



CEMENTING LOG

Date 12/23/2014 District Liberal # 21 Ticket No. 65380
 Company American Warrior Rig Duke # 10
 Lease O'BRATE-FINNEY Well No 2-5
 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 1960

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	<u>0.01422</u>	LIN. FT/BBL	_____
Annulus	BBLS/LIN. FT	<u>0.044</u>	LIN. FT/BBL	_____
	BBLS/LIN. FT	_____	LIN. FT/BBL	_____
Perforations	From _____	ft to _____	ft Amt _____	

CEMENT DATA

Spacer Type 10 bbl water
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

LEAD: Time _____ hrs. Type CLASS A

60/40, 4% GEL Excess _____

Amt. 240 Sks Yield 1.5 ft³/sk Density 13.5 PPG

TAIL: Time _____ hrs. Type _____

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

WATER Lead 7.5 Gal/sk Tail _____ Gal/sk Total _____ BBLs

Pump Trucks Used: 903-501

Bulk Equipment
993-1066

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 AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLs/MIN	
1000PM						ARRIVE TO LOCATION , DATE 12-22-14
1030PM						RIG UP
1245AM						SAFETY MEETING 12-23-14
100AM						FIRST PLUG, @ 1960FT, 10 BBL OF WATER AHEAD, 21 BBL OF SLURRY, 2 BBL OF WATER BEHAIND,18 BBL OF DISPLACEMENT W/MUD
155AM						SECOND PLUG@1050FT, 13 BBL OF SLURRY, 12 BBL OF DISPLACEMENT
223AM						THIRD PLUG @500FT, 10.6 BBL OF SLURRY,4.5 BBL OF DISPLACEMENT
247AM						SURFACE PLUG @ 60FT, 5 BBL OF SLURRY.
300AM						RAT HOLE, 8 BBL OF SLURRY
306AM						MOUSE HOLE, 5 BBL OF SLURRY
338AM						RIG DOWN
420AM						LEAVE LOCATION

CEMENTING LOG

Date 12/15/2014 District Liberal # 21 Ticket No. 64520
 Company American Warrior Rig Duke 10
 Lease O'Brate Finney Well No 2-5
 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 1713

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 _____
 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. 625 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: 531-541
 Bulk Equipment 562-744
956-841

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 106 bbls Weight 8.33 PPG
 Mud Type _____ Weight _____

COMPANY REPRESENTATIVE _____ CEMENTER Edgar A. Rodriguez

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLs/MIN	
7:00 am						Got to location & spotted trucks
7:30						Rig up trucks. Rig up floor
9:20						Casing on bottom. Will stab cmt head to circulate
10:10						Performed safety meeting
10:25	1120					Pressure tested lines 1000 psi
10:35	220		5		1	Pump 5 bbls of fresh water
10:40	180		223		6	Pump 625 sks of lead cmt (223 bbls @12.5)
11:25	130		43		4.5	Pump 200 sks of tail cmt (43 bbls @15.6)
11:46						Shutdown / Drop top plug
11:49	60				6	While going in with displacement, returns very slow
11:50	280				6	Pump 106 bbls of displacement
12:07 pm	480		95		3	Slow rate to bump plug
12:09	300		106		3	Bumped plug. Landed at 300 psi and took up to 840 psi
12:11						Check floats. 1/4 of bbl back. No cement returns
12:13						As soon as we stopped pumping fluid dropping in the cellar. We will pump more cement to fill up
6:10						Arrive on location with more cement
6:40	80		21		3	Pump 100 sks of Class A Neat cement with 2% calcium chloride (21 bbls @15.6)
6:50						Cement back to surface in cellar.
6:52						Wash trucks and lines while we monitor if cement is dropping
8:25						Cement has dropped about 1" will keep an eye on it
8:45						Cement has dropped about 3 inches now
11:10	80		10.6		2	Pump 50 sks of Class A Neat cement with 2% calcium chloride (10.6 bbls @15.6)
11:23						Cement dropped a little. Wait to see how much it falls
12:22	80		10.6		2	Pump 50 sks of Class A Neat cement with 2% calcium chloride (10.6 bbls @15.6)
12:35						Cement not dropping. Will wait to see if it holds
2:55						Cement did not drop. End job

FINAL DISP. PRESS. 300 PSI BUMP PLUG TO 840 PSI BLEEDBACK 1/4 BBLs THANK YOU