

**CEMENTING LOG**

Date 10/23/2014 District Liberal # 21 Ticket No. 61706  
 Company American Warrior Rig Duke #9  
 Lease Frank Well No 1-4  
 County Finney State Ks

Location \_\_\_\_\_  
 Field \_\_\_\_\_

Casing Data  Conductor  RTA  Squeeze  Misc.  
 Surface  Intermediate  Production  Liner

Size 8 5/8 Type \_\_\_\_\_ Weight 24# Collar \_\_\_\_\_

Casing Depths Top \_\_\_\_\_ Bottom 1712

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 \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_  
 Open Holes BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_  
 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 H2O  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
10 bbls

LEAD: Time \_\_\_\_\_ hrs. Type 65/35 6% Gel 3%CC  
.5# Floseal Excess \_\_\_\_\_

Amt. 625 Sks Yield 2 ft<sup>3</sup>/sk Density 12.4 PPG  
 TAIL: Time \_\_\_\_\_ hrs. Type Class A 3% CC 1/4# Flo Seal

Excess \_\_\_\_\_  
 Amt. 200 Sks Yield 1.21 ft<sup>3</sup>/sk Density 15.6 PPG  
 WATER Lead 10.9 Gal/sk Tail 5.2 Gal/sk Total \_\_\_\_\_ BBLs

Pump Trucks Used: 549-550  
 Bulk Equipment 562-528  
705-842

Float Equipment: Manufacturer \_\_\_\_\_  
 Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Float: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Bottom \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equipment \_\_\_\_\_  
 Disp: Fluid Type \_\_\_\_\_ Amt \_\_\_\_\_ bbls Weight \_\_\_\_\_ PPG  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_

COMPANY REPRESENTATIVE \_\_\_\_\_ CEMENTER Lenny Baeza

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLs/MIN	
3:00am						On location @ 3:00am
5:30am						Rigging up to the well head
5:55am	1500					Pressure test lines
5:56am	250		10		4	Pumping 10 bbls of water ahead
5:58am	240		232		6	Mixing cement 625sk @12.4#
6:36am	200		265		4	Mixing cement 200sk @ 15.6#
6:48am	0		265		0	Shut down and releases the plug
6:50am	80		265		3	Plug left the head started displacement of 106 bbls
6:56am	240		305		5	40bbls gone
7:02am	370		325		6	60bbls gone
7:09am	500		345		6	80bbls gone
7:13am	620		365		6	100bbls gone
7:20am	1300		371		3	106 bbls gone and landed the plug 1300 psi
	0		0		0	Release the psi and float is holding
						rigging up
						Leaving location @ 8:00am
						30660 of cement to surface

FINAL DISP. PRESS. 630 PSI BUMP PLUG TO 1300 PSI BLEEDBACK 0.5 BBLs **THANK YOU**

# CEMENTING LOG

Date 10/31/2014 District Liberal # 21 Ticket No. 61670  
 Company American Warrior Rig Duke # 9  
 Lease FRANK Well No 1-4  
 County Finney State Ks  
 Location \_\_\_\_\_

Field \_\_\_\_\_  
 Casing Data  Conductor  TA  Squeeze  Misc.  
 Surface  Intermediate  Production  Liner  
 Size \_\_\_\_\_ Type \_\_\_\_\_ Weight 24 Collar \_\_\_\_\_

Casing Depths Top \_\_\_\_\_ Bottom 1950

Drill Pipe: BBLS/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_  
 Open Hole: BBLS/LIN. FT 0.1458 LIN. FT/BBL \_\_\_\_\_  
 Capacity Factors: BBLS/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_  
 Casing BBLS/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_  
 Open Holes BBLS/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_  
 Drill Pipe BBLS/LIN. FT 0.01422 LIN. FT/BBL \_\_\_\_\_  
 Annulus BBLS/LIN. FT 0.044 LIN. FT/BBL \_\_\_\_\_  
 Perforations From \_\_\_\_\_ ft to \_\_\_\_\_ ft Amt \_\_\_\_\_

## CEMENT DATA

Spacer Type 10 bbl water  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

LEAD: Time \_\_\_\_\_ hrs. Type CLASS A  
60/40/4%GEL,1/4# FLOSEAL Excess \_\_\_\_\_

Amt. 220 Sks Yield 1.42 ft<sup>3</sup>/sk Density 13.8 PPG  
 TAIL: Time \_\_\_\_\_ hrs. Type \_\_\_\_\_ Excess \_\_\_\_\_

Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
 WATER Lead 6.9 Gal/sk Tail \_\_\_\_\_ Gal/sk Total \_\_\_\_\_ BBLs

Pump Trucks Used: 530-484  
 Bulk Equipment 993-

Float Equipment: Manufacturer \_\_\_\_\_  
 Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Float: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Bottom \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equipment \_\_\_\_\_  
 Disp: Fluid Type \_\_\_\_\_ Amt \_\_\_\_\_ bbls Weight \_\_\_\_\_ PPG  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_

COMPANY REPRESENTATIVE \_\_\_\_\_ CEMENTER CESAR PAVIA

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS	
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD		RATE BBLs/MIN
600AM						ARRIVE TO LOCATION	
630AM						RIG UP	
650AM						SAFETY MEETING	
700AM		30		10		3	PUMP 10 BBL OF FRESH WATER @ 1730 FT
710AM		30		18		3	PUMP 8 BBL OF SLURRY CEMENT WITH 2 BBL BEHIND
714AM		30		37		3	PUMP 19 BBL OF MUD TO DISPLACE DRILL PIPE
737AM		30		45		3	PUMP 8 BBL OF SLURRY CEMENT @ 940 FT
743AM		30		55		3	DISPLACE 10 BBL OF WATER TO DISPLACE DRILL PIPE
800AM		40		63		3	PUMP 8 BBL OF SLURRY CEMENT @300 FT
803AM		30		64.2		3	DISPLACE 1.2 BBL OF WATER TO DISPLACE DRILL PIPE
820AM		30		59.2		3	PUMP 5 BBL OF SLURRY CEMENT @ 60 FT
900AM		10		72.2		3	PUMP 3 BBL OF SLURRY CEMENT TO RAT HOLE
915AM		10		77.2		3	PUMP 5 BBL OF SLURRY CEMENT TO RAT HOLE
920AM				80.2		3	PUMP 3 BBL OF SLURRY CEMENT TO MOUSE HOLE
930AM							RIG DOWN
1030AM							LEAVE LOCATION

FINAL DISP. PRESS. \_\_\_\_\_ PSI BUMP PLUG TO \_\_\_\_\_ PSI BLEEDBACK \_\_\_\_\_ BBLs THANK YOU