



OBJECTIVE OVERLAY

WITH SUMMARY REPORT

VROV

VIRTUAL REMOTELY OPERATED VEHICLE

Objective Overlay is a training tool that, along with the Summary Report, provides feedback and records of pilot progress and competency in the course of their training. Dive plan objectives are displayed on the screen and update as the pilot performs each task to show the Last Completed, Current, and Next objectives.

Summary Report:

- Available upon completion of the mission to monitor progress, identify specific problem areas, and to display pilot competency.
- Lists each step in the dive plan, if it was completed, the time each step was completed, and the environmental conditions the scenario was performed in (current, visibility, etc.).
- Allows students / trainees to independently keep track of training hours and progress without having an instructor present.

Scenario: 1.5-THSLockAndTest
Mission Time: 0:49:31

1.5-THSLockAndTest_UHD
This scenario is designed to practice locking down a Tubing Head Spool to a wellhead and testing the seal.

Last Completed Objective:
11. Retrieve the T-Handle Tool from the ROV skid and insert it into the THTV valve.

Current Objectives:
12. Lock the THTV valve by turning it 4.5 turns clockwise, and confirm the indicator inside the THTV valve moves to the closed position.

Next Objectives:
13. Return the T-Handle Tool to the ROV skid.

TMS Depth: 301.52m
Tether: 26.27m
Altimeter: 4.49m
Depth: 316.68m
Thruster Power: 100%

UHD
East: 1857 North: 808

HotStabPortA o
HotStabPortB o

AAV
PARK
THLU
THSU
THTV

N
295°
W. E
0.3
S

Summary Report

Date: March 25, 2009
 PilotID: Test Pilot
 Mission: 1.5-THSLockAndTest

Visibility: 16.0 Meters
 Water Current: 0.0 Knots
 Surface Action: 0.0 Beaufort

	Objective	Complete	Time
1	Unlatch from the TMS.	YES	0:00:00
2	Locate the subsea basket in the field and fly the ROV to its location.	YES	0:00:56
3	Retrieve the set of dual port hotstabs from the basket, placing one of them into the receptacle on the ROV skid.	YES	0:07:24
4	Locate the Tubing Head Spool in the field, which is landed on Wellhead 127 at position East:1853, North:808 and fly the ROV to its location.	YES	0:08:36
5	Locate the ROV panel on the East side of the Tubing Head Spool and insert the hotstab into the THLU receptacle.	YES	0:11:40
6	Inject pressure through Port A until the ROV indicator moves to the lock position. Confirm that the pressure gauge on the ROV reads 1550 ± 400psi.	YES	0:14:57
7	Release pressure, place the hotstab into the open receptacle on the ROV skid, and replace it with a dummy stab from one of the PARK receptacles.	YES	0:20:22
8	Retrieve the dual port hotstab from the ROV skid and insert it into the THST receptacle.	YES	0:21:56
9	Inject pressure through Port B until a pressure of 12,500 psi is reached.	YES	0:24:23
10	Release pressure and monitor for 5 minutes to ensure there is no loss in pressure.	YES	0:29:24
11	Retrieve the T-Handle Tool from the ROV skid and insert it into the THTV valve.	YES	0:36:52
12	Lock the THTV valve by turning it 4.5 turns clockwise, and confirm the indicator inside the THTV valve moves to the closed position.	NO	0:00:00
13	Return the T-Handle Tool to the ROV skid.	NO	0:00:00
14	Return the dual port hotstab to the ROV skid and replace it with the dummy stab remaining in a PARK receptacle.	NO	0:00:00
15	Return both hotstabs to their receptacles in the basket.	NO	0:00:00
16	Return and latch to the TMS.	NO	0:00:00

Pilot Competency Objectives

	Actual	Level 1	Level 2	Level 3
Total Time:	0:49:31	0:45:00	0:30:00	0:15:00
Visibility:	16.0	16.0	8.0	2.0
Water Current	0.0	0.0	0.5	1.0
Surface Action:	0.0	0.0	2.0	5.0

Submitted: _____

Approved: _____