



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
Liberal, Kansas

### Cement Report

Customer	CORAL COAST Pet. LC	Lease No.	HARDEN 1-17	Date	01-01-14
Lease	HARDEN	Well #	1-17	Service Receipt	1717-04373A
Casing	8 5/8"	Depth	612'	County	CLARK
Job Type	Z42 SURFACE	Formation	MORGANSON	State	KS
				Legal Description	17-32-21 API NO. 15-025-21570-00-00

Pipe Data		Perforating Data		Cement Data
Casing size	8 5/8"	Tubing Size	7 1/2"	Lead 175 sks - 12ppg A-LOW BLEND COMMON 3% C.C., 1/4" sk Cellulose
Depth	609'	Depth	612'	
Volume		Volume		Tail in 175 sks - 15.6ppg COMMON CEMENT 2% C.C., 1/4" sk Cellulose
Max Press		Max Press		
Well Connection		Annulus Vol.		
Plug Depth		Packer Depth		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1300					Called out
1600					ON LOCATION
1650					Run Float Equipment
1900					On Bottom - NO CIRCULATION
1915					Set up Head & Manifold
1935	100		77 BBLs	5'	Mix & Pump Lead Cement 12ppg
1955	100		37 BBLs	5'	Mix & Pump Tail Cement 15.6ppg
2010					Drop Plug
2015			36.3 BBLs	5'	Displace
2025	800				Land Plug 500psi to over 800psi
					Released Float Hold
					No Returns throughout Job
					WAIT - ORDER MORE CEMENT
					01-02-14 Top up
0030			23 BBLs	2	Mix & Pump 100 sks Common Cement with 3% C.C., 1/4" sk Cellulose, 5# sk Bisulphite 15.6ppg 1.3cuft sk
					No Returns - WAIT
0430	0130		27 BBLs	2	Mix & Pump 150 sks NEAT C Cement with 3 sks Calcium Chloride 1.7ppg = .98cuft sk.
					Full Returns to SURFACE
					Job Completed - Thanks

Service Units	21755	77686-19905	19959-19860	70959-19918	
Driver Names	Roger	Michael	Jesse	Pat	

Cecil

Customer Representative

Jerry Bennett

Station Manager

Roger Brown

Cementor

Taylor Printing, Inc.

Customer <i>CORAL-COAST RH</i>		Lease No.		Date <i>01-16-14</i>	
Lease <i>HARDEN</i>		Well # <i>1-17</i>			
Field Order # <i>9781</i>	Station <i>PRATT KS</i>	Casing <i>N.P</i>	Depth	County <i>CLARK</i>	State <i>KS</i>
Type Job <i>CNW P.T.A</i>		Formation		Legal Description <i>17-32-21</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
Depth	Depth	From	To	Pre Pad	Max		5 Min.	
Volume	Volume	From	To	Pad	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	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>20970</i>	<i>19826</i>	<i>73708</i>				
Driver Names	<i>Sullivan</i>	<i>GRAVES</i>	<i>Harby</i>						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>10:00</i>					<i>on the start med,</i>
					<i>P.T.A.</i>
					<i>sturdy</i>
<i>10:35</i>			<i>5</i>		<i>Plug @ 1050' w/ 50 sk / 60 pp / 0.2</i>
			<i>10.5</i>		<i>SPACER</i>
<i>10:40</i>			<i>5</i>		<i>Disc &amp; shot down</i>
					<i>Plug @ 640' w/ 50 sk</i>
<i>11:00</i>			<i>5</i>		<i>SPACER</i>
			<i>10.5</i>		<i>cut</i>
<i>11:06</i>			<i>3</i>		<i>Disc &amp; shot down</i>
<i>11:40</i>					<i>Plug TOP 50' w/ 30 sk / 100 pp / 0.2</i>
					<i>Plug RH w/ 30 sk</i>
<i>12:00</i>					<i>Plug MH w/ 30 sk</i>
					<i>SOB Complete</i>
					<i>THANK YOU [Signature]</i>