

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer <b>Deutch Oil Company</b>	Lease No.	Date <b>4/12/2017</b>
Lease <b>Zink B</b>	Well # <b>1-4</b>	
Field Order # <b>14923</b>	Station <b>Pratt, KS</b>	Casing <b>8 5/8</b>
Type Job	Depth <b>300</b>	County <b>Pratt</b>
	Formation <b>TD-300</b>	State <b>KS</b>
		Legal Description <b>4-265-11w</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
<b>8 5/8</b>				Pre Pad		Max		5 Min.
Depth <b>300</b>	Depth	From	To	Pad		Min		10 Min.
Volume <b>19</b>	Volume	From	To	Frac		Avg		15 Min.
Max Press	Max Press	From	To			HHP Used		Annulus Pressure
Well Connection	Annulus Vol.	From	To	Flush <b>Freshwater</b>		Gas Volume		Total Load
Plug Depth <b>280</b>	Packer Depth	From	To					

Customer Representative <b>Mike Kerns</b>	Station Manager <b>D. G. &amp; Scott</b>	Treater <b>Darin Franklin</b>
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Service Units	<b>92911</b>	<b>38119</b>	<b>19520</b>	<b>70859</b>	<b>19862</b>				
Driver Names	<b>Darin</b>	<b>Chad</b>	<b>Chad</b>	<b>Darin</b>	<b>Bryan</b>				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<b>12:30pm</b>					<b>on location / safety meeting</b>
					<b>200SK 12 serv lite, 6% Gel, 3% CC</b>
					<b>YU &amp; Cellulose, 13.3 pps, 1.66 veils, 8.39 water</b>
					<b>200SK Common Cement, 3% CC, 2% Gel</b>
					<b>YU &amp; Cellulose, 15.0 pps, 1.34 veils, 6.13 water</b>
<b>3:00pm</b>	<b>100</b>		<b>3</b>	<b>4 1/2</b>	<b>Pump 3 bbls water</b>
	<b>100</b>		<b>59</b>	<b>4 1/2</b>	<b>mix 200SK Legd</b>
	<b>100</b>		<b>48</b>	<b>4 1/2</b>	<b>mix 200SK T9.1</b>
	<b>100</b>		<b>17 3/4</b>	<b>4 1/2</b>	<b>Displace 17 3/4 water</b>
<b>3:30pm</b>					<b>Shut in</b>
					<b>Cement bit circulation 10 bbls</b>
					<b>Job complete / Darin &amp; crew</b>
					<b>Thank you!!</b>



Customer <i>Deutsch Oil Company</i>		Lease No.		Date <i>4/19/17</i>	
Lease <i>Zink B</i>		Well # <i>1-4</i>			
Field Order # <i>15040A</i>	Station <i>Pratt KS</i>	Casing <i>5 1/2</i>	Depth	County <i>Pratt</i>	State <i>KS</i>
Type Job <i>5 1/2 Long String 242</i>			Formation	Legal Description <i>Sec 4 Twp 26S R 11W</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>5 1/2 15.5</i>	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth <i>4118.10</i>	Depth	From	To	Pre Pad		Max		5 Min.
Volume <i>99.0107</i>	Volume	From	To	Pad		Min		10 Min.
Max Press <i>2000</i>	Max Press	From	To	Frac		Avg		15 Min.
Well Connection <i>5 1/2</i>	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush		Gas Volume		Total Load

Customer Representative <i>Mike Kern</i>	Station Manager <i>Justin Westerman</i>	Treater <i>Scott C.</i>
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Service Units <i>8950</i>	<i>78982</i>	<i>86779</i>	<i>84980</i>	<i>19860</i>				
Driver Names <i>Scott Shaw</i>	<i>-</i>	<i>-</i>	<i>Clymer</i>	<i>-</i>				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>12:50</i>					<i>On Location Safety meeting Rig up</i>
<i>3:00</i>					<i>Run Float Equipment Basket #6</i>
					<i>Turbo's 1, 3, 5, 7, 9, 11</i>
<i>4:50</i>					<i>Break circulation start rotating</i>
<i>5:45</i>	<i>150</i>			<i>4</i>	<i>Pump H2O Spacer</i>
<i>5:46</i>	<i>150</i>		<i>5</i>	<i>4</i>	<i>Pump 500 gallons Mud Flush</i>
<i>5:49</i>	<i>200</i>		<i>12</i>	<i>4</i>	<i>Pump H2O Spacer</i>
<i>5:51</i>	<i>300</i>		<i>5</i>	<i>5</i>	<i>Mix 150 SKS AAZ 15.3. ppg</i>
<i>6:00</i>	<i>0</i>		<i>36.4</i>	<i>0</i>	<i>Shut down</i>
<i>6:01</i>					<i>Wash pump + lines clean</i>
<i>6:03</i>					<i>Release Plug</i>
<i>6:04</i>	<i>150</i>			<i>6</i>	<i>start Displacement</i>
<i>6:17</i>	<i>350</i>		<i>67</i>	<i>6</i>	<i>lift Pressure</i>
<i>6:20</i>	<i>550</i>		<i>20</i>	<i>3.3</i>	<i>Reduce Rate stop Rotating</i>
<i>6:23</i>	<i>650</i>		<i>10.5</i>	<i>3.3</i>	<i>Plug landed</i>
<i>6:23</i>	<i>1500</i>			<i>3.3</i>	<i>Pressure up on Plug Held</i>
<i>6:25</i>	<i>0</i>				<i>Release Pressure NO Returns</i>
<i>6:28</i>	<i>40</i>			<i>3</i>	<i>Plug Rat hole 30SKS 60140 P02</i>
<i>6:30</i>			<i>7.5</i>		<i>Shut down</i>
<i>6:35</i>					<i>Wash up Equipment</i>
<i>6:50</i>					<i>Job Complete</i>