

CEMENTING LOG

Date 12/5/2013 District Liberal # 21 Ticket No. 052123
 Company PALMER OIL Rig DUKE # 9
 Lease LAURA Well No 21-3
 County STEVENS State KS

CEMENT DATA
 Spacer Type 10 BBL FRESH WATER
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

Location _____
 Field _____
 Casing Data Conductor PTA Squeeze Misc.
 Surface Intermediate Production Liner
 Size 8 5/8 Type J-55 Weight 24 Collar _____

LEAD: Time _____ hrs. Type 65/35 - 6
3% CC, 1/4# FLOSEAL Excess _____
 Amt. 625 Sks Yield 1.97 ft³/sk Density 12.4 PPG
 TAIL: Time _____ hrs. Type CLASS A
3% CC, 1/4 # FLOSEAL Excess _____
 Amt. 200 Sks Yield 1.18 ft³/sk Density 15.6 PPG
 WATER Lead 10.9 Gal/sk Tail 5.3 Gal/sk Total _____ BBLs

Casing Depths Top _____ Bottom 1747.66

Pump Trucks Used: 530 - 484
 Bulk Equipment 868 - 841
869 - 842

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 _____
 Drill Pipe BBLS/LIN. FT _____ LIN. FT/BBL _____
 Annulus BBLS/LIN. FT 0.0735 LIN. FT/BBL _____
 BBLS/LIN. FT _____ LIN. FT/BBL _____
 Perforations From _____ ft to _____ ft Amt _____

Float Equipment: Manufacturer WEATHERFORD
 Shoe: Type REGULAR GUIDE SHOE Depth 1747.66
 Float: Type AFU INSERT FLOAT Depth 1705.31
 Centralizers: Quantity 3 Plugs Top 1 Bottom _____
 Stage Collars _____
 Special Equipment _____
 Disp: Fluid Type FRESH WATER Amt 108.5 bbls Weight 8.33 PPG
 Mud Type _____ Weight _____

COMPANY REPRESENTATIVE *Emilia Lopez*

CEMENTER KIRBY HARPER

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLs/MIN	
2000						ON LOCATION -- SPOT AND RIG UP
0200						CASING ON BOTTOM -- BREAK CIRCULATION
0215						SAFETY MEETING
0237	1500					PRESSURE TEST
0239	200			10	4	START PUMPING FRESH WATER
0244	200			219	6	START MIXING 625 SK 65/35 @ 12.4 PPG
0319	200			42	6	START MIXING 200 SK CLASS A @ 15.6 PPG
0347						SHUT DOWN -- DROP TOP PLUG
0353	200		0		6	START DISPLACING WITH FRESH WATER
0404	500		98		2	SLOW RATE
0410	500-1000		108			BUMP PLUG
0411	1000-0					RELEASE PRESSURE -- FLOAT HELD
				50		CIRCULATE CEMENT TO THE PIT

FINAL DISP. PRESS 500 PSI BUMP PLUG TO 1000 PSI BLEEDBACK 0.5 BBLs **THANK YOU**



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 09568 A

DATE _____ TICKET NO. _____

DATE OF JOB 12-15-13 DISTRICT PRATT		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 PA 104-1 Oil - HARRIS WATSON		LEASE CAWA WELL NO. 213								
ADDRESS		COUNTY STEVENS STATE KY								
CITY STATE		SERVICE CREW MATTHEW, MCGUIRE, KENNEDY, PIERSON								
AUTHORIZED BY		JOB TYPE: CNW LS								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
37586	1						12-15-13			5:05
						ARRIVED AT JOB				9:30
77686/19905	1					START OPERATION				2:00
						FINISH OPERATION				3:00
19831/19862	1					RELEASED				3:45
						MILES FROM STATION TO WELL				170

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
CP 105	AA-2	SK	200		3,400.00
CO 103	60/40 P02	SK	50		600.00
CC 113	54P sum	1B	940		705.00
CC 111	SAT	1B	1107		555.50
CC 103	C-15	1B	113		1,412.50
CC 105	C-41P	1B	47		188.00
CC 201	GILSONITE	1B	1000		670.00
CC 1251	AUTO FILL FLOW SHUT 5 1/2	EA	1		360.00
CC 607	ATCH OWN Plug + BACKUP 5 1/2	EA	1		400.00
CC 4452	CONTRACTOR 5 1/2	EA	12		900.00
CC 4552	BACKUP 5 1/2	EA	1		955.00
CC 151	MUD FLUSH	GM	500		430.00
E100	P.U. MILK	MI	50		212.50
E101	Heavy eq milk	MT	100		700.00
E113	PROP + BULK Del	TM	578		924.00
CE 240	Blend + mix	SK	25		350.00
CE 207	DEPTH change 600' - 700'	4WS	1		3,240.00
CE 504	Plug cost	JOB	1		250.00
5003	Service Super	EA	1		175.00

SUB TOTAL **10,788.27**

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE <i>Mike MATTHEW</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____ (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
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FIELD SERVICE ORDER NO.