  |  |  |  |  |  |
| Corrosion Damage? Yes   | No Me  | chanical Damage?           | Yes             | No                              |                    |  |  |  |  |  |  |  |
| Other Damage:   |  |                            |                 |                                 |                    |  |  |  |  |  |  |  |
| 2.5 UT Wall Thickness Measurements: TDC   | · 0 149" 1 O'cle   | ock: 0.149"                | 2 O'clock: 0.14 | 9"                              | 3 O'clock: 0.149"  |  |  |  |  |  |  |  |
| 4 O'clock   |  |                            | 6 O'clock: 0.14 |                                 | 7 O'clock: 0.149"  |  |  |  |  |  |  |  |
| 8 O'clock   | 0.149" 9 O'clo   | ock: 0.149" 1              | 0 O'clock: 0.14 | 9"                              | 11 O'clock: 0.149" |  |  |  |  |  |  |  |
| 2.5a Nominal Wall Thickness: 0.148"   |  |                            |                 |                                 |                    |  |  |  |  |  |  |  |
| UT Wall Thickness Grid @ 6:00 is required.  | Be sure to attach grid to                                    | Form H electronically.     | See page 6 of   | 10.                             |                    |  |  |  |  |  |  |  |
| 2.6 Wet Fluorescent Mag. Part. Is Required.   | Comments: Two linear   | indications were noted     | please see MT   | report for lo                   | cations.           |  |  |  |  |  |  |  |
| Were there any linear indications?  |  | es, attach NDE report el   |                 |                                 |                    |  |  |  |  |  |  |  |
| were there any intear indications?  |  | port to include black ligh |                 |                                 |                    |  |  |  |  |  |  |  |
| 2.7 Take Photos to Document Corrosion and   | Other Anomalies*   |                            |                 |                                 |                    |  |  |  |  |  |  |  |
| *See Photo Log for additional information.  |  |                            |                 |                                 |                    |  |  |  |  |  |  |  |
| 2.8 Overview Map of Corroded Area*:  *See Pit Depth Measurement Grid for additi     | onal Information   | Zero Reference Point:      | edge of exposi  | ed nine                         |                    |  |  |  |  |  |  |  |
| *Note any calcareous deposits.  | onal miormation  | zero nererence i omi.      | eage or exposi  | эса рірс.                       |                    |  |  |  |  |  |  |  |
|   |  | Flow                       |                 |                                 | <b>—</b>           |  |  |  |  |  |  |  |
| 12 o'clock 7 13   | 19 25  | 31 37                      | 43              | 49                              | 55                 |  |  |  |  |  |  |  |
|   |  | 20                         |                 | 50                              | 50                 |  |  |  |  |  |  |  |
| 9 o'clock 2 8 14  | 20 26  | 32 38                      | 44              | 50                              | 56                 |  |  |  |  |  |  |  |
| 3 9 15  | No Corrosion   |                            |                 | 51                              | 57                 |  |  |  |  |  |  |  |
| 6 o'clock 4 10 16   | Foui   | nd 40                      | 46              | 52                              | 58                 |  |  |  |  |  |  |  |
|   | 20   | - HU                       | -               | <b>1</b> 2                      | 50                 |  |  |  |  |  |  |  |
| 3 o'clock 5 11 17   | 23 29  | 35 41                      | 47              | 53                              | 59                 |  |  |  |  |  |  |  |
| 6 12 18   | 24 30  | 36 42                      | 48              | 54                              | 60                 |  |  |  |  |  |  |  |
| 12 o'clock  |  | 72                         |                 |                                 |                    |  |  |  |  |  |  |  |
|   | 3 4 5  | 5 6                        | 7               | 8                               | 9 10               |  |  |  |  |  |  |  |
|   |  |                            |                 |                                 |                    |  |  |  |  |  |  |  |
|   |  |                            |                 |                                 |                    |  |  |  |  |  |  |  |
|   |  |                            |                 |                                 |                    |  |  |  |  |  |  |  |

| Examination Mi   | e Point:    | /13/201 |          |  | -       | IMA N   | gment:<br>umber: |        |       |                   |         | . Ri    | MP-11<br>ferenc | Ref. Se<br>e Girth | stance:<br>ection:<br>Weld: | Table   |           |
|--|-------------|---------|----------|--|---------|---------|------------------|--------|-------|-------------------|---------|---------|-----------------|--------------------|-----------------------------|---------|-----------|
| mination Performed By:  PG&E Project Manager:  Approved By:  Order Number: |             |         |          | Region Number: Subregion # (ICDA): Stationing: |         |         |                  |        |       |                   | ance Fr | om Girt | th Weld:        |                    |                             |         |           |
| cavation Dr  |             |         |          |  | -       |         |                  |        |       |                   |         |         |                 |                    |                             |         |           |
| t minimum o<br>lace an arro  |             |         |          |  |         |         |                  |        |       |                   |         |         |                 |                    |                             | .g. "to | Station") |
|  | _           |         |          |  |         | Incli   | nation           | Angle  | (deg  | rees)             |         |         |                 |                    |                             | _       |           |
| _  |             |         |          |  |         |         |                  | L      |       |                   |         |         |                 |                    |                             | L       |           |
| ŀ  | _           |         |          |  |         |         |                  |        |       |                   |         |         |                 |                    |                             |         |           |
|  |             |         |          |  |         |         |                  |        |       |                   | No.     |         |                 |                    |                             |         |           |
|  |             |         |          |  |         |         |                  |        | 1     |                   |         |         |                 |                    |                             |         |           |
|  |             |         |          |  |         |         |                  |        |       | year and a second |         |         |                 |                    |                             |         |           |
|  |             |         |          |  |         |         |                  |        |       |                   |         |         |                 |                    |                             |         |           |
|  |             |         |          |  |         |         |                  |        |       |                   |         |         |                 |                    |                             |         |           |
|  |             |         |          |  |         |         |                  |        | j     |                   |         |         |                 |                    |                             |         |           |
|  |             |         |          |  |         |         |                  |        |       |                   |         |         |                 |                    |                             |         |           |
|  | _           |         |          |  |         |         |                  |        |       |                   |         |         |                 |                    |                             |         |           |
| $\dashv$   |             |         |          |  |         |         |                  |        |       |                   |         |         |                 |                    |                             |         |           |
|  |             |         |          |  |         |         |                  | HL     |       |                   |         |         |                 |                    |                             | H       |           |
| F  | _           |         |          |  |         |         | Dis              | tance  | (ft.) |                   | 7       |         |                 |                    |                             |         |           |
| STATIO   | NING        |         |          |  |         |         | Flo              | wc     |       |                   |         |         |                 |                    |                             | STATI   | ONING     |
| SIATIO   | UNING       |         |          |  |         |         |                  |        |       |                   |         |         |                 |                    |                             | JIAII   | ONING     |
|  |             |         |          |  |         |         |                  |        |       |                   |         |         |                 |                    |                             |         |           |
| ES: (Recoi   | d stationir | ng and  | names    | of near  | by land | marks s | such a           | s cree | s and | d roads           | s. Pro  | vide a  | ny ad           | ditiona            | al infor                    | matio   | n that ma |
| help in  | spatially   | osition | ning pip | e):  |         |         |                  |        |       |                   |         |         |                 |                    |                             |         |           |
|  |             |         |          |  |         |         |                  |        |       |                   |         |         |                 |                    |                             |         |           |





| Form H: Direct                    | Exa  | mination | Data Sh | eet - Pag |       |         | ROSION                             | I PIT DE | PTH GRI | D |    |  |     |  |  |
|-----------------------------------|--|----------|---------|-----------|-------|---------|------------------------------------|----------|---------|---|----|--|-----|--|--|
| Examination Pe<br>PG&E Proje<br>A | DA/LL  Route Number:  Examination Date: 11/13/2011  Mile Point:  Examination Performed By: []]  PG&E Project Manager:  Approved By:  Order Number: |          |         |           |       |         | Region Number: Subregion # (ICDA): |          |         |   |    | RMP-11 Ref. Section: Table 5.6.2 Reference Girth Weld: Distance From Girth Weld: |     |  |  |
|                                   | irid Size =6.0Inch x6.0Inch  ckk Position (specify below) ' from U/S Edge  |          |         |           |       |         |                                    |          |         |   |    |  |     |  |  |
|                                   |  | 1        | 2       | 3         | 4     | 5       | 11011<br>6                         | 7        |         | 9 | 10 | 11   | 12  |  |  |
|                                   | Α  | 0.149    | 0.149   | 0.149     | 0.150 | 0.150   | 0.149                              | r        |         | 3 | 10 |  | ,,, |  |  |
|                                   | В  | 0.149    | 0.149   | 0.149     | 0.151 | 0.149   | 0.150                              |          |         |   |    |  |     |  |  |
|                                   | С  | 0.149    | 0.150   | 0.149     | 0.151 | 0.150   | 0.150                              |          |         |   |    |  |     |  |  |
|                                   | D  | 0.150    | 0.150   | 0.150     | 0.149 | 0.151   | 0.150                              |          |         |   |    |  |     |  |  |
|                                   | Е  | 0.149    | 0.149   | 0.149     | 0.150 | 0.150   | 0.149                              |          |         |   |    |  |     |  |  |
| 6:00                              | F  | 0.150    | 0.149   | 0.149     | 0.150 | 0.151   | 0.149                              |          |         |   |    |  |     |  |  |
| 6:00                              | G  |          |         |           |       |         |                                    |          |         |   |    |  |     |  |  |
|                                   | Н  |          |         |           |       |         |                                    |          |         |   |    |  |     |  |  |
|                                   | 1  |          |         |           |       |         |                                    |          |         |   |    |  |     |  |  |
|                                   | J  |          |         |           |       |         |                                    |          |         |   |    |  |     |  |  |
|                                   | К  |          |         |           |       |         |                                    |          |         |   |    |  |     |  |  |
|                                   | L  |          |         |           |       |         |                                    |          |         |   |    |  |     |  |  |
|                                   |  |          |         |           |       | INTERNA | AL CORRO                           | DSION GF | RID     |   |    |  |     |  |  |

UT Data in Mils

| Form H: D | Form H: Direct Examination Data Sheet - Page 7 of 10 COATING DAMAGE |         |                                    |  |  |  |  |  |  |  |
|-----------|---|---------|------------------------------------|--|--|--|--|--|--|--|
| E         | DA/I<br>Route Number:_<br>camination Date: 1                        |         | DA N-Segment: IMA Number:          | ILI ILI Log Distance: RMP-11 Ref. Section: Table 5.6.2 |  |  |  |  |  |  |
|           | Mile Point:<br>n Performed By:<br>Project Manager:                  |         | Region Number: Subregion # (ICDA): | Reference Girth Weld:  Distance From Girth Weld:       |  |  |  |  |  |  |
| FGGE      | Approved By:<br>Order Number:                                       |         | Stationing:                        |  |  |  |  |  |  |  |
|           |   |         |                                    |  |  |  |  |  |  |  |
| NO.       | FEET FROM<br>REFERENCE  | O'CLOCK | MAX LENGTH (IN.)                   | MAX CIRC EXTENT (IN.)                                  |  |  |  |  |  |  |
| 1         | 0   | 360 deg | 12'                                | 14.13  |  |  |  |  |  |  |
|           |   |         |                                    |  |  |  |  |  |  |  |
|           |   |         |                                    |  |  |  |  |  |  |  |
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|           |   |         |                                    |  |  |  |  |  |  |  |
|           |   |         |                                    |  |  |  |  |  |  |  |
|           |   |         |                                    |  |  |  |  |  |  |  |
|           |   |         |                                    |  |  |  |  |  |  |  |
|           |   |         |                                    |  |  |  |  |  |  |  |
|           |   |         |                                    |  |  |  |  |  |  |  |
|           |   |         |                                    |  |  |  |  |  |  |  |

No Coating Degradation Found

| Form H:  | Direct Examinatio      | on Data Sheet - Page 8 | 3 of 10<br>CORROSION LOG  |  |                       |
|----------|------------------------|------------------------|---|--|-----------------------|
| Examinat | Approved By:           | 1/13/2011              | N-Segment:  IMA Number:  Region Number:  Subregion # (ICDA):  Stationing: | ILI Distance: f. Section: Table 5.6.2 irth Weld: Girth Weld: |                       |
| IC or EC | FEET FROM<br>REFERENCE | O'CLOCK                | MAX PIT DEPTH (MILS)  | MAX LENGTH (IN.)   | MAX CIRC EXTENT (IN.) |
|          |                        | No                     | Corrosion Over 2<br>Found   | 0%   |                       |
|          |                        |                        |   |  |                       |
|          |                        |                        |   |  |                       |
|          |                        |                        |   |  |                       |
|          |                        |                        |   |  |                       |
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| Form H: Dir                   | Form H: Direct Examination Data Sheet - Page 9 of 10 PHOTO LOG  |   |  |  |  |  |  |  |  |  |
|-------------------------------|---|---|--|--|--|--|--|--|--|--|
| Exa<br>Examination<br>PG&E Pr | DAILL Route Number: mination Date: 11/13/2011 Mile Point: Performed By: [0] oject Manager: Approved By: Order Number: | N-Segment: IMA Number:  Region Number: Subregion #(ICDA): Stationing: | Reference Girth Weld:  Distance From Girth Weld: |  |  |  |  |  |  |  |
| PHOTO<br>NO.                  | LOCATION  | DESCRIPTION   | COMMENTS   |  |  |  |  |  |  |  |
|                               |   |   |  |  |  |  |  |  |  |  |
|                               |   |   |  |  |  |  |  |  |  |  |
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|                               |   |   |  |  |  |  |  |  |  |  |
|                               |   |   |  |  |  |  |  |  |  |  |
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Locations & Descriptions 12:00, Facing U/S Dig site perimeter 3:00, Facing U/S 6:00, Facing U/S Fink. 9:00, Facing U/S Flash. 12:00, Facing D/S G-5 Box 3:00, Facing D/S Girth Weld. 6:00, Facing D/S Hardness = 88 9:00, Facing D/S Hot Asphalt Wrap. AO Smith Weld Lamination post buffing w/80 grit pad Asphalt paving installed. Mechanical. Metallic sleeve Backfill material. Backfilled, seeded with straw coverage Missing coating. Caldwelds. Non-metallic sleeve. Can. Not used. Only X" of sand surrounding pipe. Coating damage. Overall recoat. Coating holiday CH-1. Pipe recoat. Coating removed. Pipe repair. Compacting backfill. Pipesaver. Corrosion. Powercrete J. Coupon and reference cell installed @ D/S edge. Coupon and reference cell installed @ U/S edge. Protal 7125 application completed Dev Grip 238. Protal 7200 with wax taped edges. Dev Tar 237. Protal 7200. Denso wax tape applied Replace. Rockguard. EC-2. Root damage. Root impression. ERW Weld Sand Existing FBE coating. Sandblasted pipe. Existing HAA coating. Saw cutting asphalt. Existing plastic tape. Existing powercrete coating. Site prior to excavation. Existing somastic coating. Slurry. Existing tape coating. SMLS Existing wax tape. Soil compaction. External pit depth. Spiral Weld

Clear entire contents of this glossary after logging the photos.

Tapecote 20

Tuff-N-Nuff.

Thickness = 44

Various laminations along pipe length

Facing north.

Facing east.

Facing south.

Facing west.

| Form H: D  | rect Examination Data Sheet - Pag           |  |                     |                     |
|------------|---|--|---------------------|---------------------|
|            | DA/ILI<br>Route Number:                     | <u>DA</u><br>N-Segment:                        | ILI Log Dista       | ILI<br>ance:        |
| E          | tamination Date: 11/13/2011                 | IMA Number:                                    |                     | tion: Table 5.6.2   |
|            | Mile Point:                                 | <u> </u>                                       | Reference Girth V   |                     |
| g.         | n Performed By: <mark>d}</mark>             | Region Number:                                 |                     | Weld:               |
| PG&E I     | Project Manager:                            |  |                     |                     |
|            | Approved By:<br>Order Number:               | Stationing:                                    |                     |                     |
|            | Order Number.                               | <del></del>                                    |                     |                     |
| 3.0 Recoat | Data  |  |                     |                     |
|            | <del></del>                                 |  |                     |                     |
| 3.1        | Sandblast Media:                            | Anchor F                                       | rofile Measurement: |                     |
| 3.2        | Pipe Recoated With:                         |  |                     |                     |
|            | Powercrete J Wax Tape                       | Bar-Rust 235 Dev Grip 2                        | 38 Dev Tar 247      | Protal 7200 PE Tape |
| 3.3        | For Epoxy Coating Systems, Record E         | nvironmental Condition:                        |                     |                     |
|            | Air Temperature:                            |  | oint:               |                     |
|            | Pipe Temperature:                           | Relative Humi                                  | dity:               |                     |
|            | Time of Day:                                | <del></del>                                    |                     |                     |
| 3.4        | Repair Coating Hardness (If ARC Coati       | ng:)   |                     |                     |
| 3.5        | Measured Coating Thickness: 3:00 -          |  | 9:00                | 12:00 -             |
|            | Holiday Tested?: Yes No                     |  |                     |                     |
|            |   |  | D: A#4              | lalidava            |
|            |   | et Sponge Voltage Used:                        |                     | iolidays.           |
| 3.6        | Coupon Test Station Installed?:             | Yes No ETS Installed?:                         | Yes No              |                     |
|            | If Yes, Date Installed:                     |  |                     |                     |
|            | Surface Configuration:: Fink                | G-5 Box Carsonite                              | Other:              |                     |
| 3.7        | Backfill Material: Native                   |  |                     |                     |
|            |   |  |                     |                     |
|            | Coating Protections?: Yes                   | No   | ī                   |                     |
|            | If Yes, Check One: Rockguard                | Tuff-N-Nuff PipeSaver                          | Other:              |                     |
| 3.8        | Pipe-to-Soil Readings Over Bell Hole A      | <u> </u>                                       | -                   |                     |
|            | *If specified, a CIS should be done for app | proximately 100' on either side of the bell ho | ole. Attach data.   |                     |
|            | Comments:                                   |  |                     |                     |
|            |   |  |                     |                     |
|            |   |  |                     |                     |
| 3.9        | Attach site sketch of excavation site.      |  |                     |                     |
| 4.0 Repair | Data  |  |                     |                     |
|            |   |  |                     |                     |
| 4.1        | Repair Made: Yes No                         | 4.1 Number of Repairs Made:                    |                     |                     |
| 4.3        | Repair Type: Metallic Sleeve                | Non Metallic Sleeve Replace                    | Can Filler Metal    | Other               |
| 4.4        | Domana Banairad                             | Machaniaal Other                               |                     |                     |
| 4.4        | Damage Repaired: Corrosion                  | Mechanical Other                               |                     |                     |
|            |   |  |                     |                     |
|            |   |  |                     |                     |
| Misc. Comn | ents/Information:                           |  |                     |                     |
|            |   |  |                     |                     |
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|                      | Form H: Direct Ex                 | amination    |                     |               |               |   |   |         |                               |               |           |                       |      |
|----------------------|-----------------------------------|--------------|---------------------|---------------|---------------|---|---|---------|-------------------------------|---------------|-----------|-----------------------|------|
| mears                | DA/IL                             | .1           |                     | MAGNETIC      | PARTI         | CLE EXAMINA                             | TON DA                                  | TA SH   | EET                           | 5             | LI        |                       |      |
|                      | Route Number:                     | _            |                     | 1             | N-Segm        | ent:                                    |   |         | ILI Log                       | Distance:     | _         |                       | 9    |
|                      | Examination Date: 1               | 1/13/2011    |                     | #             | IA Num        | ber:                                    |   |         | RMP-11 Ref                    |               |           | 2                     |      |
| Evenden              | Mile Point:<br>tion Performed By: | Я            |                     | — Book        | on Num        |   |   |         | Reference Gi                  |               |           |                       |      |
|                      | E Project Manager:                | <u> </u>     |                     | Subregio      |               |   |   | _ '     | istance From                  | Girai Wela.   |           |                       |      |
|                      | Approved By:                      |              |                     |               | Station       |   |   |         |                               |               |           |                       |      |
|                      | Order Number:_                    |              |                     | _             |               |   |   |         |                               |               |           |                       |      |
| Tes                  | st Equipment                      | Serial N     | No.                 | Techniq       | ue            | Test Medium                             |   | Quality | Control                       |               | Surface   | Condition             | n    |
|                      | Yoke                              | 15386/B      |                     | Continuo      |               | Wet                                     |   | tch#    |                               |               |           | d NACE 2              | 88   |
| Perm                 | anent Magnet                      |              |                     | Residu        | _             | Drv                                     |   | tch#    |                               | _             | Bare Met  |                       |      |
| 1 GAIL               | Coil                              |              |                     |               | .cl           | Fluorescent                             | _                                       | -       | 09f001                        |               | As Groun  |                       |      |
|                      | Other                             |              |                     |               |               | Black on White                          |   | -       | 03:001                        |               | Painted   | u                     |      |
|                      | Other                             |              |                     | U             | C             | Black on vvnite                         |   | ton#_   |                               |               |           |                       | 8    |
|                      |                                   |              |                     |               |               |   |   |         |                               |               | Other (vv | alnut Blast           | (ea) |
|                      | Reference GPS:                    |              |                     |               | Acc           | eptance Criteria:                       | _                                       | _       |                               |               |           |                       |      |
|                      | Northing:_                        |              |                     |               |               | Accepted?                               | Yes                                     |         | No, See Tat                   | ble below.    |           |                       |      |
|                      | Easting:                          |              |                     |               |               |   |   |         |                               |               |           |                       |      |
| Me                   | ap of Magnetic Partic             | e indication | 15:                 |               |               | Zero Refere                             | nce Point                               | : edg:  | e of expossed                 | з ріре.       |           | _                     |      |
| 12:00                |                                   |              |                     |               |               |   | 1                                       |         |                               |               |           |                       |      |
| 12.00                |                                   |              |                     |               |               |   |   |         |                               |               |           |                       |      |
|                      |                                   |              |                     |               |               |   |   |         |                               |               |           |                       |      |
| 9:00                 |                                   |              |                     |               |               |   |   |         |                               |               |           |                       |      |
|                      |                                   |              |                     |               |               |   |   |         |                               |               |           |                       |      |
| 6:00                 |                                   |              |                     |               |               |   |   |         |                               |               |           |                       |      |
|                      |                                   |              |                     |               |               |   |   |         |                               |               |           |                       |      |
| 3:00                 |                                   | +            |                     |               | -             |   |   |         |                               |               |           |                       |      |
| 3.00                 |                                   |              |                     |               |               |   |   |         |                               |               |           |                       |      |
| 12:00                |                                   |              |                     |               |               |   |   |         |                               |               |           | 12/21/21/21/21        |      |
| Feet:                | 0 1                               | 2 3          | 3 -                 | 4 5           | 6             | 7                                       | 3 9                                     | 9       | 10                            |               |           |                       |      |
|                      |                                   |              |                     |               |               |   |   |         |                               |               |           |                       |      |
| Table                |                                   |              |                     |               |               |   |   |         |                               |               |           |                       |      |
|                      |                                   | Circum       | ferential           | Indica        | ation         | Wall This                               | kness                                   |         | Mail Thickn                   |               | inc       | ication               |      |
| Table<br>Ind No.     | Axial Position                    | Circum       | ferential<br>sition | Indica<br>Ler | ation<br>ngth | Wall Thic                               | kness<br>oftpad                         | Τ,      | Wall Thickn                   | ess           |           | ication<br>ed (Yes, I | No)  |
|                      | Axial Position                    | Pos          |                     | Ler           | ation<br>ngth | Wall Thic<br>before S                   | oftpad                                  |         | Wall Thickn<br>after Final So | ess<br>oftpad |           |                       | No)  |
| Ind No.              | 4'                                | Pos<br>6     | :00                 | Ler           | gth<br>'5"    | before \$                               | eld                                     |         | Wall Thickn<br>after Final So | ess<br>oftpad |           |                       | No)  |
| ind No.              |                                   | Pos<br>6     | sition              | Ler           | ngth          | before \$                               | eld                                     |         | Wall Thickn<br>after Final So | ess<br>oftpad |           |                       | No)  |
| Ind No.              | 4'                                | Pos<br>6     | :00                 | Ler           | gth<br>'5"    | before \$                               | eld                                     |         | Wall Thickn<br>after Final So | ess<br>oftpad |           |                       | No)  |
| Ind No.              | 4'                                | Pos<br>6     | :00                 | Ler           | gth<br>'5"    | before \$                               | eld                                     | 4       | Wall Thickn<br>after Final So | ess<br>oftpad |           |                       | No)  |
| Ind No.              | 4'                                | Pos<br>6     | :00                 | Ler           | gth<br>'5"    | before \$                               | eld                                     | 4       | Wall Thickn<br>after Final So | ess           |           |                       | No)  |
| Ind No.              | 4'                                | Pos<br>6     | :00                 | Ler           | gth<br>'5"    | before \$                               | eld                                     |         | Wall Thickn<br>after Final So | ess<br>oftpad |           |                       | No)  |
| Ind No.              | 4'                                | Pos<br>6     | :00                 | Ler           | gth<br>'5"    | before \$                               | eld                                     |         | Wall Thickn<br>after Final So | ess           |           |                       | No)  |
| Ind No.              | 4'                                | Pos<br>6     | :00                 | Ler           | gth<br>'5"    | before \$                               | eld                                     | 4       | Wall Thickn                   | ess           |           |                       | No)  |
| Ind No.              | 4'                                | Pos<br>6     | :00                 | Ler           | gth<br>'5"    | before \$                               | eld                                     |         | Wall Thickn                   | ess<br>oftpad |           |                       | No)  |
| Ind No.              | 4'                                | Pos<br>6     | :00                 | Ler           | gth<br>'5"    | before \$                               | eld                                     |         | Wall Thickn                   | ess<br>oftpad |           |                       | No)  |
| 1 2                  | 7                                 | Pos 6 12     | :00<br>2:00         | .7<br>.7      | 5"            | before S                                | eld<br>eld                              | 4       | after Final Sc                | oftpad        | Remov     |                       | No)  |
| 1 2                  | 4'                                | Pos 6 12     | :00<br>2:00         | .7<br>.7      | 5"            | before S                                | eld<br>eld                              | 4       | after Final Sc                | oftpad        | Remov     |                       | No)  |
| 1 2                  | 7                                 | Pos 6 12     | :00<br>2:00         | .7<br>.7      | 5"            | before S                                | eld<br>eld                              | 4       | after Final Sc                | oftpad        | Remov     |                       | No)  |
| 1 2                  | 7                                 | Pos 6 12     | :00<br>2:00         | .7<br>.7      | 5"            | before S                                | eld<br>eld                              | 4       | after Final Sc                | oftpad        | Remov     |                       | No)  |
| 1 2                  | 7                                 | Pos 6 12     | :00<br>2:00         | .7<br>.7      | 5"            | before S                                | eld<br>eld                              | 4       | after Final Sc                | oftpad        | Remov     |                       | No)  |
| 1 2                  | 7                                 | Pos 6 12     | :00<br>2:00         | .7<br>.7      | 5"            | before S                                | eld<br>eld                              | 4       | after Final Sc                | oftpad        | Remov     |                       | No)  |
| 1 2                  | 7                                 | Pos 6 12     | :00<br>2:00         | .7<br>.7      | 5"            | before S                                | eld<br>eld                              | 4       | after Final Sc                | oftpad        | Remov     |                       | NNO) |
| 1 2                  | 7                                 | Pos 6 12     | :00<br>2:00         | .7<br>.7      | 5"            | before S                                | eld<br>eld                              | 4       | after Final Sc                | oftpad        | Remov     |                       | NNO) |
| Ind No. 1 2 Notes:   | 4' 7                              | Pos 6 12     | sition :00 2:00     | Ler 7.7 1 1   | ngth          | in w in w                               | eld eld eld                             | 990 de  | g tangent wel                 | oftpad        | Remov     |                       | Noj  |
| Ind No. 1 2 Notes:   | 7                                 | Pos 6 12     | sition :00 2:00     | Ler 7.7 1 1   | ngth          | in w in w                               | eld eld eld                             | 990 de  | g tangent wel                 | oftpad        | Remov     |                       | Noj  |
| Ind No.  1 2  Notes: | 4' 7                              | Pos 6 12     | sition :00 2:00     | Ler 7.7 1 1   | ngth          | in w in w in windication 2 is loc       | eld eld eld                             | 90 de   | g tangent wel                 | oftpad        | Remov     |                       | Noj  |
| Ind No.  1 2  Notes: | 4' 7  Linear indication 1 is le   | Pos 6 12     | sition :00 2:00     | Ler 7.7 1 1   | ngth          | in w | eld | 90 de   | g tangent wel                 | oftpad        | Remov     |                       | No)  |
| Ind No.  1 2  Notes: | 4' 7                              | Pos 6 12     | sition :00 2:00     | Ler 7.7 1 1   | ngth          | in w | eld | 90 de   | g tangent wel                 | oftpad        | Remov     |                       | No)  |

| Sisc. Comments/Information About Area Surrounding Ditch: | Orm H: Site Map  DA/ILI Route Number:  Examination Date: 11/13/2011  Mile Point:  Examination Performed By: [3]  PG&E Project Manager:  Approved By:  Order Number: | DA  N-Segment: IMA Number:  Region Number: Subregion # (ICDA): Stationing: | ILI Log Distance:  RMP-11 Ref. Section: Table 5.6.2  Reference Girth Weld:  Distance From Girth Weld:  *Sketch Not Drawn to Scale |
|--|---|--|---|
|  |   |  | Sketch Not Diawn to Scale   |
| isc. Comments/information About Area Surrounding Ditch:  |   |  | North   |
| isc. Comments/Information About Area Surrounding Ditch:  |   |  |   |
| sc. Comments/Information About Area Surrounding Ditch:   |   |  |   |
| sc. Comments/Information About Area Surrounding Ditch:   |   |  |   |
| sc. Comments/Information About Area Surrounding Ditch:   |   |  |   |
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| sc. Comments/Information About Area Surrounding Ditch:   |   |  |   |
| sc. Comments/Information About Area Surrounding Ditch:   |   |  |   |
|  | isc. Comments/Information About Area Surrounding D  | itch:  |   |
|  |   |  |   |

