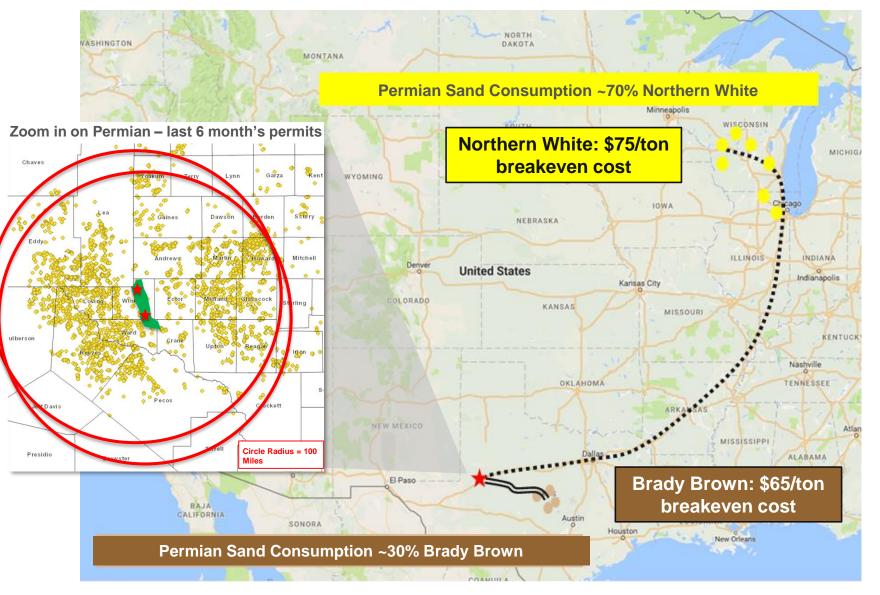


Introduction

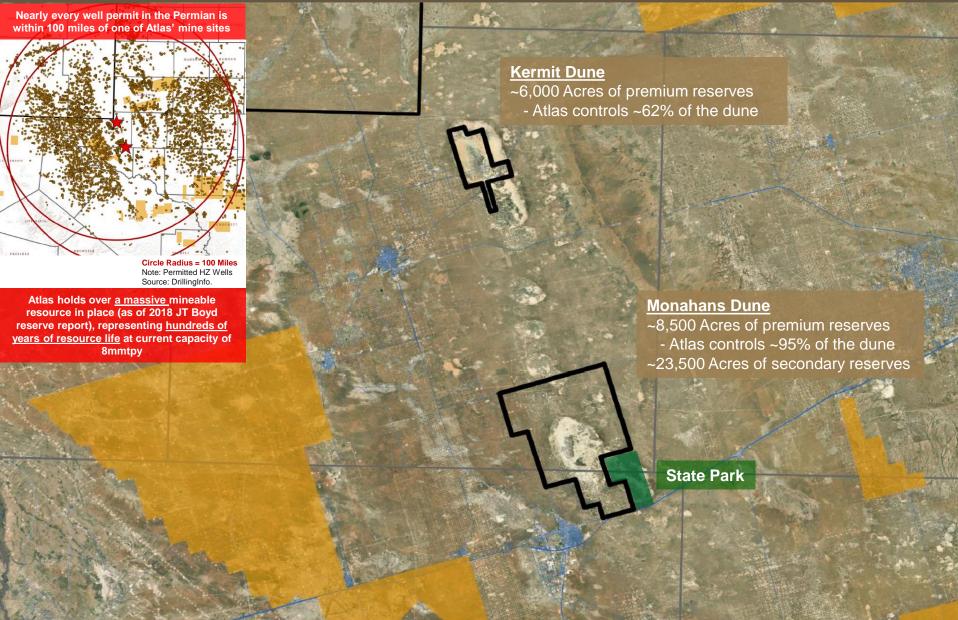
- U.S. Shale has disrupted world oil supplies. The Permian is the leader in U.S. Shale, and remarkably
 we've displaced OPEC by providing the marginal barrel of supply to meet global oil demand. We are
 now exporting freedom, and that's good for Texas, the USA, and the free world
- University Lands and Atlas, particularly given our new relationship, and also given our premium geography / rock, are integral to the Permian disruption, and we will play an increasingly important role
- Atlas is one of numerous sand suppliers providing local sand which has disrupted sand markets
 providing (a) lower sand prices and (b) better logistics / reliability. This disruption is hugely beneficial to
 Permian drilling economics and is further differentiating the Permian
- Darwin will sort the sand market out, and ultimately Atlas and University Lands will benefit immensely
 - Atlas controls the largest and highest quality sand reserves, with the lowest cost to mine
 - Atlas is growing its sand production, sales, revenue and cash flow, while capturing market share
 - Other plants are shuttering, rationalizing, or struggling
- The University Lands / Atlas relationship, in time, will further differentiate both University Lands and Atlas
 - Lowering cost of delivered sand
 - Reduced infrastructure wear and tear
 - Saving Lives
- MORE TO COME

The Shift Towards In-Basin Sand Originated from the Massive Disparity in Transportation Costs

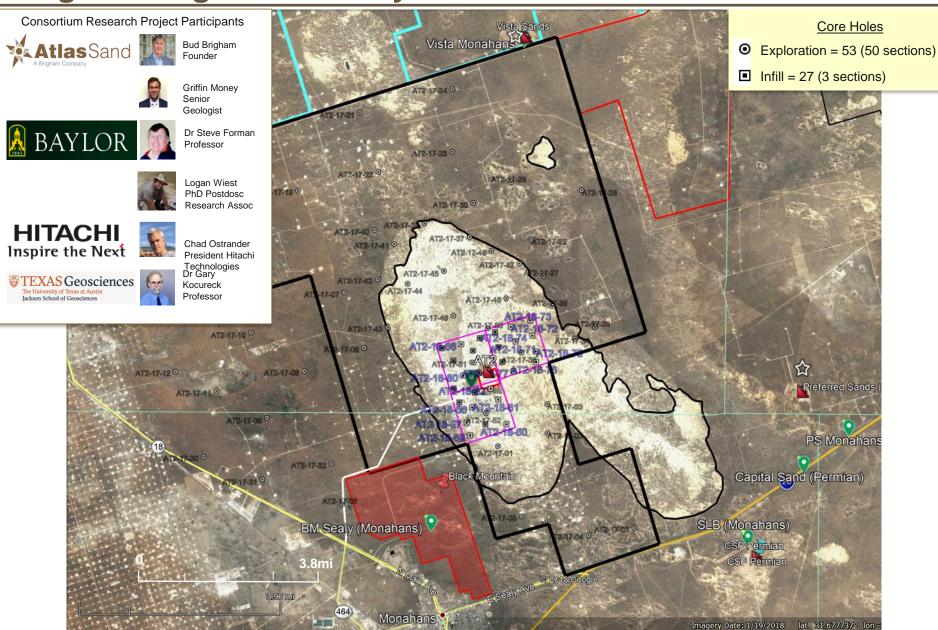
Legacy Sand Providers Poorly Positioned due to High Transportation Costs



Atlas's Dominant Pure-Play Permian Acreage Position holds the Largest Permian Basin Reserves of any Sand Provider

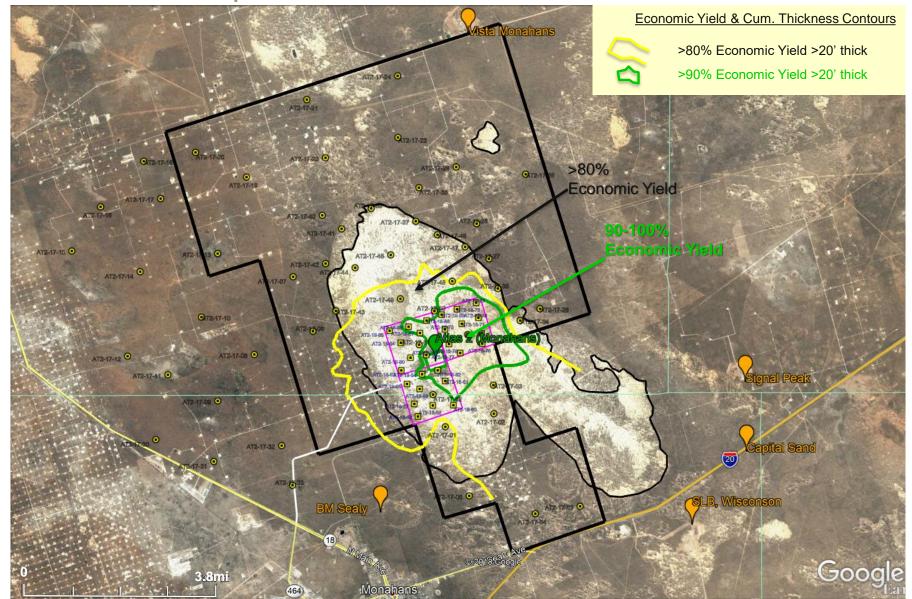


Giant Open Dune Advantages: Industry Leading Research Program Targeted the Very Best Reserves in the Trend



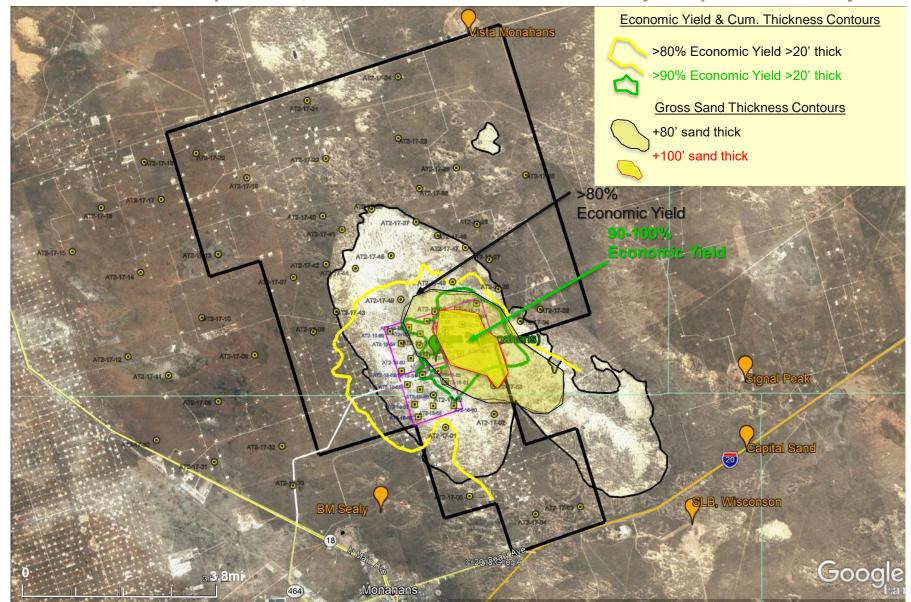
Giant Open Dune Advantages Largest Reserves of Highest Quality Sand & Lowest Cost to Produce

Economic Yield Sweet Spots



Giant Open Dune Advantages Largest Reserves of Highest Quality Sand & Lowest Cost to Produce

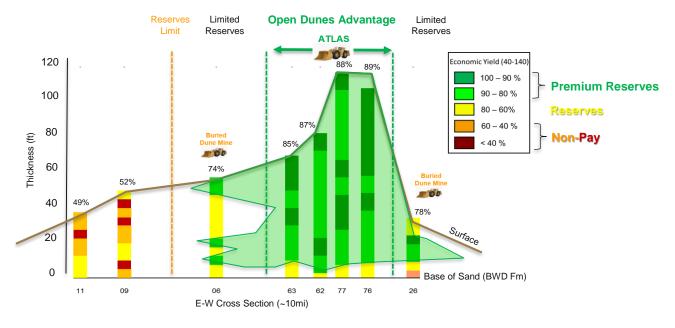
Economic Yield sweet spots concurrent with thickest reserves ≈ 50+ years proven currently

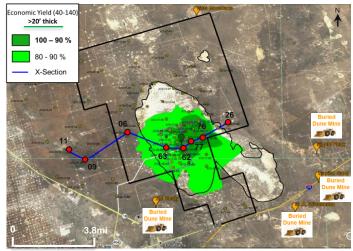


Giant Open Dune Advantages

Largest Reserves of Highest Quality Sand & Lowest Cost to Produce

X-Section Flattened on Base Sand with core results

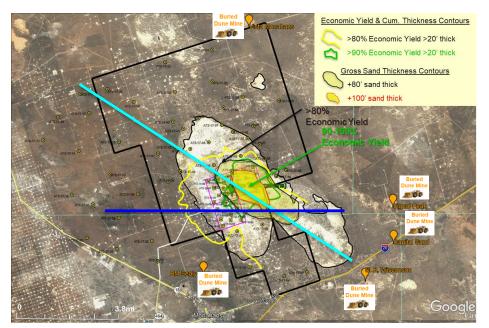




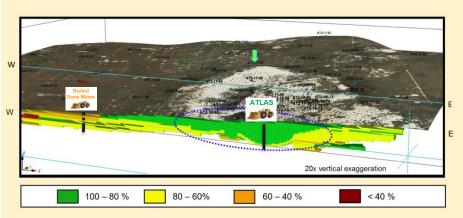
Giant Open Dune Advantages

Largest Reserves of Highest Quality Sand & Lowest Cost to Produce

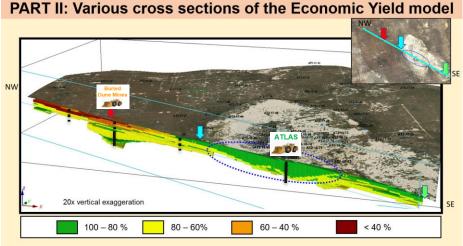
Economic Yield sweet spots concurrent with thickest reserves ≈ 50+ years proven currently E-W



PART II: Various cross sections of the Economic Yield model



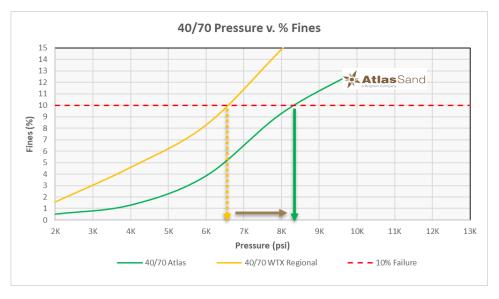
NW-SE

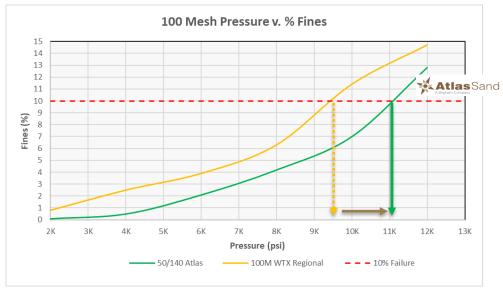


Giant Open Dune Advantages

Largest Reserves of Highest Quality Sand & Lowest Cost to Produce

Atlas Premium Dune Sand offers top in-basin crush performance



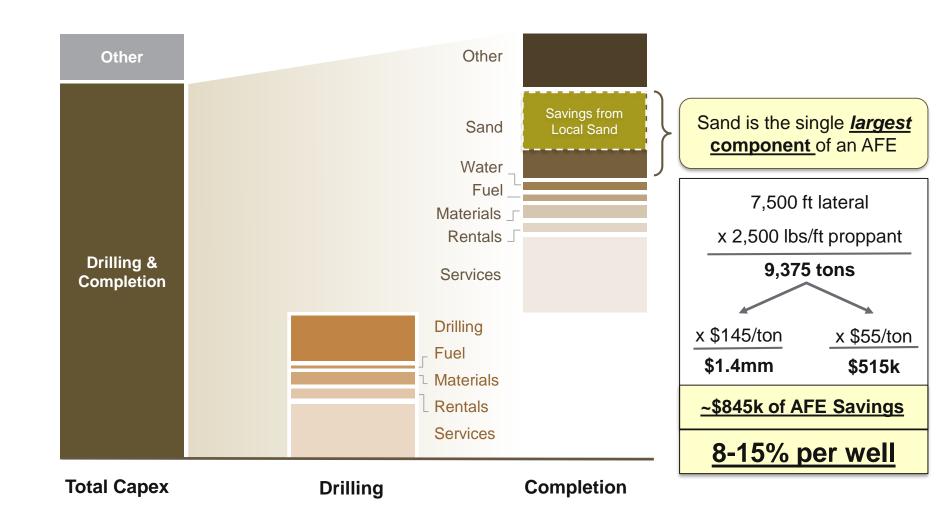


Giant Open Dune Advantages: Largest Reserves of Highest Quality Sand & Lowest Cost to Produce

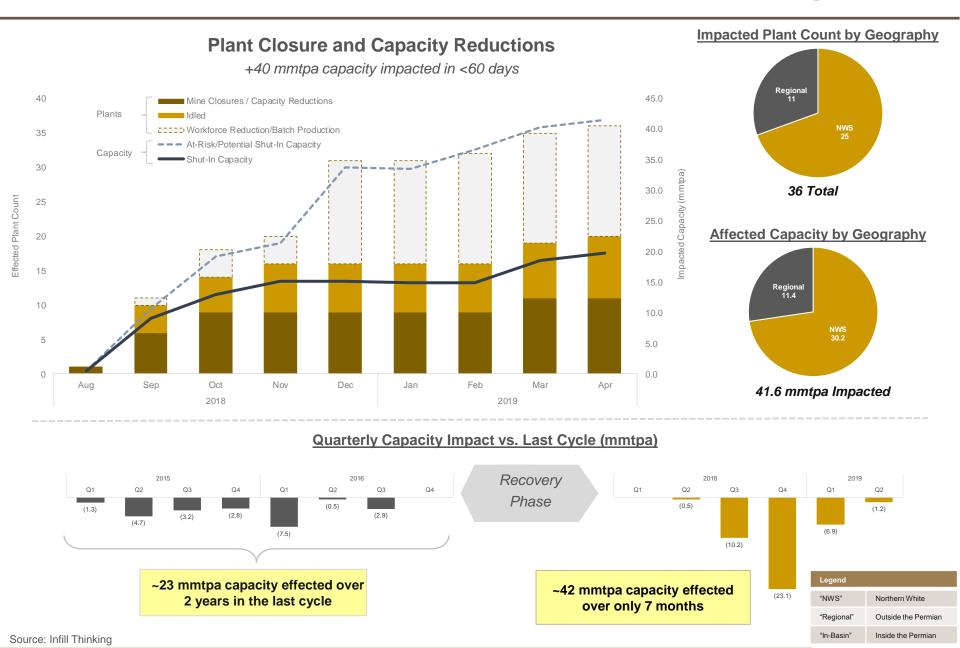
On Dune Reserves	Off Dune Reserves	On Dune Benefits
Yields of 80%-90%+	Yields of 60%-80%	 Removes variability in product quality Reduces stress on equipment & operations More dependable / predictable production plan
Low turbidity	Increased turbidity	 Atlas <35 NTU Diminished impact of organics on fluid system and production Reduced stress on equipment & operations
Consistent reserve mix & quality	Inconsistent reserve mix & quality	 Open dunes have less variation and increased quality due to geologic processes More dependable / predictable production plan
Avg reserve depth 80'-100'	Avg reserve depth 20'-60'	 Consistent quality & supply with less impurities Reduces stress on equipment & operations

Breakdown of Permian In-Basin Sand Savings per Well

Operators have largely switched away from Northern White & Brady Sand due to (a) savings per well and (b) improved logistics / reliability from buying sand locally



Northern White / Out of Basin Mine Closures Stacking Up



Atlas is Built to Last: Summary of Competitive Advantages

Low and
Flexible Royalty
Burden with
Sliding Scale for
Margin
Protection in a
Downturn

Plant Designed with Redundancies & Efficiencies

100% Dune Sands = lowest cost to mine & highest quality

Modest Financial Leverage

Atlas Sand

Large, Efficient Load-Outs that Maximize Truck Turns

Two in-basin
Permian Plants
give Bookend
Position for
Superior
Logistics

No Legacy Assets Stranded in Other Basins Water Rights Provide Opex Savings

(Atlas does not pay a per-barrel tariff for Water)

Scale Provides for Natural Gas, Electric Savings

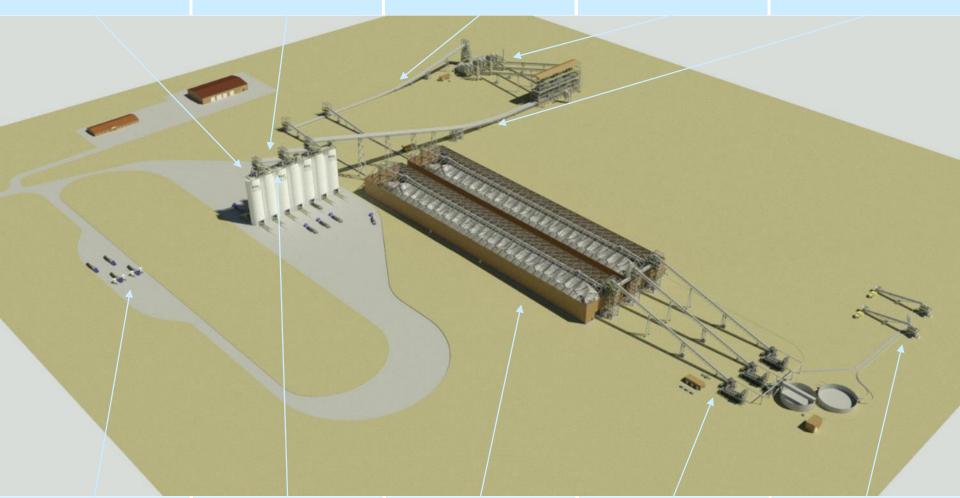
Atlas Designed a Leading-Edge Sand Facility with Superior Reliability and Efficiency

7x 5,000 ton silos, with 7 loadout lanes = largest dry storage in the basin

Average load times significantly outperform any other Permian mine

2x conveyor lines exiting the wet sand storage buildings provides backup 3x dryers with fully independent lines to screener towers

3x fully independent lines exiting the dry plants



Multiple automated checkin stations minimize check-in time Any of the 3x conveyor lines can deposit either 40/70 or 100# into any silo

2x wet sand storage can each be fed from any of the three conveyors at the wet plants 3x independent wet plants with attrition scrubbers provide the most thorough wash process in the basin Multiple mobile mine skids keeps mining going

Atlas' Cost Profile Structured for Long Term Sustainability

For long-term partnerships it is important to consider the financial viability of one's partner

to continue to deliver for years to come						
Firm	Total Debt (\$MM)	Q1'19 Ann. Prod. (mmtpy)	Q1'19 Ann. Interest (\$MM)	Q1 '19 Ann. G&A (\$MM)	G&A + Interest per Ton	
HI CRUSH	~\$475	~9.3	~\$42	~\$44	\$9.34	

	(\$MM)	(mmtpy)	(\$MM)	(\$MM)	Ton	
H) CRUSH	~\$475	~9.3	~\$42	~\$44	\$9.34	

	,				
HI CRUSH	~\$475	~9.3	~\$42	~\$44	\$9.34

(H) CRUSH PARTNERS LP	~\$475	~9.3	~\$42	~\$44	\$9.34
VS US	~\$1,272	~19.3	~\$96	~\$122	\$11.30

PARTNERS LP					
SILICA SILICA	~\$1,272	~19.3	~\$96	~\$122	\$11.30

X US SILICA	~\$1,272	~19.3	~\$96	~\$122	\$11.30
CCOVIA	~\$1,669	~32.0	~\$102	~\$157	\$8.10

Not Meaningful – has not released Q4 figures and has announced a restructuring

support agreement is being pursued

Not Meaningful – has withdrawn it's S-1 and has completed a restructuring

~3.1

~\$17

~\$65

~\$29

~\$88

\$15.23

N/M

N/M

\$10.99

<\$5.00

18

SOURCE

EMERGE

preferred sands

~\$135

Average



Questions?

