



# CEMENTING LOG

STAGE NO. \_\_\_\_\_

Date 10-15-73 District \_\_\_\_\_ Ticket No. 52244  
 Company Duke Rig # 9  
 Lease Loretta Well No. 36-1  
 County Stevens State NJ  
 Location Vel Big Bow KS Field \_\_\_\_\_

CEMENT DATA:  
 Spacer Type: H<sub>2</sub>O  
 Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
10 bbls

CASING DATA: Conductor  PTA  Squeeze  Misc   
 Surface  Intermediate  Production  Liner   
 Size 8 5/8 Type \_\_\_\_\_ Weight 24# Collar \_\_\_\_\_

LEAD: Pump Time \_\_\_\_\_ hrs. Type 45-35 6% gel  
2 bbl 1/4 # Plo Seal Excess \_\_\_\_\_  
 Amt. 625 Skys Yield 1.97 ft<sup>3</sup>/sk Density 12.4 PPG  
 TAIL: Pump Time \_\_\_\_\_ hrs. Type CLASS A  
3 bbl 1/4 # Plo Seal Excess \_\_\_\_\_  
 Amt. 1200 Skys Yield 1.16 ft<sup>3</sup>/sk Density 15.6 PPG  
 WATER: Lead \_\_\_\_\_ gals/sk Tail \_\_\_\_\_ gals/sk Total \_\_\_\_\_ Bbls.

Casing Depths: Top 0 Bottom 1762

Pump Trucks Used 547-550  
 Bulk Equip. 774-744-956-201

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 12 1/4 T.D. 1765 ft. P.B. to \_\_\_\_\_ ft.

Floater Equipment: Manufacturer Weather Ford  
 Shoe: Type Guide shoe Depth \_\_\_\_\_  
 Float: Type AFU float in set Depth \_\_\_\_\_  
 Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. \_\_\_\_\_  
 Disp. Fluid Type \_\_\_\_\_ Amt. \_\_\_\_\_ Bbls. Weight \_\_\_\_\_ PPG  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. .0637 Lin. ft./Bbl. 15.7  
 Open Holes: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. .0735 Lin. ft./Bbl. 13.6  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

COMPANY REPRESENTATIVE Samuel Vignone CEMENTER Ben Bjo

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
10:00						On location
8:45						Rigged up to well
8:50	2,000					Test lines 2,000
8:55	200		10		4	10 bbl of H <sub>2</sub> O ahead
9:00	250		229		6	Mixing lead cement at 12.4
9:38	300		271		5	Mixing tail cement at 15.6
9:45						Shut down to release plug plug left head
9:48	100		281		6	10 bbls gone
10:05	550		380		6	landed plug 1200psi release psi float holding 50 bbl of cement to surface
10:30						leaving location Thank You



# BASIC<sup>SM</sup>

ENERGY SERVICES

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

## FIELD SERVICE TICKET

1717 04530 A

PRESSURE PUMPING & WIRELINE

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB <b>10/22/13</b>	DISTRICT <b>1717</b>	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 <b>Palmer Oil/American Warrior</b>		LEASE <b>Loretta 36-1</b>		WELL NO.					
ADDRESS		COUNTY <b>Stevens</b>		STATE <b>KS</b>					
CITY		STATE		SERVICE CREW <b>Tommy/Santiago</b>					
AUTHORIZED BY <b>Tyce JRB</b>		JOB TYPE: <b>Z4Z 5 1/2 L.S.</b>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM PM	TIME
<b>178939</b>	<b>7.5</b>								<b>5:00</b>
<b>39273 39926</b>	<b>7.5</b>					ARRIVED AT JOB			<b>7:00</b>
<b>14354 19578</b>	<b>7.5</b>					START OPERATION	<b>5/23/13</b>		<b>12:49</b>
						FINISH OPERATION			<b>2:06</b>
						RELEASED			<b>2:30</b>
						MILES FROM STATION TO WELL	<b>50</b>		

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

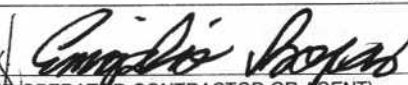
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. 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:   
 (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CL105	AA-2 Cement	✓ SK	200		3640 00
CL103	60/40 POZ	SK	50		600 00
CC113	Gypsum	✓ Lb	940		705 00
CC111	Salt	✓ Lb	1,077		553 50
CC103	C-15	✓ Lb	113		1412 50
CC105	C-41P	✓ Lb	47		188 00
CC201	Gilsonite	✓ Lb	1000		670 00
CF1751	Auto Oil Float Shoe	✓ EA	1		360 00
CF607	Latch Down 14B	✓ EA	1		400 00
CF4452	Centralizers	✓ EA	12		900 00
CF4552	Basket	✓ EA	1		955 00
CF3000	Thread Lock	✓ EA	1		34 00
CC151	Mud flush	✓ EA	500		430 00
E101	Heavy Equip Mileage	Mi	100		700 00
CF240	Blending & Mixing Charge	SK	250		350 00
E113	Bulk Delivery	Tm	578		924 00
CE207	Depth Charge 6000' to 7000'	4hr	1		3240 00
CE504	Plug Container	50lb	1		250 00
E100	Pickup Mileage	Mi	50		212 50
SUB TOTAL					<b>11,212.17</b>

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE <b>Chad Hinz</b>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY  (WELL OWNER, OPERATOR OR CONTRACTOR OR AGENT)
FIELD SERVICE ORDER NO.	





### Cement Report

Customer <i>Palmer Oil/American Warrior</i>	Lease No.	Date <i>10/22, 23/13</i>
Lease <i>Loretta</i>	Well # <i>36-1</i>	Service Receipt
Casing <i>5 1/2</i>	Depth	County <i>Stevens</i>
Job Type <i>L.S.</i>	Formation	State <i>KS</i>
		Legal Description <i>36-31-39</i>

Pipe Data		Perforating Data		Cement Data
Casing size <i>5 1/2</i>	Tubing Size	Shots/Ft		Lead <i>200 SY</i>
Depth	Depth	From	To	<i>AA-2 @ 14.8#</i>
Volume	Volume	From	To	<i>1.51 6.64</i>
Max Press <i>2500#</i>	Max Press	From	To	Tail in
Well Connection <i>P.C.</i>	Annulus Vol.	From	To	
Plug Depth	Packer Depth	From	To	

0/23

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:00					<i>on loc, spot &amp; R.O., Safety mfg</i>
0:49	<i>3000</i>				<i>Test Lines</i>
0:52	<i>470</i>		<i>12</i>	<i>5</i>	<i>Pump mud flush</i>
0:54	<i>470</i>		<i>5</i>	<i>5</i>	<i>H2O spacer</i>
0:56					<i>Plug R+M</i>
0:12	<i>690</i>		<i>0</i>	<i>5</i>	<i>Start mixing @ 14.8#</i>
0:22	<i>0</i>		<i>54</i>	<i>0</i>	<i>Finished mixing, washup, Drop Pk,</i>
0:30	<i>200</i>		<i>0</i>	<i>5</i>	<i>Start Disp</i>
0:59	<i>910</i>		<i>138</i>	<i>2</i>	<i>slow Rate</i>
02:04	<i>920-1700</i>		<i>146</i>	<i>0</i>	<i>Plug Down</i>
02:06	<i>0</i>				<i>Release Psi, float held, Job Comp</i>
					<i>Thank You,</i>
					<i>Chad &amp; Crew.</i>

Service Units	<i>746939</i>	<i>3722337926</i>	<i>1435419574</i>		
Driver Names	<i>C. Hinz</i>	<i>T. Marcellus</i>	<i>S. Chwetz</i>		

Customer Representative \_\_\_\_\_ Station Manager *Jerry Bennett* \_\_\_\_\_ Cementer *Chad* \_\_\_\_\_ Taylor Printing, Inc.