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|  <p>U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration</p> | <p>ANNUAL REPORT FOR CALENDAR YEAR 2011 NATURAL OR OTHER GAS TRANSMISSION and GATHERING SYSTEMS</p> | <p>Report Submission Type</p> <p style="text-align: center;">INITIAL</p> |
| <p>A federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a current valid OMB Control Number. The OMB Control Number for this information collection is 2137-0522. Public reporting for this collection of information is estimated to be approximately 22 hours per response, including the time for reviewing instructions, gathering the data needed, and completing and reviewing the collection of information. All responses to this collection of information are mandatory. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: Information Collection Clearance Officer, PHMSA, Office of Pipeline Safety (PHP-30) 1200 New Jersey Avenue, SE, Washington, D.C. 20590.</p> <p style="text-align: center;">Important: Please read the separate instructions for completing this form before you begin.</p> | | |
| <p>PART A - OPERATOR INFORMATION</p> | | <p>DOT USE ONLY 20120653 - 25221</p> |
| <p>1. OPERATOR'S 5 DIGIT IDENTIFICATION NUMBER (OPID)</p> <p style="text-align: center;">18536</p> | <p>2. NAME OF COMPANY OR ESTABLISHMENT: SOUTHWEST GAS CORP</p> <p>IF SUBSIDIARY, NAME OF PARENT:</p> | |
| <p>3. INDIVIDUAL WHERE ADDITIONAL INFORMATION MAY BE OBTAINED: Name: Joel Martell</p> <p>Title: Supervisor/Engineering</p> <p>Email Address: Joel.Martell@SWGas.com</p> <p>Telephone Number: (702) 876-7283</p> | <p>4. HEADQUARTERS ADDRESS:</p> <p>Southwest Gas Corporation Company Name</p> <p>5241 SPRING MOUNTAIN ROAD Street Address</p> <p>State: NV Zip Code: 89102</p> <p>(702) 876-7011 Telephone Number</p> | |
| <p>5. THIS REPORT PERTAINS TO THE FOLLOWING COMMODITY GROUP: <i>(Select Commodity Group based on the predominant gas carried and complete the report for that Commodity Group. File a separate report for each Commodity Group included in this OPID.)</i></p> <p>Natural Gas</p> | | |
| <p>6. CHARACTERIZE THE PIPELINES AND/OR PIPELINE FACILITIES COVERED BY THIS OPID AND COMMODITY GROUP WITH RESPECT TO COMPLIANCE WITH PHMSA'S INTEGRITY MANAGEMENT PROGRAM REGULATIONS (49 CFR 192 Subpart O).</p> <p>Portions of SOME OR ALL of the pipelines and/or pipeline facilities covered by this OPID and Commodity Group are included in an Integrity Management Program subject to 49 CFR 192. If this box is checked, complete all PARTs of this form in accordance with PART A, Question 8.</p> | | |
| <p>7. FOR THE DESIGNATED "COMMODITY GROUP", THE PIPELINES AND/OR PIPELINE FACILITIES INCLUDED WITHIN THIS OPID ARE: <i>(Select one or both)</i></p> <p>INTERstate pipeline - List all of the States in which INTERstate pipelines and/or pipeline facilities included under this OPID exist: etc.</p> <p>INTRAstate pipeline - List all of the States in which INTRAstate pipelines and/or pipeline facilities included under this OPID exist: ARIZONA, CALIFORNIA, NEVADA etc.</p> | | |

8. DOES THIS REPORT REPRESENT A CHANGE FROM LAST YEAR'S FINAL REPORTED NUMBERS FOR ONE OR MORE OF THE FOLLOWING PARTS: PART B, D, E, H, I, J, K, or L? (For calendar year 2010 reporting or if this is a first-time Report for an operator or OPID, Commodity Group(s), or pipelines and/or pipeline facilities, select the first box only. For subsequent years' reporting, select either No or one or both of the Yes choices.)

- This report is **FOR CALENDAR YEAR 2010** reporting or is a **FIRST-TIME REPORT** and, therefore, *the remaining choices in this Question 8 do not apply*. Complete all remaining PARTS of this form as applicable
- NO, there are **NO CHANGES** from last year's final reported information for PARTs B, D, E, H, I, J, K, or L. Complete PARTs A, C, M, and N, along with PARTs F, G, and O when applicable.
- YES, this report represents a **CHANGE FROM LAST YEAR'S FINAL REPORTED INFORMATION** for one or more of PARTs B, D, E, H, I, J, K, or L **due to corrected information**; however, *the pipelines and/or pipeline facilities and operations are the same* as those which were covered under last year's report. Complete PARTs A, C, M, and N, along with only those other PARTs which changed (including PARTs B, F, G, and O when applicable).
- YES, this report represents a **CHANGE FROM LAST YEAR'S FINAL REPORTED INFORMATION** for PARTs B, D, E, H, I, J, K, or L because of one or more of the following **change(s) in pipelines and/or pipeline facilities and/or operations** from those which were covered under last year's report. Complete PARTs A, C, M, and N, along with only those other PARTs which changed (including PARTs B, F, G, and O when applicable). (Select all reasons for these changes from the following list)
- Merger of companies and/or operations, acquisition of pipelines and/or pipeline facilities
 - Divestiture of pipelines and/or pipeline facilities
 - New construction or new installation of pipelines and/or pipeline facilities
 - Conversion to service, change in commodity transported, or change in MAOP (maximum allowable operating pressure)
 - Abandonment of existing pipelines and/or pipeline facilities
 - Change in HCA's identified, HCA Segments, or other changes to Operator's Integrity Management Program
 - Change in OPID
- Other – Describe: , false

For the designated Commodity Group, complete PARTs B, C, D, and E one time for all pipelines and/or pipeline facilities – both INTERstate and INTRAstate - included within this OPID.

| PART B – TRANSMISSION PIPELINE HCA MILES | |
|--|--|
| | Number of HCA Miles in the IMP Program |
| Onshore | 160.2 |
| Offshore | 0 |
| Total Miles | 160.2 |

| PART C - VOLUME TRANSPORTED IN TRANSMISSION PIPELINES (ONLY) IN MILLION SCF PER YEAR (excludes Transmission lines of Gas Distribution systems) | Check this box and proceed to PART D without completing this PART C if this report only includes gathering pipelines or transmission lines of gas distribution systems. | |
|--|---|----------|
| | Onshore | Offshore |
| Natural Gas | | |
| Propane Gas | | |
| Synthetic Gas | | |
| Hydrogen Gas | | |
| Other Gas - Name: Y | | |

| PART D - MILES OF STEEL PIPE BY CORROSION PROTECTION | | | | | |
|--|------------------------|--------|--------------------------|--------|-------------|
| | Cathodically protected | | Cathodically unprotected | | Total Miles |
| | Bare | Coated | Bare | Coated | |
| Transmission | | | | | |
| Onshore | 15.7 | 782 | 0 | 0 | 797.7 |
| Offshore | 0 | 0 | 0 | 0 | 0 |
| Subtotal Transmission | 15.7 | 782 | 0 | 0 | 797.7 |
| Gathering | | | | | |
| Onshore Type A | 0 | 0 | 0 | 0 | 0 |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 |
| Offshore | 0 | 0 | 0 | 0 | 0 |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 |
| Total Miles | 15.7 | 782 | 0 | 0 | 797.7 |

| PART E - MILES OF non-STEEL PIPE BY TYPE AND LOCATION | | | | | |
|--|----------------|-------------------|--------------|------------|-------------|
| | Cast Iron Pipe | Wrought Iron Pipe | Plastic Pipe | Other Pipe | Total Miles |
| Transmission | | | | | |
| Onshore | 0 | 0 | 0 | 0 | 0 |
| Offshore | 0 | 0 | 0 | 0 | 0 |
| Subtotal Transmission | 0 | 0 | 0 | 0 | 0 |
| Gathering | | | | | |
| Onshore Type A | 0 | 0 | 0 | 0 | 0 |
| Onshore Type B | 0 | 0 | 0 | 0 | 0 |
| Offshore | 0 | 0 | 0 | 0 | 0 |
| Subtotal Gathering | 0 | 0 | 0 | 0 | 0 |
| Total Miles | 0 | 0 | 0 | 0 | 0 |

For the designated Commodity Group, complete PARTs F and G one time for all INTERstate pipelines and/or pipeline facilities included within this OPID and multiple times as needed for the designated Commodity Group for each State in which INTRAstate pipelines and/or pipeline facilities included within this OPID exist. Each time these sections are completed, designate the State to which the data applies for INTRAstate pipelines and/or pipeline facilities, or that it applies to all INTERstate pipelines included within this Commodity Group and OPID.

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| PARTs F and G |
| The data reported in these PARTs F and G applies to: <i>(select only one)</i> |

| PART F - INTEGRITY INSPECTIONS CONDUCTED AND ACTIONS TAKEN BASED ON INSPECTION | |
|---|---|
| INTRASTATE pipelines/pipeline facilities ARIZONA | |
| 1. MILEAGE INSPECTED IN CALENDAR YEAR USING THE FOLLOWING IN-LINE INSPECTION (ILI) TOOLS | |
| a. Corrosion or metal loss tools | 0 |
| b. Dent or deformation tools | 0 |
| c. Crack or long seam defect detection tools | 0 |
| d. Any other internal inspection tools | 0 |
| e. Total tool mileage inspected in calendar year using in-line inspection tools. (Lines a + b + c + d) | 0 |
| 2. ACTIONS TAKEN IN CALENDAR YEAR BASED ON IN-LINE INSPECTIONS | |
| a. Based on ILI data, total number of anomalies excavated in calendar year because they met the operator's criteria for excavation. | 0 |
| b. Total number of anomalies repaired in calendar year that were identified by ILI based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | 0 |
| c. Total number of conditions repaired WITHIN AN HCA SEGMENT meeting the definition of: | 0 |
| 1. "Immediate repair conditions" [192.933(d)(1)] | 0 |
| 2. "One-year conditions" [192.933(d)(2)] | 0 |
| 3. "Monitored conditions" [192.933(d)(3)] | 0 |
| 4. Other "Scheduled conditions" [192.933(c)] | 0 |
| 3. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON PRESSURE TESTING | |
| a. Total mileage inspected by pressure testing in calendar year. | 0 |
| b. Total number of pressure test failures (ruptures and leaks) repaired in calendar year, both within an HCA Segment and outside of an HCA Segment. | 0 |
| c. Total number of pressure test ruptures (complete failure of pipe wall) repaired in calendar year WITHIN AN HCA SEGMENT. | 0 |
| d. Total number of pressure test leaks (less than complete wall failure but including escape of test medium) repaired in calendar year WITHIN AN HCA SEGMENT. | 0 |
| 4. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON DA (Direct Assessment methods) | |
| a. Total mileage inspected by each DA method in calendar year. | 9 |
| 1. ECDA | 9 |
| 2. ICDA | 0 |
| 3. SCCDA | 0 |
| b. Total number of anomalies identified by each DA method and repaired in calendar year based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | 2 |
| 1. ECDA | 2 |
| 2. ICDA | 0 |
| 3. SCCDA | 0 |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT meeting the definition of: | 2 |
| 1. "Immediate repair conditions" [192.933(d)(1)] | 1 |
| 2. "One-year conditions" [192.933(d)(2)] | 1 |

| | |
|--|-----|
| 3. "Monitored conditions" [192.933(d)(3)] | 0 |
| 4. Other "Scheduled conditions" [192.933(c)] | 0 |
| 5. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON OTHER INSPECTION TECHNIQUES | |
| a. Total mileage inspected by inspection techniques other than those listed above in calendar year. | 0 |
| b. Total number of anomalies identified by other inspection techniques and repaired in calendar year based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | 0 |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT meeting the definition of: | 0 |
| 1. "Immediate repair conditions" [192.933(d)(1)] | 0 |
| 2. "One-year conditions" [192.933(d)(2)] | 0 |
| 3. "Monitored conditions" [192.933(d)(3)] | 0 |
| 4. Other "Scheduled conditions" [192.933(c)] | 0 |
| 6. TOTAL MILEAGE INSPECTED (ALL METHODS) AND ACTIONS TAKEN IN CALENDAR YEAR | |
| a. Total mileage inspected in calendar year. (Lines 1.e + 3.a + 4.a.1 + 4.a.2 + 4.a.3 + 5.a) | 9 |
| b. Total number of anomalies repaired in calendar year both within an HCA Segment and outside of an HCA Segment. (Lines 2.b + 3.b + 4.b.1 + 4.b.2 + 4.b.3 + 5.b) | 2 |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT. (Lines 2.c.1 + 2.c.2 + 2.c.3 + 2.c.4 + 3.c + 3.d + 4.c.1 + 4.c.2 + 4.c.3 + 4.c.4 + 5.c.1 + 5.c.2 + 5.c.3 + 5.c.4) | 2 |
| PART G— MILES OF BASELINE ASSESSMENTS AND REASSESSMENTS COMPLETED IN CALENDAR YEAR (HCA Segment miles ONLY) | |
| a. Baseline assessment miles completed during the calendar year. | 7.3 |
| b. Reassessment miles completed during the calendar year. | 1.7 |
| c. Total assessment and reassessment miles completed during the calendar year. | 9 |

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| PART F - INTEGRITY INSPECTIONS CONDUCTED AND ACTIONS TAKEN BASED ON INSPECTION | |
| INTRASTATE pipelines/pipeline facilities CALIFORNIA | |
| 1. MILEAGE INSPECTED IN CALENDAR YEAR USING THE FOLLOWING IN-LINE INSPECTION (ILI) TOOLS | |
| a. Corrosion or metal loss tools | 0 |
| b. Dent or deformation tools | 0 |
| c. Crack or long seam defect detection tools | 0 |
| d. Any other internal inspection tools | 0 |
| e. Total tool mileage inspected in calendar year using in-line inspection tools. (Lines a + b + c + d) | 0 |
| 2. ACTIONS TAKEN IN CALENDAR YEAR BASED ON IN-LINE INSPECTIONS | |
| a. Based on ILI data, total number of anomalies excavated in calendar year because they met the operator's criteria for excavation. | 0 |
| b. Total number of anomalies repaired in calendar year that were identified by ILI based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | 0 |
| c. Total number of conditions repaired WITHIN AN HCA SEGMENT meeting the definition of: | 0 |
| 1. "Immediate repair conditions" [192.933(d)(1)] | 0 |
| 2. "One-year conditions" [192.933(d)(2)] | 0 |
| 3. "Monitored conditions" [192.933(d)(3)] | 0 |
| 4. Other "Scheduled conditions" [192.933(c)] | 0 |
| 3. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON PRESSURE TESTING | |
| a. Total mileage inspected by pressure testing in calendar year. | 0 |
| b. Total number of pressure test failures (ruptures and leaks) repaired in calendar year, both within an HCA Segment and outside of an HCA Segment. | 0 |
| c. Total number of pressure test ruptures (complete failure of pipe wall) repaired in calendar year WITHIN AN HCA SEGMENT. | 0 |
| d. Total number of pressure test leaks (less than complete wall failure but including escape of test medium) repaired in calendar year WITHIN AN HCA SEGMENT. | 0 |

| 4. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON DA (Direct Assessment methods) | |
|--|---|
| a. Total mileage inspected by each DA method in calendar year. | 0 |
| 1. ECDA | 0 |
| 2. ICDA | 0 |
| 3. SCCDA | 0 |
| b. Total number of anomalies identified by each DA method and repaired in calendar year based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | 0 |
| 1. ECDA | 0 |
| 2. ICDA | 0 |
| 3. SCCDA | 0 |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT meeting the definition of: | 0 |
| 1. "Immediate repair conditions" [192.933(d)(1)] | 0 |
| 2. "One-year conditions" [192.933(d)(2)] | 0 |
| 3. "Monitored conditions" [192.933(d)(3)] | 0 |
| 4. Other "Scheduled conditions" [192.933(c)] | 0 |
| 5. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON OTHER INSPECTION TECHNIQUES | |
| a. Total mileage inspected by inspection techniques other than those listed above in calendar year. | 0 |
| b. Total number of anomalies identified by other inspection techniques and repaired in calendar year based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | 0 |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT meeting the definition of: | 0 |
| 1. "Immediate repair conditions" [192.933(d)(1)] | 0 |
| 2. "One-year conditions" [192.933(d)(2)] | 0 |
| 3. "Monitored conditions" [192.933(d)(3)] | 0 |
| 4. Other "Scheduled conditions" [192.933(c)] | 0 |
| 6. TOTAL MILEAGE INSPECTED (ALL METHODS) AND ACTIONS TAKEN IN CALENDAR YEAR | |
| a. Total mileage inspected in calendar year. (Lines 1.e + 3.a + 4.a.1 + 4.a.2 + 4.a.3 + 5.a) | 0 |
| b. Total number of anomalies repaired in calendar year both within an HCA Segment and outside of an HCA Segment. (Lines 2.b + 3.b + 4.b.1 + 4.b.2 + 4.b.3 + 5.b) | 0 |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT. (Lines 2.c.1 + 2.c.2 + 2.c.3 + 2.c.4 + 3.c + 3.d + 4.c.1 + 4.c.2 + 4.c.3 + 4.c.4 + 5.c.1 + 5.c.2 + 5.c.3 + 5.c.4) | 0 |
| PART G- MILES OF BASELINE ASSESSMENTS AND REASSESSMENTS COMPLETED IN CALENDAR YEAR (HCA Segment miles ONLY) | |
| a. Baseline assessment miles completed during the calendar year. | 0 |
| b. Reassessment miles completed during the calendar year. | 0 |
| c. Total assessment and reassessment miles completed during the calendar year. | 0 |

| PART F - INTEGRITY INSPECTIONS CONDUCTED AND ACTIONS TAKEN BASED ON INSPECTION | |
|--|------|
| INTRASTATE pipelines/pipeline facilities NEVADA | |
| 1. MILEAGE INSPECTED IN CALENDAR YEAR USING THE FOLLOWING IN-LINE INSPECTION (ILI) TOOLS | |
| a. Corrosion or metal loss tools | 13.3 |
| b. Dent or deformation tools | 13.3 |
| c. Crack or long seam defect detection tools | 0 |
| d. Any other internal inspection tools | 0 |
| e. Total tool mileage inspected in calendar year using in-line inspection tools. (Lines a + b + c + d) | 26.6 |
| 2. ACTIONS TAKEN IN CALENDAR YEAR BASED ON IN-LINE INSPECTIONS | |
| a. Based on ILI data, total number of anomalies excavated in calendar year because they met the operator's criteria for excavation. | 2 |
| b. Total number of anomalies repaired in calendar year that were identified by ILI based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | 0 |

| | |
|--|------|
| c. Total number of conditions repaired WITHIN AN HCA SEGMENT meeting the definition of: | 2 |
| 1. "Immediate repair conditions" [192.933(d)(1)] | 2 |
| 2. "One-year conditions" [192.933(d)(2)] | 0 |
| 3. "Monitored conditions" [192.933(d)(3)] | 0 |
| 4. Other "Scheduled conditions" [192.933(c)] | 0 |
| 3. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON PRESSURE TESTING | |
| a. Total mileage inspected by pressure testing in calendar year. | 0 |
| b. Total number of pressure test failures (ruptures and leaks) repaired in calendar year, both within an HCA Segment and outside of an HCA Segment. | 0 |
| c. Total number of pressure test ruptures (complete failure of pipe wall) repaired in calendar year WITHIN AN HCA SEGMENT. | 0 |
| d. Total number of pressure test leaks (less than complete wall failure but including escape of test medium) repaired in calendar year WITHIN AN HCA SEGMENT. | 0 |
| 4. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON DA (Direct Assessment methods) | |
| a. Total mileage inspected by each DA method in calendar year. | 4 |
| 1. ECDA | 4 |
| 2. ICDA | 0 |
| 3. SCCDA | 0 |
| b. Total number of anomalies identified by each DA method and repaired in calendar year based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | 4 |
| 1. ECDA | 4 |
| 2. ICDA | 0 |
| 3. SCCDA | 0 |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT meeting the definition of: | 4 |
| 1. "Immediate repair conditions" [192.933(d)(1)] | 4 |
| 2. "One-year conditions" [192.933(d)(2)] | 0 |
| 3. "Monitored conditions" [192.933(d)(3)] | 0 |
| 4. Other "Scheduled conditions" [192.933(c)] | 0 |
| 5. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON OTHER INSPECTION TECHNIQUES | |
| a. Total mileage inspected by inspection techniques other than those listed above in calendar year. | 0 |
| b. Total number of anomalies identified by other inspection techniques and repaired in calendar year based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment. | 0 |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT meeting the definition of: | 0 |
| 1. "Immediate repair conditions" [192.933(d)(1)] | 0 |
| 2. "One-year conditions" [192.933(d)(2)] | 0 |
| 3. "Monitored conditions" [192.933(d)(3)] | 0 |
| 4. Other "Scheduled conditions" [192.933(c)] | 0 |
| 6. TOTAL MILEAGE INSPECTED (ALL METHODS) AND ACTIONS TAKEN IN CALENDAR YEAR | |
| a. Total mileage inspected in calendar year. (Lines 1.e + 3.a + 4.a.1 + 4.a.2 + 4.a.3 + 5.a) | 30.6 |
| b. Total number of anomalies repaired in calendar year both within an HCA Segment and outside of an HCA Segment. (Lines 2.b + 3.b + 4.b.1 + 4.b.2 + 4.b.3 + 5.b) | 4 |
| c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT. (Lines 2.c.1 + 2.c.2 + 2.c.3 + 2.c.4 + 3.c + 3.d + 4.c.1 + 4.c.2 + 4.c.3 + 4.c.4 + 5.c.1 + 5.c.2 + 5.c.3 + 5.c.4) | 6 |
| PART G– MILES OF BASELINE ASSESSMENTS AND REASSESSMENTS COMPLETED IN CALENDAR YEAR (HCA Segment miles ONLY) | |
| a. Baseline assessment miles completed during the calendar year. | 5 |
| b. Reassessment miles completed during the calendar year. | 6.2 |
| c. Total assessment and reassessment miles completed during the calendar year. | 11.2 |

For the designated Commodity Group, complete PARTs H, I, J, K, L, and M covering INTERstate pipelines and/or pipeline facilities for each State in which INTERstate systems exist within this OPID and again covering INTRAsate pipelines and/or pipeline facilities for each State in which INTRAsate systems exist within this OPID.

| PARTs H, I, J, K, L and M | | | | | | | | | |
|--|--|--|------|-----|------|-----|------|-----|-----|
| The data reported in these PARTs H, I, J, K, L and M applies to: | | | | | | | | | |
| INTRASTATE pipelines/pipeline facilities ARIZONA | | | | | | | | | |
| PART H - MILES OF TRANSMISSION PIPE BY NOMINAL PIPE SIZE (NPS) | | | | | | | | | |
| Onshore | NPS 4" or less | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" |
| | 170 | 108.8 | 44.8 | 48 | 31.7 | 0 | 17.5 | 0 | 0 |
| | 22" | 24" | 26" | 28" | 30" | 32" | 34" | 36" | 38" |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40" | 42" | 44" | 46" | 48" | 50" | 52" | 54" | 56" |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 58" and over | Additional Sizes and Miles (Size – Miles); | | | | | | | |
| 0 | 5 - 26.9; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | | |
| 447.7 | Total Miles of Onshore Pipe – Transmission | | | | | | | | |
| Offshore | NPS 4" or less | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" |
| | | | | | | | | | |
| | 22" | 24" | 26" | 28" | 30" | 32" | 34" | 36" | 38" |
| | | | | | | | | | |
| | 40" | 42" | 44" | 46" | 48" | 50" | 52" | 54" | 56" |
| | | | | | | | | | |
| | 58" and over | Additional Sizes and Miles (Size – Miles); | | | | | | | |
| | - ; - ; - ; - ; - ; - ; - ; - ; - ; - ; | | | | | | | | |
| | Total Miles of Offshore Pipe – Transmission | | | | | | | | |

| PART I - MILES OF GATHERING PIPE BY NOMINAL PIPE SIZE (NPS) | | | | | | | | | | |
|--|-------------------|-------------|-------------|-------------|-------------|-------------|-----|-----|-----|--------------|
| Onshore Type A | NPS 4" or less | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" | |
| | | | | | | | | | | |
| | 22" | 24" | 26" | 28" | 30" | 32" | 34" | 36" | 38" | |
| | | | | | | | | | | |
| | 40" | 42" | 44" | 46" | 48" | 50" | 52" | 54" | 56" | 58" and over |
| | | | | | | | | | | |
| Additional Sizes and Miles (Size – Miles;): | | | | | | | | | | |
| Total Miles of Onshore Type A Pipe – Gathering | | | | | | | | | | |
| Onshore Type B | NPS 4" or less | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" | |
| | | | | | | | | | | |
| | 22" | 24" | 26" | 28" | 30" | 32" | 34" | 36" | 38" | |
| | | | | | | | | | | |
| | 40" | 42" | 44" | 46" | 48" | 50" | 52" | 54" | 56" | 58" and over |
| | | | | | | | | | | |
| Additional Sizes and Miles (Size – Miles;): | | | | | | | | | | |
| Total Miles of Onshore Type B Pipe – Gathering | | | | | | | | | | |
| Offshore | NPS 4" or less | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" | |
| | | | | | | | | | | |
| | 22" | 24" | 26" | 28" | 30" | 32" | 34" | 36" | 38" | |
| | | | | | | | | | | |
| | 40" | 42" | 44" | 46" | 48" | 50" | 52" | 54" | 56" | 58" and over |
| | | | | | | | | | | |
| Additional Sizes and Miles (Size – Miles;): | | | | | | | | | | |
| Total Miles of Offshore Pipe – Gathering | | | | | | | | | | |
| PART J – MILES OF PIPE BY DECADE INSTALLED | | | | | | | | | | |
| Decade Pipe Installed | Pre-40 or Unknown | 1940 - 1949 | 1950 - 1959 | 1960 - 1969 | 1970 - 1979 | 1980 - 1989 | | | | |
| Transmission | | | | | | | | | | |
| Onshore | 8 | 29.6 | 156.2 | 135.7 | 54.1 | 24.1 | | | | |
| Offshore | | | | | | | | | | |
| Subtotal Transmission | 8 | 29.6 | 156.2 | 135.7 | 54.1 | 24.1 | | | | |
| Gathering | | | | | | | | | | |
| Onshore Type A | | | | | | | | | | |
| Onshore Type B | | | | | | | | | | |
| Offshore | | | | | | | | | | |
| Subtotal Gathering | | | | | | | | | | |

| | | | | | | |
|------------------------------|-------------|-------------|-------------|-------|------|-------------|
| Total Miles | 8 | 29.6 | 156.2 | 135.7 | 54.1 | 24.1 |
| Decade Pipe Installed | 1990 - 1999 | 2000 - 2009 | 2010 - 2019 | | | Total Miles |
| Transmission | | | | | | |
| Onshore | 9 | 29.8 | 1.2 | | | 447.7 |
| Offshore | | | | | | |
| Subtotal Transmission | 9 | 29.8 | 1.2 | | | 447.7 |
| Gathering | | | | | | |
| Onshore Type A | | | | | | |
| Onshore Type B | | | | | | |
| Offshore | | | | | | |
| Subtotal Gathering | | | | | | |
| Total Miles | 9 | 29.8 | 1.2 | | | 447.7 |

PART K- MILES OF TRANSMISSION PIPE BY SPECIFIED MINIMUM YIELD STRENGTH

| ONSHORE | CLASS LOCATION | | | | Total Miles |
|--|----------------|---------|---------|---------|-------------|
| | Class 1 | Class 2 | Class 3 | Class 4 | |
| Less than 20% SMYS | 44.5 | 8 | 78.1 | 1.6 | 132.2 |
| Greater than or equal to 20% SMYS but less than 30% SMYS | 62.2 | 2.9 | 125.6 | 3.8 | 194.5 |
| Greater than or equal to 30% SMYS but less than or equal to 40% SMYS | 19 | 2.5 | 35.1 | .8 | 57.4 |
| Greater than 40% SMYS but less than or equal to 50% SMYS | 12.4 | .1 | 20.3 | .3 | 33.1 |
| Greater than 50% SMYS but less than or equal to 60% SMYS | 19.5 | 0 | 4.9 | .2 | 24.6 |
| Greater than 60% SMYS but less than or equal to 72% SMYS | 0 | 0 | 5.6 | .3 | 5.9 |
| Greater than 72% SMYS but less than or equal to 80% SMYS | 0 | 0 | 0 | 0 | 0 |
| Greater than 80% SMYS | 0 | 0 | 0 | 0 | 0 |
| Unknown percent of SMYS | 0 | 0 | 0 | 0 | 0 |
| All Non-Steel pipe | 0 | 0 | 0 | 0 | 0 |
| Onshore Totals | 157.6 | 13.5 | 269.6 | 7 | 447.7 |
| OFFSHORE | Class 1 | | | | |
| Less than or equal to 50% SMYS | | | | | |
| Greater than 50% SMYS but less than or equal to 72% SMYS | | | | | |
| Offshore Total | | | | | |
| Total Miles | 157.6 | | | | 447.7 |

PART L - MILES OF PIPE BY CLASS LOCATION

| | Class Location | | | | Total Class Location Miles | HCA Miles in the IMP Program |
|--|----------------|---------|---------|---------|----------------------------|------------------------------|
| | Class 1 | Class 2 | Class 3 | Class 4 | | |
| | | | | | | |

| Transmission | | | | | | |
|-----------------------|-------|------|-------|-----|-------|------|
| Onshore | 157.7 | 13.6 | 269.7 | 6.7 | 447.7 | 83.9 |
| Offshore | 0 | 0 | 0 | 0 | 0 | |
| Subtotal Transmission | 157.7 | 13.6 | 269.7 | 6.7 | 447.7 | |
| Gathering | | | | | | |
| Onshore Type A | | | | | | |
| Onshore Type B | | | | | | |
| Offshore | | | | | | |
| Subtotal Gathering | | | | | | |
| Total Miles | 157.7 | 13.6 | 269.7 | 6.7 | 447.7 | 83.9 |

PART M – INCIDENTS, FAILURES, LEAKS, AND REPAIRS

PART M1 – ALL LEAKS ELIMINATED/REPAIRED IN CALENDAR YEAR; INCIDENTS & FAILURES IN HCA SEGMENTS IN CALENDAR YEAR

| Cause | Transmission Incidents, Leaks, and Failures | | | | | Gathering Leaks | | | |
|---|---|---------------|---------|----------------|---------|--------------------------|---------------|--------|----------------|
| | Incidents in HCA Segments | Leaks | | | | Failures in HCA Segments | Onshore Leaks | | Offshore Leaks |
| | | Onshore Leaks | | Offshore Leaks | | | Type A | Type B | |
| | | HCA | Non-HCA | HCA | Non-HCA | | | | |
| External Corrosion | 0 | 0 | 0 | 0 | 0 | | | | |
| Internal Corrosion | 0 | 0 | 0 | 0 | 0 | | | | |
| Stress Corrosion Cracking | 0 | 0 | 0 | 0 | 0 | | | | |
| Manufacturing | 0 | 1 | 0 | 0 | 0 | | | | |
| Construction | 0 | 0 | 2 | 0 | 2 | | | | |
| Equipment | 0 | 1 | 2 | 0 | 0 | | | | |
| Incorrect Operations | 0 | 0 | 0 | 0 | 0 | | | | |
| Third Party Damage/Mechanical Damage | | | | | | | | | |
| Excavation Damage | 0 | 0 | 1 | 0 | 0 | 1 | | | |
| Previous Damage (due to Excavation Activity) | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Vandalism (includes all Intentional Damage) | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Weather Related/Other Outside Force | | | | | | | | | |
| Natural Force Damage (all) | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Other Outside Force Damage (excluding Vandalism and all Intentional Damage) | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Total | 0 | 2 | 6 | 0 | 0 | 3 | | | |

PART M2 – KNOWN SYSTEM LEAKS AT END OF YEAR SCHEDULED FOR REPAIR

| | | | |
|---------------------|---|------------------|---|
| Transmission | 0 | Gathering | 0 |
|---------------------|---|------------------|---|

PART M3 – LEAKS ON FEDERAL LAND OR OCS REPAIRED OR SCHEDULED FOR REPAIR

| Transmission | | Gathering | |
|-----------------------|---|--------------------|--|
| Onshore | 0 | Onshore Type A | |
| | | Onshore Type B | |
| OCS | 0 | OCS | |
| Subtotal Transmission | 0 | Subtotal Gathering | |
| Total | | 0 | |

| PARTs H, I, J, K, L and M | | | | | | | | | |
|---|---|---|-----|-----|-----|-----|-----|-----|-----|
| The data reported in these PARTs H, I, J, K, L and M applies to: | | | | | | | | | |
| INTRASTATE pipelines/pipeline facilities CALIFORNIA | | | | | | | | | |
| PART H - MILES OF TRANSMISSION PIPE BY NOMINAL PIPE SIZE (NPS) | | | | | | | | | |
| Onshore | NPS 4" or less | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" |
| | .1 | .6 | 6.5 | .6 | .8 | 0 | 6.8 | 0 | 0 |
| | 22" | 24" | 26" | 28" | 30" | 32" | 34" | 36" | 38" |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40" | 42" | 44" | 46" | 48" | 50" | 52" | 54" | 56" |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 58" and over | Additional Sizes and Miles (Size – Miles); 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | |
| 0 | | | | | | | | | |
| 15.4 | Total Miles of Onshore Pipe – Transmission | | | | | | | | |
| Offshore | NPS 4" or less | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" |
| | | | | | | | | | |
| | 22" | 24" | 26" | 28" | 30" | 32" | 34" | 36" | 38" |
| | | | | | | | | | |
| | 40" | 42" | 44" | 46" | 48" | 50" | 52" | 54" | 56" |
| | | | | | | | | | |
| 58" and over | Additional Sizes and Miles (Size – Miles); - ; - ; - ; - ; - ; - ; - ; - ; - ; - ; | | | | | | | | |
| | | | | | | | | | |
| | Total Miles of Offshore Pipe – Transmission | | | | | | | | |

| PART I - MILES OF GATHERING PIPE BY NOMINAL PIPE SIZE (NPS) | | | | | | | | | | |
|--|----------------|-----|-----|-----|-----|-----|-----|-----|-----|--------------|
| Onshore Type A | NPS 4" or less | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" | |
| | | | | | | | | | | |
| | 22" | 24" | 26" | 28" | 30" | 32" | 34" | 36" | 38" | |
| | | | | | | | | | | |
| | 40" | 42" | 44" | 46" | 48" | 50" | 52" | 54" | 56" | 58" and over |
| | | | | | | | | | | |
| Additional Sizes and Miles (Size – Miles;): | | | | | | | | | | |
| Total Miles of Onshore Type A Pipe – Gathering | | | | | | | | | | |
| Onshore Type B | NPS 4" or less | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" | |
| | | | | | | | | | | |
| | 22" | 24" | 26" | 28" | 30" | 32" | 34" | 36" | 38" | |
| | | | | | | | | | | |
| | 40" | 42" | 44" | 46" | 48" | 50" | 52" | 54" | 56" | 58" and over |
| | | | | | | | | | | |
| Additional Sizes and Miles (Size – Miles;): | | | | | | | | | | |
| Total Miles of Onshore Type B Pipe – Gathering | | | | | | | | | | |
| Offshore | NPS 4" or less | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" | |
| | | | | | | | | | | |
| | 22" | 24" | 26" | 28" | 30" | 32" | 34" | 36" | 38" | |
| | | | | | | | | | | |
| | 40" | 42" | 44" | 46" | 48" | 50" | 52" | 54" | 56" | 58" and over |
| | | | | | | | | | | |
| Additional Sizes and Miles (Size – Miles;): | | | | | | | | | | |
| Total Miles of Offshore Pipe – Gathering | | | | | | | | | | |

| PART J – MILES OF PIPE BY DECADE INSTALLED | | | | | | |
|---|-------------------|-------------|-------------|-------------|-------------|-------------|
| Decade Pipe Installed | Pre-40 or Unknown | 1940 - 1949 | 1950 - 1959 | 1960 - 1969 | 1970 - 1979 | 1980 - 1989 |
| Transmission | | | | | | |
| Onshore | 0 | 0 | 6.6 | .4 | 0 | 8.3 |
| Offshore | | | | | | |
| Subtotal Transmission | 0 | 0 | 6.6 | .4 | 0 | 8.3 |
| Gathering | | | | | | |
| Onshore Type A | | | | | | |
| Onshore Type B | | | | | | |
| Offshore | | | | | | |
| Subtotal Gathering | | | | | | |

| | | | | | | |
|------------------------------|-------------|-------------|-------------|----|---|-------------|
| Total Miles | 0 | 0 | 6.6 | .4 | 0 | 8.3 |
| Decade Pipe Installed | 1990 - 1999 | 2000 - 2009 | 2010 - 2019 | | | Total Miles |
| Transmission | | | | | | |
| Onshore | 0 | .1 | 0 | | | 15.4 |
| Offshore | | | | | | |
| Subtotal Transmission | 0 | .1 | 0 | | | 15.4 |
| Gathering | | | | | | |
| Onshore Type A | | | | | | |
| Onshore Type B | | | | | | |
| Offshore | | | | | | |
| Subtotal Gathering | | | | | | |
| Total Miles | 0 | .1 | 0 | | | 15.4 |

| PART K- MILES OF TRANSMISSION PIPE BY SPECIFIED MINIMUM YIELD STRENGTH | | | | | |
|---|-----------------------|---------|---------|---------|--------------------|
| ONSHORE | CLASS LOCATION | | | | Total Miles |
| | Class 1 | Class 2 | Class 3 | Class 4 | |
| Less than 20% SMYS | 0 | 0 | 0 | 0 | 0 |
| Greater than or equal to 20% SMYS but less than 30% SMYS | .5 | 0 | 6.6 | 0 | 7.1 |
| Greater than or equal to 30% SMYS but less than or equal to 40% SMYS | 7.6 | 0 | .7 | 0 | 8.3 |
| Greater than 40% SMYS but less than or equal to 50% SMYS | 0 | 0 | 0 | 0 | 0 |
| Greater than 50% SMYS but less than or equal to 60% SMYS | 0 | 0 | 0 | 0 | 0 |
| Greater than 60% SMYS but less than or equal to 72% SMYS | 0 | 0 | 0 | 0 | 0 |
| Greater than 72% SMYS but less than or equal to 80% SMYS | 0 | 0 | 0 | 0 | 0 |
| Greater than 80% SMYS | 0 | 0 | 0 | 0 | 0 |
| Unknown percent of SMYS | 0 | 0 | 0 | 0 | 0 |
| All Non-Steel pipe | 0 | 0 | 0 | 0 | 0 |
| Onshore Totals | 8.1 | 0 | 7.3 | 0 | 15.4 |
| OFFSHORE | Class 1 | | | | |
| Less than or equal to 50% SMYS | | | | | |
| Greater than 50% SMYS but less than or equal to 72% SMYS | | | | | |
| Offshore Total | | | | | |
| Total Miles | 8.1 | | | | 15.4 |

| PART L - MILES OF PIPE BY CLASS LOCATION | | | | | | |
|---|-----------------------|---------|---------|---------|-----------------------------------|-------------------------------------|
| | Class Location | | | | Total Class Location Miles | HCA Miles in the IMP Program |
| | Class 1 | Class 2 | Class 3 | Class 4 | | |
| | | | | | | |

| | | | | | | |
|-----------------------|-----|---|-----|---|------|-----|
| Transmission | | | | | | |
| Onshore | 8.1 | 0 | 7.3 | 0 | 15.4 | 1.1 |
| Offshore | 0 | 0 | 0 | 0 | 0 | |
| Subtotal Transmission | 8.1 | 0 | 7.3 | 0 | 15.4 | |
| Gathering | | | | | | |
| Onshore Type A | | | | | | |
| Onshore Type B | | | | | | |
| Offshore | | | | | | |
| Subtotal Gathering | | | | | | |
| Total Miles | 8.1 | 0 | 7.3 | 0 | 15.4 | 1.1 |

PART M – INCIDENTS, FAILURES, LEAKS, AND REPAIRS

PART M1 – ALL LEAKS ELIMINATED/REPAIRED IN CALENDAR YEAR; INCIDENTS & FAILURES IN HCA SEGMENTS IN CALENDAR YEAR

| Cause | Transmission Incidents, Leaks, and Failures | | | | | | Gathering Leaks | | |
|---|---|---------------|---------|----------------|---------|--------------------------|-----------------|--------|----------------|
| | Incidents in HCA Segments | Leaks | | | | Failures in HCA Segments | Onshore Leaks | | Offshore Leaks |
| | | Onshore Leaks | | Offshore Leaks | | | Type A | Type B | |
| | | HCA | Non-HCA | HCA | Non-HCA | | | | |
| External Corrosion | | | | | | | | | |
| Internal Corrosion | | | | | | | | | |
| Stress Corrosion Cracking | | | | | | | | | |
| Manufacturing | | | | | | | | | |
| Construction | | | | | | | | | |
| Equipment | | | | | | | | | |
| Incorrect Operations | | | | | | | | | |
| Third Party Damage/Mechanical Damage | | | | | | | | | |
| Excavation Damage | | | | | | | | | |
| Previous Damage (due to Excavation Activity) | | | | | | | | | |
| Vandalism (includes all Intentional Damage) | | | | | | | | | |
| Weather Related/Other Outside Force | | | | | | | | | |
| Natural Force Damage (all) | | | | | | | | | |
| Other Outside Force Damage (excluding Vandalism and all Intentional Damage) | | | | | | | | | |
| Other | | | | | | | | | |
| Total | | | | | | | | | |

PART M2 – KNOWN SYSTEM LEAKS AT END OF YEAR SCHEDULED FOR REPAIR

| Transmission | Gathering |
|-----------------------|--------------------|
| Onshore | Onshore Type A |
| | Onshore Type B |
| OCS | OCS |
| Subtotal Transmission | Subtotal Gathering |
| Total | |

| PARTs H, I, J, K, L and M | | | | | | | | | |
|---|---|---|-----|------|------|-----|-------|-----|------|
| The data reported in these PARTs H, I, J, K, L and M applies to: | | | | | | | | | |
| INTRASTATE pipelines/pipeline facilities NEVADA | | | | | | | | | |
| PART H - MILES OF TRANSMISSION PIPE BY NOMINAL PIPE SIZE (NPS) | | | | | | | | | |
| Onshore | NPS 4" or less | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" |
| | .2 | 10.2 | 9.7 | 40.8 | 69.8 | 0 | 125.4 | 0 | 24.2 |
| | 22" | 24" | 26" | 28" | 30" | 32" | 34" | 36" | 38" |
| | 0 | 54.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 40" | 42" | 44" | 46" | 48" | 50" | 52" | 54" | 56" |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 58" and over | Additional Sizes and Miles (Size – Miles); 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; | | | | | | | |
| 0 | | | | | | | | | |
| 334.6 | Total Miles of Onshore Pipe – Transmission | | | | | | | | |
| Offshore | NPS 4" or less | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" |
| | | | | | | | | | |
| | 22" | 24" | 26" | 28" | 30" | 32" | 34" | 36" | 38" |
| | | | | | | | | | |
| | 40" | 42" | 44" | 46" | 48" | 50" | 52" | 54" | 56" |
| | | | | | | | | | |
| 58" and over | Additional Sizes and Miles (Size – Miles); - ; - ; - ; - ; - ; - ; - ; - ; - ; - ; | | | | | | | | |
| | | | | | | | | | |
| | Total Miles of Offshore Pipe – Transmission | | | | | | | | |
| | | | | | | | | | |

| PART I - MILES OF GATHERING PIPE BY NOMINAL PIPE SIZE (NPS) | | | | | | | | | | |
|--|-------------------|-------------|-------------|-------------|-------------|-------------|-----|-----|-----|--------------|
| Onshore Type A | NPS 4" or less | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" | |
| | | | | | | | | | | |
| | 22" | 24" | 26" | 28" | 30" | 32" | 34" | 36" | 38" | |
| | | | | | | | | | | |
| | 40" | 42" | 44" | 46" | 48" | 50" | 52" | 54" | 56" | 58" and over |
| | | | | | | | | | | |
| Additional Sizes and Miles (Size – Miles;): | | | | | | | | | | |
| Total Miles of Onshore Type A Pipe – Gathering | | | | | | | | | | |
| Onshore Type B | NPS 4" or less | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" | |
| | | | | | | | | | | |
| | 22" | 24" | 26" | 28" | 30" | 32" | 34" | 36" | 38" | |
| | | | | | | | | | | |
| | 40" | 42" | 44" | 46" | 48" | 50" | 52" | 54" | 56" | 58" and over |
| | | | | | | | | | | |
| Additional Sizes and Miles (Size – Miles;): | | | | | | | | | | |
| Total Miles of Onshore Type B Pipe – Gathering | | | | | | | | | | |
| Offshore | NPS 4" or less | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" | |
| | | | | | | | | | | |
| | 22" | 24" | 26" | 28" | 30" | 32" | 34" | 36" | 38" | |
| | | | | | | | | | | |
| | 40" | 42" | 44" | 46" | 48" | 50" | 52" | 54" | 56" | 58" and over |
| | | | | | | | | | | |
| Additional Sizes and Miles (Size – Miles;): | | | | | | | | | | |
| Total Miles of Offshore Pipe – Gathering | | | | | | | | | | |
| PART J – MILES OF PIPE BY DECADE INSTALLED | | | | | | | | | | |
| Decade Pipe Installed | Pre-40 or Unknown | 1940 - 1949 | 1950 - 1959 | 1960 - 1969 | 1970 - 1979 | 1980 - 1989 | | | | |
| Transmission | | | | | | | | | | |
| Onshore | 0 | 0 | 97.1 | 90.4 | 17.8 | 2.1 | | | | |
| Offshore | | | | | | | | | | |
| Subtotal Transmission | 0 | 0 | 97.1 | 90.4 | 17.8 | 2.1 | | | | |
| Gathering | | | | | | | | | | |
| Onshore Type A | | | | | | | | | | |
| Onshore Type B | | | | | | | | | | |
| Offshore | | | | | | | | | | |
| Subtotal Gathering | | | | | | | | | | |

| | | | | | | |
|------------------------------|-------------|-------------|-------------|------|------|-------------|
| Total Miles | 0 | 0 | 97.1 | 90.4 | 17.8 | 2.1 |
| Decade Pipe Installed | 1990 - 1999 | 2000 - 2009 | 2010 - 2019 | | | Total Miles |
| Transmission | | | | | | |
| Onshore | 87.4 | 38.9 | .9 | | | 334.6 |
| Offshore | | | | | | |
| Subtotal Transmission | 87.4 | 38.9 | .9 | | | 334.6 |
| Gathering | | | | | | |
| Onshore Type A | | | | | | |
| Onshore Type B | | | | | | |
| Offshore | | | | | | |
| Subtotal Gathering | | | | | | |
| Total Miles | 87.4 | 38.9 | .9 | | | 334.6 |

| PART K- MILES OF TRANSMISSION PIPE BY SPECIFIED MINIMUM YIELD STRENGTH | | | | | |
|---|-----------------------|---------|---------|---------|--------------------|
| ONSHORE | CLASS LOCATION | | | | Total Miles |
| | Class 1 | Class 2 | Class 3 | Class 4 | |
| Less than 20% SMYS | 14.4 | 0 | 10.4 | .7 | 25.5 |
| Greater than or equal to 20% SMYS but less than 30% SMYS | 2.4 | 0 | 50.8 | 3 | 56.2 |
| Greater than or equal to 30% SMYS but less than or equal to 40% SMYS | 46.3 | 6.4 | 45 | .3 | 98 |
| Greater than 40% SMYS but less than or equal to 50% SMYS | 54.3 | 0 | 34 | 0 | 88.3 |
| Greater than 50% SMYS but less than or equal to 60% SMYS | 46 | 0 | 0 | 0 | 46 |
| Greater than 60% SMYS but less than or equal to 72% SMYS | 20.6 | 0 | 0 | 0 | 20.6 |
| Greater than 72% SMYS but less than or equal to 80% SMYS | 0 | 0 | 0 | 0 | 0 |
| Greater than 80% SMYS | 0 | 0 | 0 | 0 | 0 |
| Unknown percent of SMYS | 0 | 0 | 0 | 0 | 0 |
| All Non-Steel pipe | 0 | 0 | 0 | 0 | 0 |
| Onshore Totals | 184 | 6.4 | 140.2 | 4 | 334.6 |
| OFFSHORE | Class 1 | | | | |
| Less than or equal to 50% SMYS | | | | | |
| Greater than 50% SMYS but less than or equal to 72% SMYS | | | | | |
| Offshore Total | | | | | |
| Total Miles | 184 | | | | 334.6 |

| PART L - MILES OF PIPE BY CLASS LOCATION | | | | | | |
|---|-----------------------|---------|---------|---------|-----------------------------------|-------------------------------------|
| | Class Location | | | | Total Class Location Miles | HCA Miles in the IMP Program |
| | Class 1 | Class 2 | Class 3 | Class 4 | | |
| | | | | | | |

| Transmission | | | | | | |
|-----------------------|-----|-----|-------|---|-------|------|
| Onshore | 184 | 6.4 | 140.2 | 4 | 334.6 | 75.2 |
| Offshore | 0 | 0 | 0 | 0 | 0 | |
| Subtotal Transmission | 184 | 6.4 | 140.2 | 4 | 334.6 | |
| Gathering | | | | | | |
| Onshore Type A | | | | | | |
| Onshore Type B | | | | | | |
| Offshore | | | | | | |
| Subtotal Gathering | | | | | | |
| Total Miles | 184 | 6.4 | 140.2 | 4 | 334.6 | 75.2 |

PART M – INCIDENTS, FAILURES, LEAKS, AND REPAIRS

PART M1 – ALL LEAKS ELIMINATED/REPAIRED IN CALENDAR YEAR; INCIDENTS & FAILURES IN HCA SEGMENTS IN CALENDAR YEAR

| Cause | Transmission Incidents, Leaks, and Failures | | | | | Gathering Leaks | | | |
|---|---|---------------|---------|----------------|---------|--------------------------|---------------|--------|----------------|
| | Incidents in HCA Segments | Leaks | | | | Failures in HCA Segments | Onshore Leaks | | Offshore Leaks |
| | | Onshore Leaks | | Offshore Leaks | | | Type A | Type B | |
| | | HCA | Non-HCA | HCA | Non-HCA | | | | |
| External Corrosion | 0 | 0 | 0 | 0 | 0 | | | | |
| Internal Corrosion | 0 | 0 | 0 | 0 | 0 | | | | |
| Stress Corrosion Cracking | 0 | 0 | 0 | 0 | 0 | | | | |
| Manufacturing | 0 | 0 | 0 | 0 | 0 | | | | |
| Construction | 0 | 0 | 0 | 0 | 4 | | | | |
| Equipment | 0 | 1 | 0 | 0 | 0 | | | | |
| Incorrect Operations | 0 | 0 | 0 | 0 | 0 | | | | |
| Third Party Damage/Mechanical Damage | | | | | | | | | |
| Excavation Damage | 0 | 0 | 0 | 0 | 0 | 2 | | | |
| Previous Damage (due to Excavation Activity) | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Vandalism (includes all Intentional Damage) | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Weather Related/Other Outside Force | | | | | | | | | |
| Natural Force Damage (all) | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Other Outside Force Damage (excluding Vandalism and all Intentional Damage) | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Total | 0 | 1 | 0 | 0 | 0 | 6 | | | |

PART M2 – KNOWN SYSTEM LEAKS AT END OF YEAR SCHEDULED FOR REPAIR

| Transmission | | Gathering | |
|-----------------------|---|--------------------|--|
| Onshore | 0 | Onshore Type A | |
| OCS | 0 | Onshore Type B | |
| Subtotal Transmission | 0 | OCS | |
| | | Subtotal Gathering | |
| Total | | 0 | |

For the designated Commodity Group, complete PART N one time for all of the pipelines and/or pipeline facilities included within this OPID, and then also PART O if any portion(s) of the pipelines and/or pipeline facilities covered under this Commodity Group and OPID are included in an Integrity Management Program subject to 49 CFR 192.

PART N - PREPARER SIGNATURE (applicable to all PARTs A - M)

Joel Martell

Preparer's Name(type or print)

(702) 876-7283

Telephone Number

Supervisor/Engineering

Preparer's Title

(702) 876-4238

Facsimile Number

Joel.Martell@swgas.com

Preparer's E-mail Address

PART O - CERTIFYING SIGNATURE (applicable only to PARTs B, F, G, and M1)

Jerome T. Schmitz

Senior Executive Officer's signature certifying the information in PARTs B, F, G, and M as required by 49 U.S.C. 60109(f)

(702) 876-7112

Telephone Number

Jerome T. Schmitz

Senior Executive Officer's name certifying the information in PARTs B, F, G, and M as required by 49 U.S.C. 60109(f)

Vice President/Engineering

Senior Executive Officer's title certifying the information in PARTs B, F, G, and M as required by 49 U.S.C. 60109(f)

Jerry.Schmitz@swgas.com

Senior Executive Officer's E-mail Address