

CEMENTING LOG

Date **7/24/2014** District **Liberal # 21** Ticket No. **61501**
 Company **American Warrior** Rig **Duke 9**
 Lease **Handy** Well No **8-29**
 County **Seward** State **KS**

Location _____
 Field _____
 Casing Data Conductor PTA Squeeze Misc.
 Surface Intermediate Production Liner
 Size **8 5/8** Type _____ Weight **24#** Collar _____

Casing Depths Top _____ Bottom **1700.2**

Drill Pipe: BBLs/LIN. FT _____ LIN. FT/BBL _____
 Open Hole: BBLs/LIN. FT _____ LIN. FT/BBL _____
 Capacity Factors: BBLs/LIN. FT _____ LIN. FT/BBL _____
 Casing BBLs/LIN. FT **0.0636** LIN. FT/BBL _____
 Open Holes BBLs/LIN. FT _____ LIN. FT/BBL **13.6037**
 Drill Pipe BBLs/LIN. FT _____ LIN. FT/BBL _____
 Annulus BBLs/LIN. FT _____ LIN. FT/BBL _____
 BBLs/LIN. FT _____ LIN. FT/BBL _____
 Perforations From _____ ft to _____ ft Amt _____

CEMENT DATA
 Spacer Type _____ Water _____
 Amt. _____ Sks Yield _____ ft³/sk Density **8.33** PPG

LEAD: Time _____ hrs. Type **Class A**
6% gel, 0.5 lbs/sk flo-seal, 3% calcium chloride Excess **100%**
 Amt. **700** Sks Yield **2** ft³/sk Density **12.46** PPG
 TAIL: Time _____ hrs. Type **Class A Common**
3% calcium chloride, 0.25#/sk flo-seal Excess **100%**
 Amt. **200** Sks Yield **1.2** ft³/sk Density **15.6** PPG
 WATER Lead **10.9** Gal/sk Tail **5.2** Gal/sk Total **187** BBLs

Pump Trucks Used: **868-541**
 Bulk Equipment **955-528**
869-554

Float Equipment: Manufacturer _____
 Shoe: Type **REGULAR GUIDE SHOE** Depth _____
 Float: Type **AFU FLOAT VALVE** Depth _____
 Centralizers: Quantity **3** Plugs Top **1** Bottom _____
 Stage Collars **Cement Basket**
 Special Equipment _____
 Disp: Fluid Type **FRESH WATER** Amt **105** bbls Weight **8.33** PPG
 Mud Type _____ Weight _____

COMPANY REPRESENTATIVE _____ CEMENTER **Jon Burgess**

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	
1500						Got to location & spotted trucks
1600						Rigged Up Trucks. Rig running casing
1700						Casing on bottom. Will stab cmt head to circulate
1745						Performed safety meeting
1755		1120				Pressure tested lines 1000 psi
1800		220		5	5	Pump 5 bbls of fresh water
1801		100		249	6	Pump 625 sks of lead cmt (223 bbls @12.5)
1852		80		43	5	Pump 200 sks of tail cmt (43 bbls @15.6)
1912						Shutdown / Drop top plug
1912		80			6	Pump 105 bbls of displacement
1920		140		70	6	Cement back to surface. 50 bbls of cement back to pit
1929		450		95	3	Slow rate to bump plug
1932		520		105	3	Bumped plug. Landed at 520 psi and took up to 1120 psi
1934						Check floats. 0.5 bbl back
1935						End job. Shut in head & left on casing for 4 hrs.
1940						Rig down trucks
2030						Crew leave location

FINAL DISP. PRESS. **520** PSI BUMP PLUG TO **1120** PSI BLEEDBACK **0.50** BBLs **THANK YOU**



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.
Liberal, Kansas 67905
Phone 620-624-2277

FIELD SERVICE TICKET
1717 04830 A

DATE _____ TICKET NO. _____

DATE OF JOB <i>08-04-14</i>	DISTRICT <i>1717 Liberal</i>	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:	
CUSTOMER <i>Palmer D. / American Warrior</i>		LEASE <i>Hardy</i>		10-29 WELL NO.				
ADDRESS		COUNTY <i>Seward</i>		STATE <i>KS</i>				
CITY		STATE		SERVICE CREW <i>Roger - Carlos - Norma - Santiago</i>				
AUTHORIZED BY <i>Serry Bonnett</i>		JOB TYPE: <i>242 5 1/2" LS</i>						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	TIME
<i>38750-19842</i>	<i>6</i>					<i>08-04-14</i>	<i>AM</i>	<i>0500</i>
<i>21755</i>	<i>6</i>					ARRIVED AT JOB	<i>11</i>	<i>AM</i>
<i>30963-19566</i>	<i>6</i>					START OPERATION	<i>11</i>	<i>AM</i>
<i>19827-19883</i>	<i>6</i>					FINISH OPERATION	<i>11</i>	<i>AM</i>
						RELEASED	<i>11</i>	<i>AM</i>
						MILES FROM STATION TO WELL	<i>15</i>	

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *Emilio Rojas*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CL105	AA2 Cement	SK	450		8190 00
CL103	60/40 P22	SK	50		600 00
CC113	Gypsum	lb.	2115		1586 25
CC111	SAT	lb.	2490		1245 00
CC103	C-15	lb.	254		3175 00
CC105	C-41-P	lb.	106		424 00
CC201	Eilsoite	lb.	2250		1507 50
CF1251	Auto Fill Plots shoe 5 1/2"	EA	1		360 00
CF607	Catch Down Plug and Baffle 5 1/2"	EA	1		400 00
CF4452	Economizer Flanged, Welded Connections - Turbopis	EA	12		900 00
CF3000	Industrial Rubber Thread Lock Kit	EA	1		34 00
CE155	Superflush II	gal	500		765 00
E101	Heavy Equipment Mixture	mi	45		315 00
CE240	Blending & Mixing Service Charge	SK	500		700 00
E113	Proppant and Bulk Delivery Charges	TWMI	350		768 90
CE207	Depth Change 6001-7000'	4 hrs	1		3240 00
CE504	Plug Container Utilization Charge	job	1		250 00
E100	Unit Mixture Change - Pick up	mi	15		63 75
S003	Service Supervision, first 8 hrs on loc	EA	1		175 00
SUB TOTAL					18166 86
TOTAL					17916 86

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE *Roger Brown*
FIELD SERVICE ORDER NO. _____

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Emilio Rojas*
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



Cement Report

Customer <i>Palmer Oil / American Warrior</i>	Lease No. <i>10-29</i>	Date <i>08-04-14</i>
Lease <i>Handy</i>	Well # <i>1029</i>	Service Receipt <i>1717-04830 A</i>
Casing <i>5 1/2"</i>	Depth <i>6553'</i>	County <i>Seawal</i> State <i>KS</i>
Job Type <i>5 1/2" LS</i>	Formation	Legal Description <i>29-34-31</i>

Pipe Data		Perforating Data		Cement Data
Casing size <i>5 1/2"</i>	Tubing Size	Shots/Ft		Lead
Depth <i>6553'</i>	Depth	From	To	Tail in <i>450 sks 14.8 spgs</i> <i>AA2-Cement 5#</i> <i>50% W-60</i> <i>100% salt</i> <i>100% C-15</i> <i>114# Deformin</i>
Volume	Volume	From	To	
Max Press	Max Press	From	To	
Well Connection	Annulus Vol.	From	To	
Plug Depth <i>6530</i>	Packer Depth	From	To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>0430</i>					<i>Called Dnt</i>
<i>0600</i>					<i>On Location</i>
<i>0620</i>					<i>Safety Meeting</i>
<i>0640</i>					<i>Set up</i>
<i>1110</i>					<i>On Bottom Line</i>
<i>1130</i>					<i>Mix Rat Hole & Mouse Hole Cement</i>
<i>1140</i>	<i>100</i>		<i>12</i>	<i>4</i>	<i>Pump 12 Bbls Surfactant</i>
<i>1144</i>	<i>100</i>		<i>121</i>	<i>5</i>	<i>Mix & pump Cement 14.8 spgs</i>
					<i>Finished Mixing Cement</i>
					<i>Washup</i>
					<i>Drop Plug</i>
<i>1230</i>			<i>155</i>	<i>6-2</i>	<i>Displace</i>
<i>1230</i>	<i>1200</i>				<i>Land Plug 1200psi</i>
<i>1300</i>					<i>Release</i>
					<i>Hoops Held</i>
					<i>Breakup</i>
					<i>Job Completed</i>
					<i>THANKS</i>

Service Units	<i>21755</i>	<i>38150-19842</i>	<i>30463-19866</i>	<i>19827-19883</i>	
Driver Names	<i>Rogen</i>	<i>Carlos</i>	<i>Wanda</i>	<i>Stanley</i>	<i>0</i>

Emilio Rogen
Customer Representative

Jeray Bonnett
Station Manager

Rogen Brown
Cementer