



**SANTA FE**  
RESOURCE DEVELOPMENT

**SulfTec**

**Worlds Leading Crude Oil Sulfur  
Reduction Technology**

# TECHNOLOGY

Patent Pending

OXIDATION CHEMICALS\* + PATENTED IONIZED SOLUTION\* = **~64%** REDUCTION IN SULFUR IN CRUDE OIL

**No heat or cold  
needed in the  
process**

**Inexpensive**

**Process take only  
hours**

**Can apply to crude  
at any temperature**

\* Exact chemical makeup kept trade secret until final patent issued

# VALUE

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## Price per barrel

< 1% Sulfur =	~\$77/bl
1% - 2% Sulfur =	~\$75/bl
2% - 3% Sulfur =	~\$73/bl
3% - 4% Sulfur =	~\$69/bl
>4% Sulfur =	<\$65/bl

## Transportation

Pipeline	>\$5/bl
Rail	\$10 - \$15/bl
Trucking	\$7 -\$15/bl

## Ocean Shipping Fuel Regulations

Price per barrel of oil with less than .5% sulfur to increase more than \$90 by 2020.

**Price Per Barrel:** Pricing can be upwards of a \$10 per barrel difference depending on API and sulfur percentage.

**Transportation:** Many pipelines in the US require sulfur content to be less than 2.2% while others charge a premium for the higher Sulfur crude oil.

**Ocean Shipping:** Ocean Fleets are required to use fuel with less than .5% sulfur by 2025. This can cause low sulfur crude oil to skyrocket in pricing and cause a decrease in pricing for high sulfur crude oil.

# TESTING

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Test performed by:



Oil Type: Zuata 300 from Venezuela,  
received from Saybolt Labs.

Starting sulfur: 3.57%  
Sulfur after process: 1.26%  
% Reduction: 64.71%

Additional Testing in progress

SANTA FE RESOURCE DEVELOPMENT, INC.  
12655 NORTH CENTRAL FREEWAY  
75243, Dallas  
United States



Attention of : Mr. S. Gorton  
Your reference : CRUDE OIL

#### Certificate of Quality

Report number : 13072/00006424.6/L/18  
Main Object : Submitted  
Report Date : 2018-06-19  
Date of issue : 2018-06-15  
Sample object : Submitted  
Sample type : Submitted  
Sample submitted as : Crude Oil  
Marked : Zuata 300 treatment 1x

Submitted date : 2018-06-14  
Sample submitted at : Saybolt LP, Deer Park  
Date received : 2018-06-15  
Date completed : 2018-06-15  
Sample number : 6760631

NAME	METHOD	UNIT	RESULT
Water and sediment	ASTM D 1796	vol %	38.0
Sulphur (S)	ASTM D 4294	mass %	1.26

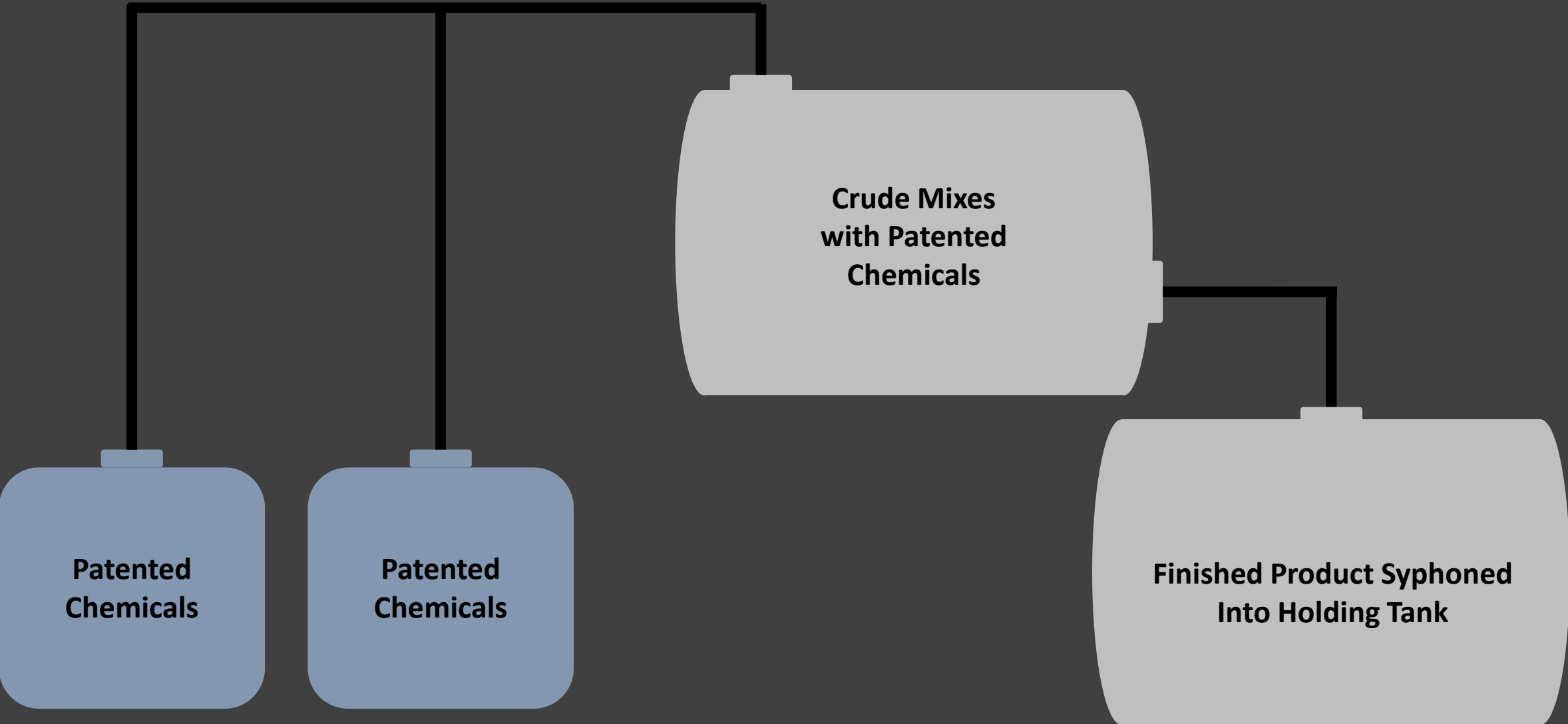
#### Test comments:

Sulphur (S) (ASTM D 4294): Run on centrifuged upper layer

Signed by: Robert A Simmons - Mgr II Laboratory  
Issued by: Saybolt LP  
Place and date of issue: Deer Park - 2018-06-15

# HOW IT WORKS

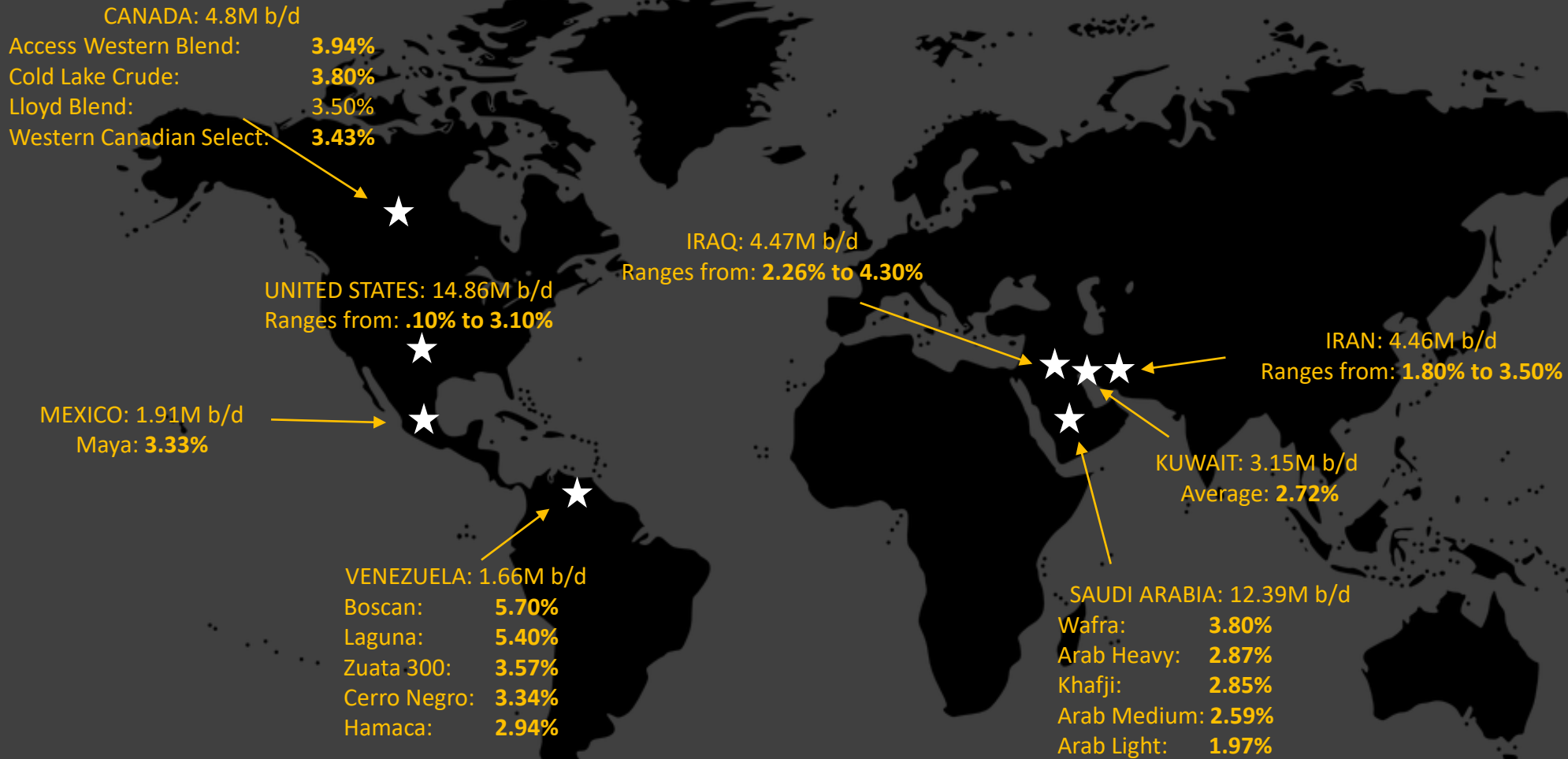
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# MARKET

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## SULFUR CONTENT



# MARKET

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**Oil Producers**



**Pipeline  
Operators**



**Chemical  
Companies**



**Refineries**

# TEAM

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## Stephen Gorton

Scientist/Product  
Development



20+ years experience inventing chemical technologies relating to crude oil, coal, waste water, and agriculture. His most recent success was patenting a hydrogen ionized fuel cell system. Specific to crude, Mr. Gorton invented a two-step process to reduce the sulfur content by 65%. This process is unique in that the chemical reactions re-bond metal ions to sulfur forming sulfur salts which drop out of the oil phase and into the water phase. Mr. Gorton has also created a revolutionary technology to neutralize salts so that ocean or sea water can be treated and utilized to grow food crops and other vegetation.

## Bob Shuey

CEO

30+ years in Corporate Finance

Began his career with Salomon Brothers, then Rauscher Peirce, and has been advising companies in a wide range of industries

## Bobby Shuey

COO

Founded Cortaga Inc., 10 years  
in commercial insurance for  
national accounts

## Peter Voldness

VP of Capital Markets

30+ years in Corporate Finance  
Currently CEO of VTM Capital, was  
Founder and CEO of Emergent  
Financial, Structured and funded over  
50 ventures



# RAISE

Patent Pending

## Total Raise

Worldwide Patent:	\$40,000
Patent Lawyer:	\$60,000
Equipment:	\$800,000
Working Capital:	<u>\$600,000</u>
<b>Total Investment:</b>	<b>\$1,500,000</b>

## ROI

Cost of Product:	\$3.00 Per Barrel
Value increase:	\$7.00 - Estimated
<b>ROI:</b>	<b>130% - Estimated</b>