New Offshore Pipeline Installations – Pacific OCS Region

Theresa Bell
Petroleum Engineer

BSEE
Bureau of Safety and Environmental Enforcement

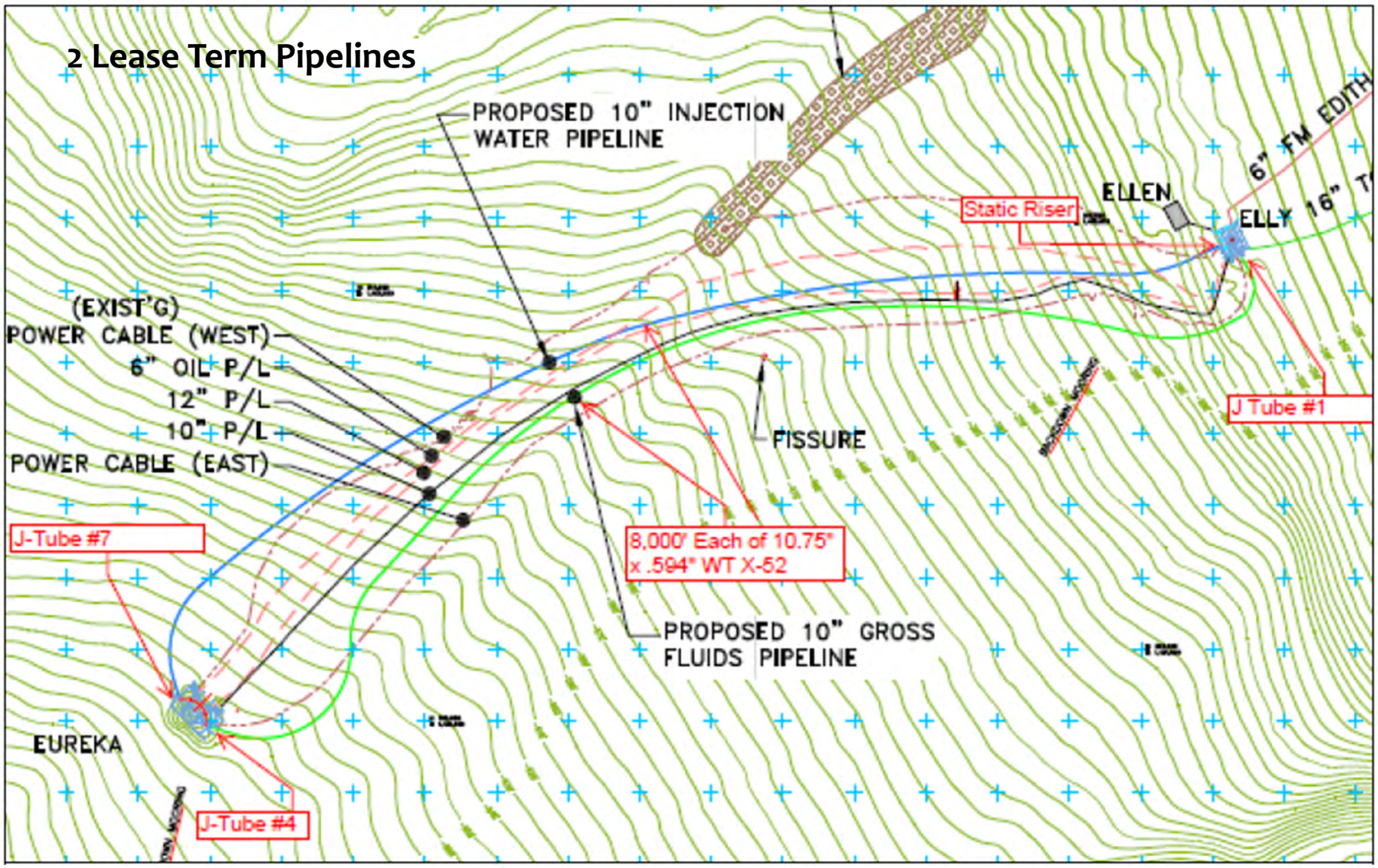
Prevention First
Long Beach, CA
October 2012

Bureau of Safety and Environmental Enforcement (BSEE)

MISSION:

BSEE works to promote safety, protect the environment, and conserve resources offshore through vigorous regulatory oversight and enforcement

2 Lease Term Pipelines

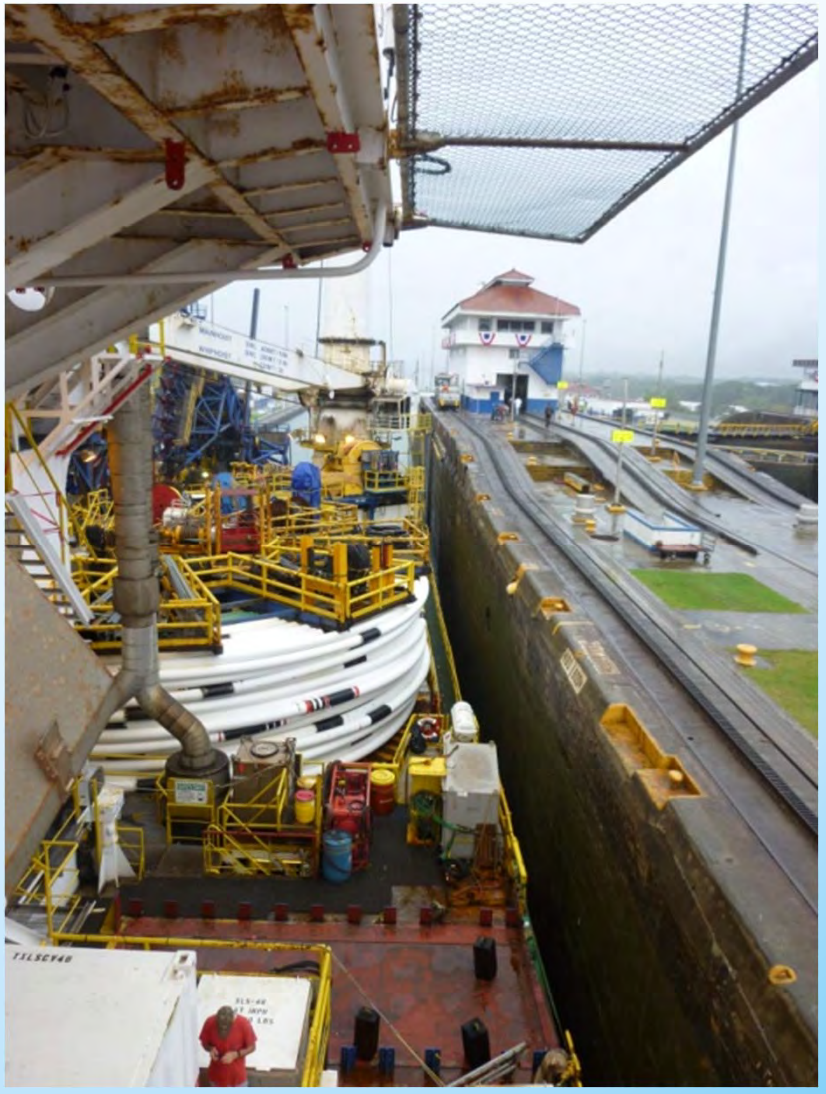


Beta Unit – Platform Eureka to Platform Elly Oil and Water Pipelines

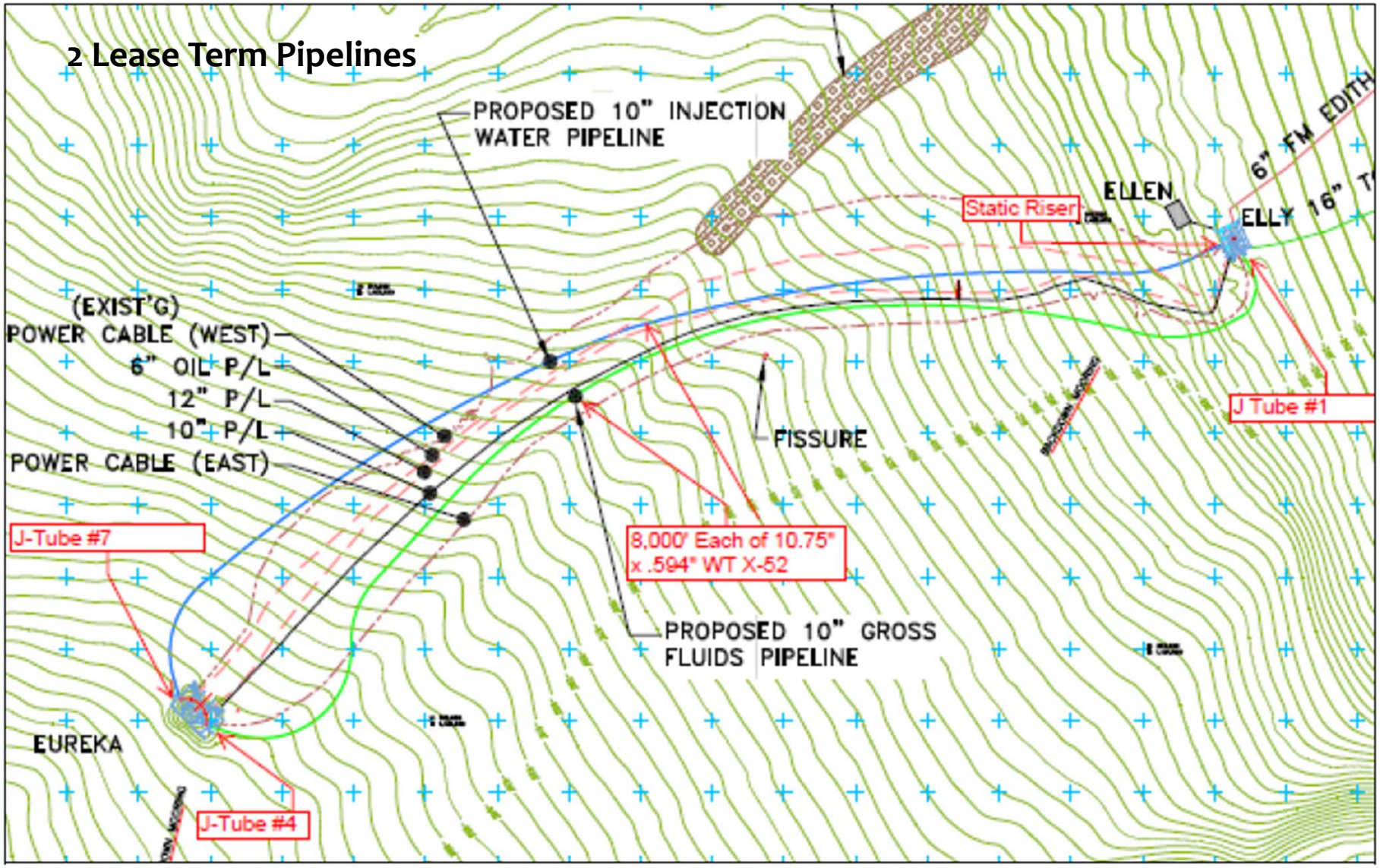
* Two Replacement Pipelines - Oil and Water
* No lost time accidents
* Allows Eureka to return to full production
* Completed in December 2011

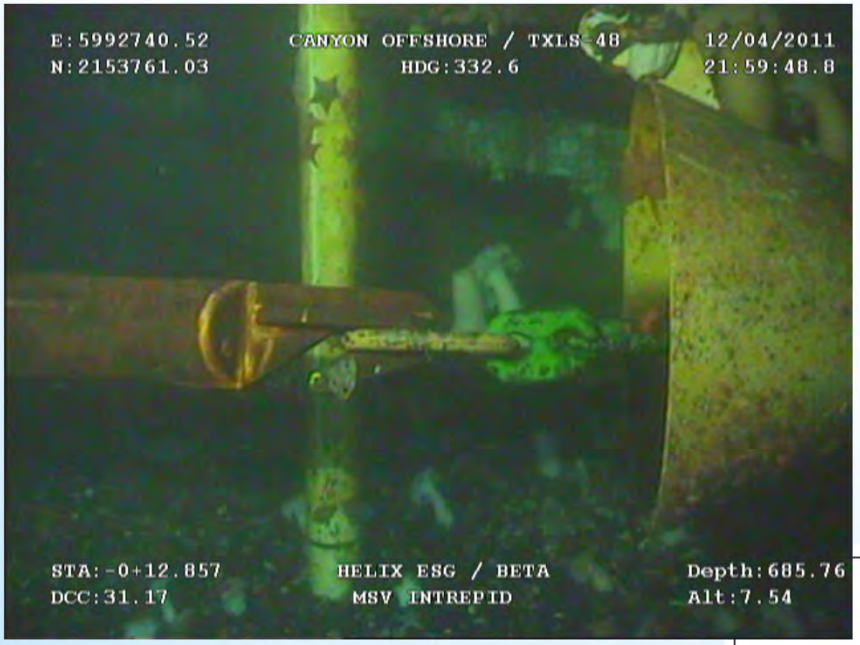
	Outside Dia.	Wall Thickness	Water Depth	Route Length
Risers	10.75 in	0.719 in	750-250 ft	
Each Pipeline	10.75 in	0.594 in	750-250 ft	~9,500 ft

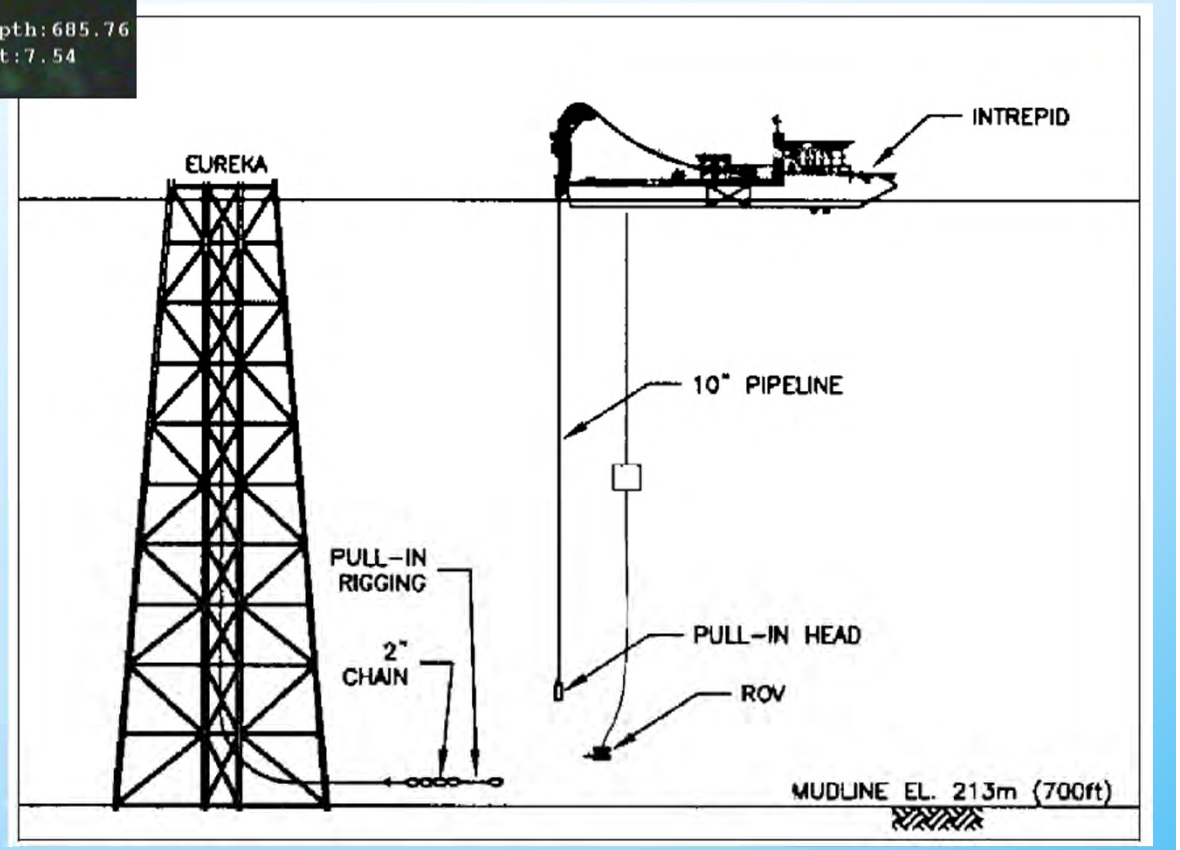
- Length – 381 ft
- Dynamically Position Vessel
- 4 Main Diesel engines - Wartsila 8L26A diesel engine driving Leroy-Somer generators each with a rating of 6,600v, 60Hz @ 900 RPM

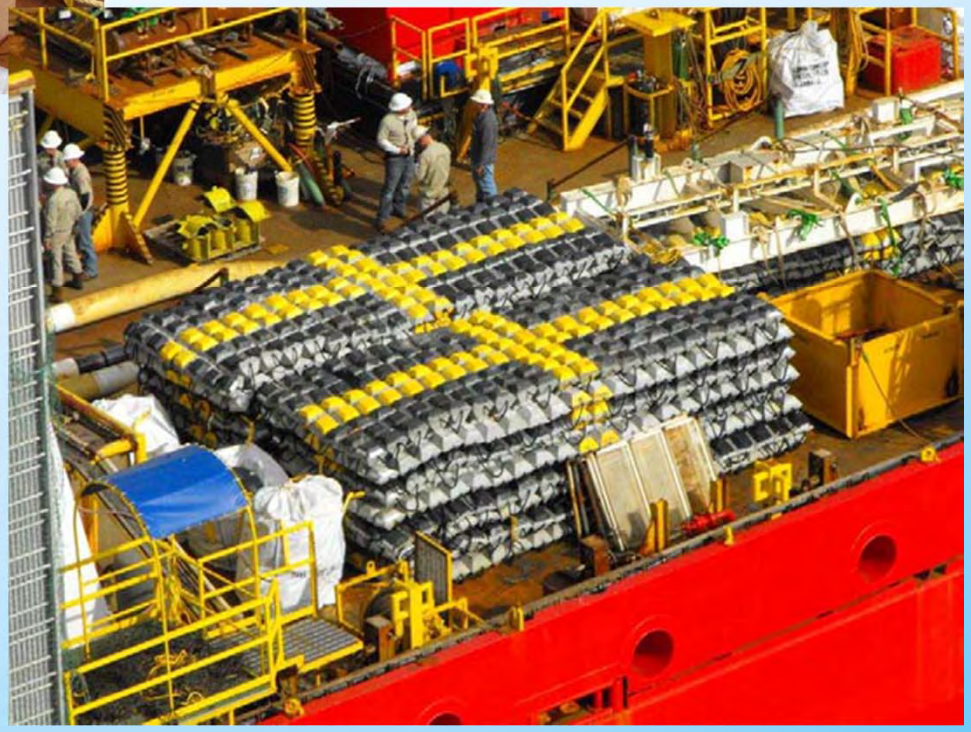


2 Lease Term Pipelines



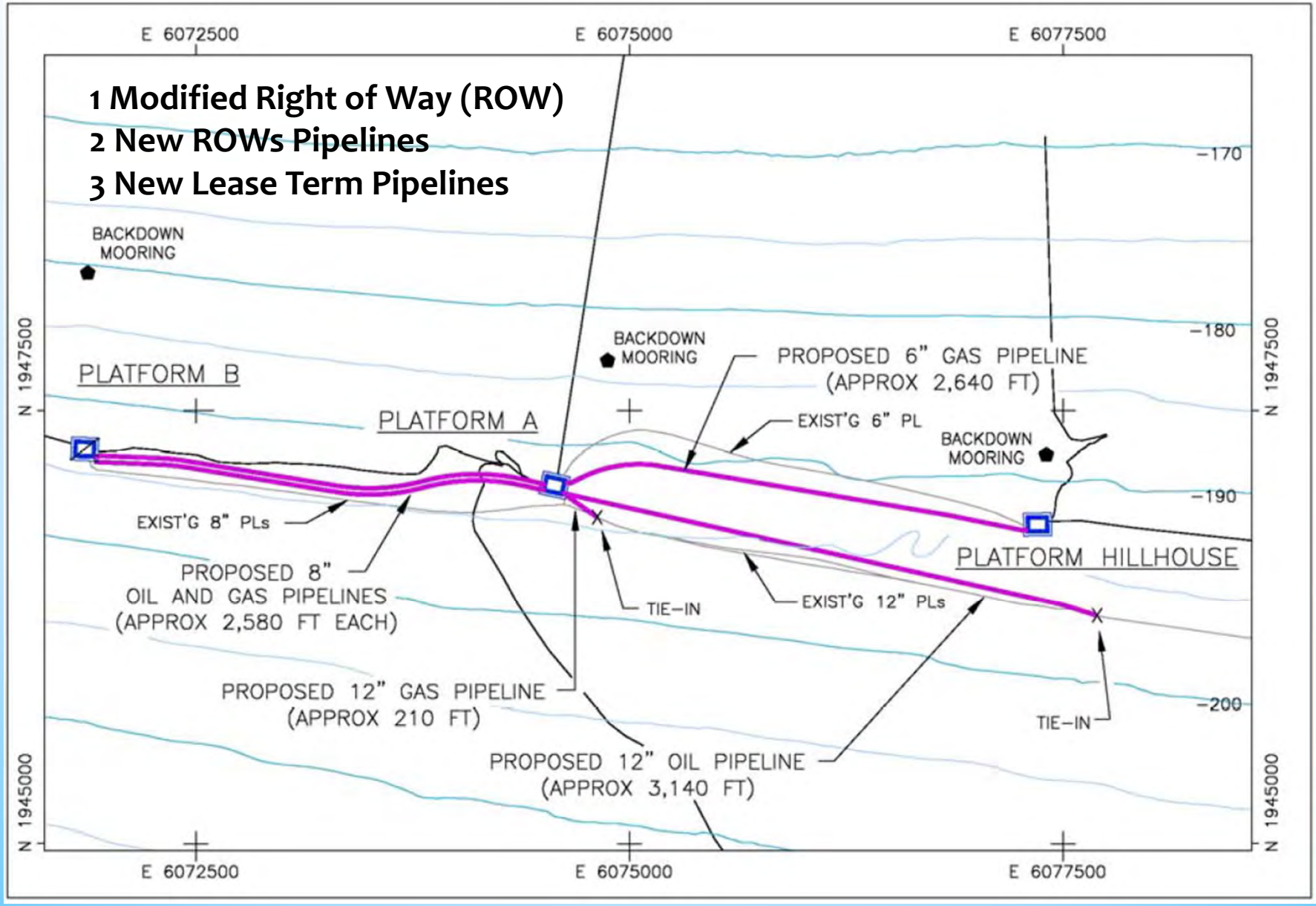

E:5992740.52
N:2153761.03
CANYON OFFSHORE / TXLS-48
HDG:332.6
12/04/2011
21:59:48.8
STA:-0+12.857
DCC:31.17
HELIX ESG / BETA
MSV INTREPID
Depth:685.76
Alt:7.54


INTREPID
EUREKA
10" PIPELINE
PULL-IN RIGGING
2" CHAIN
PULL-IN HEAD
ROV
MUDLINE EL. 213m (700ft)



Dos Cuadras Pipelines

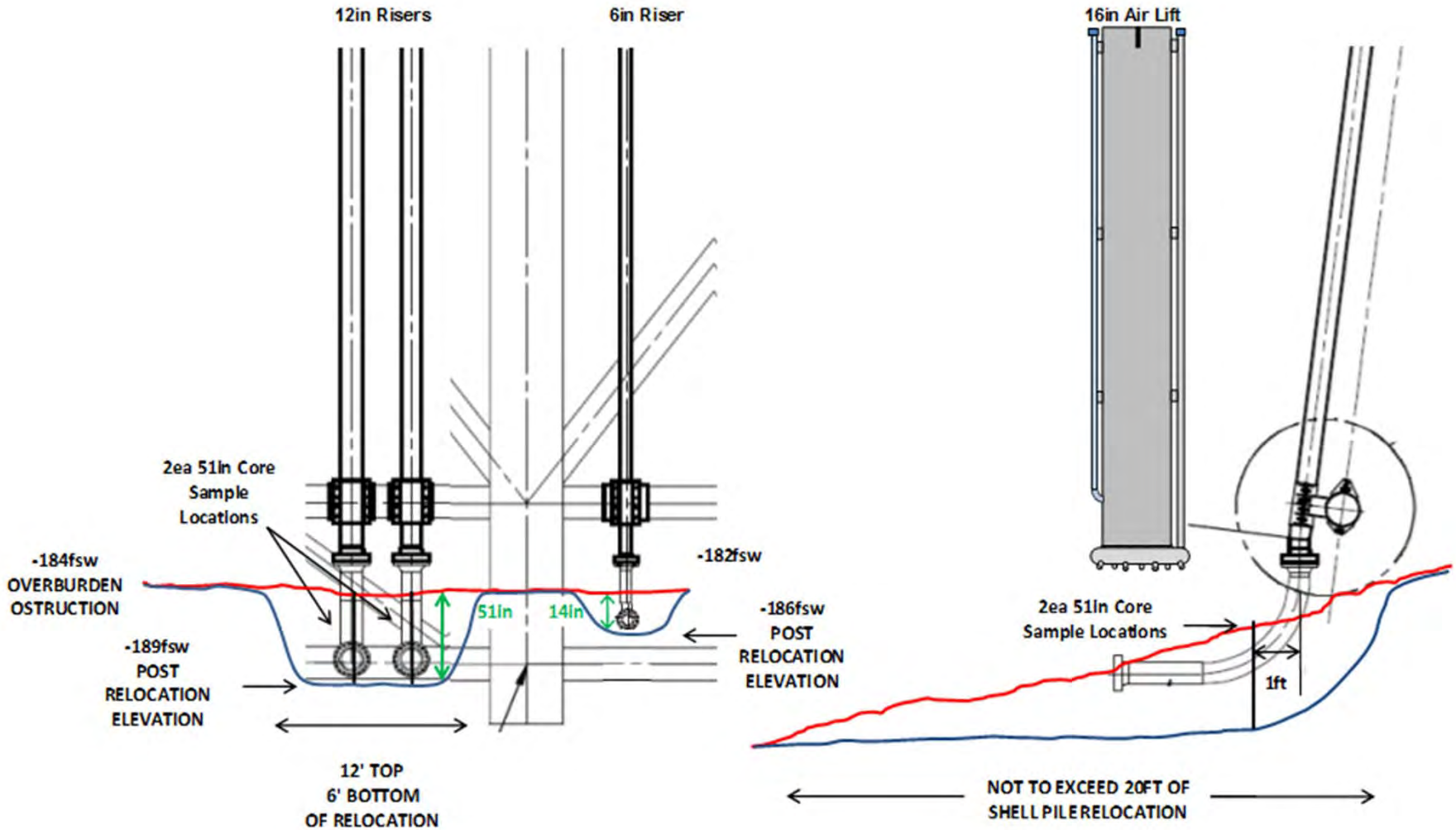
* 5 Pipelines; 12" oil and gas tie-ins, 8" oil and gas (P/F A-B), 6" gas
* Reconfigures the Platform A and B pipelines to make them "smart piggable" and removes the majority of the wall loss anomalies.
* Replaces portions with wall loss anomalies of more than 60%
* No loss time accidents
* Completed in February 2012


1 Modified Right of Way (ROW)
2 New ROWs Pipelines
3 New Lease Term Pipelines
E 6072500
E 6075000
E 6077500
N 1947500
N 1945000
-170
-180
-190
-200
BACKDOWN MOORING
BACKDOWN MOORING
BACKDOWN MOORING
PLATFORM B
PLATFORM A
PLATFORM HILLHOUSE
PROPOSED 6" GAS PIPELINE (APPROX 2,640 FT)
EXIST'G 6" PL
EXIST'G 8" PLs
PROPOSED 8" OIL AND GAS PIPELINES (APPROX 2,580 FT EACH)
TIE-IN
EXIST'G 12" PLs
TIE-IN
PROPOSED 12" GAS PIPELINE (APPROX 210 FT)
PROPOSED 12" OIL PIPELINE (APPROX 3,140 FT)

Dos Cuadras Pipelines

* Three Replacement Pipelines
* Two New Sections with Sub-Sea Connections

Pipeline and Risers	OD	Wall Thickness	Water Depth	Route Length
Hillhouse to A Gas	6.65 in	0.432 in	190-200 ft	2,661 ft
B to A Oil	8.625 in	0.5 in	190-200 ft	2,599 ft
B to A Gas	8.625 in	0.5 in	190-200 ft	2,599 ft
A to Sub-Sea Oil	12.75 in	0.5 in	190-200 ft	3,069 ft
A to Sub-Sea Gas	12.75 in	0.5 in	190-200 ft	541 ft



AQUEOS
1010 Millstone Road, Suite D
Broussard, La 70518
(337) 839-1552

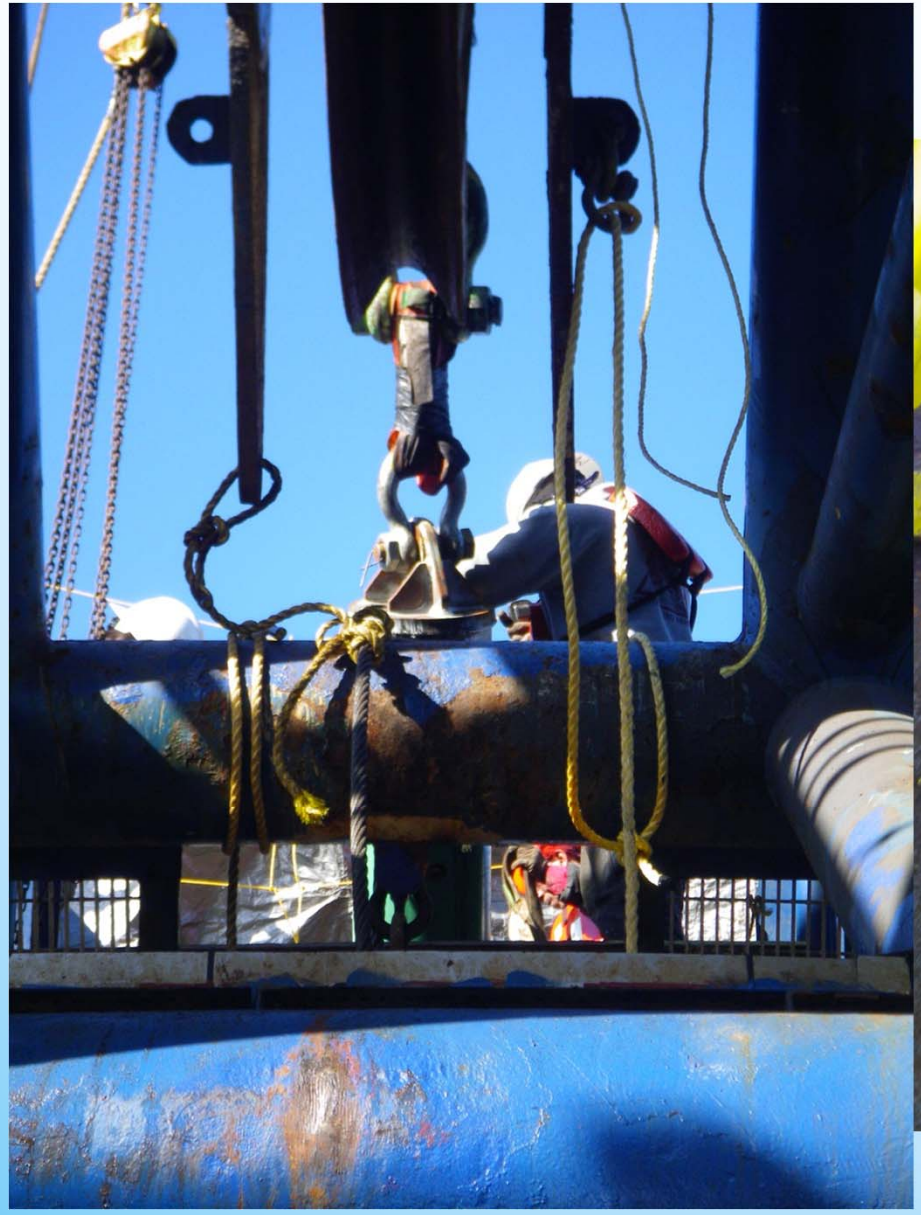
For: DCOR Platform A

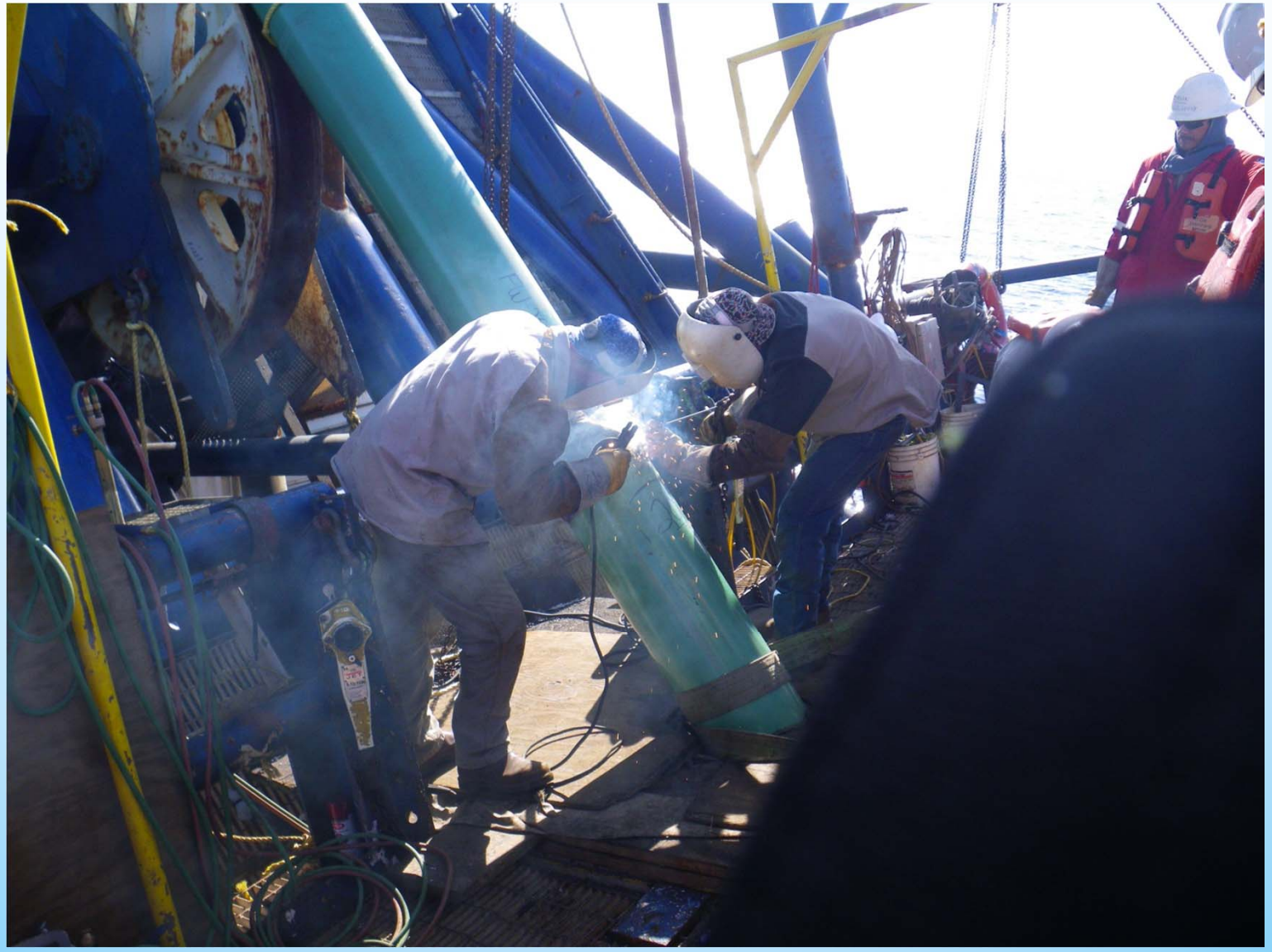
Project: 12in Riser Shell Pile Relocation

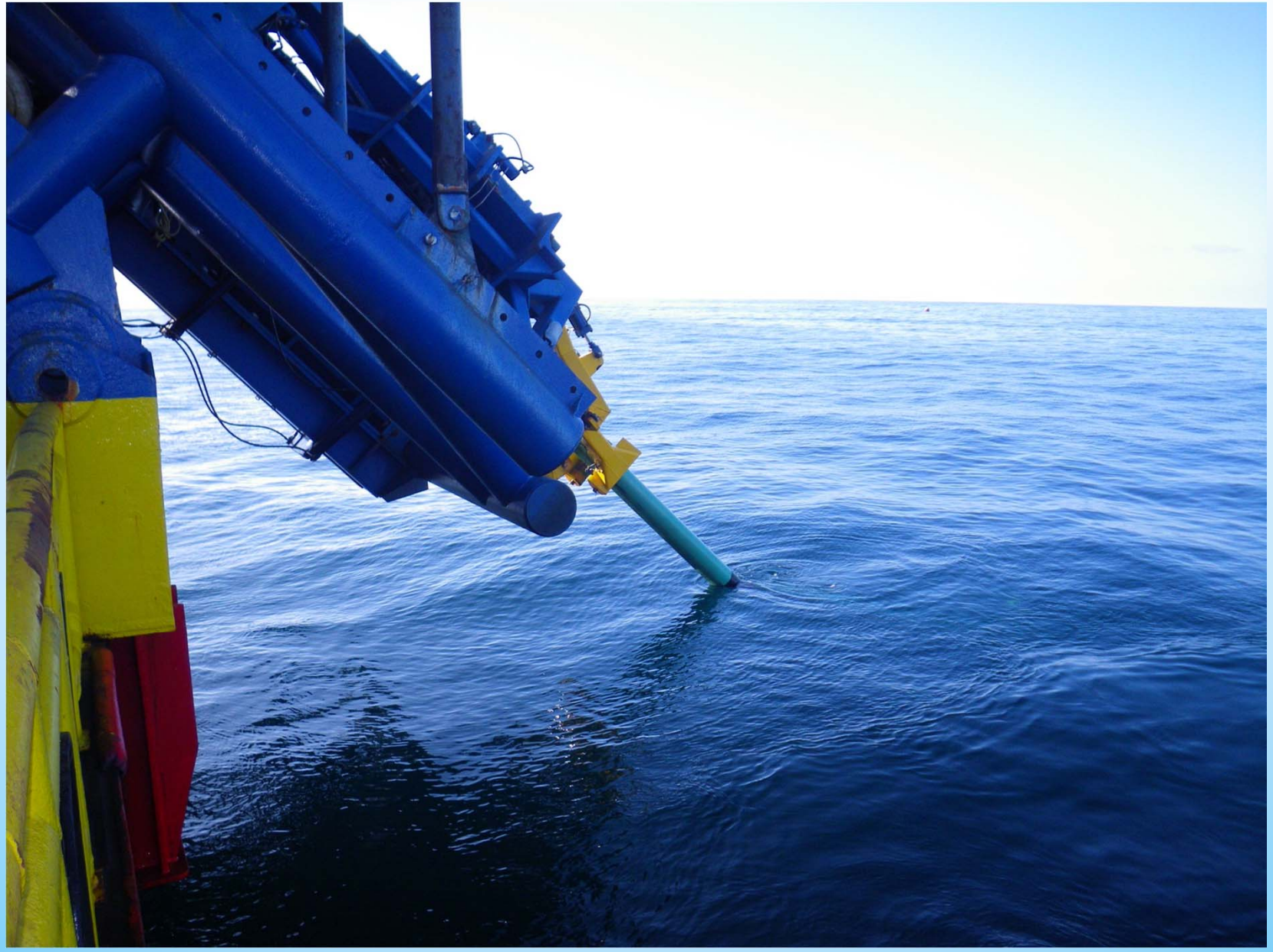
Title: Proposed Relocation Zone

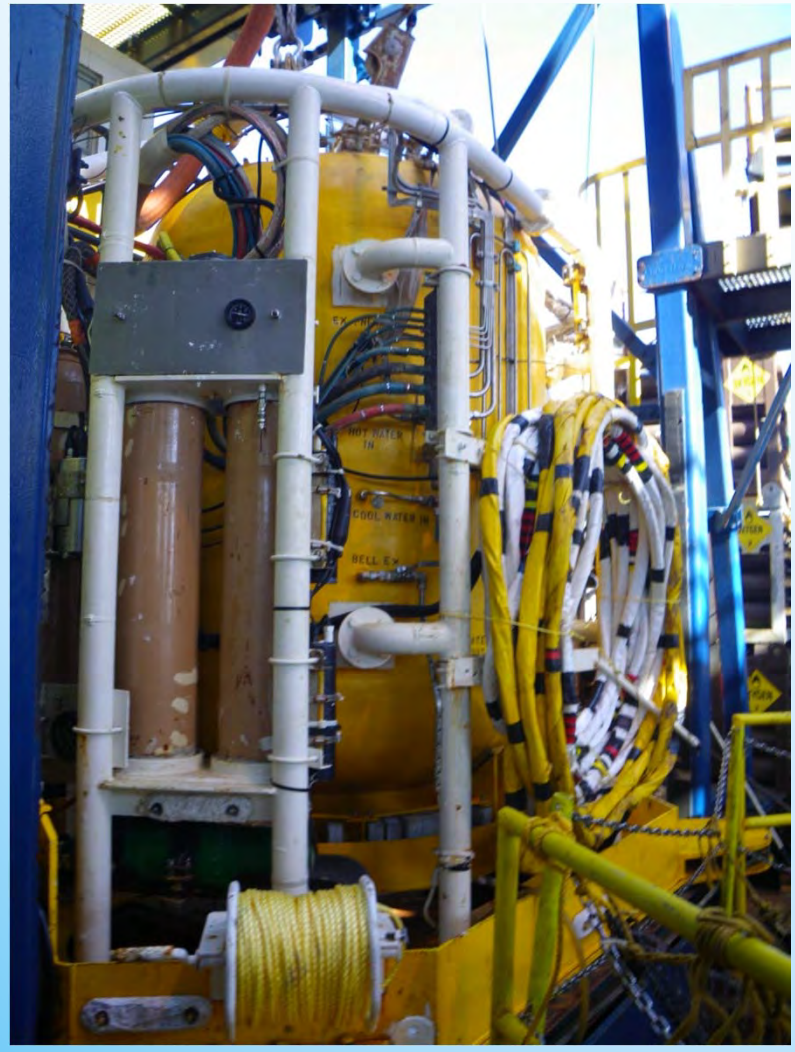

HELIX ESG
INTREPID


CAM 003
acer
AIR DIVE STATION
PLET PORCH
HIPAP
LAY TOWER








COOL WATER IN
BELL EX


www.bsee.gov