

**Sanjel** ★  
A Specialized Energy Service Company

***This service ticket is not an invoice; pricing is subject to review and change without notice.***

U4006 REV.0. 06/08

# Primary Cementing Service Report



SERVICE TICKET

# 9152211

Client Name <i>Augustus Energy</i>	Well Name <i>Edens 24-17</i>	Job Date <i>8-13-10</i>
Client Representative <i>Justin Stone</i>	Location <i>Sec 17-T15-R44W</i>	Job Type <i>Production</i>

Well & Cement Plug Data:

Description	Size (in)	Weight (lb/ft)	Grade	Max. Press. (psi)	True Measured Depth (TMD)		Capacity (bbls)	Casing Attachments and Tools	TMD (ft)
					Start (ft)	End (ft)			
Drill Pipe/Tubing								Guide/Float Shoe	
Open Hole	<i>6 1/4</i>				<i>372</i>	<i>2513</i>	<i>.0183</i>	Float Collar	
Casing	<i>4 1/2</i>	<i>10.5</i>			<i>0</i>	<i>2500.99</i>	<i>.0158</i>	MSSC	
Surface	<i>7</i>	<i>20</i>			<i>0</i>	<i>372</i>	<i>.0208</i>	ECP	
								Liner Hanger	
								Latch down Plug	<i>2458.87</i>
								<i>1 x 4 1/2 in rubber</i>	Cementing Plugs

Fluid and Cement Data:

Drilling Fluid:		Type:	Density: (lb/gal)		YP:	PV:	Temp: (°F) Water:		Bulk:	Slurry:
#	Sacks	Volume (bbls)	Density (lb/gal)	Description	% - Additive	% - Additive	% - Additive	% - Additive	% - Additive	% - Additive
<i>1</i>		<i>10</i>	<i>8.3</i>	<i>H2O</i>						
<i>2</i>	<i>89</i>	<i>38.8</i>	<i>12.0</i>	<i>Type III</i>	<i>1.0% SMS</i>	<i>1.0% CaCl2</i>	<i>2.0% OGC-60</i>			
					<i>1/4 1/2 x Poly Flake</i>		<i>Y 2.45</i>		<i>W 14.30</i>	
<i>3</i>	<i>83</i>	<i>17</i>	<i>15.9</i>	<i>0.1:1.0 "G"</i>	<i>.25% CFR-2</i>	<i>.6% CFL-3</i>	<i>1.0% CaCl2</i>			
					<i>.2% SPC-2</i>	<i>1/4 1/2 x Poly Flake</i>	<i>Y 1.15</i>		<i>W 4.97</i>	
<i>4</i>		<i>39</i>	<i>8.3</i>	<i>H2O</i>						

Treatment Report:

Event #	Time	Pressure (psi)		Rate (bbls/min)	Stage Volume (bbls)	Total Volume (bbls)	Remarks
		Tubular	Annular				
							Arrive on Location - Time Requested:
							Safety Meeting
							Pressure Test Surface Treating Lines
							Drop Top Plug
							Displace Plug
							Bump Plug
Fluid Returns		Type: <input type="checkbox"/> Well <input type="checkbox"/> Preflush/Spacer <input checked="" type="checkbox"/> Cement			Vol: (bbls) <i>16</i>	SAM Card #:	Start: Finish:

Personnel & Equipment:

Employee	Unit #	Arrive	Depart	Travel Bonus	Bin #
<i>A. Schimmel</i>	<i>250046</i>	<i>700</i>	<i>1030</i>		
<i>L. Kalivas</i>	<i>746060</i>				
<i>R. Carwin</i>	<i>746047</i>				
<i>R. Berker</i>	<i>746047</i>				

Service Comments:



# 9152211

Client Name <b>Augustus Energy</b>		Area <b>Yuma CO</b>		Job Date <b>8-13-10</b>	
Client Representative <b>Justin Stone</b>		Well Name <b>Edens 24-17</b>		Job Type <b>Production</b>	
Supervisor <b>Adam Schimmel</b>		L.S.D. <b>Sec 17-T 15-R 44W</b>		BHT°F	
				Formation	
<b>TANK #1</b>		<b>TANK #2</b>		<b>TANK #3</b>	
<b>TANK #4</b>		<b>TANK #5</b>			
Specific Source	<b>Rig tank</b>				
Appearance	<b>clear</b>				
Temperature (°F)	<b>72</b>				
pH	<b>7</b>				
Color	<b>None</b>				
Odor	<b>None</b>				
Blend					
Water Sample Required	Yes / No				
Bulk Truck Sample Required	Yes / No				

### PRE-JOB DATA

Ion	Titer	Hach Factor	Concentration
pH	7		ppm
Ca**	116	0.801	mg/l
Ca**/Mg**	117	0.801	mg/l
Cl	33	2	mg/l
P1 if pH is >8.3		2	mg/l CaCO <sub>3</sub>
T1		2	mg/l CaCO <sub>3</sub>

## COMMENTS

Supervisor:

Customer:

WHITE - SERVICE SUPERVISOR

YELLOW - CUSTOMER

PINK-LAB

GOLDENROD - IN BOOK

## PRE-JOB SAFETY MEETING - JOB SAFETY ANALYSIS (JSA)

Customer Name: Augusta Date: 8-13-2010 Service Ticket No.: 9152211

Total People on Location: (11) Location: Way Co.

**Emergency Response Plan:** (muster point, emergency procedures, location of emergency shower, eyewash station, fire extinguishers, first aid kits)  
meet on Edge of location where Rd comes onto. Closest Hosp is Way  
Sanjel PR Emergency Vehicle

How do we signal "STOP WORK"? make X with arms or finger across throat.

**Safety Meeting Discussion:** (Topics should include brief job scope, PPE, site specific hazards, environmental issues, people's responsibilities)  
Job procedure, Wash lines to pit. Pressure test. Lines to 2000 psi  
Stay clear of lines during job. Wash cement off if you get it on you  
Kullers wear dust masks, watch your surroundings.

### Job Safety Analysis:

1. Break the job down into steps.	2. Identify the hazards associated with each step.	3. Develop ways to control the hazards.
Sequence of Basic Job Steps	Potential Hazards	Recommended Controls
Spot Sanjel Equipment	Backing	Use Load guide
Rig in	Biological Agents	Team lift, watch surroundings
Pump job	High Pressure	Stay away from lines
Rig out	Electrical	Control voltage situation
	Fire / Explosion	PPE
	Mechanical	
	Pressure	
	Radiation	
	Temperature Extremes	

**Attendees:** (Print name and sign. If there are not enough lines use a second document from this book and enter the same Service Ticket No.)

Guerra Coliva Lauretalan  
Ron Carwin  
Robert Barker

**Customer Representative:**

Justin Stone  
 Print Name

Justin Stone  
 Signature

**Sanjel Supervisor:**

Adam Schimmel  
 Print Name

Adam Schimmel  
 Signature