

New Offshore Pipeline Installations – Pacific OCS Region

Theresa Bell
Petroleum Engineer



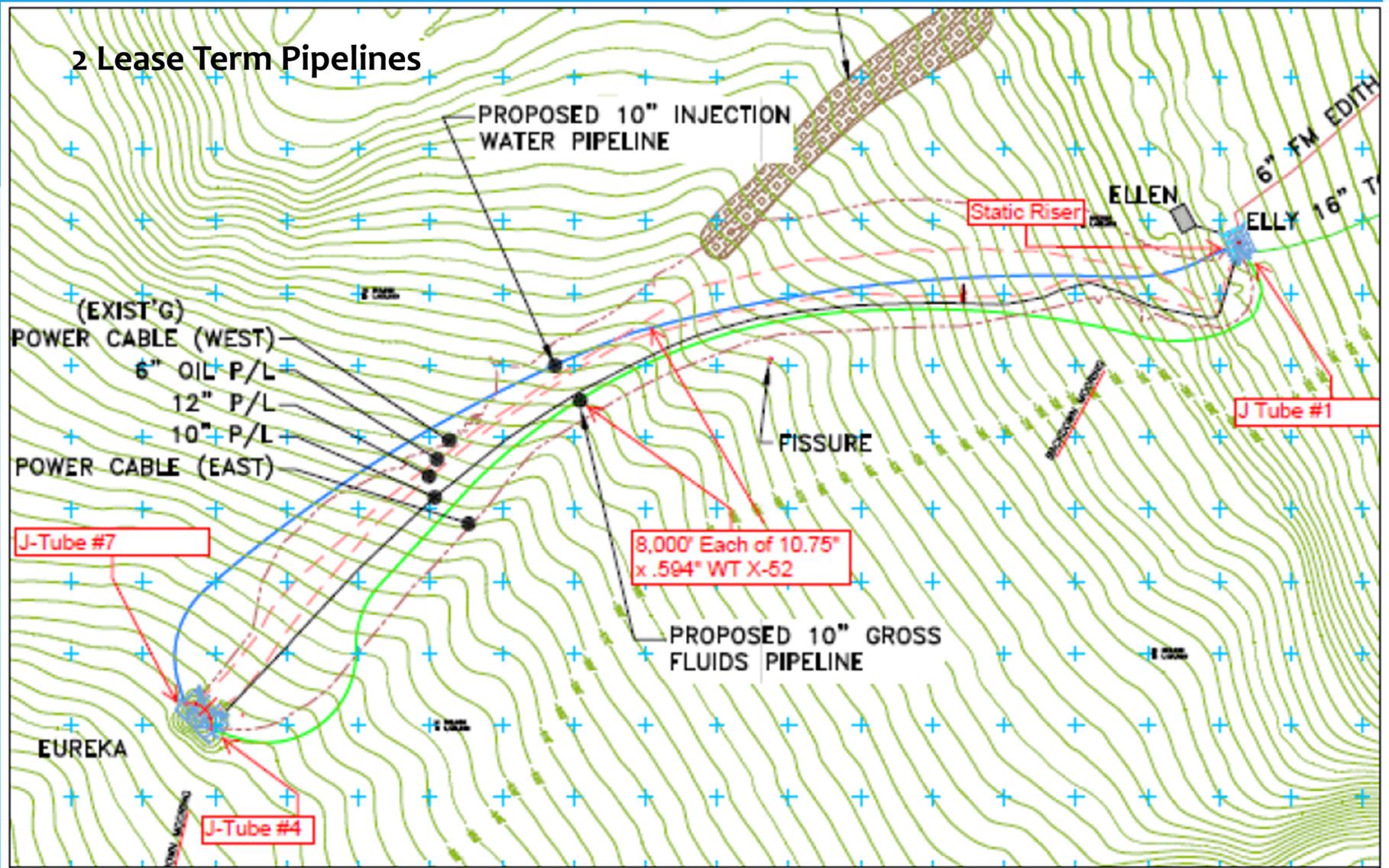
Prevention First
Long Beach, CA
October 2012

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

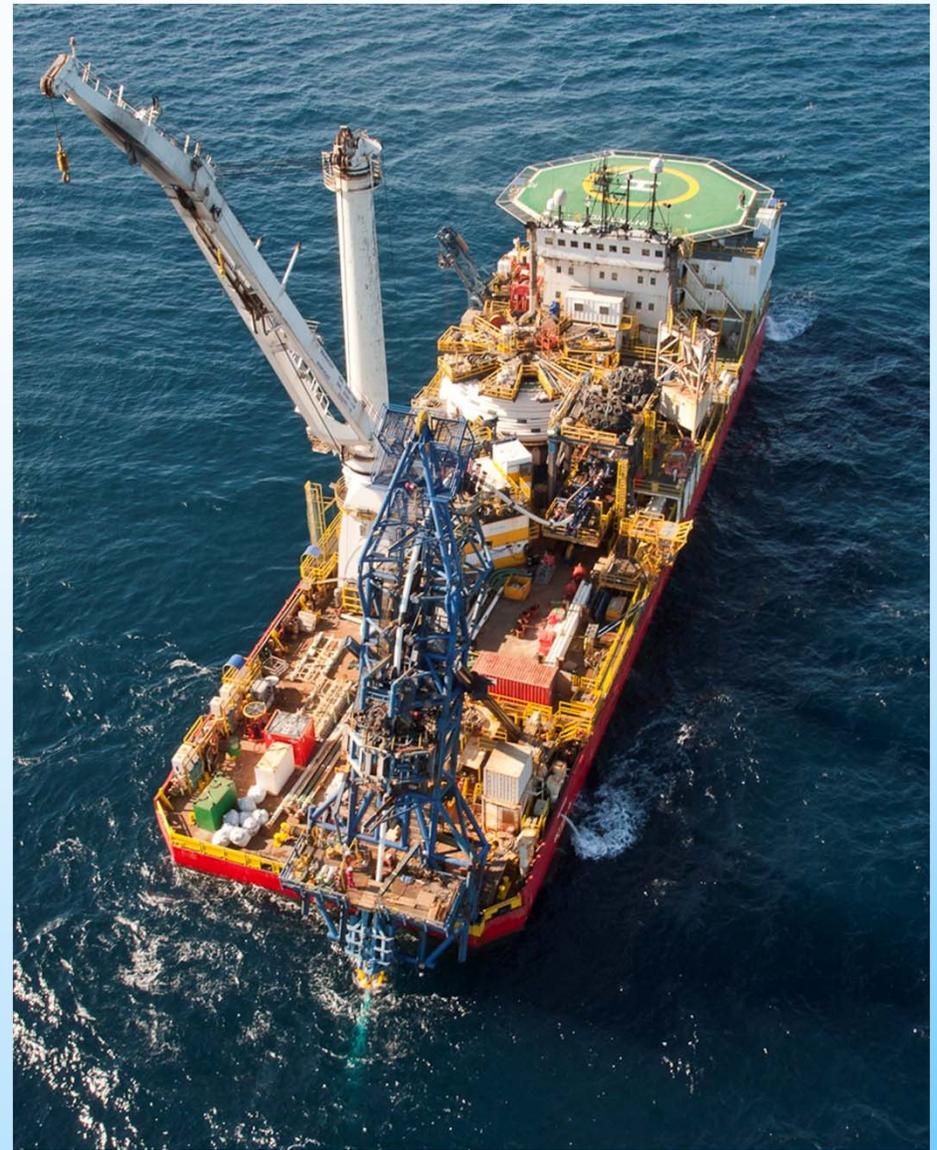


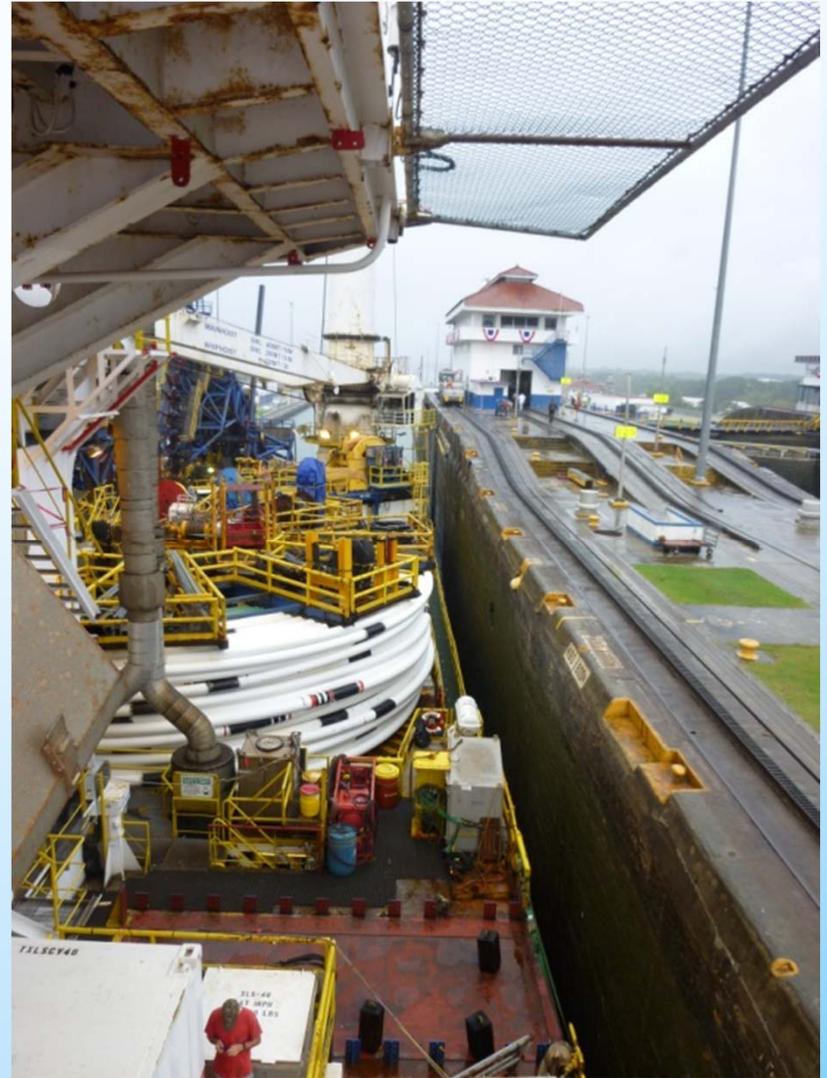
Beta Unit – Platform Eureka to Platform Elly Oil and Water Pipelines

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

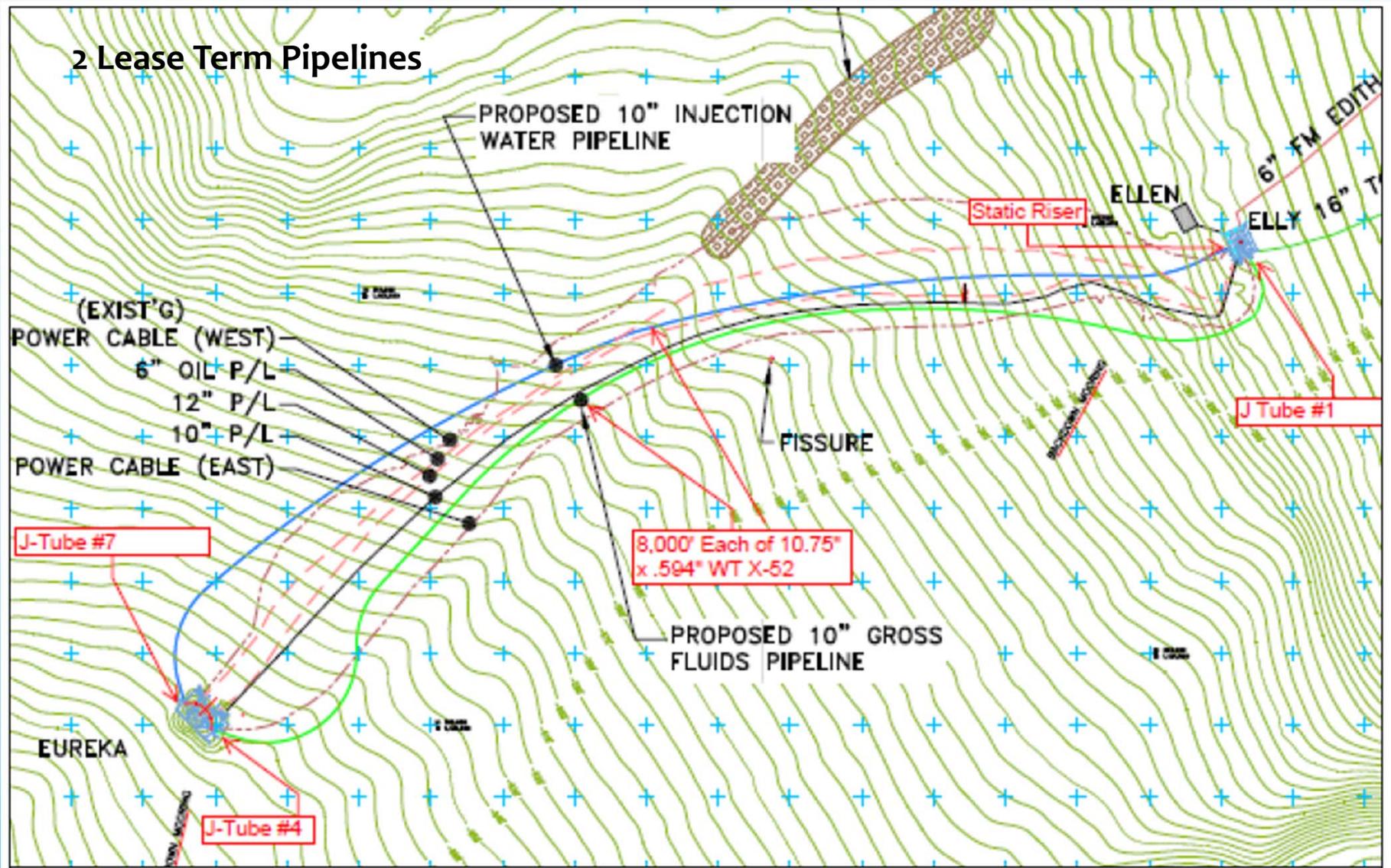
	Outside Dia.	Wall Thickness	Water Depth	Route Length
Risers	10.75 in	0.719 in	750-250 ft	
Each Pipeline	10.75 in	0.594 in	750-250 ft	~9,500 ft

- 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

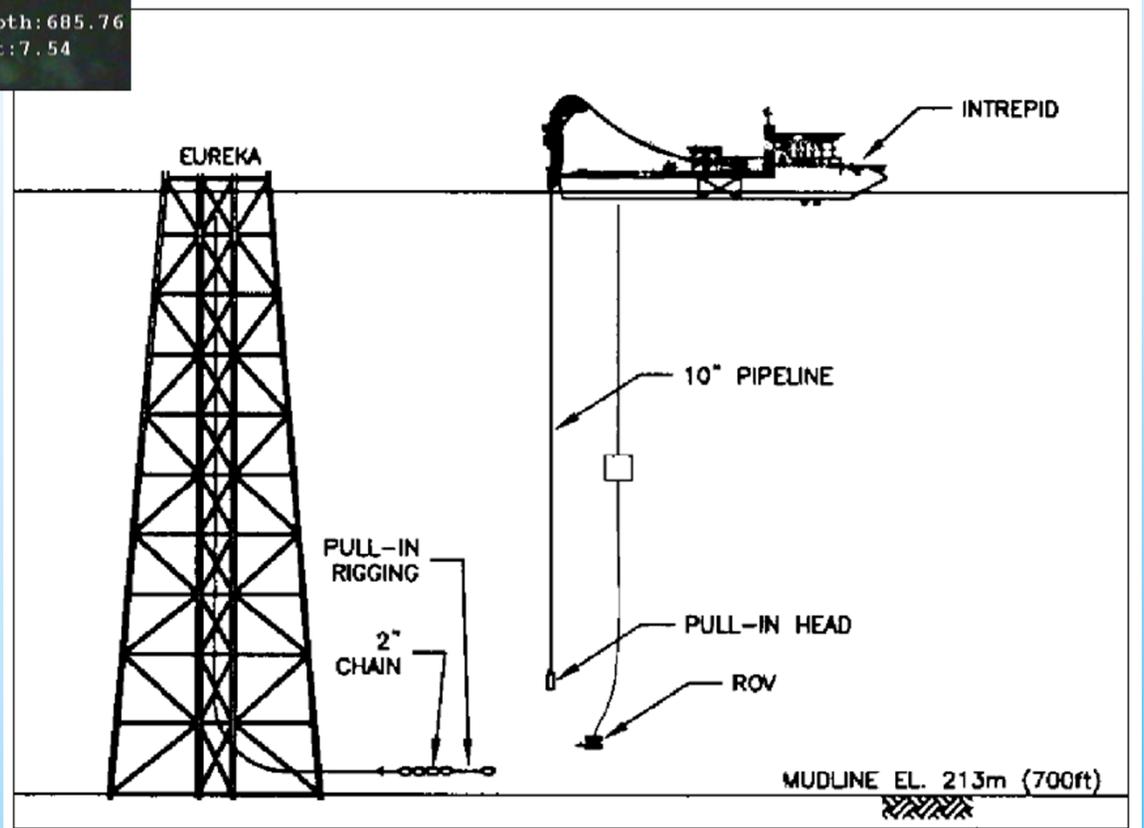
CANYON OFFSHORE / TXLS-48
HDG: 332.6

12/04/2011
21:59:48.8

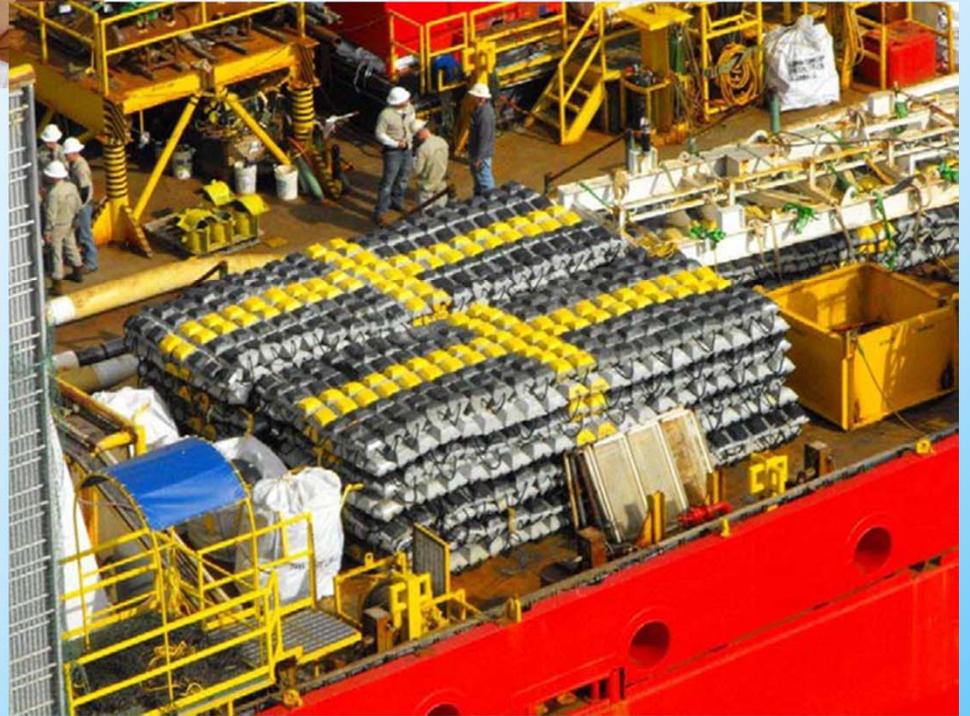
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HELIX ESG / BETA
MSV INTREPID

Depth: 685.76
Alt: 7.54



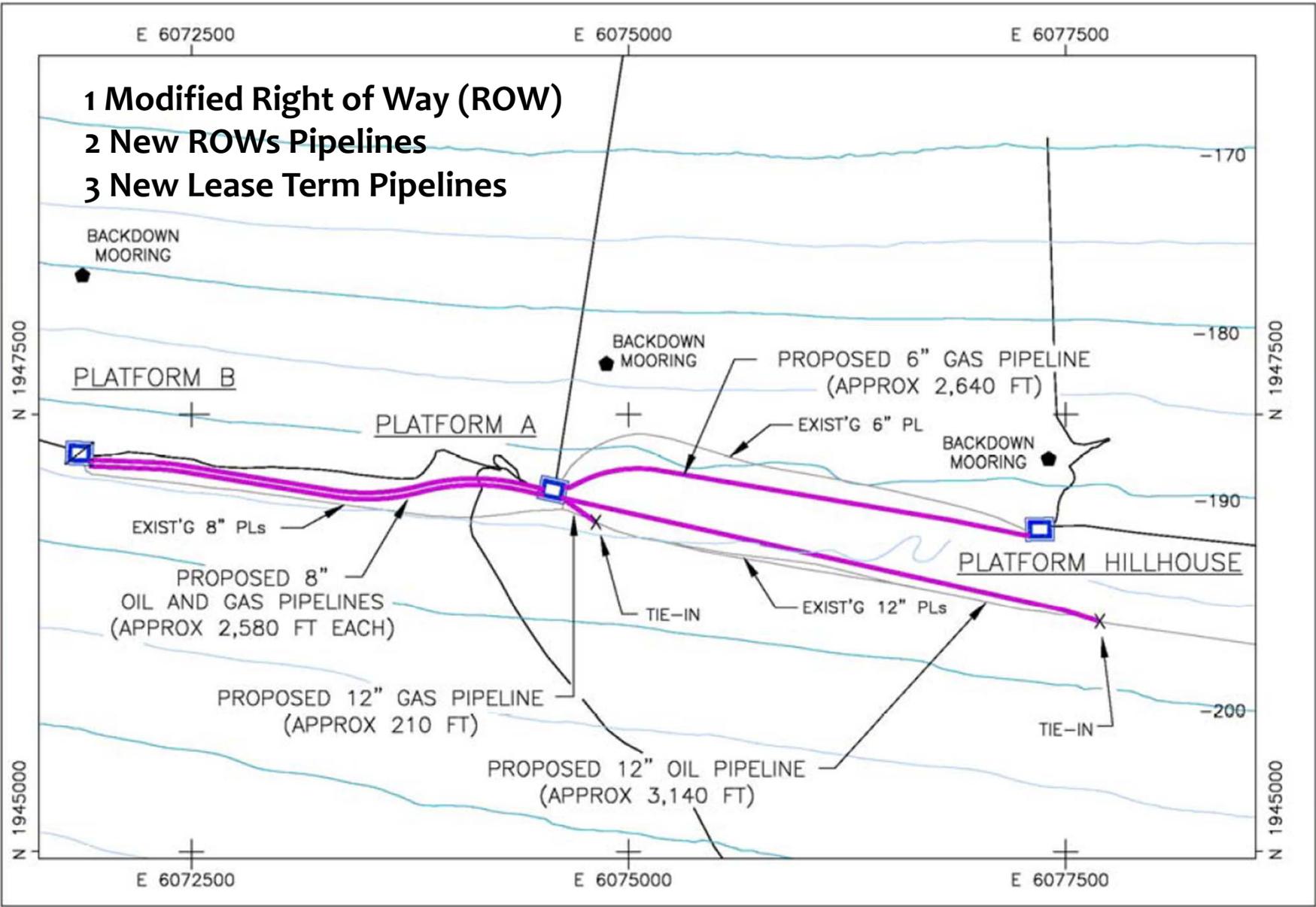




Dos Cuadras Pipelines

- * 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

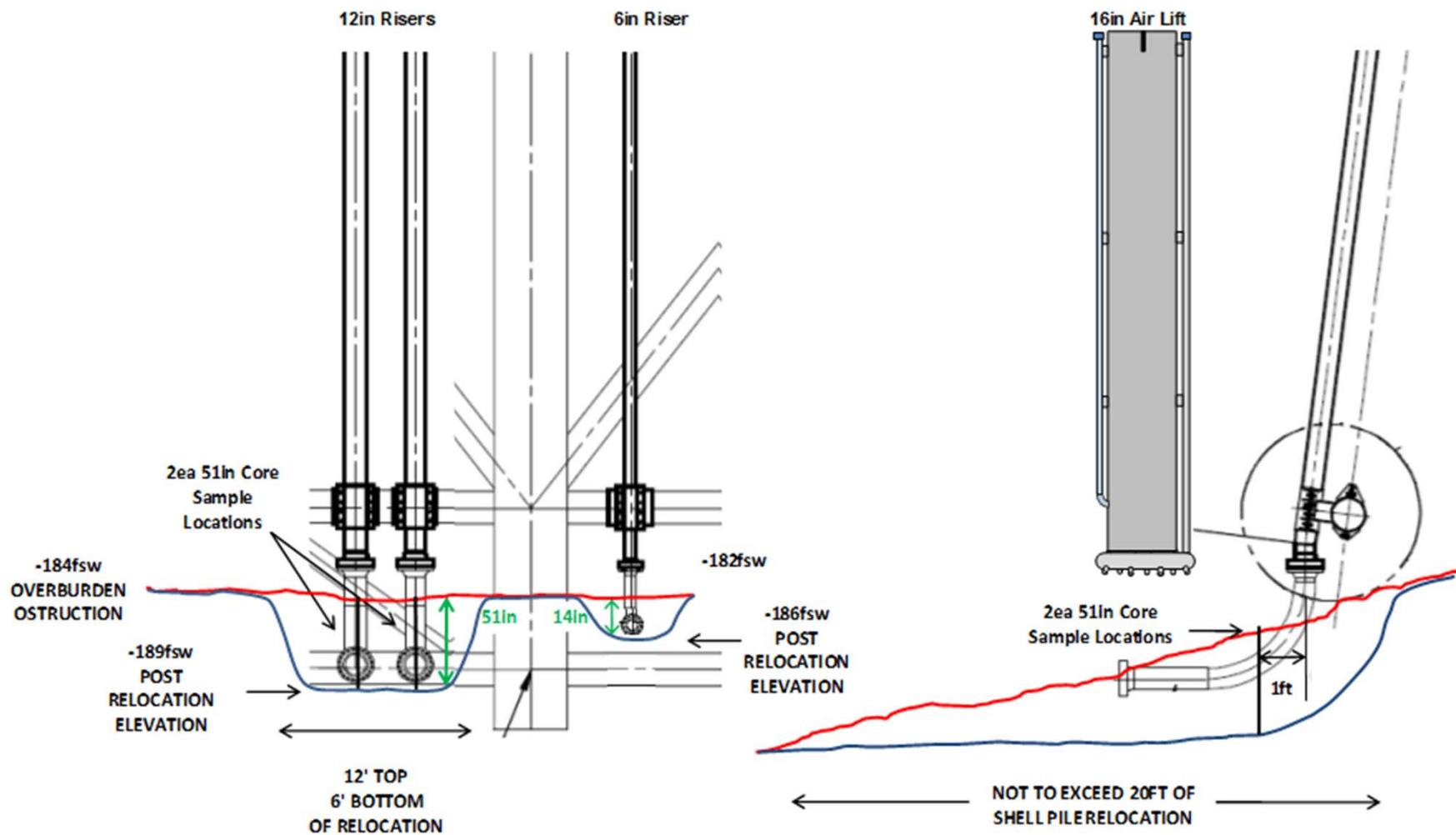
- 1 Modified Right of Way (ROW)
- 2 New ROWs Pipelines
- 3 New Lease Term Pipelines



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

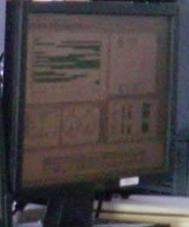


1010 Millstone Road, Suite D
Broussard, La 70518
(337) 839-1552

For: DCOR Platform A
Project: 12in Riser Shell Pile Relocation

Title: Proposed Relocation Zone





AIR GIVE STATION X=10m Y=10.27m
PLET BORGCH X=48m Y=-6.5m
HIPAP X=2.69m Y=11.83m
LAY TOWERX=49m Y=5.5m

AIR GIVE STATION X=10m Y=10.27m
PLET BORGCH X=48m Y=-6.5m
HIPAP X=2.69m Y=11.83m
LAY TOWERX=49m Y=5.5m

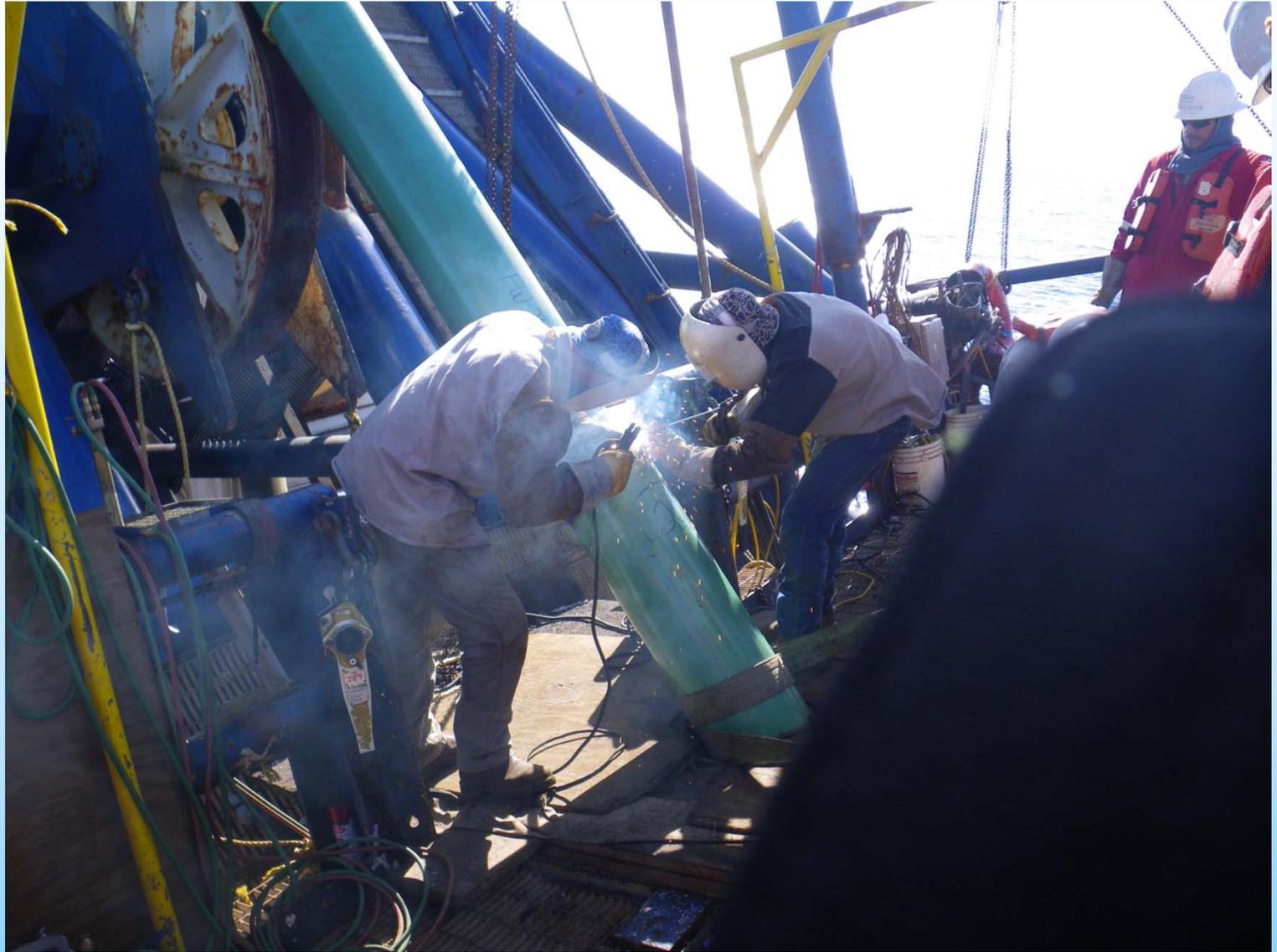
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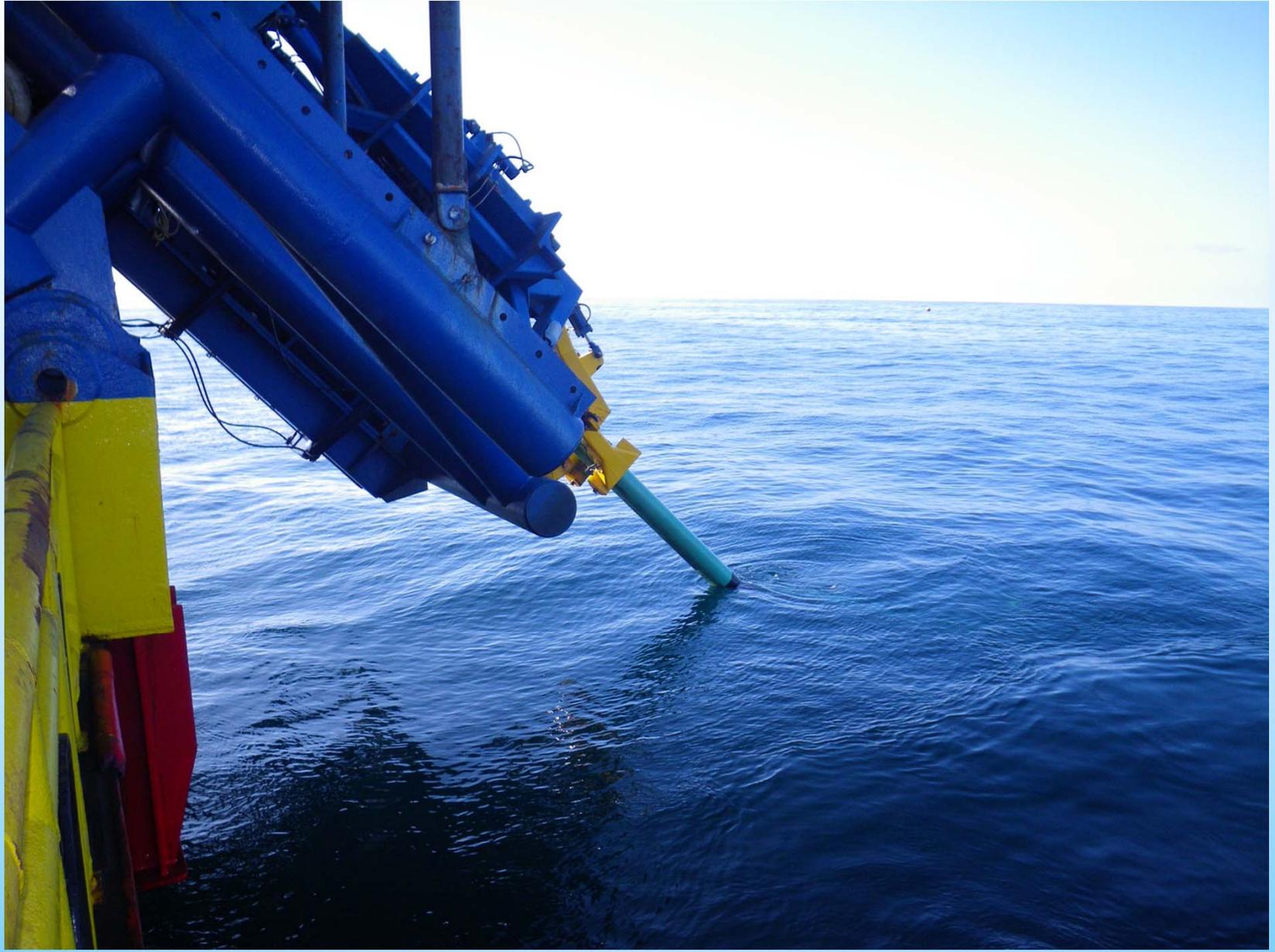
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