Transponder Recovery
ROV DIVE PLAN

This scenario is designed to practice deploying and recovering transponders to and from a "Chicken Foot" that is suspended above the ocean floor.

The scenario requires the use of a single ROV.

Field Layout

The field consists of the 4 transponders spaced 100 meters apart. Each transponder is attached to a float and anchor. There is also a chicken foot with 4 new transponders to replace the old ones, launched from the surface, as well as 4 wellheads located around the field.

ROV tools and equipment required in the Scenario

ROV tools required for this dive:

- None

Equipment and models required for this dive:

- 1 Chicken foot
- 4 new Transponders with attached floats and anchors

ROV Set Up

ROV 1	**TMS**
• ROV starboard manipulator (Orion 7 function arm) • ROV port manipulator (Rigmaster 5 function arm)	• None

Pre Job Tasks
None

ROV Operations

Transponder Recovery

1. Locate the chicken foot and fly the ROV to its location.
2. Retrieve one of the transponders (T5, T6, T7, or T8) from the chicken foot.
3. Using the VSONAR, locate one of the transponders (T1, T2, T3, or T4) that are distributed around the field and fly the ROV, with the transponder you have retrieved from the chicken foot, to its location.
4. Place the new transponder next to the existing one.
5. Retrieve the original transponder (T1, T2, T3, or T4) and return it to the chicken foot to the pelican hook side (hook with a locking pin).

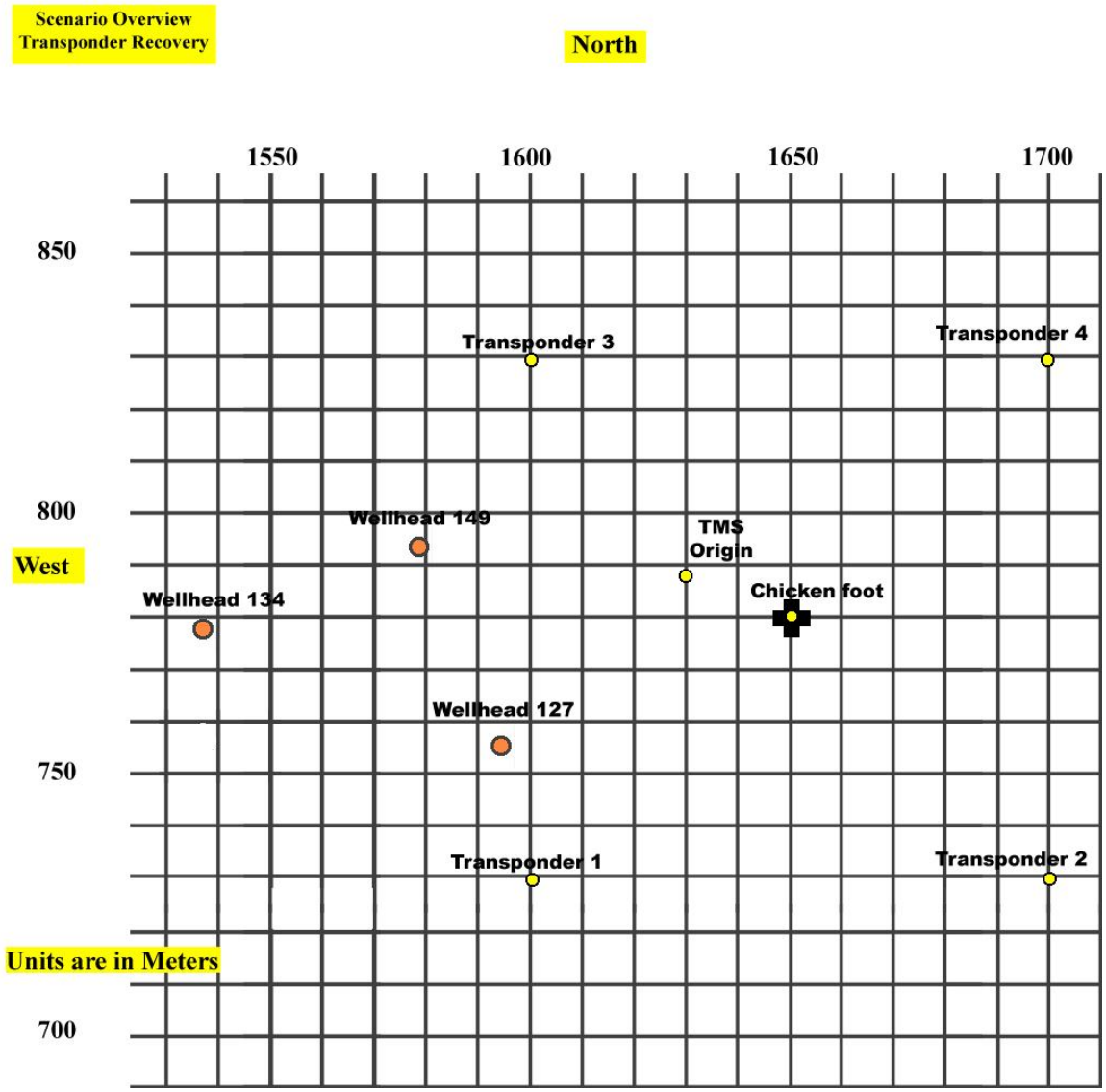
Repeat Steps 2-5 until all transponders have been replaced (T1, T2, T3, and T4 are on the chicken foot, and T5, T6, T7, and T8 have been distributed around the field).

6. Signal the surface ship to retrieve the chicken foot.

ROV Supervisor Name:

Date:

Comments:


Scenario Overview
Transponder Recovery
North
West
Units are in Meters
1550
1600
1650
1700
850
800
750
700
Transponder 3
Transponder 4
Wellhead 149
TMS
Origin
Chicken foot
Wellhead 134
Wellhead 127
Transponder 1
Transponder 2