DOT	US Department of Transportation
PHMSA	Pipelines and Hazardous Materials Safety Administration
OPS	Office of Pipeline Safety
	Western Region

Principal Investigator	Mike Petronis/Jim Coleman
Regional Accident Coordinator	Peter J. Katchmar
<b>Region Director</b>	Chris Hoidal
Date of Report	10/08/2013
Subject	Failure Investigation Report – Belle Fourche-Sussex Diesel Line Release

# **Operator, Location, & Consequences**

Date of Failure	11/13/2011
<b>Commodity Released</b>	Diesel, Fuel Oil
City/County & State	Wright/Campbell County, WY
<b>Op ID &amp; Operator Name</b>	1248 Belle Fourche Pipeline Company
Unit # & Unit Name	73919/Sussex Diesel Line
SMART Activity #	136756
Milepost / Location	MP 71.3/N 44.02195, W 105.53802
Type of Failure	Operator Error/Incorrect Operations
Fatalities	0
Injuries	0
Description of Area Impacted	Site is approximately 18 miles SW of Gillette and NW of Wright, WY, in a very remote area.
Property Damage	\$1,872,546

## **Executive Summary**

On the evening of November 13, 2011, a release of nearly 19,000 barrels of diesel fuel occurred at the Belle Fourche Pipeline Company's (BFPL) Davis Station in a remote area of Wyoming. Immediately prior to the incident, a supervisory control and data acquisition (SCADA) controller for the BFPL started a delivery of diesel fuel. After the shipment was started, a booster pump in the middle of the line exceeded the pump's high discharge pressure setting and went offline. The high pressure occurred because the mainline valves were closed and no flow could occur. The controller reset the line and restarted the pump. The controller did not check to ensure diesel product was being delivered into the Hawk Point tank, which was the intended destination of the product. Near the end of the scheduled delivery, on the morning of November 14, 2011, the controller noticed that the meter at the Hawk Point station had not moved. The controller confirmed no-flow conditions at the delivery tank, shut down the line, and dispatched a field technician to check the line conditions. The field technician, after finding nothing wrong with the meter at the Hawk Point station, drove to the Davis Station and saw diesel spilling out of the vault that houses the Davis Station and mainline valves. PHMSA's investigation determined that the primary cause of the release was operator error, specifically, the controller pumped against two closed valves, which resulted in a failure of the valve flange gasket. Secondary causes that contributed to the incident were a lack of detailed written procedures for normal and abnormal conditions, difficulty in ascertaining valve positions, and an improperly installed flange gasket.

## **System Details**

BFPL's Sussex Diesel Line ships diesel fuel from ConocoPhillips's Seminoe pipeline to Belle Fourche's Hawk Point terminal facility for use in the surrounding mining industry. The 6-inch pipeline begins at the upstream flange to Belle Fourche's pump skid. This is downstream of the custody transfer meter on ConocoPhillips's Seminoe pipeline at the Tisdale Pump Station, approximately 58 miles south of Buffalo, WY. The pipeline continues northeast to the Sussex Pump Station and breakout tank and then on to the Iberlin booster pump site about 49 miles from the Tisdale station. At Iberlin, the line reduces to a 4-inch outside diameter. The pipeline continues east 26 miles to the Hawk Point terminal facility, approximately 18 miles south of Gillette, WY, where it ends at the upstream side of the custody transfer meter at Hawk Point. Between Iberlin and Hawk Point, there is one breakout tank at the Davis facility. At Hawk Point, there is one breakout tank that can receive surges from the Sussex diesel line as well as store diesel for distribution via a truck loading facility. Pipe was installed between 1960 and 1999.

The diesel system is a 75-mile pipeline consisting of 49 miles of 6-inch-diameter pipe and 26 miles of 4-inch-diameter pipe. The pipeline takes deliveries off of the Conoco Phillips Seminoe line directly into the Sussex tank. From the Sussex tank, product is shipped to Hawk Point. Along the way, it goes past the Iberlin booster station that is situated at the

beginning of the 4-inch-diameter line. Deliveries can be made into the Davis tank and reinjected into the line for delivery into Hawk Point, or product can be delivered directly to Hawk Point. (b) (7)(F)





Figure #1

## System History

Due to the Silvertip line rupture in Montana on July 2, 2011, the Seminoe line had no diesel to sell to Belle Fourche, and the Sussex diesel line sat idle until October 16, 2011. On that day, Belle Fourche started receiving diesel from the Seminoe line into the Sussex tank and down the line to the Hawk Point Terminal. On October 22, 2011, high tank levels at Hawk Point caused the direction of flow to change back into the Davis tank. A field employee was dispatched to change the flow by opening the closed input valve into the Davis station. He opened the valve into the Davis tank. At this time, the operator reported they thought the mainline valve was closed. From October 22, 2011, until October 31, 2011, the product flow went through the Davis station tank and out to Hawk Point instead of going through the

mainline valve, which is the normal flow for this line. From October 31, 2011, to November 11, 2011, no deliveries were made along this line to Davis or Hawk Point.

With the anticipation of deliveries over the weekend and the need to expedite them to Hawk Point, a different field employee was dispatched on November 11, 2011, to close the Davis input valve to allow normal flow along the line to Hawk Point. Because the employee knew the mainline valve was normally open and there was no written procedure requiring the valve be checked, the employee did not check the status of the mainline valve.

At 6:32 p.m. mountain standard time (MST), on the evening of November 13, 2011, the controller began the sequence to start the system and deliver product from Sussex to Hawk Point.

## **Events Leading up to the Failure**

At 6:32 p.m. MST, on November 13, 2011, the controller at the SCADA control center began the sequence to start the system and deliver product from Sussex into Hawk Point. The sequence was executed correctly, but at 7:40 p.m., due to the closed mainline block valve, the high-pressure switch at Iberlin shut down the Iberlin booster. Per the written procedures, the controller proceeded to shut down the upstream pumps at Sussex.

The controller began the start sequence for the second time at 7:49 p.m., and the system began coming up to pressure. At 7:55 p.m., the controller started the pump at the Iberlin booster station. At 8:04 p.m., as the Iberlin booster came up to speed, the controller received a high-discharge pressure alarm. The controller stopped Pump 4 at Sussex to avoid over-pressurizing the system and was successful in stabilizing the system at a pressure below the high-pressure alarm. Per procedure, the controller set alarm levels for each of the tank levels and allowed the system to run.

At 2:53 a.m., on November 14, 2011, the controller recognized that there was no flow coming into the Hawk Point tank. The controller set a tank level alarm to see if there was product there and whether the meter had failed or if the product was not arriving. Upon confirming no-flow status, the controller began shut down procedures and proceeded to call local field personnel out to investigate. The leak was located at 5:00 a.m. when personnel found diesel overflowing the vault housing the Davis valves.

## **Investigation**

After the ExxonMobil release into the Yellowstone River on July 1, 2011, diesel deliveries were curtailed to Belle Fourche's Hawk Point Station from the ConocoPhillips (CPPL) refinery in Billings, MT. After the Yellowstone River incident occurred and the pipeline was returned to crude oil delivery, a decision was made to start delivering diesel from CPPL to Hawk Point again. When the required tank level at Hawk Point was reached, a field employee was dispatched to open the Davis input line valve to allow flow into the Davis tank.

At some point, someone closed the mainline valve near the Davis Station (which is normally open at all times to allow distribution to Hawk Point). All individuals involved were interviewed, and no one took responsibility for closing the mainline valve.

A few weeks later, the controller was scheduled to make another delivery to Hawk Point, and a different individual was dispatched to close the Davis input line control valve (which is used to control the flow to Davis or Hawk Point). This normally allows the delivery to continue along the main line to Hawk Point, bypassing the Davis Station. When the delivery to Hawk Point was initiated, the pump went down due to high-discharge pressure at the Iberlin booster station as designed. At this time, the mainline valve gasket blew due to the incorrect torque setting of the flange bolts because the pressure climbed to 1087 pounds per square inch gage (psig) on the line but was short of the high-pressure shutdown set point of 1120 psig and the maximum operating pressure (MOP) of 1200 psig.

During the controller interview, the controller stated that there were unwritten rules in the control room; one of which was that whenever an abnormal event occurred, the controller was supposed to inform his supervisor. The controller did not report this shutdown to his supervisor, nor did the controller check with field personnel to understand why the line went down. The controller reset the pipeline system and attempted a restart. When the restart was done and the line came up to pressure, the Iberlin booster station pump came online and another high-pressure alarm was received. The controller shut down Pump 4 at Sussex to avoid over-pressurizing the system and was successful at stabilizing the line at a pressure below the high-pressure set point. Per his procedure, he set the tank alarms and let the system run.

There were only general written procedures for operating the Sussex Diesel line detailing which pumps to start and generally how to start the line flowing. The written procedures did not include any information concerning valve configuration other than generally stating that the controller should make sure the valves are configured correctly before starting the pumps, which was not done. (b) (7)(F) There is the same written procedure for lines not controlled by SCADA, which requires field personnel to check valve alignment before starting a pipeline. The controller did explain that his written procedures did not cover the specific hydraulic concerns for the Sussex Diesel line. He also said that the unwritten diesel line system procedure is, because of slack line conditions, to wait approximately 2 hours after successful start-up for the system to achieve steady-state flow before checking the flow into the Hawk Point tank. The controller did not do this, and diesel fuel flowed onto the ground for approximately 7 hours before he discovered product was not flowing into the Hawk Point tank. When the controller noticed that product was not flowing into the Hawk Point tank, he shut the system down and dispatched a field employee to find out what was going on. The field employee found a leak in the vault of the mainline valve near the Davis station. The leak was from the upstream flange of the closed mainline valve. Repair and cleanup was started immediately. The reason the operator was so sure of the spill volume is because the batch they were shipping was 1900 BBLs, and it was all lost. Two days after the gasket was replaced, a successful 4-hour hold pressure test on the line at 770 psig was conducted.

## **Emergency Response**

At 2:53 a.m., on November 14, 2011, the controller recognized that there was no product flowing into the Hawk Point tank. He set a tank level alarm to see if there was product there and whether the meter had failed or if the product never arrived. When he discovered the no-flow status of the product and no tank level, he began to shut down the system and call local

field personnel out to investigate. After checking the Hawk Point tank and meter and finding no problems, the field tech went to the Davis station and found no problems there. He then went up the hill to the vault containing the mainline valves.

At 5:00 a.m., the field tech discovered a leak in the vault coming from the upstream flange of the mainline valve. Repairs and clean up started immediately. Most of the diesel soaked into the ground. A new gasket was installed on the valve, and the flange bolts on both sides of the valve were checked for the proper torque pattern and setting.

## <u>Summary of Initial Start-up Plan and Return-to-Service, including Preliminary Safety</u> <u>Measures</u>

A new mainline valve flange gasket was correctly installed, and the system was brought up to operating pressure and continues to operate with no issues. On November 16, 2011, the operator conducted a 4-hour hold test on the line at 770 psig with no leaks or issues.

The operator has already implemented an Operator Qualification task related to the installation of flange gaskets.

Company management, field operations personnel, and control center staff met to further investigate the accident and discuss possible changes to prevent this from happening on the line in the future. Some possible changes that were discussed included:

- 1) Adding signage and warning tags to the vault for the mainline valve and the valve itself telling personnel not to change the configuration of the valve without explicit instructions from their supervisor.
- 2) Improving all stages of training of field personnel about the danger of closing the mainline valve and ensuring all personnel know how the system works from beginning to end.
- 3) Installing SCADA equipment allowing the control center to see the status of the mainline valve and/or operate it from the control room.
- 4) Making changes to field operating procedures explaining how line flow is diverted to the Davis tank and/or sent directly to Hawk Point.
- 5) Possibly reconstructing the present mainline valve setup to an above-ground valve setup.
- 6) Including all control center operations in table-top drills and conducting Abnormal Operating Condition (AOC) simulation drills to keep controllers fresh and avoid complacency.
- 7) Reviewing and updating all training materials for controllers.
- 8) Programming the programmable logic controllers to raise an alarm when the system is started if no flow is detected at downstream stations after a defined short period of time.

# Investigation Findings & Contributing Factors

PHMSA's investigation determined that the primary/immediate cause of this release was Operator Error, specifically, pumping against closed valves. Contributing factors to this incident included:

- 1. Field personnel were not familiar with the operations of the Sussex Diesel Line and improperly closed the mainline valve prior to attempting to pump through that line section.
  - a. BFPL had no written procedures for keeping the Davis mainline valve open.
  - b. BFPL had no engineering design barriers in place to make sure the Davis mainline valve was never closed.
- 2. The controller did not follow the procedures requiring him to check valve alignment before operating the pipeline.
  - a. Since the valves at the Davis Station are not remotely controlled by the control room, field personnel should have been dispatched to ensure the correct valve alignment.
- 3. The controller did not have adequate start up procedures for this line.
  - a. BFPL's written start up procedure is inadequate.
    - i. The line operates in slack conditions and it takes time to pack. The controller knows this and reported that the unwritten procedure is for the controller to wait a sufficient time period and then check for flow into the downstream tank.
- 4. The controller did not have enough information to operate the line successfully. The existing system controls do not indicate the position of critical operational valves.
- 5. The mainline valve flange gasket was improperly installed when the Davis mainline valve was replaced in 2008.
  - a. BFPL has no written procedures detailing the installation of a four-inch flanged connection.

# **Appendices**

- 1. System map
- 2. Valving schematic
- 3. Iberlin to Hawk Point Elevation Profile
- 4. Photographs
- 5. Operator's Narrative
- 6. NRC Report #995428
- 7. NRC Report #995432
- 8. BFPL 30 Day Written Report



Map of Pipeline System



Davis Station Valve Configuration



Iberlin to Hawk Point Elevation Profile



Davis Valve failed flange gasket – note depression at upper portion of gasket indicating appropriate compression of the gasket. The lower portion of the gasket does not have this depression indicating that it was not adequately compressed. This was likely due to the flange bolts not being properly torqued.









Davis Valve Release Location – looking upstream towards Iberlin Station



Looking Downstream towards Hawk Point Station



**Davis Station** 

(b) (7)(F)		

From:	Ken Dockweiler
To:	Coleman, James (PHMSA)
Subject:	Narrative Account
Date:	Monday, November 21, 2011 2:06:28 PM

Below is an accounting of the events surrounding the diesel spill. Of course our cleanup is ongoing and our conversation around the event will continue for some time.

As always feel free to contact me with any questions or concerns you may have as you review this and/or any of the other data that Mike gathered while he was out.

Thanks, Ken

### **Background information:**

The diesel system is a 75 mile pipeline consisting of 49 miles of 6" pipe and 26 miles of 4" pipe. The pipeline takes deliveries off of the Conoco Phillips Seminoe line directly into our Sussex tank. From the Sussex tank product is shipped to Hawk Point. Along the way it goes past the Iberlin booster that is situated at the beginning of the 4". Deliveries can be made into Davis tank and re-injected into the line for delivery on into Hawk Point or it can be delivered directly into Hawk (b) (7)(F)

(b) (7)(F)			_
	_(b) (3)		

This summer after the Silvertip pipeline incident in Montana there was no diesel available on the COP pipeline and for almost four months the pipeline sat idle. On October 16, we began receiving product off of Seminoe into our Sussex tank.

On October 22<sup>nd</sup> high tank levels at Hawk Point dictated changing the direction of flow into Davis. Employee A was dispatched to make the switch. Employee A opened the value into Davis, but was not aware that the (b) (7)(F)

From October 22<sup>nd</sup> until October 31<sup>st</sup> flow continued to go into Davis and back out to Hawk Point around the closed mainline block valve. From October 31<sup>st</sup> to November 11<sup>th</sup> no deliveries were made into either Hawk Point or Davis station.

In anticipation of deliveries beginning over the weekend and in the interest of expediting delivery into Hawk Point Employee B was dispatched on November 11<sup>th</sup> to change the valve configuration to deliver directly into Hawk Point bypassing the Davis Station. Employee B was unaware that Employee A had closed the mainline block valve and because the valve is normally left open at all times Employee B had no reason to descend into the closure and inspect it.

### The events of November 13<sup>th</sup> and 14<sup>th</sup>:

At 6:32 p.m. on November 13<sup>th</sup> the controller at the control center began the sequence to start the system and deliver from Sussex into Hawk Point. The sequence was executed correctly but at 7:40

Highest pressure observed via SCADA was 1087 psi and the MOP of the line is 1120 psi. The pressure profile would not have suggested that a gasket should have failed as the MOP of the line was not compromised but further investigation after the incident would reveal that the flange gasket was incorrectly and unevenly torqued at the time of installation causing its failure. Based on the pressure profile of this and the subsequent restart it is estimated that it was at this high pressure point that the gasket on the upstream flange of the Davis Junction block valve failed.

Control Room Procedure requires that any high pressure shutdown be reported to the control room supervisor before any restart is attempted, but that contact did not occur.

Controller again began the start sequence for the system at 7:49 p.m. and the system began coming up to pressure. At 7:55 the pump at the Iberlin booster station came back on line. At 8:04, as the Iberlin Booster came up to speed a high discharge pressure alarm was received by the controller. The controller stopped pump 4 at Sussex to avoid over pressuring the system and was successful in stabilizing the system at a pressure below the high pressure alarm. Per procedure the controller set alarm levels for each of the tank levels and allowed the system to run.

At 2:53 a.m. on November 14<sup>th</sup> the controller recognized that there was still no flow coming into the Hawk Point tank and set a tank level alarm to see if there was product there and the meter had failed or if the product really was not arriving. Upon confirming the no-flow status the controller began shut down procedures and proceeded to call out local field personnel to investigate.

Repairs and clean-up commenced immediately upon discovering the failed flange gasket and spilled diesel fuel. Gasket was replaced and flange bolts on both sides of the valve were checked for correct torque and the system was restarted. Clean-up will continue for some time.

### The follow-up:

On November 17<sup>th</sup> at 9:00 a.m. Control Center, field operations and management met to further investigate the incident and discuss changes that could be made in order to avoid any similar incidents on this or any other Belle Fourche pipeline in the future. A list of some of the items being considered is shown below.

With regard to the incorrectly installed/torqued flange gasket

1) Belle Fourche has already implemented an OQ task related to the installation of flanges.

With regard to the closed valve

- 1) Add signage to the Davis mainline block valve that indicates it as a normally open valve not to be closed under any operational condition.
- 2) Improve training with any field personnel that may operate valves on this system to ensure that all know the mainline valve should remain in the open position. Refresher training with all field personnel reminding them of the risks involved with closing any mainline block valve.
- 3) Installation of SCADA equipment to allow the control center to:
  - a. See the mainline block valve at Davis Junction and/or
  - b. Operate the mainline block valve at Davis Junction
- 4) Change field operating procedures in regard to how flow is diverted to Davis or sent directly into Hawk Point
- 5) Possible reconstruction of the Davis mainline valve as an above ground valve setting.

With regard to the actions/inactions by the controller:

- 1) Include control center operations in all table top drills to keep controllers fresh and avoid complacency
- 2) Consider implementing periodic simulation drills by artificially signaling abnormal operating conditions to the SCADA system and checking for appropriate responses by the controllers.
- 3) Review training materials and update as necessary to address deficiencies.
- 4) Hold table top review of this incident with all controllers and communicate lessons learned.
- 5) Program PLCs to alarm when the system is started if no flow is detected at downstream stations after a defined period of time.

NATIONAL RESPONSE CENTER 1-800-424-8802 \*\*\* For Public Use \*\*\* Information released to a third party shall comply with any applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 995428

INCIDENT DESCRIPTION

\*Report taken at 09:41 on 14-NOV-11 Incident Type: PIPELINE Incident Cause: EQUIPMENT FAILURE Affected Area: The incident was discovered on 14-NOV-11 at 03:00 local time. Affected Medium: LAND ONTO THE GROUND

#### SUSPECTED RESPONSIBLE PARTY

Organization: BELLE FOURCHE PIPELINE CASPER, WY 82602

Type of Organization: PRIVATE ENTERPRISE

INCIDENT LOCATION DAVIS BLOCK VALVE County: CAMPBELL City: WRIGHT State: WY Latitude: 44° 02' 03" N

Longitude: 105° 34' 17" W IN THE FIELD

### RELEASED MATERIAL(S)

CHRIS Code: ODS Official Material Name: OIL: DIESEL Also Known As: Qty Released: 19 BARREL(S)

#### DESCRIPTION OF INCIDENT

CALLER STATED THERE WAS A SPILL DISCOVERED COMING FROM A STEEL PIPELINE DUE TO EQUIPMENT FAILURE. CALLER STATED THE PIPELINE IS POSSIBLY A FOUR INCH PIPELINE.

### INCIDENT DETAILS

Pipeline Type: TRANSMISSION DOT Regulated: YES Pipeline Above/Below Ground: BELOW Exposed or Under Water: NO Pipeline Covered: UNKNOWN

	1 10	DAMAG	JES NOLA	
Fire involv	ea: NO	Fire Extinguished: UNK	NOWN	
INJURIES:	NO	Hospitalized:	Empl/Crew:	Passenger:
FATALITIES:	NO	Empl/Crew:	Passenger:	Occupant:
EVACUATIONS	: NO	Who Evacuated:	Radius/Area:	
Damages:	NO			
			Length of	Direction of
Closure Typ	<u>e De</u> s	scription of Closure	Closure	<u>Closure</u>
Air:	N			
Road:	N			Major Artery: <sub>N</sub>
Waterway:	N			
Track:	N			
Passengers : Environmenta Media Intere	Transfer al Impac est: NON	rred: NO t: UNKNOWN NE Community Impact due	to Material:	

REMEDIAL ACTIONS CALLER STATED THE PIPELINE HAS BEEN SHUT IN AND THEY JUST GOT PEOPLE ON THE GROUND TO ASSESS THE DAMAGE. Release Secured: YES Release Rate: Estimated Release Duration:

WEATHER

Weather: SUNNY, 25°F

ADDITIONAL AGENCIES NOTIFIED

 Federal:
 NONE

 State/Local:
 NONE

 State/Local On Scene:
 NONE

 State Agency Number:
 NONE

#### NOTIFICATIONS BY NRC

USCG ICC (ICC ONI) 14-NOV-11 09:50 CGIS RAO ST. LOUIS (COMMAND CENTER) 14-NOV-11 09:50 COLORADO INFO ANALYSIS CENTER (FUSION CENTER) 14-NOV-11 09:50 DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE) 14-NOV-11 09:50 U.S. EPA VIII (MAIN OFFICE) 14-NOV-11 09:57 NE INFORMATION ANALYSIS CENTER (MAIN OFFICE) 14-NOV-11 09:50 NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE) 14-NOV-11 09:50 NOAA RPTS FOR WY (MAIN OFFICE) 14-NOV-11 09:50 NTSB PIPELINE (MAIN OFFICE) 14-NOV-11 11:26 PIPELINE & HAZMAT SAFETY ADMIN (OFFICE OF PIPELINE SAFETY (AUTO)) 14-NOV-11 09:50 DOI/OEPC DENVER (MAIN OFFICE) 14-NOV-11 09:50 WY DEPARTMENT OF ENVIRON QUALITY (MAIN OFFICE) 14-NOV-11 09:50 USCG DISTRICT 8 (MAIN OFFICE) 14-NOV-11 09:50 WYOMING CRIMINAL INTEL CENTER (SR INTELLIGENCE OFFICER) 14-NOV-11 09:50 WYOMING OFFICE OF HOMELAND SECURITY (OPERATIONS DIVISION) 14-NOV-11 09:50

ADDITIONAL INFORMATION CALLER STATED THE WEST REGION PHMSA WILL BE CALLED NEXT.

#### \*\*\* END INCIDENT REPORT # 995428 \*\*\*

The National Response Center is strictly an initial report taking agency and does not participate in the investigation or incident response. The NRC receives initial reporting information only and notifies Federal and State On-Scene Coordinators for response. The NRC does not verify nor does it take follow-on incident information. Verification of data and incident response is the sole responsibility of Federal/State On-Scene Coordinators. Data contained within the FOIA Web Database is initial information only. All reports provided via this server are for informational purposes only. Data to be used in legal proceedings must be obtained via written correspondence from the NRC. NATIONAL RESPONSE CENTER 1-800-424-8802 \*\*\* For Public Use \*\*\* Information released to a third party shall comply with any applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 995432

INCIDENT DESCRIPTION

\*Report taken at 10:19 on 14-NOV-11 Incident Type: PIPELINE Incident Cause: EQUIPMENT FAILURE Affected Area: The incident was discovered on 14-NOV-11 at 03:00 local time. Affected Medium: LAND ONTO THE GROUND (SOIL)

#### SUSPECTED RESPONSIBLE PARTY

Organization: BELLE FOURCHE PIPELINE CASPER, WY 82602

Type of Organization: PRIVATE ENTERPRISE

INCIDENT LOCATION

LAT: 44N 02' 03" County: CAMPBELL LONG: 105W 34' 17" City: WRIGHT State: WY Latitude: 44° 02' 03" N

Longitude: 105° 34' 17" W IN THE FIELD, DAVIS BLOCK VALVE

### RELEASED MATERIAL(S)

CHRIS Code: ODS Official Material Name: OIL: DIESEL Also Known As: Qty Released: 1900 BARREL(S)

#### DESCRIPTION OF INCIDENT

CALLER STATED THERE WAS A SPILL DISCOVERED COMING FROM A STEEL PIPELINE DUE TO AN EQUIPMENT FAILURE (POSSIBLY A GASKET FAILURE AT THE BLOCK VALVE). CALLER STATED THE PIPELINE IS POSSIBLY A FOUR INCH PIPELINE. CALLER ALSO STATES THEY CAME UP WITH THE CALCULATION OF THE AMOUNT OF MATERIAL INVOLVED IN THE RELEASE BASED ON THE VOLUMES IN AND THE VOLUMES OUT (RECEIPT DELIVERIES). ///////THIS IS A CHANGE TO PREVIOUS NRC REPORT NUMBER 995428. THE AMOUNT OF MATERIAL INVOLVED IN THE SPILL IS 1,900 BARRELS.////////

#### INCIDENT DETAILS

Pipeline Type: TRANSMISSION DOT Regulated: YES Pipeline Above/Below Ground: BELOW Exposed or Under Water: NO Pipeline Covered: UNKNOWN

		DAMAG	ES	
Fire Involved	: NO	Fire Extinguished: UNK	NOWN	
INJURIES:	NO	Hospitalized:	Empl/Crew:	Passenger:
FATALITIES:	NO	Empl/Crew:	Passenger:	Occupant:
EVACUATIONS:	NO	Who Evacuated:	Radius/Area:	
Damages:	NO			
			Length of	Direction of
<u>Closure Type</u>	De	<u>scription of Closure</u>	<u>Closure</u>	<u>Closure</u>
Air: N	I			
Road: N	I			Major Arter
Waterway: N	ſ			

http://www.nrc.uscg.mil/reports/rwservlet?standard\_web+inc\_seq=995432

Track: N

Passengers Transferred: NO Environmental Impact: UNKNOWN Media Interest: NONE Community Impact due to Material:

REMEDIAL ACTIONS CALLER STATES THE PIPELINE HAS BEEN SHUT IN AND THEY JUST GOT PEOPLE ON THE GROUND TO ASSESS THE DAMAGE. Release Secured: YES Release Rate: Estimated Release Duration:

WEATHER

Weather: SUNNY, 25°F

ADDITIONAL AGENCIES NOTIFIED

Federal:NRCState/Local:PHMSAState/Local On Scene:UNKNOWNState Agency Number:995428

NOTIFICATIONS BY NRC USCG ICC (ICC ONI) 10:37 14-NOV-11 CGIS RAO ST. LOUIS (COMMAND CENTER) 14-NOV-11 10:37 COLORADO INFO ANALYSIS CENTER (FUSION CENTER) 14-NOV-11 10:37 DHS PROTECTIVE SECURITY ADVISOR (PSA DESK) 14-NOV-11 10:37 DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE) 14-NOV-11 10:37 U.S. EPA VIII (MAIN OFFICE) 14-NOV-11 10:45 NE INFORMATION ANALYSIS CENTER (MAIN OFFICE) 14-NOV-11 10:37 NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE) 10:37 14-NOV-11 NOAA RPTS FOR WY (MAIN OFFICE) 14-NOV-11 10:37 NTSB PIPELINE (MAIN OFFICE) 14-NOV-11 10:37 PIPELINE & HAZMAT SAFETY ADMIN (OFFICE OF PIPELINE SAFETY (AUTO)) 14-NOV-11 10:37 PACIFIC STRIKE TEAM (MAIN OFFICE) 14-NOV-11 10:37 SECTOR UPPER MISSISSIPPI RIVER (COMMAND CENTER) 14-NOV-11 10:40 DOI/OEPC DENVER (MAIN OFFICE) 14-NOV-11 10:37 WY DEPARTMENT OF ENVIRON QUALITY (MAIN OFFICE) 14-NOV-11 10:37 USCG DISTRICT 8 (MAIN OFFICE) 10:37 14-NOV-11 WYOMING CRIMINAL INTEL CENTER (SR INTELLIGENCE OFFICER) 10:37 14-NOV-11 WYOMING OFFICE OF HOMELAND SECURITY (OPERATIONS DIVISION) 14-NOV-11 10:37 ADDITIONAL INFORMATION

CALLER HAD NO ADDITIONAL COMMENTS. //////THIS IS A CHANGE TO PREVIOUS NRC REPORT NUMBER 995428. THE AMOUNT OF MATERIAL INVOLVED IN THE SPILL IS 1,900 BARRELS.////////

\*\*\* END INCIDENT REPORT # 995432 \*\*\* The National Response Center is strictly an initial report taking agency and does not participate in the investigation or incident response. The NRC receives initial reporting information only and notifies Federal and State On-Scene Coordinators for response. The NRC does not verify nor does it take follow-on incident information. Verification of data and incident response is the sole responsibility of Federal/State On-Scene Coordinators. Data contained within the FOIA Web Database is initial information only. All reports provided via this server are for informational purposes only. Data to be used in legal proceedings must be obtained via written correspondence from the NRC.

NOTICE: This report is required by 49 CFR Part 195. Failure to report can result in a exceed \$100,000 for each violation for each day that such violation persists except th penalty shall not exceed \$1,000,000 as provided in 49 USC 60122.	a civil penalty not to nat the maximum civil	OMB NO: 2137-0047 EXPIRATION DATE: 01/3	1/2014
<b>A</b>	Original Report Date:	12/13/201	1
U.S Department of Transportation	No.	20110449 - 1	7139
Pipeline and Hazardous Materials Safety Administration		(DOT Use On	ly)
ACCIDENT REPORT - HAZ PIPELINE SYS	ARDOUS LIQUII TEMS	D	
A federal agency may not conduct or sponsor, and a person is not required to respon with a collection of information subject to the requirements of the Paperwork Reducti OMB Control Number. The OMB Control Number for this information collection is 21 to be approximately 10 hours per response (5 hours for a small release), including th completing and reviewing the collection of information. All responses to this collectio burden estimate or any other aspect of this collec ion of information, including sugge Officer, PHMSA, Office of Pipeline Safety (PHP-30) 1200 New Jersey Avenue, SE, V	nd to, nor shall a person on Act unless that collec 37-0047. Public reportin e time for reviewing inst n of information are man stions for reducing this b Vashington, D.C. 20590.	be subject to a penalty for failu- tion of information displays a c og for this collection of informa ructions, gathering the data ne ndatory. Send comments rega vurden to: Information Collec io	ure to comply current valid tion is estimated eded, and rding this n Clearance
INSTRUCTIONS			
Important: Please read the separate instructions for completing this form before yo examples. If you do not have a copy of the instructions, you can obtain one from the http://www.phmsa.dot.gov/pipeline.	u begin. They clarify the PHMSA Pipeline Safety	information requested and provident of the provident of t	ovide specific
Report Type: (select all that apply)	Original:	Supplemental:	Final:
Last Revision Date:	12/27/2012	res	tes
Operator's OPS-issued Operator Identification Number (OPID):	12/21/2012		
2. Name of Operator	BELLE FOURCHE	PIPELINE CO	
3. Address of Operator:			
3a. Street Address	455 N POPLAR ST		
3b. City	CASPER		
3c. State	Wyoming		
3d. Zip Code	82602		
4. Local time (24-hr clock) and date of the Accident:	11/14/2011 02:57		
5. Location of Accident:	44.004040		
	44.021949		
Longitude:	-105.538019		
<ol> <li>National Response Center Report Number (if applicable):</li> <li>Local time (24 hr clock) and date of initial telephonic report to the</li> </ol>	995432		
National Response Center (if applicable):	11/14/2011 07:41	roloum Droduct (non HV/L)	which is a
volume released)	Liquid at Ambient C	Conditions	which is a
- Specify Commodity Subtype:	Diesel, Fuel Oil, Ke	erosene, Jet Fuel	
- If "Other" Subtype, Descr be:			
<ul> <li>If Biofuel/Alternative Fuel and Commodity Subtype is Ethanol Blend, then % Ethanol Blend:</li> <li>%:</li> </ul>			
<ul> <li>If Biofuel/Alternative Fuel and Commodity Subtype is Biodiesel, then Biodiesel Blend (e.g. B2, B20, B100):</li> </ul>			
9. Estimated volume of commodity released unintentionally (Barrels):	1,958.00		
10. Estimated volume of intentional and/or controlled release/blowdown (Barrels):			
11. Estimated volume of commodity recovered (Barrels):	53.00		
12. Were there fatalities?	No		
- If Yes, specify the number in each category:	1		
12a. Operator employees			
12b. Contractor employees working for the Operator			
12c. Non-Operator emergency responders 12d. Workers working on the right-of-way, but NOT			
12e. General public			
12f. Total fatalities (sum of above)			
13. Were there injuries requiring inpatient hospitalization?	No		
- If Yes, specify the number in each category:			
13a. Operator employees			
13b. Contractor employees working for the Operator			

13c. Non-Operator emergency responders

13d. Workers working on the right-of-way, but NOT	
associated with this Operator	
13f Total injuries (sum of above)	
14. Was the pipeline/facility shut down due to the Accident?	Yes
- If No, Explain:	
- If Yes, complete Questions 14a and 14b: (use local time, 24-hr clock)	
14a. Local time and date of shutdown:	11/14/2011 02:57
14b. Local time pipeline/facility restarted:	11/14/2011 11:36
- Still shut down? (* Supplemental Report Required)	
15. Did the commodity ignite?	NO
17. Number of general public evacuated:	
18. Time sequence (use local time, 24-hour clock):	
18a. Local time Operator identified Accident:	
18b. Local time Operator resources arrived on site:	
PART B - ADDITIONAL LOCATION INFORMATION	
1. Was the origin of Accident onshore?	Yes
If Yes, Complete Ques	tions (2-12)
If No, Complete Questi	ons (13-15)
- If Onshore:	
2. State:	
	02132
5. County or Parish	Campbell
6. Operator-designated location	
Specify:	
7. Pipeline/Facility name:	
8. Segment name/ID:	
9. Was Accident on Federal land, other than the Outer Continental Shelf (OCS)?	No
10. Location of Accident:	Pipeline Right-of-way
11. Area of Accident (as found):	Underground
Specity:	In underground enclosed space (e.g. vault)
- If Other, Describe:	
- If Other, Descr be: Depth-of-Cover (in):	60
If Other, Descr be:     Depth-of-Cover (in):     12. Did Accident occur in a crossing?	60 No
If Other, Descr be:     Depth-of-Cover (in):     12. Did Accident occur in a crossing?     If Yes, specify below:	60 No
If Other, Descr be:     Depth-of-Cover (in):     12. Did Accident occur in a crossing?     If Yes, specify below:         If Bridge crossing –	60 No
- If Other, Descr be: Depth-of-Cover (in):     12. Did Accident occur in a crossing?     - If Yes, specify below:         - If Bridge crossing –         Cased/ Uncased:	60 No
- If Other, Descr be: Depth-of-Cover (in):     12. Did Accident occur in a crossing?     - If Yes, specify below:         - If Pridge crossing –         Cased/ Uncased:         - If Railroad crossing –	60 No
- If Other, Descr be: Depth-of-Cover (in):     12. Did Accident occur in a crossing?     - If Yes, specify below:         - If Bridge crossing –         Cased/ Uncased:         - If Railroad crossing –         Cased/ Uncased/ Bored/drilled	60 No
- If Other, Descr be: Depth-of-Cover (in):     12. Did Accident occur in a crossing?     - If Yes, specify below:         - If Bridge crossing –         Cased/ Uncased:         - If Railroad crossing –         Cased/ Uncased/ Bored/drilled         - If Road crossing –	60 No
- If Other, Descr be: Depth-of-Cover (in):     12. Did Accident occur in a crossing?     - If Yes, specify below:         - If Bridge crossing –         Cased/ Uncased:         - If Railroad crossing –         Cased/ Uncased/ Bored/drilled         - If Road crossing –         Cased/ Uncased/ Bored/drilled         - If Road crossing –         Cased/ Uncased/ Bored/drilled	60 No
- If Other, Descr be: Depth-of-Cover (in):     12. Did Accident occur in a crossing?     - If Yes, specify below:         - If Bridge crossing –         Cased/ Uncased:         - If Railroad crossing –         Cased/ Uncased/ Bored/drilled         - If Road crossing –         Cased/ Uncased/ Bored/drilled         - If Water crossing –	60 No
- If Other, Descr be: Depth-of-Cover (in):     12. Did Accident occur in a crossing?     - If Yes, specify below:         - If Bridge crossing –         Cased/ Uncased:         - If Railroad crossing –         Cased/ Uncased/ Bored/drilled         - If Road crossing –         Cased/ Uncased/ Bored/drilled         - If Road crossing –         Cased/ Uncased/ Bored/drilled         - If Water crossing –         Cased/ Uncased	60 No
- If Other, Descr be: Depth-of-Cover (in):     12. Did Accident occur in a crossing?     - If Yes, specify below:         - If Bridge crossing –         Cased/ Uncased:         - If Railroad crossing –         Cased/ Uncased/ Bored/drilled         - If Road crossing –         Cased/ Uncased/ Bored/drilled         - If Road crossing –         Cased/ Uncased/ Bored/drilled         - If Water crossing –         Cased/ Uncased         - Name of body of water, if commonly known:	60 No
- If Other, Descr be: Depth-of-Cover (in):     12. Did Accident occur in a crossing?     - If Yes, specify below:         - If Bridge crossing –         Cased/ Uncased:         - If Railroad crossing –         Cased/ Uncased/ Bored/drilled         - If Road crossing –         Cased/ Uncased/ Bored/drilled         - If Road crossing –         Cased/ Uncased/ Bored/drilled         - If Water crossing –         Cased/ Uncased         - If Water crossing –         Cased/ Uncased         - Name of body of water, if commonly known:         - Approx. water depth (ft) at the point of the Accident:	60 No
- If Other, Descr be: Depth-of-Cover (in):     12. Did Accident occur in a crossing?     - If Yes, specify below:         - If Bridge crossing –         Cased/ Uncased:         - If Railroad crossing –         Cased/ Uncased/ Bored/drilled         - If Road crossing –         Cased/ Uncased/ Bored/drilled         - If Road crossing –         Cased/ Uncased/ Bored/drilled         - If Water crossing –         Cased/ Uncased         - If Water crossing –         Cased/ Uncased         - Name of body of water, if commonly known:         - Approx. water depth (ft) at the point of the Accident:         - Select:	
- If Other, Descr be: Depth-of-Cover (in):     12. Did Accident occur in a crossing?     - If Yes, specify below:         - If Bridge crossing –         Cased/ Uncased:         - If Railroad crossing –         Cased/ Uncased/ Bored/drilled         - If Road crossing –         Cased/ Uncased/ Bored/drilled         - If Road crossing –         Cased/ Uncased/ Bored/drilled         - If Water crossing –         Cased/ Uncased         - Name of body of water, if commonly known:             - Approx. water depth (ft) at the point of the Accident:             - Select:             - If Offshore:             - 13. Approximate water depth (ft) at the point of the Accident:	60 No
- If Other, Descr be: Depth-of-Cover (in):     12. Did Accident occur in a crossing?     - If Yes, specify below:         - If Bridge crossing –         Cased/ Uncased:         - If Railroad crossing –         Cased/ Uncased/ Bored/drilled         - If Road crossing –         Cased/ Uncased/ Bored/drilled         - If Water crossing –         Cased/ Uncased         - If Water crossing –         - Cased/ Uncased         - If Water crossing –         - Select:         - If Offshore:         - I3. Approximate water depth (ft) at the point of the Accident:	60 No
- If Other, Descr be: Depth-of-Cover (in):     12. Did Accident occur in a crossing?     - If Yes, specify below:         - If Bridge crossing –         Cased/ Uncased:         - If Railroad crossing –         Cased/ Uncased/ Bored/drilled         - If Road crossing –         Cased/ Uncased/ Bored/drilled         - If Road crossing –         Cased/ Uncased/ Bored/drilled         - If Water crossing –         Cased/ Uncased/ Bored/drilled         - If Water crossing –         Cased/ Uncased         - Name of body of water, if commonly known:             - Approx. water depth (ft) at the point of the Accident:             - Select:         - If Offshore:         13. Approximate water depth (ft) at the point of the Accident:             - In State waters - Specify:	60 No
- If Other, Descr be: Depth-of-Cover (in): 12. Did Accident occur in a crossing? - If Yes, specify below: - If Bridge crossing – Cased/ Uncased: - If Railroad crossing – Cased/ Uncased/ Bored/drilled - If Road crossing – Cased/ Uncased/ Bored/drilled - If Water crossing – Cased/ Uncased/ Bored/drilled - If Water crossing – Cased/ Uncased - Name of body of water, if commonly known: - Approx. water depth (ft) at the point of the Accident: - Select: - If Offshore: 13. Approximate water depth (ft) at the point of the Accident: 14. Origin of Accident: - In State waters - Specify: - State:	60 No
- If Other, Descr be: Depth-of-Cover (in): 12. Did Accident occur in a crossing? - If Yes, specify below: - If Bridge crossing – Cased/ Uncased: - If Railroad crossing – Cased/ Uncased/ Bored/drilled - If Road crossing – Cased/ Uncased/ Bored/drilled - If Water crossing – Cased/ Uncased - If Water crossing – Cased/ Uncased - Name of body of water, if commonly known: - Approx. water depth (ft) at the point of the Accident: - Select: - If Offshore: 13. Approximate water depth (ft) at the point of the Accident: 14. Origin of Accident: - In State waters - Specify: - State: - Area:	
- If Other, Descr be: Depth-of-Cover (in): 12. Did Accident occur in a crossing? - If Yes, specify below: - If Bridge crossing – Cased/ Uncased: - If Railroad crossing – Cased/ Uncased/ Bored/drilled - If Road crossing – Cased/ Uncased/ Bored/drilled - If Water crossing – Cased/ Uncased - Name of body of water, if commonly known: - Approx. water depth (ft) at the point of the Accident: - Select: - If Offshore: 13. Approximate water depth (ft) at the point of the Accident: 14. Origin of Accident: - In State waters - Specify: - State: - Area: - Block/Tract #:	
- If Other, Descr be: Depth-of-Cover (in): 12. Did Accident occur in a crossing? - If Yes, specify below: - If Bridge crossing – Cased/ Uncased: - If Railroad crossing – Cased/ Uncased/ Bored/drilled - If Road crossing – Cased/ Uncased/ Bored/drilled - If Water crossing – Cased/ Uncased - If Water crossing – Cased/ Uncased - Name of body of water, if commonly known: - Approx. water depth (ft) at the point of the Accident: - Select: - If Offshore: 13. Approximate water depth (ft) at the point of the Accident: 14. Origin of Accident: - In State waters - Specify: - State: - Area: - Block/Tract #: - Nearest County/Parish: - Nearest County/Parish:	
- If Other, Descr be: Depth-of-Cover (in):     12. Did Accident occur in a crossing?     - If Yes, specify below:         - If Bridge crossing –         Cased/ Uncased:         - If Railroad crossing –         Cased/ Uncased/ Bored/drilled         - If Road crossing –         Cased/ Uncased/ Bored/drilled         - If Road crossing –         Cased/ Uncased/ Bored/drilled         - If Water crossing –         Cased/ Uncased         - If Water crossing –         Cased/ Uncased         - If Water crossing –         Cased/ Uncased         - Name of body of water, if commonly known:             - Approx. water depth (ft) at the point of the Accident:             - Select:         - If Offshore:         - In State waters - Specify:             - State:             - Area:             - Block/Tract #:             - Nearest County/Parish:             - On the Outer Continental Shelf (OCS) - Specify:             -             Area:             - On the Outer Continental Shelf (OCS) - Specify:             -             Area:             - On the Outer Continental Shelf (OCS) - Specify:             -             -	
- If Other, Descr be: Depth-of-Cover (in): 12. Did Accident occur in a crossing? - If Yes, specify below: - If Bridge crossing – Cased/ Uncased: - If Railroad crossing – Cased/ Uncased/ Bored/drilled - If Road crossing – Cased/ Uncased/ Bored/drilled - If Water crossing – Cased/ Uncased/ Bored/drilled - If Water crossing – Cased/ Uncased - Name of body of water, if commonly known: - Approx. water depth (ft) at the point of the Accident: - Select: - If Offshore: 13. Approximate water depth (ft) at the point of the Accident: 14. Origin of Accident: - In State waters - Specify: - State: - Area: - Block/Tract #: - Nearest County/Parish: - On the Outer Continental Shelf (OCS) - Specify: - Area: - Block #:	
- If Other, Descr be: Depth-of-Cover (in):     12. Did Accident occur in a crossing?     - If Yes, specify below:         - If Bridge crossing –         Cased/ Uncased:         - If Railroad crossing –         Cased/ Uncased/ Bored/drilled         - If Road crossing –         Cased/ Uncased/ Bored/drilled         - If Road crossing –         Cased/ Uncased/ Bored/drilled         - If Water crossing –         Cased/ Uncased/ Bored/drilled         - If Water crossing –         Cased/ Uncased         - Name of body of water, if commonly known:             - Approx. water depth (ft) at the point of the Accident:             - Select:             - If Offshore:             - In State waters - Specify:             - State:             - Area:             - Block/Tract #:             - Nearest County/Parish:             - On the Outer Continental Shelf (OCS) - Specify:             - Area:             - Block #:             - Seloct:             - Area:             - Block #:             - State:             - Area:             - Block #:             - State:             - State:	
If Other, Descr be: Depth-of-Cover (in):     12. Did Accident occur in a crossing?     If Yes, specify below:         If Bridge crossing –         Cased/ Uncased:         If Railroad crossing –         Cased/ Uncased/ Bored/drilled         If Road crossing –         Cased/ Uncased/ Bored/drilled         If Road crossing –         Cased/ Uncased/ Bored/drilled         If Water crossing –         Cased/ Uncased         If Offshore:         If Offshore:         I3. Approximate water depth (ft) at the point of the Accident:         I4. Origin of Accident:         I. In State waters - Specify:             State:             Stat	
If Other, Descr be: Depth-of-Cover (in):     12. Did Accident occur in a crossing?     If Yes, specify below:         If Bridge crossing –         Cased/ Uncased:         If Railroad crossing –         Cased/ Uncased/ Bored/drilled         If Road crossing –         Cased/ Uncased/ Bored/drilled         If Road crossing –         Cased/ Uncased/ Bored/drilled         If Water crossing –         Cased/ Uncased         If Water crossing –         Select:         If Offshore:         If Offshore:         If Offshore:         If Offshore:         If Offshore:         If Offshore:         Is block/Tract #:         - Nearest County/Parish:         - On the Outer Continental Shelf (OCS) - Specify:         - Area:         - Block #:         If Accident:         PART C	
If Other, Descr be: Depth-of-Cover (in):     12. Did Accident occur in a crossing?     If Yes, specify below:         If Bridge crossing –         Cased/ Uncased:         If Railroad crossing –         Cased/ Uncased/ Bored/drilled         If Road crossing –         Cased/ Uncased/ Bored/drilled         If Road crossing –         Cased/ Uncased/ Bored/drilled         If Water crossing –         Cased/ Uncased/         If Water crossing –         Cased/ Uncased/         If Water crossing –         Cased/ Uncased         If Offshore:         I Approx. water depth (ft) at the point of the Accident:             - Select:             - If Offshore:             I3. Approximate water depth (ft) at the point of the Accident:             - In State waters - Specify:             - State:             - State:             - Area:             - Block/Tract #:             - Nearest County/Parish:             - On the Outer Continental Shelf (OCS) - Specify:             - Area:             - Block #:         15. Area of Accident:         PART C - ADDITIONAL FACILITY INFORMATION         1. Is the pipeline or facility:         2. Part of system involved in Accident:	60 No 60 No 100 100 100 100 100 100 100 10
- If Other, Descr be: Depth-of-Cover (in):     12. Did Accident occur in a crossing?     - If Pridge crossing - Cased/ Uncased: - If Railroad crossing - Cased/ Uncased/ Bored/drilled         - If Road crossing - Cased/ Uncased/ Bored/drilled         - If Nater crossing - Cased/ Uncased/ Bored/drilled         - If Water crossing - Cased/ Uncased/ Bored/drilled         - If Water crossing - Cased/ Uncased - Name of body of water, if commonly known: - Approx. water depth (ft) at the point of the Accident: - Select: - If Offshore: 13. Approximate water depth (ft) at the point of the Accident: 14. Origin of Accident: - In State waters - Specify: - State: - Area: - Block/Tract #: - Nearest County/Parish: - On the Outer Continental Shelf (OCS) - Specify: - Area: - Block #: 15. Area of Accident: - Block #: 15. Area of Accident: - If State waters - Specify: - Area: - Block #: 15. Area of Accident: - Block #: 15. Area of Accident: - Block #: 15. Area of Accident: - If Onshore Breakout Tank or Storage Vessel, Including Attached Appurtenances, specify: - If Onshore Breakout Tank or Storage Vessel, Including Attached Appurtenances, specify:	60 No 60 No 10 10 10 10 10 10 10 10 10 10

- If Pine, specify:	
20. Nominal diameter of ning (in):	
3b. Wall thickness (in):	
3c. SMYS (Specified Minimum Yield Strength) of pipe (psi):	
3d. Pipe specification:	
3e. Pipe Seam , specify:	
- If Other, Descr be:	
3f. Pipe manufacturer:	
3a Vear of manufacture:	
2b. Displing exerting type at point of Assident energify	
Sh. Fipeline coaling type at point of Accident, specify.	
- If Other, Describe:	
<ul> <li>If Weld, including heat-affected zone, specify:</li> </ul>	
- If Other, Descr be:	
- If Valve, specify:	
- If Mainline, specify:	
- If Other, Descr be:	
3 Manufactured by:	
2i Voar of manufacturo:	
- If Tank/Vessel, specify:	
- If Other - Describe:	
- If Other, descr be:	
4. Year item involved in Accident was installed:	
5. Material involved in Accident:	Material other than Carbon Steel
- If Material other than Carbon Steel, specify:	Paper Flange Gasket
6. Type of Accident Involved	leak
If Machanical Durature Creatify Annual size	Louix
- ii iviechanicai Puncture – Specity Approx. Size:	
in. (axial) by	
in. (circumferential)	
- If Leak - Select Type:	Connection Failure
- If Other, Descr be:	
- If Rupture - Select Orientation	
- If Other Describe	
Approx size in (widest opening) by	
Approx. size: in. (widest opening) by	
Approx. size: in. (widest opening) by in. (length circumferentially or axially)	
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe:	
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe:	
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION	
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION	
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact:	No
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply:	No
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic	No
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds	No
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial	No
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination:	No
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 2. Soil contamination:	No Yes
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned:	No Yes No
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation:	No Yes No Yes
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply:	No Yes No Yes
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water	No Yes No Yes
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water - Groundwater	No       Yes       No       Yes
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water - Groundwater - Soil	No       Yes       No       Yes
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water - Groundwater - Soil - Vegetation	No       Yes       No       Yes       Yes
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water - Groundwater - Soil - Vegetation Wildlife	No       Yes       No       Yes       Yes
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water - Groundwater - Soil - Vegetation - Wildlife	No       Yes       No       Yes       Yes
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water - Groundwater - Soil - Vegetation - Wildlife 5. Water contamination:	No       Yes       No       Yes       Yes       No       Yes       No
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water - Groundwater - Soil - Vegetation - Wildlife 5. Water contamination: 5a. If Yes, specify all that apply:	No       Yes       No       Yes       Yes       No       Yes
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water - Groundwater - Soil - Vegetation - Wildlife 5. Water contamination: 5a. If Yes, specify all that apply: - Ocean/Seawater	No           Yes           No           Yes           No           Yes           No           Yes           No           No           Yes
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water - Groundwater - Soil - Vegetation - Wildlife 5. Water contamination: 5a. If Yes, specify all that apply: - Ocean/Seawater - Surface	No           Yes           No           Yes           No           Yes           No           Yes           No           No           Yes
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water - Groundwater - Soil - Vegetation - Wildlife 5. Water contamination: 5a. If Yes, specify all that apply: - Ocean/Seawater - Surface - Groundwater	No           Yes           No           Yes           Yes           Yes           No           Yes
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water - Groundwater - Soil - Vegetation - Wildlife 5. Water contamination: 5a. If Yes, specify all that apply: - Ocean/Seawater - Groundwater - Surface - Groundwater	No           Yes           No           Yes           Yes           Yes           No           Yes           No           No
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water - Groundwater - Soil - Vegetation - Wildlife 5. Water contamination: 5a. If Yes, specify all that apply: - Ocean/Seawater - Surface - Groundwater - Surface - Groundwater - Surface - Ocean/Seawater - Surface - Groundwater - Surface - Groundwater - Drinking water: (Select one or both)	No           Yes           No           Yes           Yes           No           Yes           No           No           No           No
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water - Groundwater - Soil - Vegetation - Wildlife 5. Water contamination: 5a. If Yes, specify all that apply: - Ocean/Seawater - Surface - Groundwater - Surface - Groundwater - Drinking water: (Select one or both) - Private Well	No           Yes           No           Yes           Yes           No           Yes           No           No           No
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water - Groundwater - Soil - Vegetation - Wildlife 5. Water contamination: 5a. If Yes, specify all that apply: - Ocean/Seawater - Surface - Groundwater - Surface - Groundwater - Drinking water: (Select one or both) - Private Well - Public Water Intake	No           Yes           No           Yes           Yes           No           Yes           No           Yes           No           Yes           No           No
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water - Groundwater - Soil - Vegetation - Wildlife 5. Water contamination: 5a. If Yes, specify all that apply: - Ocean/Seawater - Surface - Groundwater - Surface - Groundwater - Drinking water: (Select one or both) - Private Well - Public Water Intake 5b. Estimated amount released in or reaching water (Barrels):	No           Yes           No           Yes           No           Yes           No           Yes           No           Yes           No
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water - Groundwater - Soil - Vegetation - Wildlife 5. Water contamination: 5a. If Yes, specify all that apply: - Ocean/Seawater - Surface - Groundwater - Drinking water: (Select one or both) - Private Well - Drinking water: (Select one or both) - Private Well - Drinking water, if commonly known:	No           Yes           No           Yes           Yes           Yes           No           Yes           No           Yes
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water - Groundwater - Soil - Vegetation - Wildlife 5. Water contamination: 5a. If Yes, specify all that apply: - Ocean/Seawater - Surface - Groundwater - Surface - Groundwater - Surface - Groundwater - Drinking water: ( <i>Select one or both</i> ) - Private Well - Public Water Intake 5b. Estimated amount released in or reaching water (Barrels): 5c. Name of body of water, if commonly known: 6. At the location of this Accident, had the pipeline segment or facility	No           Yes           No           Yes           Yes           Yes           No           Yes
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water - Groundwater - Soil - Vegetation - Wildlife 5. Water contamination: 5a. If Yes, specify all that apply: - Ocean/Seawater - Surface - Groundwater - Surface - Groundwater - Surface - Drinking water: (Select one or both) - Private Well - Public Water Intake 5b. Estimated amount released in or reaching water (Barrels): 5c. Name of body of water, if commonly known: 6. At the location of this Accident, had the pipeline segment or facility been identified as one that "could affect" a High Consequence Area	No           Yes           No           Yes           No           Yes           No
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water - Groundwater - Soil - Vegetation - Wildlife 5. Water contamination: 5a. If Yes, specify all that apply: - Ocean/Seawater - Surface - Groundwater - Surface - Surface - Drinking water: (Select one or both) - Private Well - Public Water Intake 5b. Estimated amount released in or reaching water (Barrels): 5c. Name of body of water, if commonly known: 6. At the location of this Accident, had the pipeline segment or facility been identified as one that "could affect" a High Consequence Area (HCA) as determined in the Operator's Integrity Management Program?	No           Yes           No           Yes           No           Yes           No           Yes           No
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water - Groundwater - Soil - Vegetation - Wildlife 5. Water contamination: 5a. If Yes, specify all that apply: - Ocean/Seawater - Surface - Groundwater - Surface - Groundwater - Drinking water: (Select one or both) - Private Well - Drinking water: (Select one or both) - Private Well - Drinking water: (Select one or both) - Private Well - Drinking water: (Barrels): 5c. Name of body of water, if commonly known: 6. At the location of this Accident, had the pipeline segment or facility been identified as one that "could affect" a High Consequence Area (HCA) as determined in the Operator's Integrity Management Program? - Z. Did the released commodity reach or course in one are more High	No           Yes           No           Yes           Yes           Yes           No           Yes           No
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water - Groundwater - Soil - Vegetation - Wildlife 5. Water contamination: 5a. If Yes, specify all that apply: - Ocean/Seawater - Surface - Groundwater - Surface - Groundwater - Drinking water: (Select one or both) - Private Well - Public Water Intake 5b. Estimated amount released in or reaching water (Barrels): 5c. Name of body of water, if commonly known: 6. At the location of this Accident, had the pipeline segment or facility been identified as one that "could affect" a High Consequence Area (HCA) as determined in the Operator's Integrity Management Program? 7. Did the released commodity reach or occur in one or more High Consequence Area (HCA)?	No           Yes           No           Yes           Yes           Yes           No           Yes           No
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water - Groundwater - Soil - Vegetation - Wildlife 5. Water contamination: 5a. If Yes, specify all that apply: - Ocean/Seawater - Surface - Groundwater - Surface - Groundwater - Drinking water: (Select one or both) - Private Well - Public Water Intake 5b. Estimated amount released in or reaching water (Barrels): 5c. Name of body of water, if commonly known: 6. At the location of this Accident, had the pipeline segment or facility been identified as one that "could affect" a High Consequence Area (HCA) as determined in the Operator's Integrity Management Program? 7. Did the released commodity reach or occur in one or more High Consequence Area (HCA)? Ta. If Yes, sepcify LCA type(s): (Schoot of If that apply) Ta. If Yes, sepcify HCA type(s): (Schoot of If that apply) Ta. If Yes, sepcify HCA type(s): (Schoot of If that apply) Ta. If Yes, sepcify HCA type(s): (Schoot of If that apply) Ta. If Yes, sepcify HCA type(s): (Schoot of If that apply) Ta. If Yes, sepcify HCA type(s): (Schoot of If that apply) Ta. If Yes, sepcify HCA type(s): (Schoot of If that apply) Ta. If Yes, sepcify HCA type(s): (Schoot of If that apply) Ta. If Yes, sepcify HCA type(s): (Schoot of If that apply) Ta. If Yes, sepcify HCA type(s): (Schoot of If that apply) Ta. If Yes, sepcify HCA type(s): (Schoot of If that apply) Ta. If Yes, sepcify HCA type(s): (Schoot of If that apply) Ta. If Yes, sepcify HCA type(s): (Schoot of If that apply) Ta. If Yes, sepcify HCA type(s): (Schoot of If that apply) Ta. If Yes, sepcify HCA type(s): (Schoot of If that apply) Ta. If Yes, sepcify HCA type(s): (Schoot of If that apply) Ta.	No           Yes           No           Yes           Yes           Yes           No           Yes           No           No
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water - Groundwater - Soil - Vegetation - Wildlife 5. Water contamination: 5a. If Yes, specify all that apply: - Ocean/Seawater - Groundwater - Surface - Groundwater - Drinking water: (Select one or both) - Private Well - Public Water Intake 5b. Estimated amount released in or reaching water (Barrels): 5c. Name of body of water, if commonly known: 6. At the location of this Accident, had the pipeline segment or facility been identified as one that "could affect" a High Consequence Area (HCA) as determined in the Operator's Integrity Management Program? 7. Did the released commodity reach or occur in one or more High Consequence Area (HCA)? 7a. If Yes, specify HCA type(s): (Select all that apply) - Commercially. Winterbul Water water - Commercially. Winterbul Water water - Commercially. Weinerbul Water water - Commercially. Wei	No           Yes           No           Yes           Yes           Yes           No           Yes           No
Approx. size: in. (widest opening) by in. (length circumferentially or axially) - If Other – Describe: PART D - ADDITIONAL CONSEQUENCE INFORMATION 1. Wildlife impact: 1a. If Yes, specify all that apply: - Fish/aquatic - Birds - Terrestrial 2. Soil contamination: 3. Long term impact assessment performed or planned: 4. Anticipated remediation: 4a. If Yes, specify all that apply: - Surface water - Groundwater - Soil - Vegetation - Wildlife 5. Water contamination: 5a. If Yes, specify all that apply: - Ocean/Seawater - Surface - Groundwater - Surface - Groundwater - Surface - Groundwater - Surface - Groundwater - Drinking water: (Select one or both) - Private Well - Public Water Intake 5b. Estimated amount released in or reaching water (Barrels): 5c. Name of body of water, if commonly known: 6. At the location of this Accident, had the pipeline segment or facility been identified as one that "could affect" a High Consequence Area (HCA) as determined in the Operator's Integrity Management Program? 7. Did the released commodity reach or occur in one or more High Consequence Area (HCA)? 7a. If Yes, specify HCA type(s): (Select all that apply) - Commercially Navigable Waterway:	No           Yes           No           Yes           Yes           Yes           No           Yes           No

determination for this Accident site in the Operator's	
Integrity Management Program?	
- High Population Area:	
Was this HCA identified in the "could affect"	
Integrity Management Program?	
- Other Populated Area	
Was this HCA identified in the "could affect" determination	
for this Accident site in the Operator's Integrity	
Management Program?	
- Unusually Sensitive Area (USA) - Drinking Water	
Was this HCA identified in the "could affect" determination	
Management Program?	
- Unusually Sensitive Area (USA) - Ecological	
Was this HCA identified in the "could affect" determination	
for this Accident site in the Operator's Integrity	
Management Program?	
8. Estimated Property Damage:	
8a. Estimated cost of public and non-Operator private property	\$ 17.000
damage	¢ 202.204
ou. Estimated cost of Operator's property damage & ropaire	φ 202,301 \$ 15,830
8d Estimated cost of Operator's emergency response	\$ 2,000
8e. Estimated cost of Operator's environmental remediation	\$ 1,555,415
8f. Estimated other costs	\$ 0
Descr be:	
8g. Total estimated property damage (sum of above)	\$ 1,872,546
PARTE - ADDITIONAL OPERATING INFORMATION	
1. Estimated pressure at the point and time of the Accident (psig):	1.087.00
2. Maximum Operating Pressure (MOP) at the point and time of the	4,000,00
Accident (psig):	1,200.00
3. Describe the pressure on the system or facility relating to the	Pressure did not exceed MOP
Accident (psig):	
Accident (psig): 4. Not including pressure reductions required by PHMSA regulations	
<ul> <li>Accident (psig):</li> <li>4. Not including pressure reductions required by PHMSA regulations (such as for repairs and pipe movement), was the system or facility</li> </ul>	
<ul> <li>Accident (psig):</li> <li>4. Not including pressure reductions required by PHMSA regulations (such as for repairs and pipe movement), was the system or facility relating to the Accident operating under an established pressure</li> </ul>	No
<ul> <li>Accident (psig):</li> <li>4. Not including pressure reductions required by PHMSA regulations (such as for repairs and pipe movement), was the system or facility relating to the Accident operating under an established pressure restriction with pressure limits below those normally allowed by the</li> </ul>	No
<ul> <li>Accident (psig):</li> <li>4. Not including pressure reductions required by PHMSA regulations (such as for repairs and pipe movement), was the system or facility relating to the Accident operating under an established pressure restriction with pressure limits below those normally allowed by the MOP?</li> </ul>	No
Accident (psig): 4. Not including pressure reductions required by PHMSA regulations (such as for repairs and pipe movement), was the system or facility relating to the Accident operating under an established pressure restriction with pressure limits below those normally allowed by the MOP? - If Yes, Complete 4.a and 4.b below: 4a Did the pressure exceed this established pressure	No
Accident (psig): 4. Not including pressure reductions required by PHMSA regulations (such as for repairs and pipe movement), was the system or facility relating to the Accident operating under an established pressure restriction with pressure limits below those normally allowed by the MOP?   If Yes, Complete 4.a and 4.b below: 4a. Did the pressure exceed this established pressure restriction?	No
Accident (psig): 4. Not including pressure reductions required by PHMSA regulations (such as for repairs and pipe movement), was the system or facility relating to the Accident operating under an established pressure restriction with pressure limits below those normally allowed by the MOP?  - If Yes, Complete 4.a and 4.b below: 4a. Did the pressure exceed this established pressure restriction? 4b. Was this pressure restriction mandated by PHMSA or the	No
Accident (psig): 4. Not including pressure reductions required by PHMSA regulations (such as for repairs and pipe movement), was the system or facility relating to the Accident operating under an established pressure restriction with pressure limits below those normally allowed by the MOP?  - If Yes, Complete 4.a and 4.b below: 4a. Did the pressure exceed this established pressure restriction? 4b. Was this pressure restriction mandated by PHMSA or the State?	No
Accident (psig): 4. Not including pressure reductions required by PHMSA regulations (such as for repairs and pipe movement), was the system or facility relating to the Accident operating under an established pressure restriction with pressure limits below those normally allowed by the MOP?    If Yes, Complete 4.a and 4.b below:  4a. Did the pressure exceed this established pressure restriction?  4b. Was this pressure restriction mandated by PHMSA or the State?  5. Was "Onshore Pipeline, Including Valve Sites" OR "Offshore	No
Accident (psig): 4. Not including pressure reductions required by PHMSA regulations (such as for repairs and pipe movement), was the system or facility relating to the Accident operating under an established pressure restriction with pressure limits below those normally allowed by the MOP?    - If Yes, Complete 4.a and 4.b below:  4a. Did the pressure exceed this established pressure restriction?  4b. Was this pressure restriction mandated by PHMSA or the State?  5. Was "Onshore Pipeline, Including Valve Sites" OR "Offshore Pipeline, Including Riser and Riser Bend" selected in PART C, Question	No Yes
<ul> <li>Accident (psig):         <ol> <li>Accident (psig):</li> </ol> </li> <li>A. Not including pressure reductions required by PHMSA regulations (such as for repairs and pipe movement), was the system or facility relating to the Accident operating under an established pressure restriction with pressure limits below those normally allowed by the MOP?         <ol> <li>If Yes, Complete 4.a and 4.b below:                 <ul></ul></li></ol></li></ul>	No Yes
<ul> <li>Accident (psig):</li> <li>4. Not including pressure reductions required by PHMSA regulations (such as for repairs and pipe movement), was the system or facility relating to the Accident operating under an established pressure restriction with pressure limits below those normally allowed by the MOP?</li> <li>If Yes, Complete 4.a and 4.b below: <ul> <li>4a. Did the pressure exceed this established pressure restriction?</li> <li>4b. Was this pressure restriction mandated by PHMSA or the State?</li> </ul> </li> <li>5. Was "Onshore Pipeline, Including Valve Sites" OR "Offshore Pipeline, Including Riser and Riser Bend" selected in PART C, Question 2?</li> <li>If Yes - (<i>Complete 5a. – 5e. below</i>)</li> </ul>	No Yes
<ul> <li>Accident (psig):</li> <li>4. Not including pressure reductions required by PHMSA regulations (such as for repairs and pipe movement), was the system or facility relating to the Accident operating under an established pressure restriction with pressure limits below those normally allowed by the MOP?</li> <li>If Yes, Complete 4.a and 4.b below: <ul> <li>4a. Did the pressure exceed this established pressure restriction?</li> <li>4b. Was this pressure restriction mandated by PHMSA or the State?</li> </ul> </li> <li>5. Was "Onshore Pipeline, Including Valve Sites" OR "Offshore Pipeline, Including Riser and Riser Bend" selected in PART C, Question 2? <ul> <li>If Yes - (Complete 5a. – 5e. below)</li> <li>5a. Type of upstream valve used to initially isolate release source:</li> </ul> </li> </ul>	No Yes Automatic
<ul> <li>Accident (psig):</li> <li>4. Not including pressure reductions required by PHMSA regulations (such as for repairs and pipe movement), was the system or facility relating to the Accident operating under an established pressure restriction with pressure limits below those normally allowed by the MOP?</li> <li>If Yes, Complete 4.a and 4.b below: <ul> <li>4a. Did the pressure exceed this established pressure restriction?</li> <li>4b. Was this pressure restriction mandated by PHMSA or the State?</li> </ul> </li> <li>5. Was "Onshore Pipeline, Including Valve Sites" OR "Offshore Pipeline, Including Riser and Riser Bend" selected in PART C, Question 2? <ul> <li>If Yes - (<i>Complete 5a. – 5e. below</i>)</li> <li>5a. Type of upstream valve used to initially isolate release source:</li> <li>5b. Type of downstream valve used to initially isolate release</li> </ul> </li> </ul>	No Yes Automatic
<ul> <li>Accident (psig):</li> <li>4. Not including pressure reductions required by PHMSA regulations (such as for repairs and pipe movement), was the system or facility relating to the Accident operating under an established pressure restriction with pressure limits below those normally allowed by the MOP?</li> <li>If Yes, Complete 4.a and 4.b below: <ul> <li>4a. Did the pressure exceed this established pressure restriction?</li> <li>4b. Was this pressure restriction mandated by PHMSA or the State?</li> </ul> </li> <li>5. Was "Onshore Pipeline, Including Valve Sites" OR "Offshore Pipeline, Including Riser and Riser Bend" selected in PART C, Question 2? <ul> <li>If Yes - (<i>Complete 5a. – 5e. below</i>)</li> <li>5a. Type of upstream valve used to initially isolate release source:</li> <li>5b. Type of downstream valve used to initially isolate release source:</li> </ul> </li> </ul>	No Yes Automatic Manual
<ul> <li>Accident (psig):</li> <li>4. Not including pressure reductions required by PHMSA regulations (such as for repairs and pipe movement), was the system or facility relating to the Accident operating under an established pressure restriction with pressure limits below those normally allowed by the MOP? <ul> <li>If Yes, Complete 4.a and 4.b below:</li> <li>4a. Did the pressure exceed this established pressure restriction?</li> <li>4b. Was this pressure restriction mandated by PHMSA or the State?</li> </ul> </li> <li>5. Was "Onshore Pipeline, Including Valve Sites" OR "Offshore Pipeline, Including Riser and Riser Bend" selected in PART C, Question 2? <ul> <li>If Yes - (<i>Complete 5a. – 5e. below</i>)</li> <li>5a. Type of upstream valve used to initially isolate release source:</li> <li>5b. Type of downstream valve used to initially isolate release source:</li> </ul> </li> </ul>	No Yes Automatic Manual 116,160
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<ul> <li>Low operating pressure(s)</li> </ul>	
<ul> <li>Low flow or absence of flow</li> </ul>	
<ul> <li>Incompatible commodity</li> </ul>	
- Other -	
- If Other, Descr be:	
5f. Function of pipeline system:	> 20% SMYS Regulated Trunkline/Transmission
6. Was a Supervisory Control and Data Acquisition (SCADA)-based	
system in place on the pipeline or facility involved in the Accident?	Yes
If Yes -	
6a. Was it operating at the time of the Accident?	Yes
6b Was it fully functional at the time of the Accident?	Yes
6c. Did SCADA-based information (such as alarm(s)	
alert(s) event(s) and/or volume calculations) assist with	Yes
the detection of the Accident?	
6d. Did SCADA-based information (such as alarm(s).	
alert(s), event(s), and/or volume calculations) assist with	Yes
the confirmation of the Accident?	
7 Was a CPM leak detection system in place on the pipeline or facility	
involved in the Accident?	No
- If Yes.	
7a. Was it operating at the time of the Accident?	
7b. Was it fully functional at the time of the Accident?	
To. Did CPM look detection system information (such as	
alarm(s) alort(s) avant(s) and/or volume calculations) accist	
with the detection of the Accident?	
Zd. Did CDM look detection system information (such as	
alarm(s) alort(s) avent(s) and/or volume calculations) accist	
with the confirmation of the Accident?	
With the committation of the Accident?	Controller
6. How was the Accident initially identified for the Operator ?	Controller
- II Other, Specily.	
oa. II Controller, Local Operating Personner, Including	Operator employee
contractors, All Fattor, of Guard Fattor by Operator of its	Operator employee
Contractor is selected in Question 8, specify the following.	
9. Was an investigation initiated into whether of not the controller(s) of	Vac aposity invastigation result(s): (select all that apply)
	res, specity investigation result(s). (select all that apply)
If No, the Operator did not find that an investigation of the	
- If No, the Operator during that all investigation of the	
(provide an explanation for why the operator did not investigate)	
- If Yes specify investigation result(s): (select all that apply)	
- Investigation reviewed work schedule rotations	
continuous hours of service (while working for the	
Operator) and other factors associated with fatigue	
- Investigation did NOT review work schedule rotations	
continuous hours of service (while working for the	
Operator), and other factors associated with fatigue	
Provide an explanation for why not:	
Investigation identified no control room issues	
Investigation identified no controller issues	
Investigation identified incorrect controller action or	
controller error	Yes
- Investigation identified that fatigue may have affected the	
controller(s) involved or impacted the involved controller(s)	
response	
- Investigation identified incorrect procedures	
Investigation identified incorrect control room equipment	
operation	
- Investigation identified maintenance activities that affected	
control room operations, procedures, and/or controller	
response	
<ul> <li>Investigation identified areas other than those above:</li> </ul>	
Describe:	
PART F - DRUG & ALCOHOL TESTING INFORMATION	

1. As a result of this Accident, were any Operator employees tested	
under the post-accident drug and alcohol testing requirements of DOT's	Yes
Drug & Alcohol Testing regulations?	
- If Yes:	
1a. Specify how many were tested:	1
1b Specify how many failed:	0
D. As a result of this Assident were any Organization contractor and laws	0
2. As a result of this Accident, were any Operator contractor employees	No
DOT's Drug & Alcobel Testing regulations?	NO
If Voc	
- II Tes.	
za. Specify now many were tested.	
2b. Specify how many failed:	
PART G – APPARENT CAUSE	
Select only one box from PART G in shaded column on left represent the questions on the right. Describe secondary, contributing or root	ting the APPARENT Cause of the Accident, and answer causes of the Accident in the narrative (PART H).
Apparent Cause:	G6 - Equipment Failure
G1 - Corrosion Failure - only one sub-cause can be picked from shad	ded left-hand column
External Corrosion:	
Internal Corrosion:	
- If External Corrosion:	
1. Results of visual examination:	
- If Other, Descr be:	
2. Type of corrosion: (select all that apply)	
- Galvanic	
- Atmospheric	
- Stray Current	
- Microbiological	
- Selective Seam	
- Other:	
- If Other, Descr be:	
3. The type(s) of corrosion selected in Question 2 is based on the following	g: (select all that apply)
- Field examination	
<ul> <li>Determined by metallurgical analysis</li> </ul>	
- Other:	
- If Other, Descr be:	
4. Was the failed item buried under the ground?	
- If Yes :	
4a. Was failed item considered to be under cathodic	
protection at the time of the Accident?	
If Yes - Year protection started:	
4b. Was shielding, tenting, or disbonding of coating evident at	
the point of the Accident?	
4c. Has one or more Cathodic Protection Survey been	
conducted at the point of the Accident?	
It "Yes, CP Annual Survey" – Most recent year conducted:	
If "Yes, Close Interval Survey" – Most recent year conducted:	
If "Yes, Other CP Survey" – Most recent year conducted:	
- If No:	
4d. Was the failed item externally coated or painted?	
5. Was there observable damage to the coating or paint in the vicinity of the corrosion?	
- If Internal Corrosion:	
6. Results of visual examination:	
- Other:	
7. Type of corrosion (select all that apply): -	
- Corrosive Commodity	
- Water drop-out/Acid	
- Microbiological	
- Frosion	
- Other	
- If Other Deserber	
8 The cause(s) of corrosion selected in Question 7 is based on the follow	ing (select all that apply): -
- Field examination	
- Determined by metallurgical analysis	

- Other:	
- If Other, Descr be:	
9. Location of corrosion (select all that apply): -	
- Low point in pipe	
- Elbow	
- Other:	
- If Other, Descr be:	
10. Was the commodity treated with corrosion inhibitors or biocides?	
11. Was the interior coated or lined with protective coating?	
12. Were cleaning/dewatering pigs (or other operations) routinely	
13. Were corrosion coupons routinely utilized?	
Complete the following if any Corrosion Failure sub-cause is selected AND	the "Item Involved in Accident" (from PART C,
Question 3) is Tank/vessel.	
14. List the year of the most recent inspections:	
14a. API Std 653 Out-of-Service Inspection	
- No Out-or-Service Inspection completed	
14b. API Std 653 In-Service Inspection	
- No In-Service Inspection completed	
Complete the following if any Corrosion Failure sub-cause is selected AND	the "Item Involved in Accident" (from PART C,
15. Has one or more internal inspection tool collected data at the point of the	
ACCIDENT!	Indicate most recent year run.
I ba. If Yes, for each tool used, select type of internal inspection tool and inspection tool and internal inspection tool and internal inspection tool and internal inspection tool and inspection to oligo and inspection	indicale most recent year run: -
- Magnetic Flux Leakage 1001	
Most recent year:	
- Ultrasonic	
Most recent year.	
- Geometry	
Most recent year.	
- Caliper	
Crock	
- Ciduk Most recent year	
Hord Spot	
- Tialu Spot	
Most recent year:	
Most recent year:     Combination Tool	
Most recent year:     Combination Tool     Most recent year:     Transverse Field/Triaxial	
Most recent year:     Orbination Tool	
Most recent year:     Combination Tool     Most recent year:     Transverse Field/Triaxial     Most recent year:     Other	
Most recent year:     Combination Tool     Most recent year:     Transverse Field/Triaxial     Most recent year:     Other     Most recent year:	
Most recent year:     Combination Tool     Most recent year:     Transverse Field/Triaxial     Most recent year:     Other     Most recent year:     Descr be:	
Most recent year:     Orbination Tool     Most recent year:     Other     Most recent year:     Other     Most recent year:     Other     Most recent year:     Descr be:     Descr be:	
Most recent year:     Other     Most recent year:     Other     Most recent year:     Other     Most recent year:     Descr be:     16. Has one or more hydrotest or other pressure test been conducted since     original construction at the point of the Accident?	
Most recent year:     Organization Tool     Most recent year:     Other     Most recent year:     Other     Most recent year:     Other     Most recent year:     Descr be:     16. Has one or more hydrotest or other pressure test been conducted since     original construction at the point of the Accident?     If Yes -	
Most recent year:     Other     Most recent year:     Other     Most recent year:     Other     Most recent year:     Other     Most recent year:     Descr be:     16. Has one or more hydrotest or other pressure test been conducted since     original construction at the point of the Accident?     If Yes -     Most recent year tested:	
Most recent year:     Orbination Tool     Most recent year:     Other     Most recent year:     Other     Most recent year:     Other     Most recent year:     Descr be:     16. Has one or more hydrotest or other pressure test been conducted since     original construction at the point of the Accident?     If Yes -     Most recent year tested:     Test pressure:	
Most recent year:     Orbination Tool     Most recent year:     Other     Most recent year:     Other     Most recent year:     Other     Most recent year:     Descr be:     16. Has one or more hydrotest or other pressure test been conducted since     original construction at the point of the Accident?     If Yes -     Most recent year tested:     Test pressure:     17. Has one or more Direct Assessment been conducted on this seament?	
Most recent year:     Orbination Tool     Most recent year:     Other     Most recent year:     Other     Most recent year:     Other     Most recent year:     Other     Most recent year:     Descr be:     16. Has one or more hydrotest or other pressure test been conducted since     original construction at the point of the Accident?     If Yes -     Most recent year tested:     Test pressure:     17. Has one or more Direct Assessment been conducted on this segment?     If Yes, and an investigative dig was conducted at the point of the Accident::	
Most recent year:     Ore and opport     Most recent year:     Other     Most recent year:     Other     Most recent year:     Other     Most recent year:     Other     Most recent year:     Descr be:     16. Has one or more hydrotest or other pressure test been conducted since     original construction at the point of the Accident?     If Yes -     Most recent year tested:     Test pressure:     17. Has one or more Direct Assessment been conducted on this segment?     If Yes, and an investigative dig was conducted at the point of the Accident::     Most recent year conducted:	
Most recent year:     Other     Most recent year:     Descr be:     16. Has one or more hydrotest or other pressure test been conducted since     original construction at the point of the Accident?     If Yes -     Most recent year tested:         Test pressure:     17. Has one or more Direct Assessment been conducted on this segment?     If Yes, and an investigative dig was conducted at the point of the Accident::         Most recent year conducted:         - If Yes, but the point of the Accident was not identified as a dig site:	
Most recent year:     Ore and spot     Most recent year:     Ore and spot     Most recent year:     Other     Most recent year:     Other     Most recent year:     Other     Most recent year:     Descr be:     16. Has one or more hydrotest or other pressure test been conducted since     original construction at the point of the Accident?     If Yes -     Most recent year tested:         Test pressure:     17. Has one or more Direct Assessment been conducted on this segment?     If Yes, and an investigative dig was conducted at the point of the Accident::         Most recent year conducted:         - If Yes, but the point of the Accident was not identified as a dig site:         Most recent year conducted:	
Most recent year: - Combination Tool Most recent year: - Transverse Field/Triaxial Most recent year: - Other - Other Most recent year: Descr be: 16. Has one or more hydrotest or other pressure test been conducted since original construction at the point of the Accident? If Yes - Most recent year tested: Test pressure: 17. Has one or more Direct Assessment been conducted on this segment? - If Yes, and an investigative dig was conducted at the point of the Accident:: Most recent year conducted: - If Yes, but the point of the Accident was not identified as a dig site: Most recent year conducted: 18. Has one or more non-destructive examination been conducted at the	
Most recent year:     Ore and sport     Most recent year:     Other     Most recent year:     Other     Most recent year:     Other     Most recent year:     Other     Most recent year:     Descr be:     16. Has one or more hydrotest or other pressure test been conducted since     original construction at the point of the Accident?     If Yes -     Most recent year tested:         Test pressure:     17. Has one or more Direct Assessment been conducted on this segment?     - If Yes, and an investigative dig was conducted at the point of the Accident::         Most recent year conducted:         - If Yes, but the point of the Accident was not identified as a dig site:         Most recent year conducted:         18. Has one or more non-destructive examination been conducted at the point of the Accident since January 1, 2002?	
Most recent year: - Combination Tool - Transverse Field/Triaxial - Transverse Field/Triaxial Most recent year: - Other Most recent year: Descr be: 16. Has one or more hydrotest or other pressure test been conducted since original construction at the point of the Accident? If Yes - Most recent year tested: Test pressure: 17. Has one or more Direct Assessment been conducted on this segment? - If Yes, and an investigative dig was conducted at the point of the Accident:: Most recent year conducted: - If Yes, but the point of the Accident was not identified as a dig site: Most recent year conducted: 18. Has one or more non-destructive examination been conducted at the point of the Accident since January 1, 2002? 18a. If Yes, for each examination conducted since January 1, 2002, select type	e of non-destructive examination and indicate most
Most recent year: - Combination Tool - Transverse Field/Triaxial - Transverse Field/Triaxial Most recent year: - Other - Other Most recent year: Descr be: 16. Has one or more hydrotest or other pressure test been conducted since original construction at the point of the Accident? If Yes - Most recent year tested: Test pressure: 17. Has one or more Direct Assessment been conducted on this segment? - If Yes, and an investigative dig was conducted at the point of the Accident:: Most recent year conducted: - If Yes, but the point of the Accident was not identified as a dig site: Most recent year conducted: 18. Has one or more non-destructive examination been conducted at the point of the Accident since January 1, 2002? 18a. If Yes, for each examination conducted since January 1, 2002, select type recent year the examination was conducted:	e of non-destructive examination and indicate most
Most recent year: - Combination Tool - Transverse Field/Triaxial - Transverse Field/Triaxial Most recent year: - Other Most recent year: Descr be: 16. Has one or more hydrotest or other pressure test been conducted since original construction at the point of the Accident? If Yes - Most recent year tested: Test pressure: 17. Has one or more Direct Assessment been conducted on this segment? - If Yes, and an investigative dig was conducted at the point of the Accident:: Most recent year conducted: - If Yes, but the point of the Accident was not identified as a dig site: Most recent year conducted at the point of the Accident since January 1, 2002? 18a. If Yes, for each examination conducted since January 1, 2002, select type recent year the examination was conducted: - Radiography	e of non-destructive examination and indicate most
Most recent year: - Combination Tool - Transverse Field/Triaxial - Transverse Field/Triaxial Most recent year: - Other Most recent year: Descr be: 16. Has one or more hydrotest or other pressure test been conducted since original construction at the point of the Accident? If Yes - Most recent year tested: Test pressure: 17. Has one or more Direct Assessment been conducted on this segment? - If Yes, and an investigative dig was conducted at the point of the Accident:: Most recent year conducted: - If Yes, but the point of the Accident was not identified as a dig site: Most recent year conducted: - If Yes, for each examination conducted since January 1, 2002, select type recent year the examination was conducted: - Radiography Most recent year conducted:	e of non-destructive examination and indicate most
Most recent year:  Combination Tool  Most recent year:  Transverse Field/Triaxial  Other  Most recent year:  Other  Most recent year:  Descr be:  16. Has one or more hydrotest or other pressure test been conducted since original construction at the point of the Accident?  If Yes -  Most recent year tested:  Test pressure:  17. Has one or more Direct Assessment been conducted on this segment?  If Yes, and an investigative dig was conducted at the point of the Accident::  Most recent year conducted:  If Yes, but the point of the Accident was not identified as a dig site:  Most recent year conducted:  If Yes, for each examination conducted since January 1, 2002, select type recent year the examination was conducted:  Guided Wave Ultrasonic	e of non-destructive examination and indicate most
Most recent year: - Combination Tool Most recent year: - Transverse Field/Triaxial Most recent year: - Other Most recent year: Descr be: 16. Has one or more hydrotest or other pressure test been conducted since original construction at the point of the Accident? If Yes - Most recent year tested: Test pressure: 17. Has one or more Direct Assessment been conducted on this segment? - If Yes, and an investigative dig was conducted at the point of the Accident:: Most recent year conducted: - If Yes, but the point of the Accident was not identified as a dig site: Most recent year conducted: 18. Has one or more non-destructive examination been conducted at the point of the Accident since January 1, 2002? 18a. If Yes, for each examination conducted since January 1, 2002, select type recent year the examination was conducted: - Radiography Most recent year conducted: - Guided Wave Ultrasonic Most recent year conducted:	e of non-destructive examination and indicate most
Most recent year: - Combination Tool Most recent year: - Transverse Field/Triaxial Most recent year: - Other Most recent year: Descr be: 16. Has one or more hydrotest or other pressure test been conducted since original construction at the point of the Accident? If Yes - Most recent year tested: Test pressure: 17. Has one or more Direct Assessment been conducted on this segment? - If Yes, and an investigative dig was conducted at the point of the Accident:: Most recent year conducted: - If Yes, but the point of the Accident was not identified as a dig site: Most recent year conducted: 18. Has one or more non-destructive examination been conducted at the point of the Accident since January 1, 2002? 18a. If Yes, for each examination conducted since January 1, 2002, select type recent year the examination was conducted: - Radiography Most recent year conducted: - Guided Wave Ultrasonic Most recent year conducted: - Handheld Ultrasonic Tool	e of non-destructive examination and indicate most
Most recent year:     Other     Most recent year:     Descr be:     16. Has one or more hydrotest or other pressure test been conducted since     original construction at the point of the Accident?     If Yes -     Most recent year tested:         Test pressure:     17. Has one or more Direct Assessment been conducted on this segment?     If Yes, and an investigative dig was conducted at the point of the Accident::         Most recent year conducted:         If Yes, but the point of the Accident was not identified as a dig site:         Most recent year conducted:         If Yes, for each examination conducted since January 1, 2002, select type     recent year the examination was conducted:         Radiography     Most recent year conducted:         - Radiography     Most recent year conducted:         - Handheld Ultrasonic Tool     Most recent year conducted:	e of non-destructive examination and indicate most
Most recent year:     Combination Tool     Most recent year:     Transverse Field/Triaxial     Most recent year:     Other     Most recent year:     Other     Most recent year:     Descr be:     16. Has one or more hydrotest or other pressure test been conducted since     original construction at the point of the Accident?     Most recent year tested:         Test pressure:     17. Has one or more Direct Assessment been conducted on this segment?     If Yes, and an investigative dig was conducted at the point of the Accident::         Most recent year conducted:         If Yes, but the point of the Accident was not identified as a dig site:         Most recent year conducted:         If Yes, but the point of the Accident was not identified as a dig site:         Most recent year conducted:         If Yes, for each examination conducted since January 1, 2002, select type         recent year the examination was conducted:         Radiography         Most recent year conducted:         - Radiography         Most recent year conducted:         - Handheld Ultrasonic         Most recent year conducted:         - Wet Magnetic Particle Test	e of non-destructive examination and indicate most
Most recent year:     Order Most recent year:     Other     Most recent year:     Descr be:     16. Has one or more hydrotest or other pressure test been conducted since     original construction at the point of the Accident?     If Yes -     Most recent year tested:         Test pressure:     17. Has one or more Direct Assessment been conducted on this segment?     If Yes, and an investigative dig was conducted at the point of the Accident::     Most recent year conducted:         - If Yes, but the point of the Accident was not identified as a dig site:	e of non-destructive examination and indicate most
Most recent year:     Orbination Tool     Most recent year:     Other     Most recent year:     Descr be:     16. Has one or more hydrotest or other pressure test been conducted since     original construction at the point of the Accident?     If Yes -     Most recent year tested:         Test pressure:     17. Has one or more Direct Assessment been conducted on this segment?     If Yes, and an investigative dig was conducted at the point of the Accident::         Most recent year conducted:         If Yes, but the point of the Accident was not identified as a dig site:         Most recent year conducted:         If Yes, but the point of the Accident was not identified as a dig site:         Most recent year conducted:         If Yes, for each examination conducted since January 1, 2002, select type     recent year the examination was conducted:         Radiography     Most recent year conducted:         And the examination was conducted:         Most recent year conducted:         And the examination conducted is ince January 1, 2002, select type     recent year the examination was conducted:         And the examination was conducted:         And the examination conducted is ince January 1, 2002, select type         recent year conducted:         And the examination conducted is ince January 1, 2002, select type         recent year conducted:         And the examination conducted is ince January 1, 2002, select type         recent year conducted:         And the examination conducted is ince January 1, 2002, select type         recent year conducted:         And the examination conducted is ince January 1, 2002, select type         recent year conducted:         And the examinatis is the point of the Accident is the point	e of non-destructive examination and indicate most
Most recent year:     Orbination Tool     Most recent year:     Other     Most recent year:     Descr be:     16. Has one or more hydrotest or other pressure test been conducted since     original construction at the point of the Accident?     If Yes -     Most recent year tested:         Test pressure:     17. Has one or more Direct Assessment been conducted on this segment?     If Yes, and an investigative dig was conducted at the point of the Accident::         Most recent year conducted:         If Yes, but the point of the Accident was not identified as a dig site:         Most recent year conducted:         If Yes, for each examination conducted since January 1, 2002, select type     recent year the examination was conducted:         Radiography     Most recent year conducted:         Addit recent year conducte	e of non-destructive examination and indicate most
Most recent year:     Orbination Tool     Most recent year:     Other     Most recent year:     Descr be:     If Yes -     Most recent year tested:     Test pressure:     If Yes -     Most recent year tested:     Test pressure:     If Yes, and an investigative dig was conducted at the point of the Accident::     Most recent year conducted:     If Yes, but the point of the Accident was not identified as a dig site:     Most recent year conducted:     If Yes, for each examination conducted since January 1, 2002, select type     recent year the examination was conducted:     Guided Wave Ultrasonic     Most recent year conducted:	e of non-destructive examination and indicate most
Most recent year:     Obter     Most recent year:     Other     Most recent year:     Descr be:     If. Has one or more hydrotest or other pressure test been conducted since     original construction at the point of the Accident?     If Yes -     Most recent year tested:         Test pressure:     If. Has one or more Direct Assessment been conducted on this segment?     If Yes, and an investigative dig was conducted at the point of the Accident::         Most recent year conducted:         - If Yes, but the point of the Accident was not identified as a dig site:         Most recent year conducted:         - If Yes, for each examination conducted since January 1, 2002, select type     recent year the examination was conducted:         - Radiography     Most recent year conducted:         - Guided Wave Ultrasonic         Most recent year conducted:         - Handheld Ultrasonic Tool         Most recent year conducted:         - Wet Magnetic Particle Test         Most recent year conducted:         - Dry Magnetic Particle Test         Most recent year conducted:         - Other	e of non-destructive examination and indicate most

G2 - Natural Force Damage - only one sub-cause can be picked from	n shaded left-handed column
Natural Force Damage – Sub-Cause:	
- If Earth Movement, NOT due to Heavy Rains/Floods:	
1. Specify:	
- If Other, Describe:	
- If Heavy Raills/Floods: 2. Specify:	
- If Other, Descr be:	
- If Lightning:	
3. Specify:	
- If Temperature:	
- If Other. Descr be:	
- If High Winds:	
K Other Natural Force Demonst	
- If Other Natural Force Damage:	
Complete the following if any Natural Force Damage sub-cause is sele	cted
6. Were the natural forces causing the Accident generated in	
conjunction with an extreme weather event?	
6a. If Yes, specify: (select all that apply)	
- Hurricane	
- Topical Storm - Tornado	
- Other	
- If Other, Descr be:	
G3 - Excavation Damage - only one sub-cause can be picked from s	haded left-hand column
Excavation Damage – Sub-Cause:	
- If Excavation Damage by Operator (First Party):	
- If Excavation Damage by Operator's Contractor (Second Party):	
- If Excavation Damage by Third Party:	
If Excavation Damage by Third Party:     If Previous Damage due to Excavation Activity:	
If Excavation Damage by Third Party:     If Previous Damage due to Excavation Activity:     Complete Questions 1-5 ONLY IF the "Item Involved in Accident" (from	PART C, Question 3) is Pipe or Weld.
If Excavation Damage by Third Party:     If Previous Damage due to Excavation Activity:     Complete Questions 1-5 ONLY IF the "Item Involved in Accident" (from     1. Has one or more internal inspection tool collected data at the point of     the Accident?	PART C, Question 3) is Pipe or Weld.
If Excavation Damage by Third Party:     If Previous Damage due to Excavation Activity:     Complete Questions 1-5 ONLY IF the "Item Involved in Accident" (from     1. Has one or more internal inspection tool collected data at the point of     the Accident?     1a. If Yes, for each tool used, select type of internal inspection tool a         - Magnetic Flux Leakage	PART C, Question 3) is Pipe or Weld. nd indicate most recent year run: -
If Excavation Damage by Third Party:     If Previous Damage due to Excavation Activity:     Complete Questions 1-5 ONLY IF the "Item Involved in Accident" (from     1. Has one or more internal inspection tool collected data at the point of     the Accident?     1a. If Yes, for each tool used, select type of internal inspection tool a         - Magnetic Flux Leakage         Most recent year conducted:	PART C, Question 3) is Pipe or Weld. nd indicate most recent year run: -
If Excavation Damage by Third Party:     If Previous Damage due to Excavation Activity:     Complete Questions 1-5 ONLY IF the "Item Involved in Accident" (from     1. Has one or more internal inspection tool collected data at the point of     the Accident?     1a. If Yes, for each tool used, select type of internal inspection tool a         - Magnetic Flux Leakage	PART C, Question 3) is Pipe or Weld. nd indicate most recent year run: -
If Excavation Damage by Third Party:     If Previous Damage due to Excavation Activity:     Complete Questions 1-5 ONLY IF the "Item Involved in Accident" (from     1. Has one or more internal inspection tool collected data at the point of     the Accident?     1a. If Yes, for each tool used, select type of internal inspection tool a         Most recent year conducted:         Ultrasonic         Most recent year conducted:         Geometry	PART C, Question 3) is Pipe or Weld. nd indicate most recent year run: -
If Excavation Damage by Third Party:     If Previous Damage due to Excavation Activity:     Complete Questions 1-5 ONLY IF the "Item Involved in Accident" (from     1. Has one or more internal inspection tool collected data at the point of     the Accident?         1a. If Yes, for each tool used, select type of internal inspection tool a	PART C, Question 3) is Pipe or Weld. nd indicate most recent year run: -
If Excavation Damage by Third Party:     If Previous Damage due to Excavation Activity:     Complete Questions 1-5 ONLY IF the "Item Involved in Accident" (from     1. Has one or more internal inspection tool collected data at the point of     the Accident?         1a. If Yes, for each tool used, select type of internal inspection tool a             - Magnetic Flux Leakage	PART C, Question 3) is Pipe or Weld. nd indicate most recent year run: -
If Excavation Damage by Third Party:     If Previous Damage due to Excavation Activity:     Complete Questions 1-5 ONLY IF the "Item Involved in Accident" (from     1. Has one or more internal inspection tool collected data at the point of     the Accident?         1a. If Yes, for each tool used, select type of internal inspection tool a	PART C, Question 3) is Pipe or Weld.  nd indicate most recent year run: -
If Excavation Damage by Third Party:     If Previous Damage due to Excavation Activity:     Complete Questions 1-5 ONLY IF the "Item Involved in Accident" (from     1. Has one or more internal inspection tool collected data at the point of     the Accident?     1a. If Yes, for each tool used, select type of internal inspection tool a         - Magnetic Flux Leakage	PART C, Question 3) is Pipe or Weld.  nd indicate most recent year run: -
If Excavation Damage by Third Party:     If Previous Damage due to Excavation Activity:     Complete Questions 1-5 ONLY IF the "Item Involved in Accident" (from     1. Has one or more internal inspection tool collected data at the point of     the Accident?     1a. If Yes, for each tool used, select type of internal inspection tool a         - Magnetic Flux Leakage         Most recent year conducted:         - Ultrasonic         Most recent year conducted:         - Geometry         Most recent year conducted:         - Caliper         Most recent year conducted:         - Crack         Most recent year conducted:         - Hard Spot	PART C, Question 3) is Pipe or Weld.  nd indicate most recent year run: -
If Excavation Damage by Third Party:     If Previous Damage due to Excavation Activity:     Complete Questions 1-5 ONLY IF the "Item Involved in Accident" (from     1. Has one or more internal inspection tool collected data at the point of     the Accident?     1a. If Yes, for each tool used, select type of internal inspection tool a         Most recent year conducted:         Outrasonic         Most recent year conducted:         Oaliper         Most recent year conducted:         Caliper         Most recent year conducted:         Crack         Most recent year conducted:         Hard Spot	PART C, Question 3) is Pipe or Weld.  nd indicate most recent year run: -
If Excavation Damage by Third Party:     If Previous Damage due to Excavation Activity:     Complete Questions 1-5 ONLY IF the "Item Involved in Accident" (from     1. Has one or more internal inspection tool collected data at the point of     the Accident?     1a. If Yes, for each tool used, select type of internal inspection tool a         Most recent year conducted:         Ultrasonic         Most recent year conducted:         Geometry         Most recent year conducted:         Caliper         Most recent year conducted:         Crack         Most recent year conducted:         Hard Spot         Most recent year conducted:         Combination Tool	PART C, Question 3) is Pipe or Weld.  nd indicate most recent year run: -
If Excavation Damage by Third Party:     If Previous Damage due to Excavation Activity:     Complete Questions 1-5 ONLY IF the "Item Involved in Accident" (from     1. Has one or more internal inspection tool collected data at the point of     the Accident?         1a. If Yes, for each tool used, select type of internal inspection tool a         Most recent year conducted:         Ultrasonic         Most recent year conducted:         Oaliper         Most recent year conducted:         Caliper         Most recent year conducted:         Crack         Most recent year conducted:         Hard Spot         Most recent year conducted:         Combination Tool	PART C, Question 3) is Pipe or Weld.  nd indicate most recent year run: -
If Excavation Damage by Third Party:     If Previous Damage due to Excavation Activity:     Complete Questions 1-5 ONLY IF the "Item Involved in Accident" (from     1. Has one or more internal inspection tool collected data at the point of     the Accident?     1a. If Yes, for each tool used, select type of internal inspection tool a         Magnetic Flux Leakage         Most recent year conducted:         Ultrasonic         Most recent year conducted:         Caliper         Most recent year conducted:         Crack         Most recent year conducted:         Crack         Most recent year conducted:         Caliper         Most recent year conducted:         Crack         Most recent year conducted:         Crack         Most recent year conducted:         Crack         Most recent year conducted:         Combination Tool         Most recent year conducted:         Combination Tool         Most recent year conducted:         Transverse Field/Triaxial	PART C, Question 3) is Pipe or Weld.  nd indicate most recent year run: -
If Excavation Damage by Third Party:     If Previous Damage due to Excavation Activity:     Complete Questions 1-5 ONLY IF the "Item Involved in Accident" (from     1. Has one or more internal inspection tool collected data at the point of     the Accident?         1a. If Yes, for each tool used, select type of internal inspection tool a	PART C, Question 3) is Pipe or Weld.  nd indicate most recent year run: -
If Excavation Damage by Third Party:     If Previous Damage due to Excavation Activity:     Complete Questions 1-5 ONLY IF the "Item Involved in Accident" (from     1. Has one or more internal inspection tool collected data at the point of     the Accident?     1a. If Yes, for each tool used, select type of internal inspection tool a         Most recent year conducted:         Ultrasonic         Most recent year conducted:         Geometry         Most recent year conducted:         Caliper         Most recent year conducted:         Caliper         Most recent year conducted:         Crack         Most recent year conducted:         Crack         Most recent year conducted:         Combination Tool         Most recent year conducted:         Combination Tool         Most recent year conducted:         Transverse Field/Triaxial         Most recent year conducted:         Other	PART C, Question 3) is Pipe or Weld.  nd indicate most recent year run: -
If Excavation Damage by Third Party:     If Previous Damage due to Excavation Activity:     Complete Questions 1-5 ONLY IF the "Item Involved in Accident" (from     1. Has one or more internal inspection tool collected data at the point of     the Accident?     1a. If Yes, for each tool used, select type of internal inspection tool a         Magnetic Flux Leakage         Most recent year conducted:         Ultrasonic         Most recent year conducted:         Geometry         Most recent year conducted:         Caliper         Most recent year conducted:         Crack         Most recent year conducted:         Crack         Most recent year conducted:         Combination Tool         Most recent year conducted:         Transverse Field/Triaxial         Most recent year conducted:         Other         Most recent year conducted:         Other	PART C, Question 3) is Pipe or Weld.  nd indicate most recent year run: -
If Excavation Damage by Third Party:      If Previous Damage due to Excavation Activity:      Complete Questions 1-5 ONLY IF the "Item Involved in Accident" (from      1. Has one or more internal inspection tool collected data at the point of     the Accident?      1a. If Yes, for each tool used, select type of internal inspection tool a         Most recent year conducted:         Most recent year conducted:         Other         Most recent year conducted:         Cambination Tool         Most recent year conducted:         Combination Tool         Most recent year conducted:         Combination Tool         Most recent year conducted:         Other         Most recent year conduct	PART C, Question 3) is Pipe or Weld.  nd indicate most recent year run: -
If Excavation Damage by Third Party:      If Previous Damage due to Excavation Activity:      Complete Questions 1-5 ONLY IF the "Item Involved in Accident" (from      1. Has one or more internal inspection tool collected data at the point of     the Accident?      1a. If Yes, for each tool used, select type of internal inspection tool a         Most recent year conducted:         Outrasonic          Most recent year conducted:         Outrasonic          Caliper          Most recent year conducted:         Caliper          Most recent year conducted:         Crack          Most recent year conducted:         Outrasonic          Most recent year conducted:         Crack          Most recent year conducted:         Crack          Most recent year conducted:         Outrasonic          Combination Tool          Most recent year conducted:         Other          Most recent year conducted:         Other	PART C, Question 3) is Pipe or Weld.
If Excavation Damage by Third Party:     If Previous Damage due to Excavation Activity:     Complete Questions 1-5 ONLY IF the "Item Involved in Accident" (from     1. Has one or more internal inspection tool collected data at the point of     the Accident?     1a. If Yes, for each tool used, select type of internal inspection tool a         Magnetic Flux Leakage         Most recent year conducted:         Ultrasonic         Most recent year conducted:         Geometry         Most recent year conducted:         Caliper         Most recent year conducted:         Crack         Most recent year conducted:         Other         Most re	PART C, Question 3) is Pipe or Weld.
If Excavation Damage by Third Party:     If Previous Damage due to Excavation Activity:     Complete Questions 1-5 ONLY IF the "Item Involved in Accident" (from     1. Has one or more internal inspection tool collected data at the point of     the Accident?     1a. If Yes, for each tool used, select type of internal inspection tool a         - Magnetic Flux Leakage         Most recent year conducted:         - Ultrasonic         Most recent year conducted:         - Geometry         Most recent year conducted:         - Caliper         Most recent year conducted:         - Crack         Most recent year conducted:         - Combination Tool         Most recent year conducted:         - Combination Tool         Most recent year conducted:         - Do you have reason to believe that the internal inspection was         completed BEFORE the damage was sustained?         - If Yes:         Most recent year conducted since         original construction at the point of the Accident?         - If Yes:	PART C, Question 3) is Pipe or Weld.

4. Has one or more Direct Assessment been conducted on the pipeline	
segment?	
<ul> <li>If Yes, and an investigative dig was conducted at the point of the Accil Most report years and ustade</li> </ul>	ident:
If Yos, but the point of the Accident was not identified as a dia site:	
- If it es, but the point of the Accident was not identified as a dig site. Most recent year conducted:	
5. Has one or more non-destructive examination been conducted at the	
point of the Accident since January 1, 2002?	
5a. If Yes, for each examination, conducted since January 1, 2002,	select type of non-destructive examination and indicate most
recent year the examination was conducted:	<i></i>
- Radiography	
Most recent year conducted:	
- Guided Wave Ultrasonic	
Most recent year conducted:	
- Handheid Ultrasonic Tool	
Wost Magnetic Particle Test	
Most recent year conducted:	
- Dry Magnetic Particle Test	
Most recent vear conducted:	
- Other	
Most recent year conducted:	
Descr be:	
Complete the following if Excavation Damage by Third Party is selected	ed as the sub-cause.
6. Did the operator get prior notification of the excavation activity?	
One Call System	
- One-Call System	
- Contractor	
- Landowner	
Complete the following mandatory CGA-DIRT Program questions if any	y Excavation Damage sub-cause is selected.
7. Do you want PHMSA to upload the following information to CGA-	
DIRT (www.cga-dirt.com)?	
8. Right-of-Way where event occurred: (select all that apply) -	
- Public	
- If "Public", Specify:	
- Private	
- If "Private", Specify:	
- Fipeline Flopeny/Edsement	
- Railroad	
- Dedicated Public Utility Easement	
- Federal Land	
- Data not collected	
- Unknown/Other	
9. Type of excavator:	
10. Type of excavation equipment:	
11. Type of work performed:	
12. Was the One-Call Center notified?	
12a. If Yes, specify ticket number:	
evists, list the name of the One-Call Center notified	
13 Type of Locator:	
14. Were facility locate marks vis ble in the area of excavation?	
15. Were facilities marked correctly?	
16. Did the damage cause an interruption in service?	
16a. If Yes, specify duration of the interruption (hours)	
17. Description of the CGA-DIRT Root Cause (select only the one predom	ninant first level CGA-DIRT Root Cause and then, where
available as a choice, the one predominant second level CGA-DIRT Root	Cause as well):
Root Cause:	
- If One-Call Notification Practices Not Sufficient, specify:	
If Locating Practices Not Sufficient, specify:	
IT Excavation Practices Not Sufficient, specify:	
- II Other/None of the Above, explain:	
G4 - Other Outside Force Damage - only one sub-cause can be su	elected from the shaded left-hand column
Other Outside Force Damage – Sub-Cause:	

- If Nearby Industrial, Man-made, or Other Fire/Explosion as Primary (	- If Nearby Industrial, Man-made, or Other Fire/Explosion as Primary Cause of Incident:	
If Damage by Car, Truck, or Other Motorized Vehicle/Equipment NOT Engaged in Excavation:		
venicle/Equipment operated by:     If Damage by Boats, Barges, Drilling Rigs, or Other Maritime Equipment or Vessels Set Adrift or Which Have Otherwise Lost Their Mooring:		
2. Select one or more of the following IF an extreme weather event was a	factor:	
- Hurricane		
- Tornado		
- Heavy Rains/Flood		
- Other		
- If Other, Descr be:		
- If Routine or Normal Fishing or Other Maritime Activity NOT Engage	d in Excavation:	
- If Electrical Arcing from Other Equipment or Facility:		
- If Previous Mechanical Damage NOT Related to Excavation:		
Complete Questions 3-7 ONLY IF the "Item Involved in Accident" (fro	m PART C, Question 3) is Pipe or Weld.	
3. Has one or more internal inspection tool collected data at the point of the Accident?		
3a. If Yes, for each tool used, select type of internal inspection tool and in	dicate most recent year run:	
- Magnetic Flux Leakage		
- Ultrasonic		
Most recent year conducted:		
- Geometry		
Most recent year conducted:		
- Caliper		
- Crack		
Most recent year conducted:		
- Hard Spot		
Most recent year conducted:		
- Combination Tool		
Most recent year conducted:		
- Transverse Field/Triaxial		
Most recent year conducted:		
Most recent year conducted:		
Descr be:		
4. Do you have reason to believe that the internal inspection was completed BEFORE the damage was sustained?		
5. Has one or more hydrotest or other pressure test been conducted since original construction at the point of the Accident?		
Most recent vear tested:		
Test pressure (psig):		
6. Has one or more Direct Assessment been conducted on the pipeline segment?		
- If Yes, and an investigative dig was conducted at the point of the Accident:		
Most recent year conducted:		
Most recent vear conducted.		
7. Has one or more non-destructive examination been conducted at the point of the Accident since January 1, 2002?		
7a. If Yes, for each examination conducted since January 1, 2002, so recent year the examination was conducted:	elect type of non-destructive examination and indicate most	
- Kadiography Most recent year conducted		
- Guided Wave Ultrasonic		
Most recent year conducted:		
- Handheld Ultrasonic Tool		
Most recent year conducted:		
- Wet Magnetic Particle Lest		
- Dry Magnetic Particle Test		
Most recent vear conducted:		
- Other		
Most recent year conducted:		

Descr be:	
- If Intentional Damage:	1
8. Specify:	
- If Other, Descr be:	
- If Other Outside Force Damage:	
9. Describe:	
G5 - Material Failure of Pipe or Weld - only one sub-cause can be	e selected from the shaded left-hand column
Use this section to report material failures ONLY IF the "Item Involve "Weld."	d in Accident" (from PART C, Question 3) is "Pipe" or
Material Failure of Pipe or Weld – Sub-Cause:	
<ol> <li>The sub-cause selected below is based on the following: (select all the - Field Examination</li> </ol>	at apply)
- Determined by Metallurgical Analysis	
- Other Analysis	
- If "Other Analysis", Descr be:	
- Sub-cause is Tentative or Suspected; Still Under Investigation	
(Supplemental Report required)	
- II CONSTRUCTION, INSTAllation, or Paprication-related:	
- Eatique or Vibration-related	
Snerify	
- If Other. Describe:	
- Mechanical Stress:	
- Other	
- If Other, Descr be:	
- If Original Manufacturing-related (NOT girth weld or other welds for	med in the field):
2. List contr buting factors: (select all that apply)	
- Fatigue or Vibration-related:	
Specify:	
- If Other, Descr be:	
- Mechanical Stress:	
- Other	
- II Other, Describe.	
- II Environmental Gracking-related.	
- Other - Describe:	
Complete the following if any Material Failure of Pipe or Weld sub-cau	ise is selected.
4. Additional factors: (select all that apply):	
- Dent	
- Gouge	
- Pipe Bend	
- Arc Burn	
- Crack	
- Lack of Fusion	
- Lamination	
- Willikie - Misalianment	
- Burnt Steel	
- Other:	
- If Other. Descr be:	
5. Has one or more internal inspection tool collected data at the point of the Accident?	
5a. If Yes, for each tool used, select type of internal inspection tool a	and indicate most recent year run:
- Magnetic Flux Leakage	
Most recent year run:	
- Ultrasonic	
Most recent year run:	
- Geometry	
Most recent year run:	
- Camper	
Nost recent year run:	
- Ulduk Most recent voor run:	
- Hard Spot	
Most recent vear run:	
Most room year run.	

- Combination Tool	
Most recent year run:	
- Transverse Field/Triaxial	
Most recent year run:	
- Other	
Most recent year run:	
Descr be:	
6. Has one or more hydrotest or other pressure test been conducted since	
original construction at the point of the Accident?	
- II Tes.	
Test pressure (psid):	
7 Has one or more Direct Assessment been conducted on the pipeline	
seament?	
- If Yes, and an investigative dig was conducted at the point of the Acc	ident -
Most recent year conducted:	
- If Yes, but the point of the Accident was not identified as a dig site -	
Most recent year conducted:	
8. Has one or more non-destructive examination(s) been conducted at the	
point of the Accident since January 1, 2002?	
8a. If Yes, for each examination conducted since January 1, 2002, s	elect type of non-destructive examination and indicate most
recent year the examination was conducted: -	
- Radiography Most recent year conducted:	
- Guided Wave Ultrasonic	
Most recent year conducted:	
- Handheld Ultrasonic Tool	
Most recent year conducted:	
- Wet Magnetic Particle Test	
Most recent year conducted:	
- Dry Magnetic Particle Test	
Most recent year conducted:	
- Other Most recent year conducted	
Niost recent year conducted.	
G6 – Equipment Failure - only one sub-cause can be selected from	he shaded left-hand column
G6 – Equipment Failure - only one sub-cause can be selected from	he shaded left-hand column
G6 – Equipment Failure - only one sub-cause can be selected from t Equipment Failure – Sub-Cause:	he shaded left-hand column Non-threaded Connection Failure
G6 – Equipment Failure - only one sub-cause can be selected from t Equipment Failure – Sub-Cause: - If Malfunction of Control/Relief Equipment:	he shaded left-hand column Non-threaded Connection Failure
<ul> <li>G6 – Equipment Failure - only one sub-cause can be selected from t</li> <li>Equipment Failure – Sub-Cause:</li> <li>If Malfunction of Control/Relief Equipment:</li> <li>Specify: (select all that apply) -</li> </ul>	he shaded left-hand column Non-threaded Connection Failure
G6 – Equipment Failure - only one sub-cause can be selected from the se	he shaded left-hand column Non-threaded Connection Failure
G6 – Equipment Failure - only one sub-cause can be selected from the se	he shaded left-hand column Non-threaded Connection Failure
G6 – Equipment Failure - only one sub-cause can be selected from t Equipment Failure – Sub-Cause: - If Malfunction of Control/Relief Equipment: 1. Specify: (select all that apply) - - Control Valve - Instrumentation - SCADA	he shaded left-hand column Non-threaded Connection Failure
G6 – Equipment Failure - only one sub-cause can be selected from the se	he shaded left-hand column Non-threaded Connection Failure
G6 – Equipment Failure - only one sub-cause can be selected from the se	he shaded left-hand column Non-threaded Connection Failure
G6 – Equipment Failure - only one sub-cause can be selected from t Equipment Failure – Sub-Cause: - If Malfunction of Control/Relief Equipment: 1. Specify: (select all that apply) - - Control Valve - Instrumentation - SCADA - Communications - Block Valve - Check Valve - Relief Valve	he shaded left-hand column Non-threaded Connection Failure
G6 – Equipment Failure - only one sub-cause can be selected from t Equipment Failure – Sub-Cause: - If Malfunction of Control/Relief Equipment: 1. Specify: (select all that apply) - - Control Valve - Instrumentation - SCADA - Communications - Block Valve - Check Valve - Relief Valve - Power Failure	he shaded left-hand column Non-threaded Connection Failure
G6 – Equipment Failure - only one sub-cause can be selected from the se	he shaded left-hand column Non-threaded Connection Failure
G6 – Equipment Failure - only one sub-cause can be selected from t Equipment Failure – Sub-Cause: - If Malfunction of Control/Relief Equipment: 1. Specify: (select all that apply) - - Control Valve - Instrumentation - SCADA - Communications - Block Valve - Check Valve - Relief Valve - Relief Valve - Stopple/Control Fitting - ESD System Failure	he shaded left-hand column Non-threaded Connection Failure
G6 – Equipment Failure - only one sub-cause can be selected from the se	he shaded left-hand column Non-threaded Connection Failure
G6 – Equipment Failure - only one sub-cause can be selected from the se	he shaded left-hand column Non-threaded Connection Failure
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G6 – Equipment Failure - only one sub-cause can be selected from the se	he shaded left-hand column Non-threaded Connection Failure
G6 – Equipment Failure - only one sub-cause can be selected from t         Equipment Failure – Sub-Cause:         - If Malfunction of Control/Relief Equipment:         1. Specify: (select all that apply) -         - Control Valve         - Instrumentation         - SCADA         - Communications         - Block Valve         - Check Valve         - Check Valve         - Relief Valve         - Stopple/Control Fitting         - ESD System Failure         - Other         - If Other – Descr be:         - If Pump or Pump-related Equipment:         2. Specify:         - If Other – Descr be:         - If Non-threaded Connection/Coupling Failure:         3. Specify:         - If Other – Descr be:         - If Non-threaded Connection Failure:         4. Specify:         - If Other – Descr be:	he shaded left-hand column Non-threaded Connection Failure
G6 – Equipment Failure - only one sub-cause can be selected from t         Equipment Failure – Sub-Cause:         - If Malfunction of Control/Relief Equipment:         1. Specify: (select all that apply) -         - Control Valve         - Instrumentation         - SCADA         - Communications         - Block Valve         - Check Valve         - Check Valve         - Relief Valve         - Stopple/Control Fitting         - ESD System Failure         - Other         - If Other – Descr be:         - If Pump or Pump-related Equipment:         2. Specify:         - If Other – Descr be:         - If Non-threaded Connection/Coupling Failure:         3. Specify:         - If Other – Descr be:         - If Non-threaded Connection Failure:         4. Specify:         - If Other – Descr be:	he shaded left-hand column Non-threaded Connection Failure
G6 – Equipment Failure - only one sub-cause can be selected from t         Equipment Failure – Sub-Cause:         - If Malfunction of Control/Relief Equipment:         1. Specify: (select all that apply) -         - Control Valve         - Instrumentation         - SCADA         - Communications         - Block Valve         - Check Valve         - Check Valve         - Relief Valve         - Stopple/Control Fitting         - ESD System Failure         - Other         - If Other – Descr be:         - If Pump or Pump-related Equipment:         2. Specify:         - If Other – Descr be:         - If Other – Descr be:         - If Other – Descr be:         - If Non-threaded Connection/Coupling Failure:         3. Specify:         - If Other – Descr be:         - If Non-threaded Connection Failure:         4. Specify:         - If Other – Descr be:         - If Defective or Loose Tubing or Fitting:         - If Failure of Equipment Body (except Pump), Tank Plate, or other M	he shaded left-hand column Non-threaded Connection Failure
G6 – Equipment Failure - only one sub-cause can be selected from the se	he shaded left-hand column Non-threaded Connection Failure
G6 – Equipment Failure - only one sub-cause can be selected from the selected from the selected from the selected from the select all that apply) -         - If Malfunction of Control/Relief Equipment:         1. Specify: (select all that apply) -         - Control Valve         - Instrumentation         - SCADA         - Communications         - Block Valve         - Check Valve         - Relief Valve         - Relief Valve         - Power Failure         - Stopple/Control Fitting         - ESD System Failure         - Other         - If Other – Descr be:         - If Pump or Pump-related Equipment:         2. Specify:         - If Other – Descr be:         - If Other – Descr be:         - If Other – Descr be:         - If Non-threaded Connection/Coupling Failure:         3. Specify:         - If Other – Descr be:         - If Other – Descr be:         - If Other – Descr be:         - If Other of Equipment Body (except Pump), Tank Plate, or other M         - If Other Equipment Failure:         5. Describe:	he shaded left-hand column Non-threaded Connection Failure

Complete the following if any Equipment Failure sub-cause is selected.	
6. Additional factors that contributed to the equipment failure: (select all the	hat apply)
- Excessive vibration	
- Overpressurization	
- No support or loss of support	
- Manufacturing defect	
- Loss of electricity	
- Improper installation	Yes
- Mismatched items (different manufacturer for tubing and tubing	
fittings)	
- Dissimilar metals	
- Breakdown of soft goods due to compatibility issues with	
transported commodity	
- Valve vault or valve can contributed to the release	
- Alarm/status failure	
- Misalignment	
- Thermal stress	
- Other	
- If Other, Descr be:	
G7 - Incorrect Operation - only one sub-cause can be selected from the shaded left-hand column	
Incorrect Operation – Sub-Cause:	
Damage by Operator or Operator's Contractor NOT Related to Excavation and NOT due to Motorized Vehicle/Equipment Damage	No
Tank, Vessel, or Sump/Separator Allowed or Caused to Overfill or Overflow	No
1. Specify:	
- If Other Describe:	
Valve Left or Placed in Wrong Position, but NOT Resulting in a Tank, Vessel, or Sump/Separator Overflow or Facility Overpressure	No
Pipeline or Equipment Overpressured	No
Equipment Not Installed Properly	No
Wrong Equipment Specified or Installed	No
Other Incorrect Operation	No
2. Describe:	
Complete the following if any Incorrect Operation sub-cause is selected	ed.
3. Was this Accident related to (select all that apply): -	
- Inadequate procedure	
- No procedure established	
- Other:	
- If Other, Descr be:	
4. What category type was the activity that caused the Accident?	
5. Was the task(s) that led to the Accident identified as a covered task in your Operator Qualification Program?	
5a. If Yes, were the individuals performing the task(s) qualified for the task(s)?	
G8 - Other Accident Cause - only one sub-cause can be selected from the shaded left-hand column	
Other Accident Cause – Sub-Cause:	
- If Miscellaneous:	
1. Describe:	
- If Unknown:	

### PART H - NARRATIVE DESCRIPTION OF THE ACCIDENT

Flange gasket that was not tightened evenly failed during startup. Controller did not recognize flow condi ions that were out of normal ranges at delivery point and continued to operate pipeline for extended time.

### File Full Name

### PART I - PREPARER AND AUTHORIZED SIGNATURE

Preparer's Name	Kenneth D. Dockweiler
Preparer's Title	DOT Compliance Coordinator
Preparer's Telephone Number	3072660275
Preparer's E-mail Address	ken.dockweiler@truecos.com
Preparer's Facsimile Number	
Authorized Signature's Name	Kenneth D. Dockweiler
Authorized Signature Title	DOT Compliance Coordinator
Authorized Signature Telephone Number	3072660275
Authorized Signature Email	ken.dockweiler@truecos.com
Date	12/27/2012