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# TREATMENT REPORT

Customer <i>DEUTSCH</i>	Lease No.	Date <i>02-15-15</i>
Lease <i>Nelson</i>	Well # <i>4-4</i>	
Field Order # <i>10078</i>	Station <i>PRATT KS</i>	Casing <i>8 7/8</i>
		Depth <i>280'</i>
Type Job <i>CNW 8 7/8 Surface</i>	Formation	County <i>PRATT</i>
		State <i>KS</i>
		Legal Description <i>4-26-11</i>

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
<i>8 7/8</i>				Pre Pad	Max		5 Min.
Depth <i>280</i>	Depth	From	To	Pad	Min		10 Min.
Volume <i>14.5</i>	Volume	From	To	Frac	Avg		15 Min.
Max Press <i>300</i>	Max Press	From	To		HHP Used		Annulus Pressure
Well Connection <i>PC</i>	Annulus Vol.	From	To	Flush	Gas Volume		Total Load
Plug Depth <i>280</i>	Packer Depth	From	To				

Customer Representative	Station Manager <i>DAVE SCOTT</i>	Treater <i>Robert J. D</i>
Service Units <i>32900</i>	<i>27463</i>	<i>27808</i>
Driver Names <i>Sullivan</i>	<i>Kuemin</i>	<i>ECHAVARRIA</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>9:30</i>					<i>on loc soft, meet</i>
					<i>run 8 7/8 csg.</i>
<i>11:15</i>					<i>CASING ON BOTTOM</i>
<i>11:25</i>			<i>3</i>	<i>3.5</i>	<i>H SAKAR</i>
			<i>41</i>	<i>4.5</i>	<i>MIX CONT 175 SK COMM 390cc 1/4 CF</i>
					<i>cont mix-d shut down</i>
					<i>Release Plug</i>
				<i>3</i>	<i>H Disp</i>
<i>12:00</i>	<i>400</i>		<i>16.5</i>		<i>Plug down</i>
					<i>1 cnc 15 BBL cont Pict</i>
					<i>Jobs Complete</i>
					<i>Thank you</i>



# TREATMENT REPORT

**services, L.P.**

Lease No. \_\_\_\_\_ Date 02-21-14  
 Well # 4-4 County PRA TT State KS  
 Casing 5 1/2 Depth \_\_\_\_\_  
 Field Order # 10081 Station PRA TT KC Formation \_\_\_\_\_ Legal Description 4-26-11  
 Type Job CNW 5 1/2" 1st string

PIPE DATA				PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP		
<u>5 1/2</u>				Pre Pad		Max		5 Min.		
<u>4 1/2</u>	Depth	From	To	Pad		Min		10 Min.		
<u>4 1/2</u>	Volume	From	To	Frac		Avg		15 Min.		
<u>1500</u>	Max Press	From	To			HHP Used		Annulus Pressure		
<u>P.O.</u>	Well Connection	Annulus Vol.	From	To		Gas Volume		Total Load		
<u>4130</u>	Plug Depth	Packer Depth	From	To	Flush					

Customer Representative \_\_\_\_\_ Station Manager DAVE SCOTT Treater Robert J...  
 Service Units 37900 19889 19843 20959 19918

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
<u>3:00</u>					<u>on the softy medly</u>
					<u>run 5 1/2" esp.</u>
<u>7:50</u>					<u>Case in on Bottom</u>
<u>8:00</u>					<u>HOOK Rig circ. up.</u>
<u>8:35</u>	<u>200</u>		<u>5</u>	<u>3.5</u>	<u>at SPACER</u>
			<u>12</u>		<u>at mud fluid</u>
			<u>5</u>		<u>at SPACER</u>
				<u>4.5</u>	<u>mix cont 125 v AD cont 155 pps</u>
			<u>30</u>		<u>cont mixed shut down with LWD pump</u>
					<u>Release Plug</u>
				<u>6</u>	<u>at Drop</u>
					<u>LHIPS</u>
				<u>3.5</u>	<u>Slow Rate</u>
<u>9:19</u>	<u>1250</u>		<u>98</u>		<u>Plug down float HHO.</u>
			<u>7</u>		<u>plug R/L w/ 30K and mud w/ 70K</u>
					<u>SOB complete</u>
					<u>Thank you</u>