

CEMENTING LOG

Date 12/27/2013 District Liberal # 21 Ticket No. 52044
 Company American Warrior Rig Duke #9
 Lease Neeley Well No 8
 County Finney 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 1750

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 _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

LEAD: Time _____ hrs. Type 60/40 4%gel 1/4flo
 Excess _____

Amt. 170 Sks Yield 1.4 ft³/sk Density 14.1 PPG
 TAIL: Time _____ hrs. Type _____

Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
 WATER Lead 6.7 Gal/sk Tail _____ Gal/sk Total _____ BBLs

Pump Trucks Used: 549-550
 Bulk Equipment 869-841

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 Aldo Espinoza

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLs/MIN	
12:30pm						On location at 12:30pm
1:32pm	150		10		3	H2O water ahead total of 10 bbls
1:35pm	150		12.4		3	12.4 bbls of slurry of cement total of 50sk plug
1:42pm	100		25		4	Displacemet of 25 bbls with mud plug balanced out and broke off for rig to pull drill pipe out to 1150'
2:15pm	200		25		4	Cleaning out hole with 25 bbls of h2o
2:25pm	150		12.4		4	Mixing another 50sk @1150ft 12.4 Slurry
2:29pm	100		13		3	Displacement of 13bbls displacement
2:38pm						plug balance and broke off to pull drill pipe to 60'
3:25pm	80		10		4	Pumping 10bbls ahead
3:27pm	50		5		3	20sk plug 5bbl slurry until you see cement to surface
3:35pm	50		7.5		3	30sk plug on the Rat hole pump intel cement to surface
3:45pm	50		5		3	20ak plug on the Mouse hole pump intel cement to surface
						washing up to pit all done Rigging down
4:30pm						Leaving location at 4:30pm