

1PAA 2011 Oil & Gas Investment Symposium

New York, NY



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The SEC permits oil and natural gas companies, in their filings with the SEC, to disclose only proved, probable and possible reserves, as each is defined by the SEC. At times we use the term "EUR" (estimated ultimate recovery) and "resources" and "resource locations and potential" to provide estimates that the SEC's guidelines prohibit us from including in filings with the SEC. These estimates are by their nature more speculative than estimates of proved, probable or possible reserves and, accordingly, are subject to substantially greater risk of being actually realized by the company. For a discussion of the company's proved reserves, as calculated under current SEC rules, we refer you to the company's Annual Report on Form 10-K referenced above, which is available on our website at <a href="https://www.sandridgeenergy.com">www.sandridgeenergy.com</a> and at the SEC's website at <a href="https://www.sec.gov">www.sec.gov</a>.



## SandRidge Company Overview

#### **Financial and Operational Summary**

#### **Market Value**

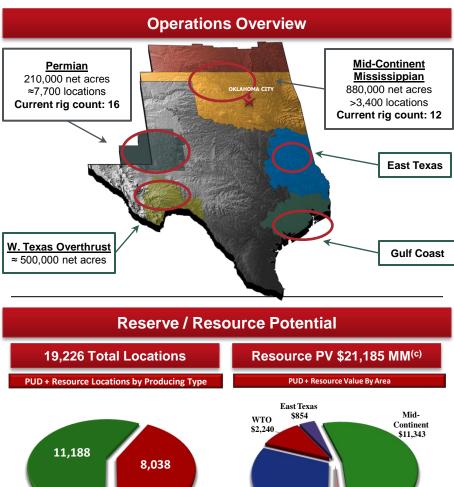
(\$ in millions, except for share price)

SD Share Price (4/5/2011)	\$12.97
Equity Value	\$5,321
Enterprise Value	\$9,393

#### Reserves

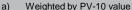
(Reserve figures are as of YE 2010)

Proved Reserves (MMBoe)	546
% Oil <sup>(a)</sup>	88%
% PDP	41%
SEC PV10 Value	\$4,509
Current Production (MBoe/d)	63.0
Reserve Life (Years) <sup>(b)</sup>	24



Permian \$6,494

■ Oil Locations
■ Gas Locations



b) Based on current production

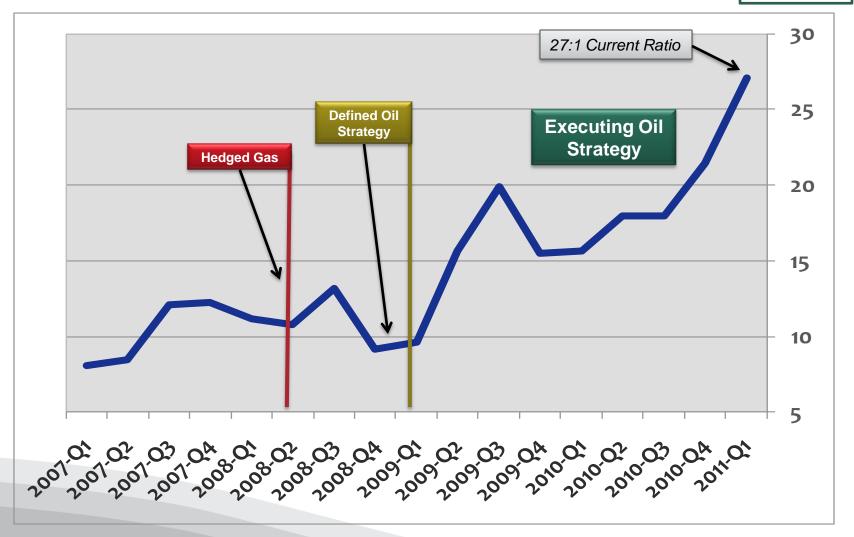


\$255

c) Based on the February 7, 2011 NYMEX strip, adjusted for hedges

## SandRidge Quickly Shifted from Gas to Oil

Value ratio of Oil to Gas





### Oil Strategy – Shallow, Low Cost, Conventional

### Acquisition of Permian Central Basin Platform "CBP" properties

- 7,600 Boepd in December 2009 (FST)
- 8,200 Boepd in July 2010 (ARD)
- Current ≈ 185,000 acres

### Central Basin Platform Oil Drilling

Planned 2011 rig count ≈ 16

Net acreage in Horizontal Mississippian Play

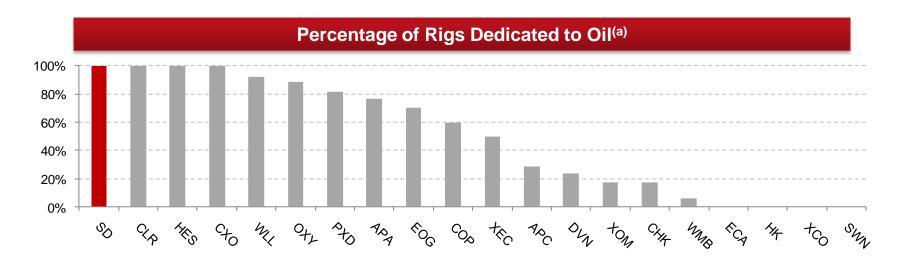
- Current ≈ 880,000 acres
- Average acquisition cost < \$200 per acre</li>

### Mississippian Oil drilling

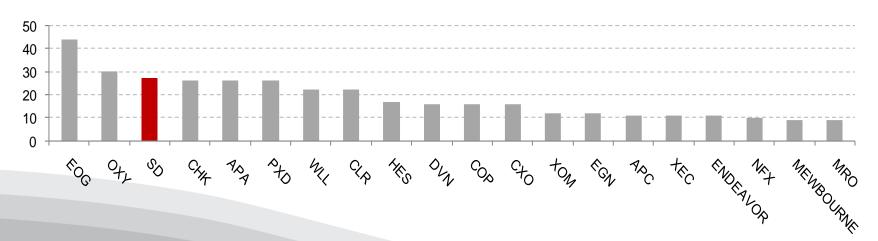
Planned 2011 rig count ≈ 12 rigs

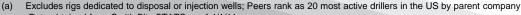


# Leading the Industry in Oil Dedicated Drilling



### **Number of Rigs Dedicated to Oil**

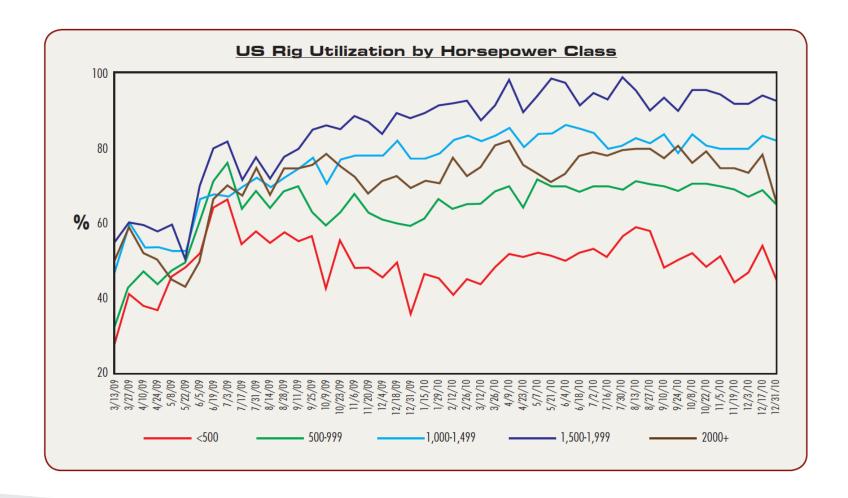








## **Availability of Rigs Mitigates Cost Pressures**





### Permian Basin - Central Basin Platform

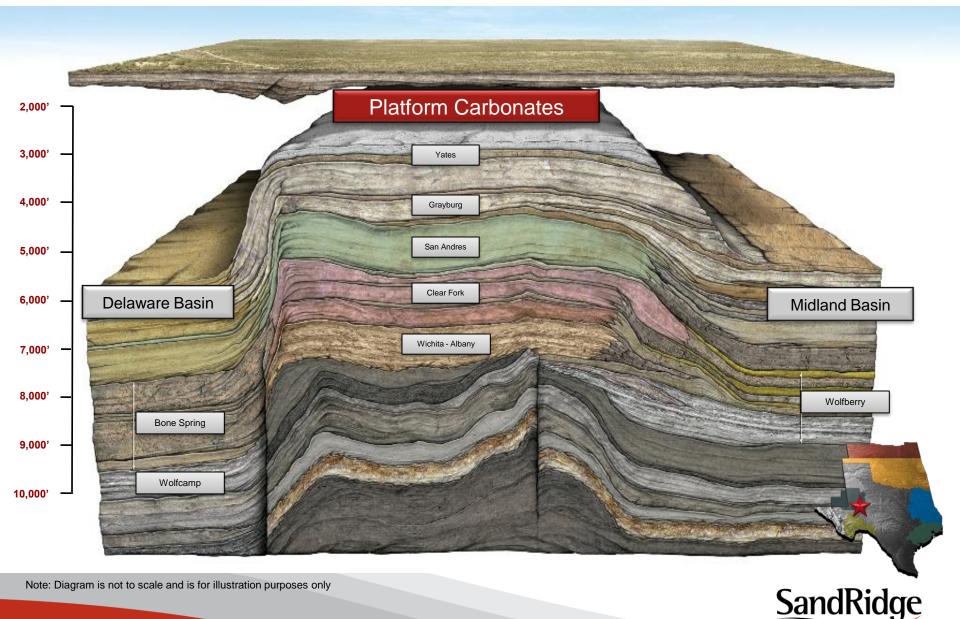
### Shallow, Carbonate Oil Play

- Has produced oil for over 80 years
- Is the 3<sup>rd</sup> largest petroleum producing area in the U.S. after the Gulf of Mexico and Alaska
- 29 billion barrels produced from the Permian Basin
- 13 billion barrels have been produced from the Central Basin Platform carbonates (45% of Permian total)
  - San Andres > 4 billion barrels
  - Clear Fork > 2 billion barrels

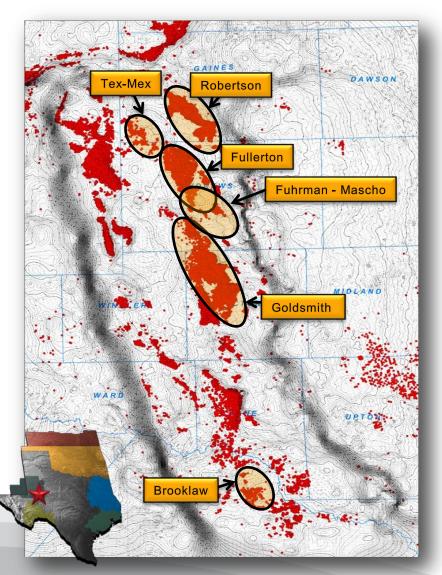




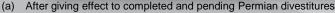
### Permian Basin - Central Basin Platform



### **Central Basin Platform – Overview**



- High Rate of Return Oil Drilling
- Low Drilling Costs
- Predictable Production Profiles
- Low Acreage Costs (≈ 185,000 Net Acres)
- Certainty of Economic Return
- SD is most active driller with 16 of 42 rigs running
- ≈ 7,700 potential locations<sup>(a)</sup>

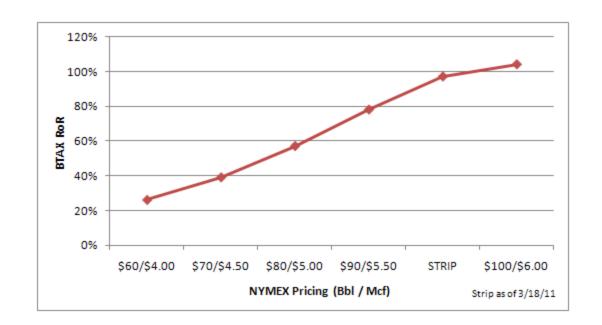




### **Central Basin Platform – Economics**

### ≈ 7,700 Potential Locations<sup>(a)</sup>

- 75 Mbbl (79% Crude)
- 47 Mmcf, dry
- 83 Total Mboe
- \$760M/well
- 65 Boepd 30 day IP
- ≈ 97% ROR(b)

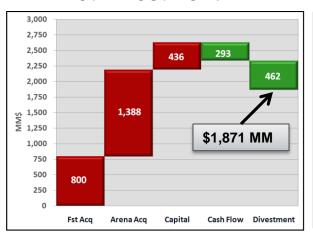


- a) After giving effect to completed and pending Permian divestitures
- (b) NYMEX Strip as of 03/18/11

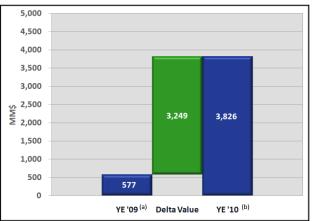


## Permian Asset Value Growth (YE'09 through YE'10)

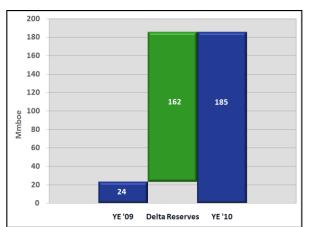
### Net Investment



PV-10 Value



#### Reserves



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PV-10 Value Growth = $3,249 MM

Net Investment = $1,871 MM

Growth of Investment = $1,378 MM

Reserve Growth = 162 Mmboe

Net Investment Cost = $11.55/Boe
```

- (a) YE 2009 NYMEX Strip; Prior to Forest acquisition
- b) Feb. 7, 2011 NYMEX Strip with hedging adjustments



# What Makes Central Basin Platform a Great Play

Economics		Characteristics	
IRR <sup>(a)</sup>	97%	Scale	185,000 acres
NPV per Well (\$MM)(a)	\$1.2		≈ 7,700 locations
F&D (\$/Boe)	\$12.25		
Type Curve			
EUR (Mboe/well)	83	Reservoir Knowledge	Carbonate reservoir
IP Rate (Boe/d) <sup>(b)</sup>	65		80 years production history
Liquids Content	90%		Stacked productive formations
			Well defined type curve
Costs			
Drill & Complete (\$MM)	\$0.76	Ability to Control Costs	Shallow (4,000' to 8,000')
LOE (\$/Boe)	\$12.27	•	low horsepower rigs (< 1,000 hp)
,	·		low pressure pumping (≈ 7,500 hp)
			Abundance of industry equipment available Not competing with shale plays for equipment Extensive existing infrastructure
			Extensive existing initiastructure



<sup>(</sup>a) NPV and IRR based on Strip Prices at 03/18/2011

<sup>(</sup>b) 1st month average production

## Mid-Continent Horizontal Mississippian Oil – Overview



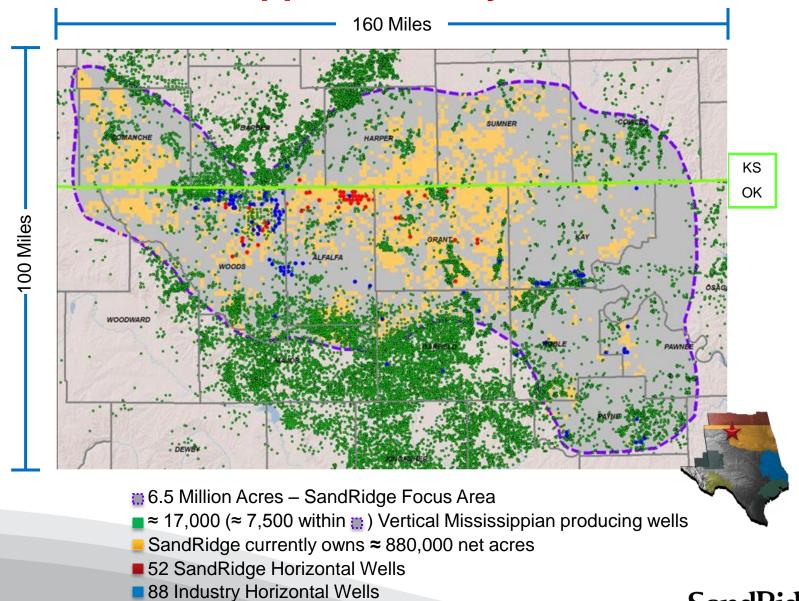
- 300-500 Mboe/well (52% Crude Oil)
- \$2.7MM/well<sup>(a)</sup>
- SD Operated wells
  - 52 Drilled
- Other Industry wells
  - 88 Drilled

### High Perm, Carbonate Oil Play

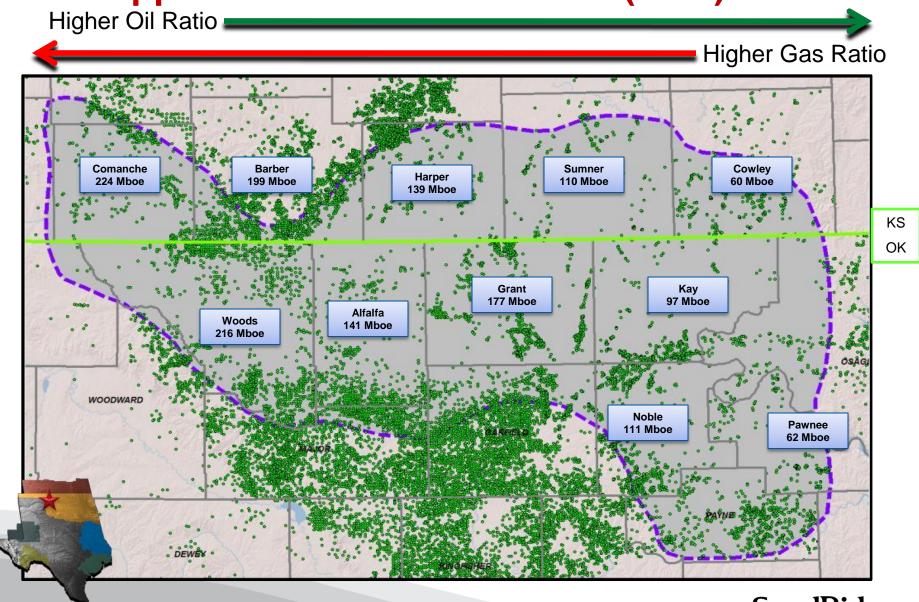
- Shallow oil target (< 6,000' TVD)</li>
- Extensive reservoir control from thousands of vertical wells
- Conventional, high perm, carbonate reservoir
- Depletion drive with 30 years of history
- Thick overall carbonate section
- Attractive drilling and completion costs
- Horizontal drilling effectively connects vertical wellbores
- Rigs, services and infrastructure readily available
- ≈ 880,000 net acres



# **Horizontal Mississippian Oil Play**

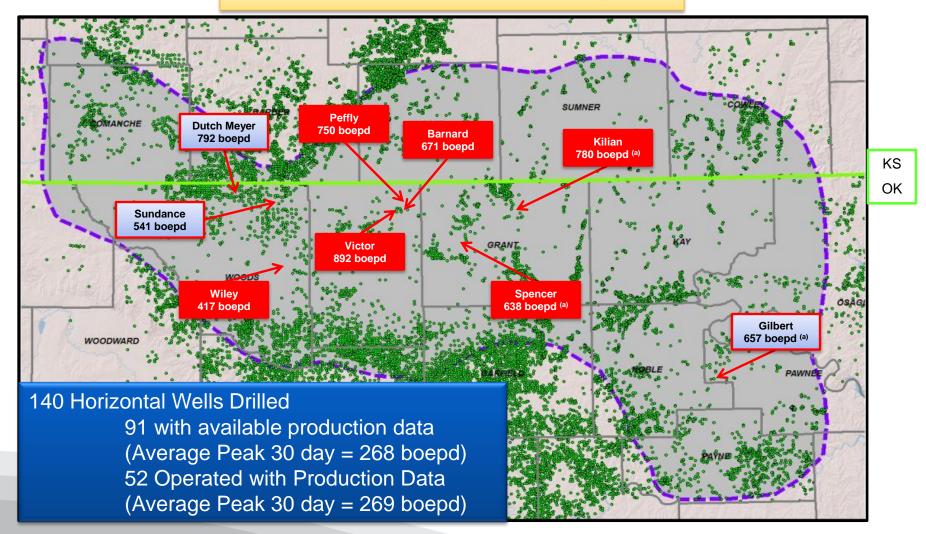


## Mississippian Vertical Performance (EUR)



## Mississippian Horizontal Performance (30 Day Average)

### **Exceptional Performance Across Play Area**



SD Operated

Non-Operated



### **Horizontal Mississippian Oil – Economics**

### > 3,400 Potential Locations

- 211 Mbbl (100% Crude)
- 1,186 Mmcf
- 409 Total Mboe
- \$2.7MM/well<sup>(a)</sup>
- 244 Boepd 30 day IP
- ≈ 152% ROR<sup>(b)</sup>

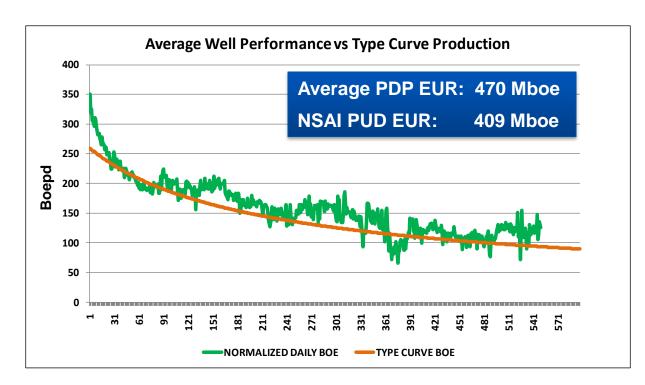


- (a) Includes capex allocation for water disposal facilities
- (b) NYMEX Strip as of 03/18/11



### **Horizontal Mississippian Oil – Performance**

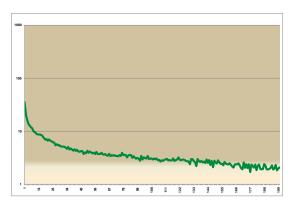
#### **Horizontal Performance Data**



### **Horizontal Wells**

Reservoir contact 10X
Frac stages 8-12X
Spacing > 5X
Hz. performance ≈ 4X Vert. performance (EUR)

### **Vertical Performance Data**



### **Vertical Wells**

Performance 30-40 years Thousands of wells drilled EUR > 100 Mboe



## **Horizontal Mississippian Oil – Industry Activity**

#### SandRidge

300 to 500 Mboe EUR

22 days to drill (4,000' lateral)

\$2.7 million D&C

409 Mboe EUR (NSAI Consultant)

#### Chesapeake

290 to 435 Mboe EUR

≈ 4,000' lateral

\$2.8 million D&C

#### **Eagle Energy**

300 to 650 Mboe EUR

\$2.5 million D&C

#### Range Resources

300 Mboe EUR

2,200' lateral

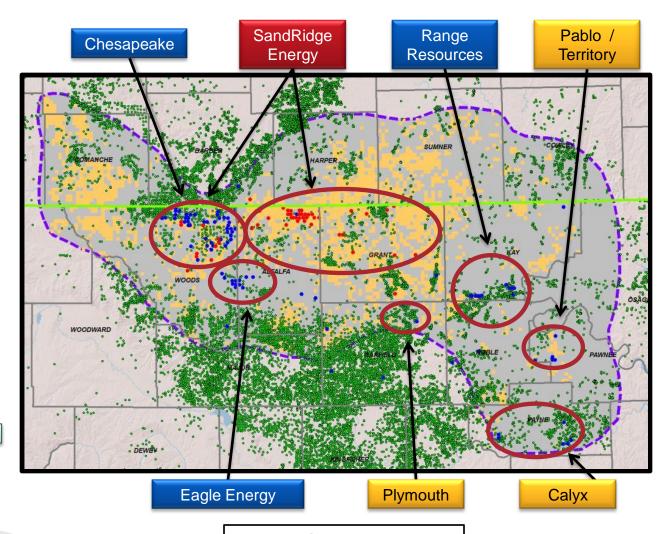
\$2.1 million D&C

#### **Ross Smith (Independent Engineers)**

253 to 343 Mboe EUR

\$2.7 million D&C

Non reporting operators



#### **Horizontal Wells**

- SandRidge Operated Hz Wells
- Other Operators Hz Wells
- Vertical Wells



# What Makes Horizontal Mississippian a Great Play

Economics		Characteristics	
IRR <sup>(a)</sup> NPV per Well (\$MM) <sup>(a)</sup> F&D (\$/Boe)	<b>152%</b> \$6.3 \$8.18	Scale	880,000 acres Early mover in the play
Type Curve			
EUR (Mboe/well) <sup>(b)</sup> IP Rate (Boe/d) <sup>(c)</sup> Initial Decline b Factor Crude Oil Content  Costs	<b>409</b> 244 56% 1.5 52%	Reservoir Knowledge	Carbonate reservoir Three years studying the play Decades of vertical production 7,500 existing vertical wells 140 industry horizontal wells Conservative b Factor Well defined type curve
Drill & Complete (\$MM) LOE (\$/Boe)	<b>\$2.7</b> \$8.32	Ability to Control Costs	Shallow (TVD < 6,000')  low horsepower rigs (< 1,000 hp)  low pressure pumping (≈ 12,500 hp)  Abundance of industry equipment available  Not competing with shale plays for equipment  In the play for <\$200 per acre  Extensive existing infrastructure

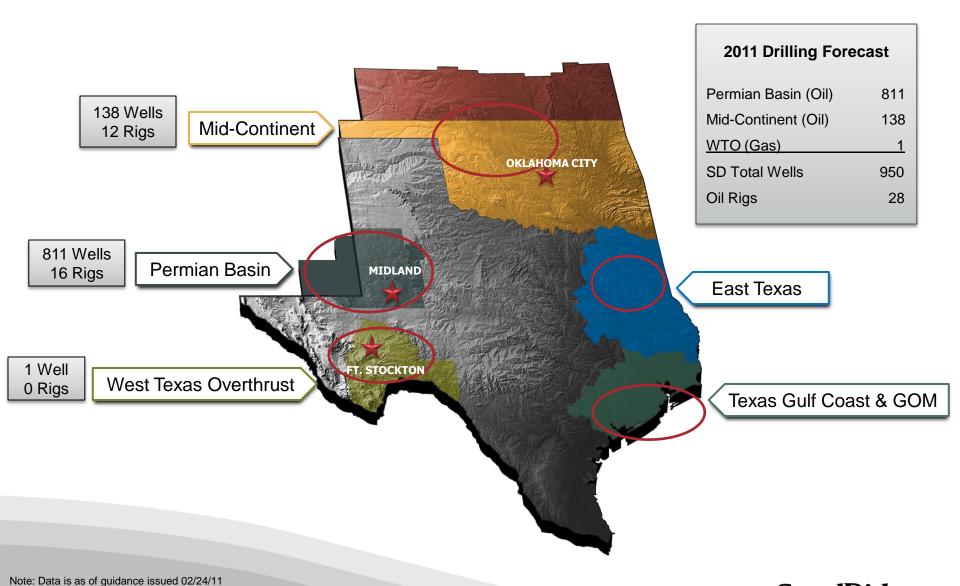
<sup>(</sup>a) NPV and IRR based on Strip Prices at 03/18/2011



b) Netherland Sewell YE2010 type curve

<sup>(</sup>c) 1st month average production

# SandRidge Operating Areas – 2011 Drilling Forecast



# Hedging

### Contracts in Place as of April 4, 2011

	Year Ending		
	12/31/2011	12/31/2012	12/31/2013
Oil Swaps:			
Volume (MMBbls)	8.65	10.00	9.89
Swap	\$86.80	\$87.87	\$93.99
Natural Gas Swaps: (a)			
Volume (Bcf)	45.82	19.57	0.00
Swap	\$4.63	\$5.10	NM
Natural Gas Basis Swaps: (b)			
Volume (Bcf)	104.03	113.46	14.60
Swap	\$0.47	\$0.55	\$0.46

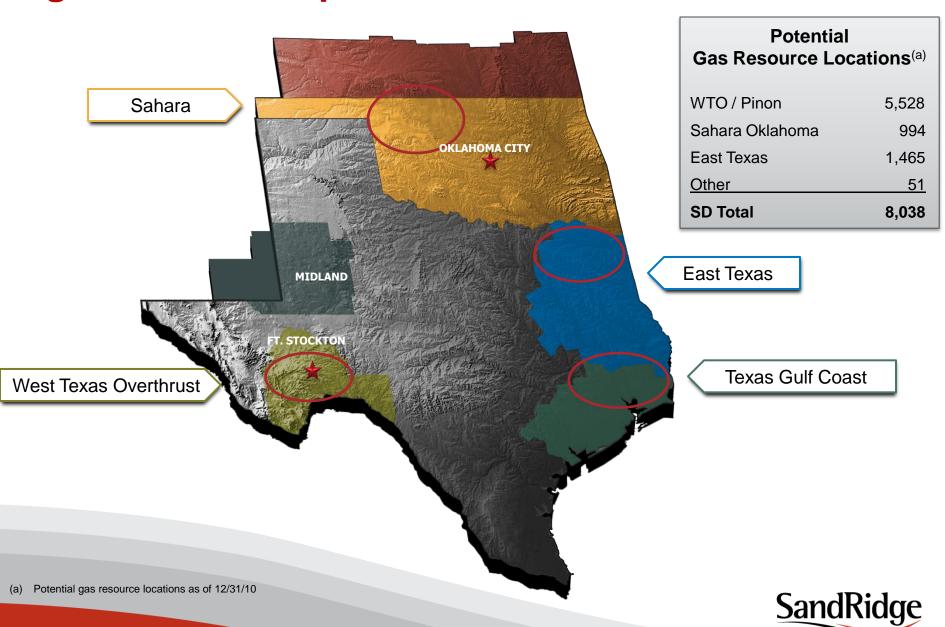
Natural gas swaps assume a ratio of 1:1 for Mcf to MMBtu



<sup>(</sup>a) In addition to price swaps, SD has 3.2Bcf of natural gas collars in place for 2H 2012 through 2015, with a floor of \$4.00/Mcf and an average cap of \$7.66/Mcf

<sup>(</sup>b) Includes WAHA and HSC basis swaps in 2011 and 2012

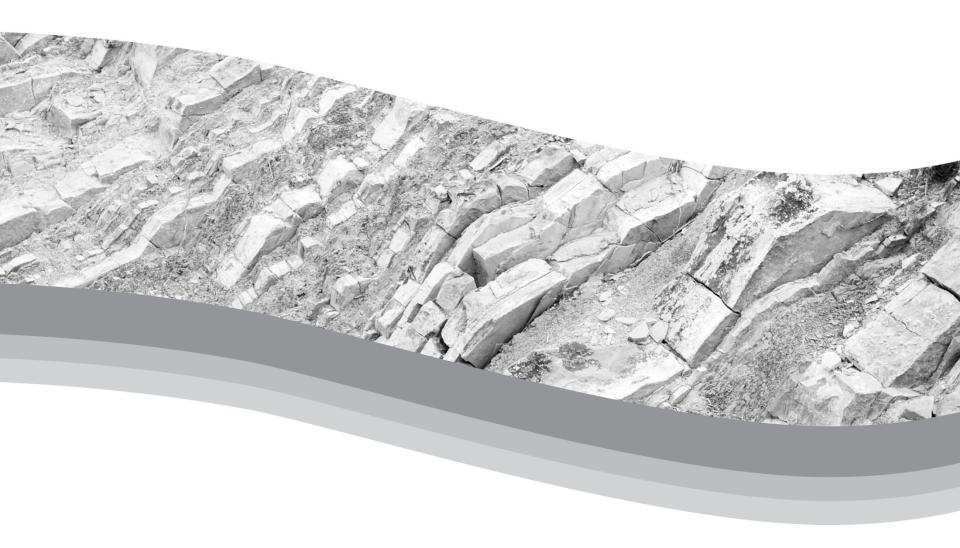
## **Significant Gas Upside**



### **Conclusion / Investment Considerations**

- Completed our transition to oil
- Defined strategy of developing shallow, low cost, low risk, conventional, carbonate reservoirs
- Executing our two large core oil assets
- Expecting 16% overall production growth and 66% oil production growth in 2011
- Addressed our capex funding gap





**Appendix** 



# SandRidge Snapshot (NYSE: SD)

### Financial Overview (\$ in millions, YE 2010 Balances)

Market Capitalization (a)	\$5,321
Basic Shares Outstanding (million) <sup>(b)</sup>	410.3
Cash	\$6
Total Debt	2,909
Enterprise Value	\$9,393

# Reserves & Production (in MMBoe, YE 2010 Balances)

PDP Reserves	222.7
PUD Reserves	323.2
Total Proved Reserves	545.9
R/P Life (years)	27.2

# Bonds and Preferred Stock (\$ in millions, Pro Forma Amounts )<sup>(c)</sup>

Senior Notes	
Sr. Floating Rate Notes due 2014	\$350
9.875% Sr Notes due 2016	353
8.0% Sr Notes due 2018	750
8.75% Sr Notes due 2020	443
7.5% Sr Notes due 2021	900
Total	\$2,796
Preferred Stock	
8.5% Convertible Perpetual Preferred (d)	\$265
6.0% Convertible Perpetual Preferred (e)	200
7.0% Convertible Perpetual Preferred (f)	<u>300</u>
Total	\$765



a) Based on share price as of 4/5/2010

<sup>)</sup> Based on Feb 18 basic shares outstanding

Pro forma for the tender/call of the \$650 million 8.625% 2015 notes and issuance of the \$900 million 7.5% 2021 notes

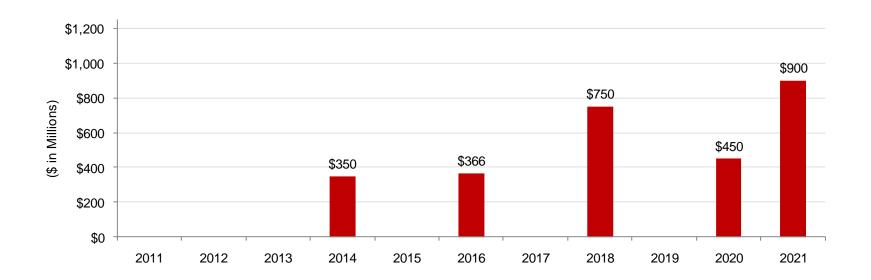
Convertible at holder's option at \$8.0125 per common share; convertible by SD after February 20, 2014

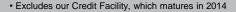
Convertible at holder's option at \$10.856 per common share; automatic conversion December 21, 2014

f) Convertible at holder's option at \$7.7645 per common share; convertible by SD after November 20, 2015

## **Senior Note Maturity Schedule**

- No maturities until 2014
- Staggered maturity horizon
- Weighted average maturity: 7.4 years



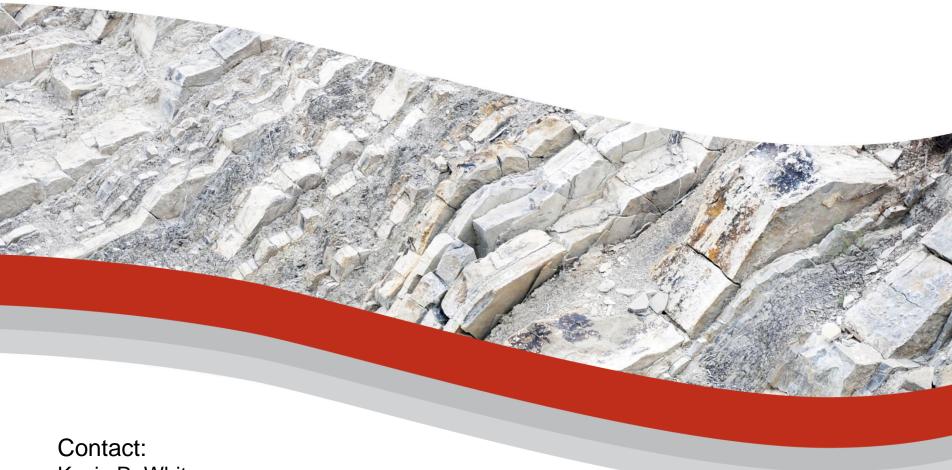




# **2011 Operational Guidance**

Production	
Oil (MMBo) (a)	12.3
Natural Gas (Bcf)	66.5
Total (MMBoe)	23.3
Differentials	
Oil (a)	\$11.00
Natural Gas	0.75
Costs per Boe	
Lifting	\$11.80 - \$13.10
Production Taxes	2.05 - 2.30
DD&A - oil & gas	12.80 - 14.20
DD&A - other	2.40 - 2.65
Total DD&A	\$15.20 - \$16.85
G&A - cash	4.25 - 4.75
G&A - stock	1.55 - 1.75
Total G&A	\$5.80 - \$6.50
Interest Expense	\$10.20 - \$11.30
Corporate Tax Rate	0%
Deferral Rate	0%
Deferral Nate	0 /6
Shares Outstanding at End of Period (in mi	llions)
Common Stock	415.6
Preferred Stock (as converted)	90.1
Fully Diluted	505.7
Capital Expenditures (\$ in millions)	
Exploration and Production	\$1,065
Land and Seismic	105
Total Exploration and Production	\$1,170
Oil Field Services	25
Midstream and Other	105
Total Capital Expenditures	\$1,300
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