

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer: <b>Seneca Resources</b>	Lease No. <b>2011</b>	Date <b>1-1-14</b>
Lease <b>Block</b>	Well # <b>3 SWD</b>	
Field Order # <b>9128</b>	Station <b>Pratt</b>	Casing <b>13 3/8</b> Depth <b>377</b> County <b>Pratt</b> State <b>KS</b>
Type Job <b>CNW COND.</b>	Formation	Legal Description <b>3-26-11</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <b>13 3/8</b>	Tubing Size	Shots/Ft		Acid <b>195 SKS 12-500</b>	Rate <b>6%</b>	Press <b>290 cc</b>	ISIP <b>1/4 # SK</b>	C.F.
Depth <b>377</b>	Depth	From	To	Pre-Pad <b>150 SKS COND</b>	Max <b>290 cc</b>	1/4 # SK	5 Min.	
Volume <b>59.2</b>	Volume	From	To	Pad <b>50-500 COND</b>	Min <b>3%</b>		10 Min.	
Max Press <b>500</b>	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection <b>3</b>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <b>1570</b>	Packer Depth	From	To	Flush <b>58</b>	Gas Volume		Total Load	

Customer Representative <b>ROD MILLS</b>	Station Manager <b>KEVIN GOULLEY</b>	Treater <b>MIKE MARTIN</b>
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Service Units <b>37586</b>	19889	19843	19960	21010
Driver Names <b>MARTIN</b>	MARTIN	HAMBY		

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
12:05 PM					ON LOCATION / SAFETY MEETING
1:15					CSGS ON BOTTOM
2:24	150		30	6	PUMP 30 BBL H <sub>2</sub> O
2:30	150		57	6	MIX 195 SKS 12-500 LTR
2:40	100		32	5	MIX 150 SKS CONDENSED
2:50	100			5	START VIB.
3:10	200		58		PLUG DOWN SHUT IN WELL
					NO COMMENT TO SURFACE
9:40			9	2	MIX 50 SKS CONDENSED, 1" BETWEEN
					13 3/8 AND WIRE HOLE
9:45					COMMENT TO SURFACE.

JOB COMPLETE  
THANK YOU!  
MIKE MARTIN

Customer <i>SENECA - RASOINACES</i>	Lease No.	Date <i>01-04-13</i>
Lease <i>ROCK 2-SWD</i>	Well #	
Field Order # <i>9694</i>	Station <i>PRATT KS</i>	Casing <i>9 5/8</i>
		Depth <i>1902'</i>
Type Job <i>CNW 9 5/8 surface</i>	Formation	County <i>PRATT</i>
		State <i>KS</i>
		Legal Description <i>3-26-11</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>9 5/8</i>	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth <i>1902</i>	Depth	From	To	Pre Pad	Max			5 Min.
Volume <i>143.42</i>	Volume	From	To	Pad	Min			10 Min.
Max Press <i>800</i>	Max Press	From	To	Frac	Avg			15 Min.
Well Connection <i>P.O.</i>	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth <i>1801'</i>	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative	Station Manager <i>DAVE SCOTT</i>	Treater <i>Robert J. [Signature]</i>
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Service Units	<i>37900</i>	<i>33708</i>	<i>20920</i>	<i>19831</i>	<i>19862</i>	<i>19959</i>	<i>19860</i>			
Driver Names	<i>Gallin</i>	<i>GRAVES</i>	<i>PICERIN</i>	<i>HANSON</i>						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>10:15</i>					<i>on the set, ready</i>
					<i>Run 9 5/8 36" CSC.</i>
<i>10:40</i>					<i>CASING on Bottom</i>
<i>10:55</i>					<i>Rig Circ CSC.</i>
<i>12:15</i>	<i>200</i>		<i>3</i>	<i>4.5</i>	<i>At SAGCM</i>
			<i>167</i>	<i>5.5</i>	<i>At mix 340 sk A con cont 3% cc 1/4 CF</i>
			<i>64</i>		<i>11.6 ppd 2.77 yield 16.75 gal/sk</i>
					<i>st mix Tail 300 sk comm 2% cc 1/4 CF 15.5 ppd</i>
					<i>1.20 yield 5.23 gal/sk</i>
					<i>cont mix d shut down</i>
					<i>Relieve Plug</i>
			<i>113 1/2</i>	<i>6</i>	<i>At Pump 1'</i>
<i>1:15</i>	<i>150</i>		<i>90</i>		<i>Let</i>
<i>1:40</i>	<i>800</i>		<i>143 1/2</i>	<i>3.5</i>	<i>Plug down</i>
					<i>circled 0 Bbl cont pit</i>
					<i>DID NOT circ cont 1" IN 4 1/2 HIG</i>
					<i>SOB Complete</i>
					<i>FRANK [Signature]</i>

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## TREATMENT REPORT

Customer: Seneca Resources Corporation Lease No. \_\_\_\_\_ Date: 1-11-14  
 Lease: Bocht SWD. Well # 3  
 Field Order # 4837 Station Pratt, Kansas Casing 2 3/4" Depth 4,506 Feet County Pratt State Kansas  
 Type Job C.N.W. - Longstring Formation \_\_\_\_\_ Legal Description 3-265-11W

PIPE DATA		PERFORATING DATA		CEMENT + FLUID USED		TREATMENT RESUME		
Casing Size <u>2 3/4" b./ft.</u>	Tubing Size <u>2 3/4" b./ft.</u>	Shots/Ft. <u>80</u>	Shots/Ft. <u>80</u>	From <u>13.3</u>	To <u>171.3</u>	Rate <u>25 lb./sh.</u>	Pressure <u>1.62 CU.F</u>	ISIP <u>5 Min</u>
Depth <u>4,506 Feet</u>	Depth <u>4,506 Feet</u>	From <u>140</u>	To <u>140</u>	From <u>140</u>	To <u>140</u>	Max <u>25 lb./sh.</u>	Fluid Loss <u>1.62 CU.F</u>	Friction <u>19 Min</u>
Volume <u>12.6 Bbl.</u>	Volume <u>12.6 Bbl.</u>	From <u>140</u>	To <u>140</u>	From <u>140</u>	To <u>140</u>	Min <u>8.8</u>	Fluid Loss <u>1.62 CU.F</u>	Friction <u>19 Min</u>
Max Press <u>800 PSI</u>	Max Press <u>800 PSI</u>	From <u>140</u>	To <u>140</u>	From <u>140</u>	To <u>140</u>	Avg <u>5</u>	Fluid Loss <u>1.62 CU.F</u>	Friction <u>19 Min</u>
Well Connection <u>Plug Container</u>	Annulus Vol. <u>171.3 Bbl.</u>	From <u>140</u>	To <u>140</u>	From <u>140</u>	To <u>140</u>	WHP Used <u>1.54</u>	Fluid Loss <u>1.62 CU.F</u>	Annulus Pressure <u>15 Min</u>
Plug Depth <u>4,473 Feet</u>	Packer Depth <u>4,473 Feet</u>	From <u>140</u>	To <u>140</u>	From <u>140</u>	To <u>140</u>	Flush <u>171.3 Bbl.</u>	Gas Volume <u>171.3 Bbl.</u>	Total Load <u>171.3 Bbl.</u>

Customer Representative: Red Mills Station Manager: Kevin Gordley Treater: Clarence R. Messich

Service Units	<u>37,216</u>	<u>77,686</u>	<u>19,905</u>	<u>19,960</u>	<u>21,010</u>				
Driver Names	<u>Messich</u>	<u>Mc Graw</u>	<u>Young</u>						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<u>10:30</u>					<u>Truckson location and hold Safety meeting.</u>
<u>12:00</u>					<u>Casing in well. Circulate for 1 Hour.</u>
<u>1:15</u>					<u>Shut in well. Pressure Test. Open Well.</u>
<u>2:00</u>	<u>400</u>			<u>6</u>	<u>Start Fresh water Pre-Flush.</u>
	<u>400</u>		<u>20</u>	<u>6</u>	<u>Start mud Flush.</u>
	<u>400</u>		<u>32</u>	<u>6</u>	<u>Start Fresh water spacer.</u>
<u>2:06</u>	<u>500</u>		<u>52</u>	<u>5</u>	<u>Start mixing 80sacks A-ServLite cement.</u>
<u>2:10</u>	<u>500</u>		<u>75</u>	<u>5</u>	<u>Start mixing 140sacks Premium cement.</u>
	<u>-0-</u>		<u>113</u>		<u>Stop pumping. Shut in well. Wash per</u>
					<u>Release Top Rubber Plug. Open Well.</u>
<u>2:26</u>	<u>150</u>			<u>6.5</u>	<u>Start Fresh water Displacement.</u>
			<u>120</u>	<u>5</u>	<u>Start to lift cement.</u>
<u>3:00</u>	<u>1,100</u>		<u>171.3</u>		<u>Plug down.</u>
	<u>1800</u>				<u>Pressure up</u>
					<u>Release pressure. Float Collar &amp; shoe held.</u>
					<u>Wash up pump truck.</u>
<u>4:00</u>					<u>Job Complete.</u>
					<u>Thank You</u>
					<u>Clarence, Mitre, Steve</u>