

LIBERTY PROJECT

libertyenergyproject.com

PROJECT PARTNERS



LIBERTY PROJECT



Hilcorp Alaska

50%

bp



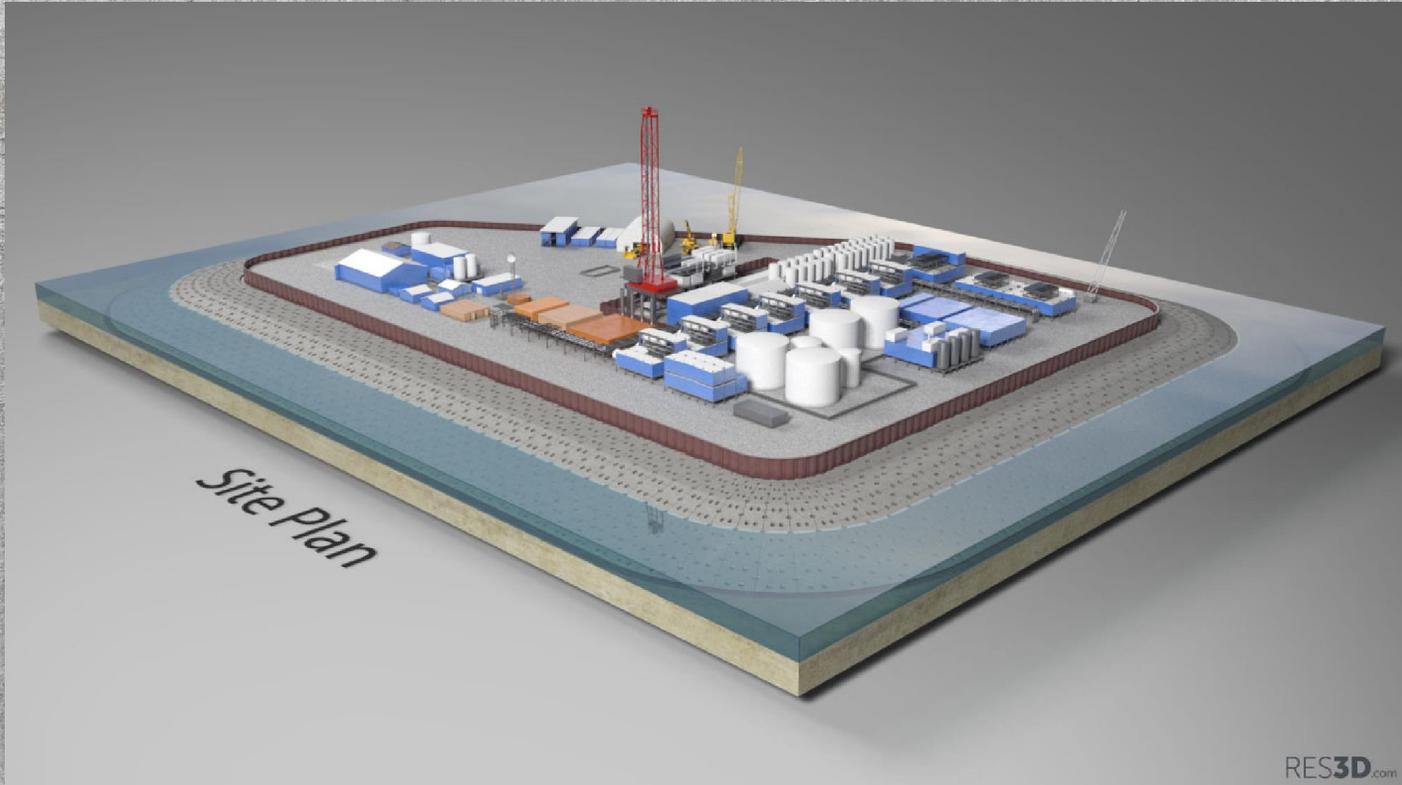
40%



AEX
ASRC EXPLORATION

10%

Review: ISLAND CONSTRUCTION

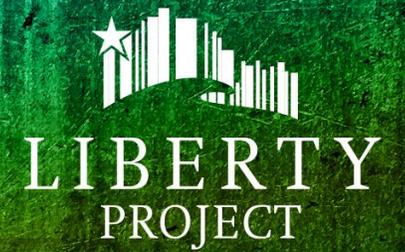


9.3 ACRE GRAVEL PAD

SUBSEA PIPELINE

MODELED AFTER NORTHSTAR

Review: PROVEN TECHNOLOGY



OOOGURUK ISLAND

Operated by: Caelus
Constructed in 2007
Island Surface: 6 acres
Water Depth: 4.5 feet
Subsea Pipeline: 5.7 miles



NIKAITCHUQ ISLAND

Operated by: ENI Petroleum
Constructed in 2010
Island Surface: 11 acres
Water Depth: 8 feet
Subsea Pipeline: 3.8 miles



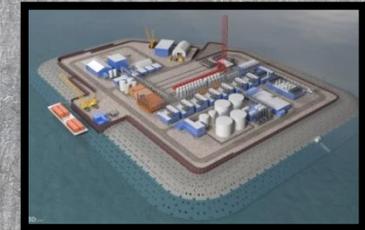
NORTHSTAR ISLAND

Operated by: Hilcorp
Constructed in 2000
Island Surface: 7 acres
Water Depth: 40 feet
Subsea Pipeline: 6 miles



ENDICOTT

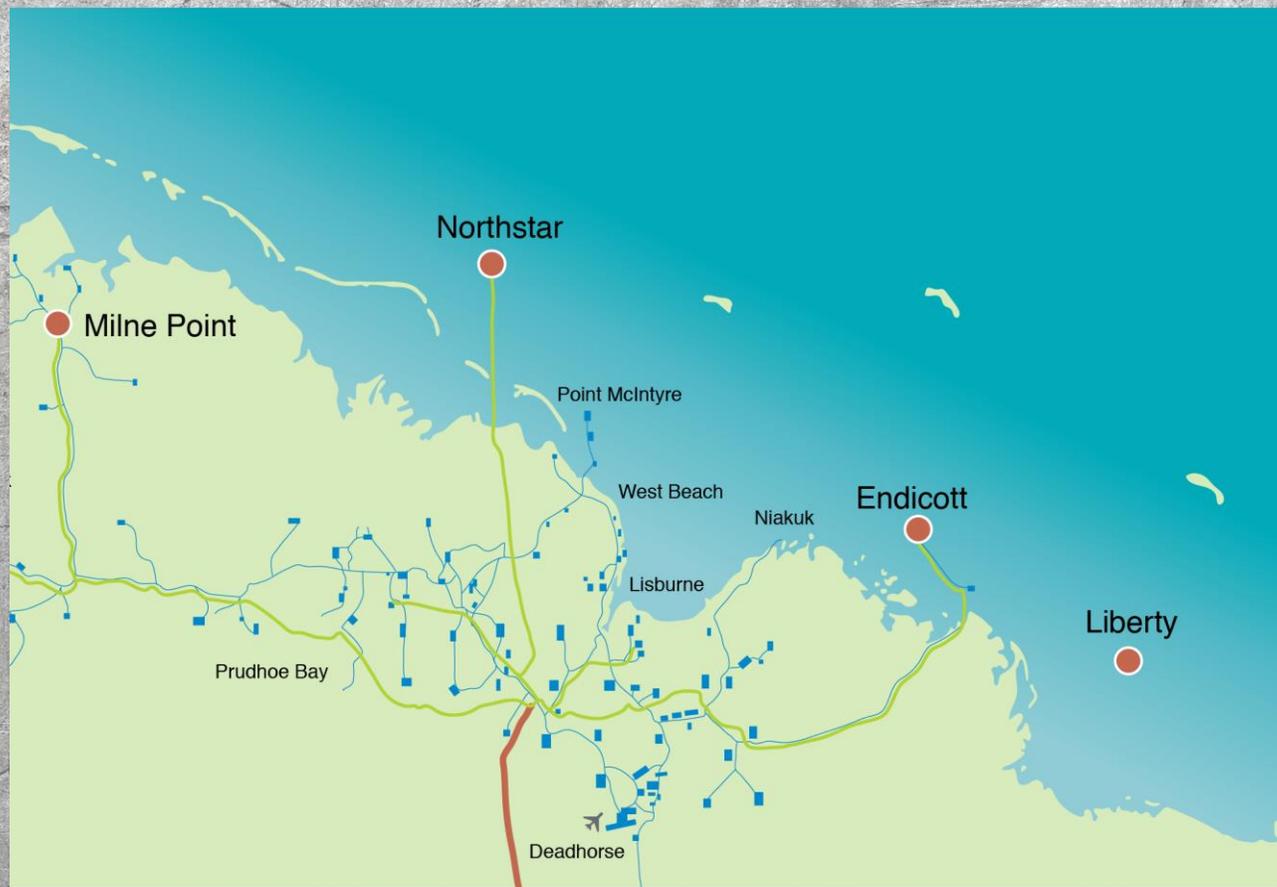
Operated by: Hilcorp
Constructed in 1987
Island/CW Surface: 45 acres
Water Depth: 4 - 10 feet
Subsea Pipeline: none



LIBERTY ISLAND

Operated by: Hilcorp
Construction: 2020 (tbd)
Island Surface: 9.3 acres
Water Depth: 19 feet
Subsea Pipeline: 5.6 miles

Review: LOCATION



15 MI. EAST OF PRUDHOE BAY

6 MI. OFFSHORE

19 FEET OF WATER

OCS LEASES

Review: PRODUCTION



LARGEST PROVEN
LIGHT OIL RESERVOIR
ON THE **NORTH SLOPE**

≈ 60,000
BARRELS/DAY
PEAK PRODUCTION

80-130
MILLION BARRELS
RECOVERABLE OIL

15-20 YEARS
OF OPERATION

Review: PROJECT BENEFITS



GOOD-PAYING **JOBS** FOR ALASKA

200 CONSTRUCTION JOBS

60-80 DRILLING JOBS

FULL-TIME OPERATIONS JOBS
FOR 20+ YEARS

NEW BUSINESS FOR ALASKA'S SUPPORT INDUSTRY

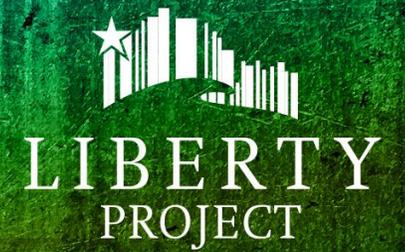
\$1 BILLION+
IN NEW INVESTMENT

60,000 BBL/DAY
OF LIGHT OIL TO TAPS

LOCAL TAX REVENUES FOR NSB
ROYALTY REVENUES FOR THE STATE

NEW REVENUE & PRODUCTION FOR AMERICA

ENVIRONMENTAL IMPACT STATEMENT



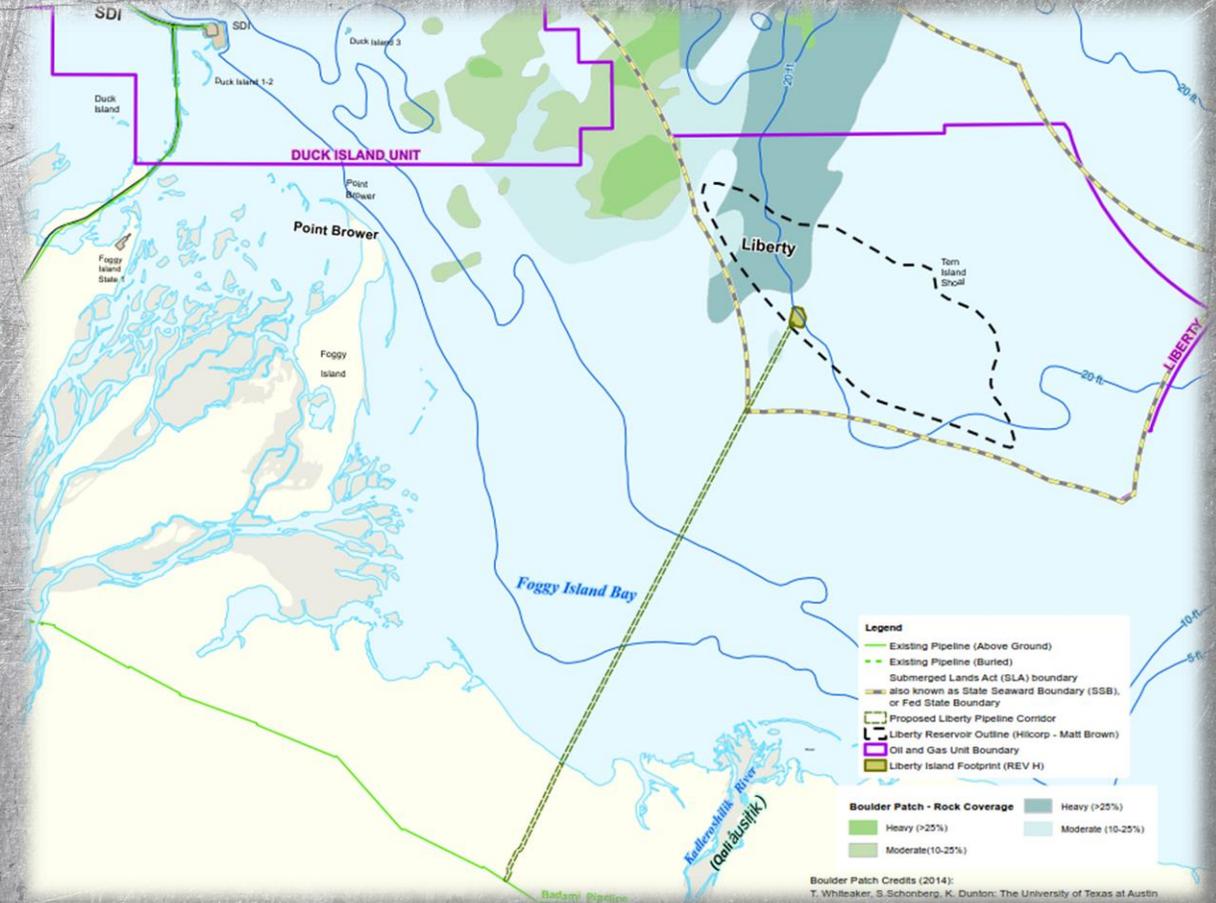
FINAL ENVIRONMENTAL IMPACT STATEMENT (EIS) PUBLISHED
AUGUST 31, 2018

RECORD OF DECISION EXPECTED BEFORE
NOVEMBER 1, 2018

THE EIS: WHAT TO KNOW

THE “PREFERRED” PROJECT DESCRIPTION WAS ADOPTED

1. Island is optimally located
 - Minimize drilling risks
 - Minimize impacts to boulder patch
 - Results in simple, proven design
2. Imposes seasonal drilling restrictions
3. Ensures environmental protection
4. Design is based on other offshore installations on the slope



WHERE ARE WE TODAY? PERMITTING



FEDERAL

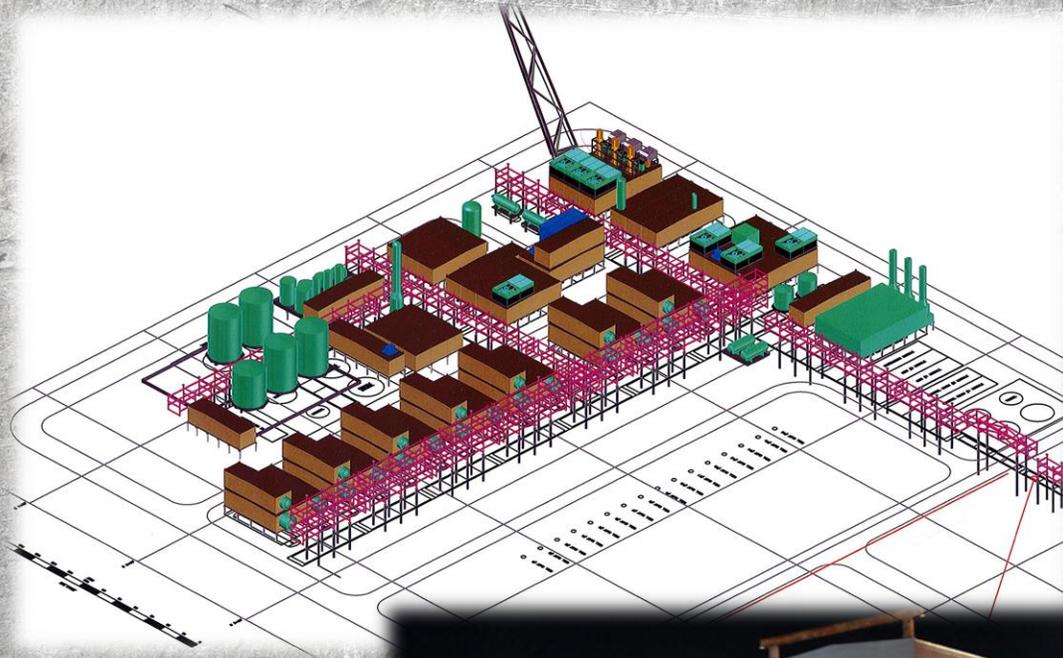
- EPA National Pollutant Discharge Elimination System: Fall 2018
- US Army Corps of Engineers Section 404: Q1 2019
- National Marine Fisheries Service Petition for Incidental Take Regulations:
In progress, on target for project start
- Pipeline and Hazardous Materials Safety Administration Special Permit: Q4 2018
- Bureau of Safety and Environmental Enforcement Oil Spill Response Plan: In progress

STATE & LOCAL

- Finalizing Department of Natural Resources Mine Site application for submittal this year
- State Pipeline Coordinator Service Right of Way Lease: In progress
- North Slope Borough Rezoning: Ongoing coordination meetings with Planning and Wildlife:
Will submit application after Record of Decision is published

PERMITTING ACTIVITIES WILL CONTINUE INTO 2019

WHERE ARE WE TODAY? FACILITY DESIGN



TRUCKABLE COMPONENTS

- Utilizes off-the-shelf sizing, proven designs
- Leverages vendor knowledge and expertise
- Employs common engineering designs
- Reduces excess structural steel
- Much less expensive than single train modules
- 14'x14'x80' - 160,000 lbs. shipping limits

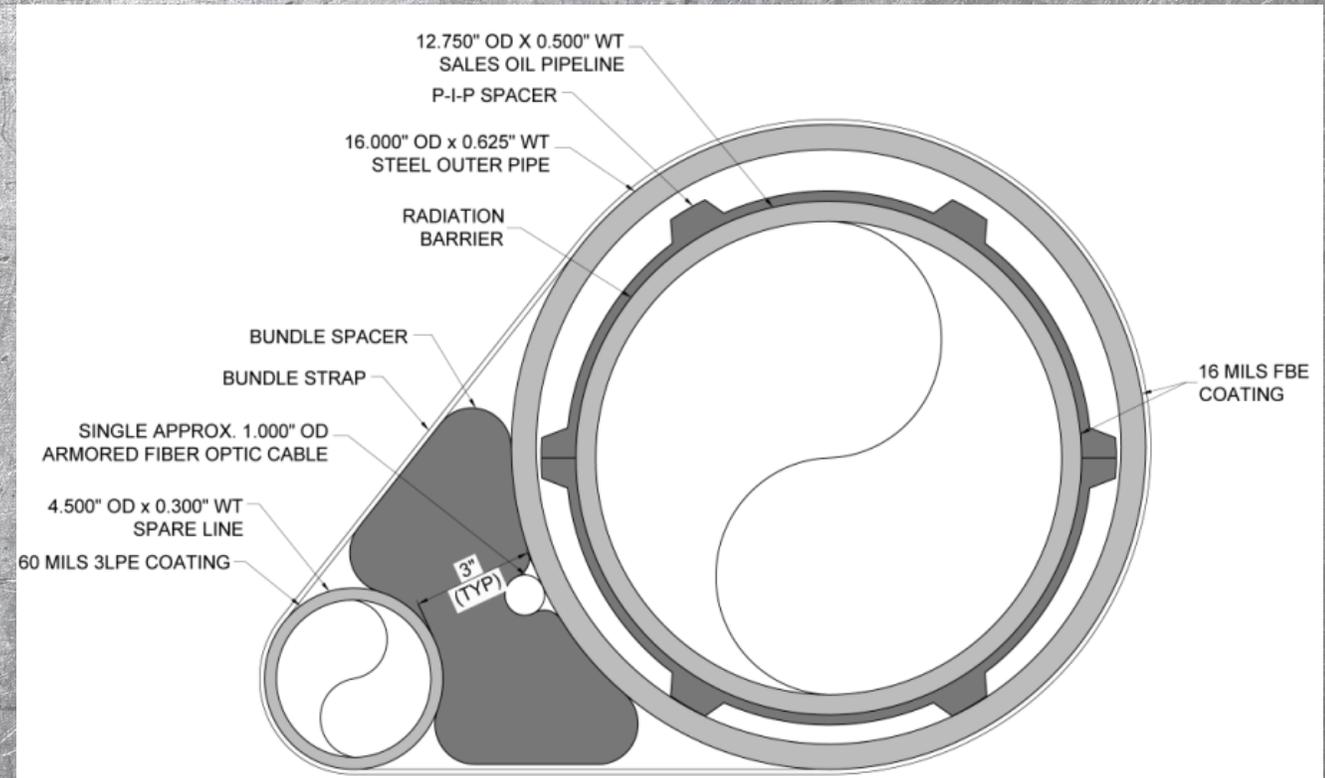
WHERE ARE WE TODAY? PIPELINE DESIGN

SUBSEA to ONSHORE PIPELINE

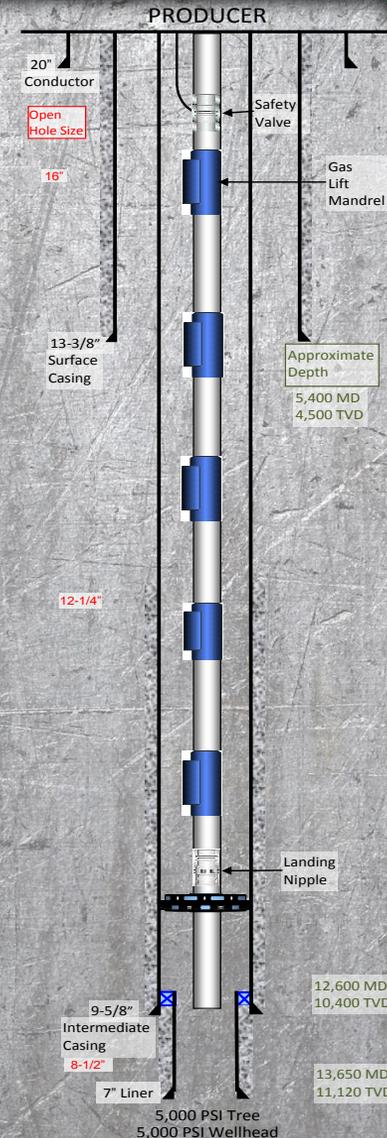
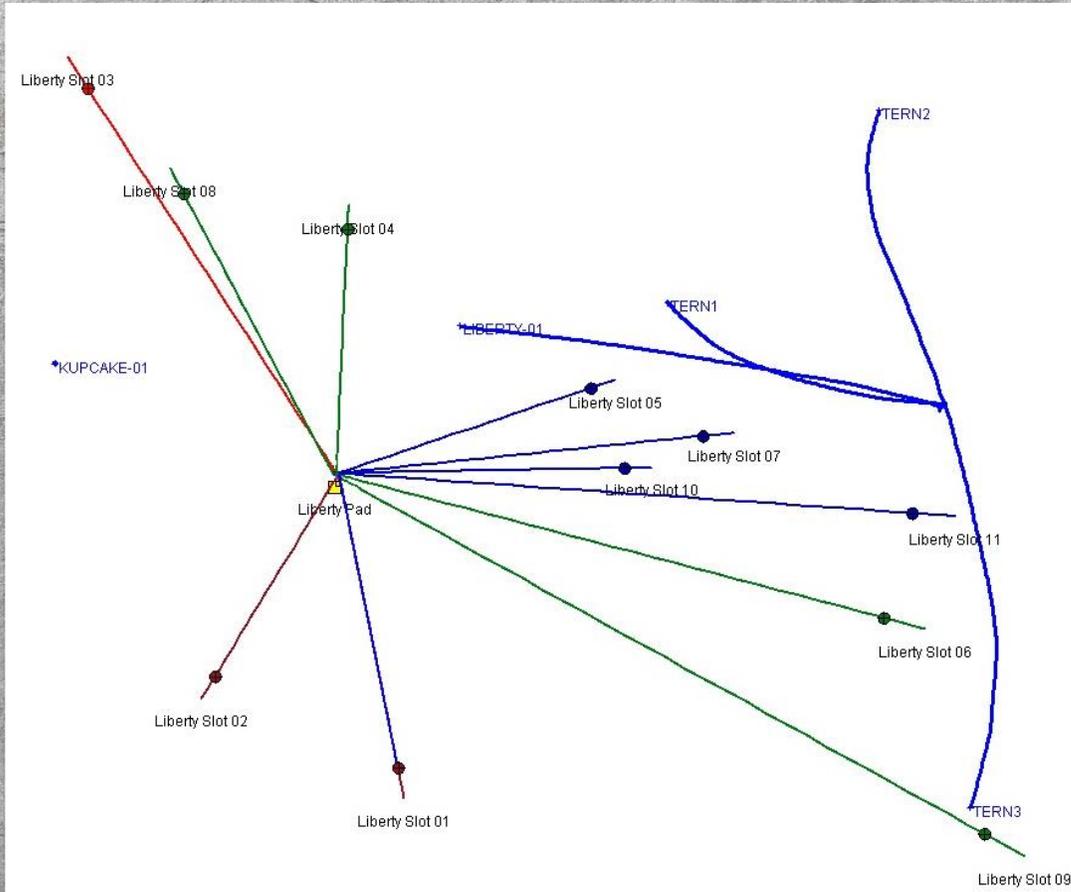
- 5.6 miles subsea line to shore
- Bundled Pipe in Pipe
 - 16" steel pipe, 12" steel sales oil, 4" utility, 1" armored fiber optic
- 3 Phase Leak Detection System

DESIGN CONSIDERATIONS

- Upheaval Buckling
- Strudel Scour
- Ice Keel
- Thaw settlement
- Cathodic protection



WHERE ARE WE TODAY? DRILLING PLANS



DRILLING

- Exploring “new build” vs. existing rig
- Refurbish and move Rig 428 as relief rig
- 5-7 Producer Wells
- 3-5 Injector Wells
- 1-2 Disposal wells



LIBERTY
PROJECT

THANK YOU

SHOW YOUR SUPPORT



Resource development has been an economic foundation for communities throughout Alaska and should be allowed to continue.

Email BOEM before October 1, 2018

boemlibertyfeis@boem.gov