

Procedure # SPBPL-001.00	SPBPL 16” Manual Leak Detection	
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Overview:

In the event of a communications breakdown between Platforms Elly and the Beta Pump Station, this procedure will cover Manual Leak Detection of the SPBPL 16” pipeline (Line ID # CSFM 0341) following recommended and accepted standards and guidelines.

This procedure will be implemented to verify and confirm pipeline integrity by comparing point to point metering status between Platform Elly and the Beta Pump Station.

As a backup to the ATMOS LDS Monitoring, the totalizer readings can be tracked and logged on both ends of the pipeline using one of three methods, OMNI Flow Computers totalizer, meter register totalizer and tank gauge. To verify line integrity, this data will be recorded every 30 Minutes and tabulated in a dedicated Excel Spreadsheet. The Field Entry Form is located on the last page of this document and “Manual Leak Detection Tracking” spreadsheet is located in “ R:\Pipelines\Pipeline Procedures\SPBPL Specific Proc “

Manual Leak Detection criteria will be based upon a 1 hour–5% or 24 hour–1.5% variance in the net accumulated metered barrels between Elly and Beta Pump Station

If a leak is suspected in the pipeline, notify the Platform Superintendent or PIC immediately. If the leak is verified, the Oil Spill Prevention and Response Plan and Emergency Repair Procedures will be implemented.

Beta Offshore has the sole responsibility for complying with applicable Federal, State and local laws and requirements and for obtaining all required permits related to this procedure "as submitted" prior to commencing activities.

The “Bureau of Safety and Environmental Enforcement” (BSEE) are the primary contacts for all changes and modifications to any procedure and/or equipment.

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Roles and Responsibilities:

Control Room Operator (Elly):

- Safe operation of task.
- Primary person in charge of operation, monitoring and recording data of LDS to include:
 - A. Verify communications link integrity between Elly and Beta Pump Station (Telephone or E-mail), is network up?
 - B. Field instrumentation functioning correctly.
 - C. OMNI Flow Computer totalizer is tracking barrels correctly.

Pipeline Tech (Beta Pump Station):

- Safe operation of task.
- Monitoring of LDS to include:
 - A. Verify communications link integrity between Elly and Beta Pump Station (Telephone or E-mail), is network up?
 - B. Field instrumentation functioning correctly.
 - C. OMNI Flow Computer totalizer is tracking barrels correctly.

Facilities Operator (Elly):

- Assist in collecting field instrument data.

Associated Hazards:

Special or Unique Hazards:

- Communication inconsistencies, a form of communication between Elly and the Beta Pump Station must exist before beginning this task.

Required Tools and Equipment:

- Control Room and Field instrumentation.
- Manual Leak Detection Tracking Spreadsheet (Excel Spreadsheet)
- Manual Leak Detection Field Entry Form (Used to collect data outside).

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Pre-Start Up Conditions Check List:

Verify the following:

Control Room Operator:

- Instrumentation displaying correct values.
- Communications between Elly and Beta Station verified.

Facilities Operator:

- Field instrumentation values displayed correctly.

Pipeline Tech:

- Instrumentation displaying correct values.
- Communications between Elly and Beta Pump Station verified.

***Procedure:
Every 30 minutes, perform the following:***

Steps	Action
Metering Check:	
1	Record totalizer readings from OMNI Flow Computers at both locations, Elly and Beta Station.
2	Facilities Operator starts up pipeline to Platform Elly
3	Control Room Operator and Pipeline Tech will observe and verify that OMNI totalizers are tracking barrel.
4	Facilities Operator will observe and verify that the field instrumentation match's that being displayed on the OMNI Flow computer.
5	EVERY 30 MINS, The Control Room operator will record all data requested on the "Manual Leak Detection Tracking" spreadsheet and verify pipeline integrity.
6	The recording of data will continue until the automated LDS Monitoring has been reestablished.
7	Save all entries into the "Manual Leak Detection Tracking" spreadsheet. DO NOT DELETE OLD DATA
NOTE:	
If the collected leak detection data match's or exceeds the above set criteria, shutdown the pipeline immediately and notify the Platform Supervisor.	

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Abnormal Operating Conditions:

Immediately shut down the pipeline and immediately call the Platform Supervisor or PIC if any of the following occurs:

- Immediate loss of pressure.
- Discharge of fluids.
- Mechanical malfunction.
- Instrument malfunction.
- Indication of Leak

Cont:

