



### <u>We're excited that Point Thomson will contribute to:</u>

- Opening new portions of the North Slope
- Establishing infrastructure for potential future development
- Investing in Alaska's human resources
- Taking a strategic next step towards North Slope gas development



# Point Thomson Unit – Background







**About Point Thomson - Initial Production Facility** 



- Support pipeline extension, with a capacity of 70,000 BPD
- Establish critical infrastructure (roads, gravel pads, pier, camp, airstrip, gas processing plant)

#### **Process**

<u>Scope</u>

- Capacity to cycle 200 million cubic feet of natural gas per day
- One production well and two injection wells
- Directional drilling minimizes
   environmental footprint





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### **Infrastructure Investment**



## Winter / Summer 2013

- Gravel mine opened / gravel placement
- Pipeline infrastructure in place with 2,200 vertical support members (VSM) installed
- Permanent service pier in place
- Diesel tanks installed
- Camp completed in August
- Airstrip to be commissioned in October









ExonMobil Development

# <u>Winter 2013/14 – Summer 2014</u>

- Install gathering and export pipelines
- Complete bridges and gravel pads
- Build west pad

# Winter 2014/15 – Summer 2016

- Install production modules
- Mobilize drilling rig to central and west pad
- Point Thomson facilities and pipeline operational
- First production into TAPS!







Facilities Hookup & Commissioning



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PROJECT



## By the Numbers

- 600+ people working on site this summer
- Over 1,000 Alaskans employed in total during the summer work season

# **Commitment to Local Hiring**

- Over 85% local hiring
- 65 Alaskan companies
- All contractors are expected to comply with ExxonMobil's local hiring standards



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#### **Point Thomson Project Contractors**





# Alaska Project Contractors



	Nar	niq Logistics Tikigag		CH2MHILL -	- Er	KENT2 ngineers & Co	Z nstructors	JAGO		
	Likne	Ukpeagvik (UIC) Totem Ocean Express Big Horn Trucking Port of Anchorage ✓	Ryan Air Carlile NMS Umiaq NAC		•	NANA WorleyParsons				
	Totem Oc Big H Port c			F055 -	•	Alaska Dreams Inc. Industrial Building Solutions				
	CIRI / Cruz	Marine AK				<ul> <li>BELL &amp; Associates Construction</li> <li>Fagioli</li> </ul>				
	Sourdo	ugh Express								
	Crowley	- Bowhead				BEACON Occupational Health and Safety Services				
	,	AK Airlines	Alutiia -							
	Bowhead Tra	ansportation ·				1.1				
	Ever Samson 1		Peak Oilfield Services Co.		NA		Crowley Petroleum Dist.			
	Peak Oilfi	ald Services			- 50		<ul> <li>Lynd</li> </ul>	en	ATS	
Northsta	r Terminal & S	tevedore Co.					оте -		APL Lone Star	
Horizon Lines Legacy		orizon Lines  Legacy	Kuukpik Arctic Services		F	Panalpina Gr	oup		Rickmers Landstar Chipolbrok	
	CB&I Jesse Engineering Seven Sisters		Haskell Corporation		-	GCI 🔹	Valmont <ul> <li>ASRC</li> </ul>		Asiana • Lynden Maersk BBC	
	Univ Fl	ATS + ersal Welding + lowline Alaska +	Doyon Associated, LLC			AFC •	ICE Services Alaska Power Builders Choice Inc. NANA Construction		Inc. tion	
SLR ABR ERM LGL		Dryden & Lerue + SSD •	Baker -		- Engi	PND neers, Inc	ND Kumin RSA Morris Engineering Group		ing Group	
	HDR	ryco		WorlevParson		LUOR			as	
	• UKS						FRA Helicopters, LLC			
NMS Security			ExonMobil			Hvundai				
ERA Aviation						Heavy	/ Industries Co	p. LTD		
									ExonMob	



## **Class of 2013**

- First class of 11 operators already in training
- Dedicated individuals from across Alaska, including Anchorage, Barrow, Nikiski, and Anchorage
- Hiring process for next class begins this month







# **Objective**

 Tap full value of North Slope gas by establishing the infrastructure needed to serve <u>both</u> domestic and global markets

#### **Project Impact**

- Estimated Total Cost: \$45 \$65+ Billion
- Peak Construction Workforce: 9,000 15,000 jobs
- Operations Workforce: ~1000 jobs in Alaska



# Alaska LNG: Project Concept Description



#### **Liquefaction Plant**

- Capacity: 15 – 18 million tonnes per annum (MTA) 3 trains (5-6 MTA / train)
- · Potential areas: 22 sites assessed in Cook Inlet, Prince William Sound and other Southcentral sites
- Footprint: 400 - 500 acres
- Peak Workforce: 3,500 5,000 people
- Required Steel: 100,000-150,000 tons



#### Storage / Loading

- LNG Storage Tanks, Terminal
- Dock; 1 2 Jetties
- Design based on 15-20 tankers
- Peak Workforce: 1,000-1,500 people



#### **Gas Treating**

- ·Located at North Slope or Southcentral LNG site
- •Remove CO<sub>2</sub> and other gases and dispose / use
- 150 250 acres • Footprint:
- Peak Workforce: 500 2,000 people
- •Required Steel: 250,000 300,000 tons
- Among largest in world

#### **Producing Fields** •~35 TCF discovered North Slope resource

- Additional exploration potential
- •Anchored by Prudhoe Bay and Pt. Thomson with
- ~20 years supply available
- Use of existing and new North Slope facilities
- Confirmed range of gas blends from PBU/PTU can generate marketable LNG product
- Peak Workforce: 500 1,500 people



#### **Pipeline**

•Length:

- •Large diameter: 42"- 48" operating at >2,000 psi
- Capacity: 3 - 3.5 billion cubic feet per day
  - ~800 miles (similar to TAPS)
- ·Peak Workforce: 3,500 5,000 people
- Required Steel: 600.000 1.200.000 tons ~5 points, 300-350 million cubic
- State off-take:
  - feet per day, based on demand





# In Conclusion



- Point Thomson is a pioneering endeavor. It opens:
  - ➤ a new era for ExxonMobil Alaska;
  - ➤ a new region of the North Slope;
  - new resource, revenue, and employment opportunities for Alaska.
- With our partners, this work is laying the foundation for future gas development on the North Slope.
- Alaska has the opportunity to become a global gas leader. We're exited to be contributing to the next chapter in Alaska's energy legacy.





