

CEMENTING LOG

Date 11/5/2014 District Liberal # 21 Ticket No. 61712
 Company American Warrior Rig Duke #10
 Lease Clark Trust Well No 1-36
 County Finney State Ks
 Location _____
 Field _____
 Casing Data Conductor PTA Squeeze Misc.
 Surface Intermediate Production Liner
 Size 8 5/8 Type _____ Weight 24# Collar _____

CEMENT DATA
 Spacer Type H2O
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
10 bbls

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

Amt. 625 Sks Yield 2 ft³/sk Density 12.4 PPG

TAIL: Time _____ hrs. Type Class A 3% CC 1/4# Flo Seal
 Excess _____

Amt. 200 Sks Yield 1.21 ft³/sk Density 15.6 PPG

WATER Lead 10.9 Gal/sk Tail 5.2 Gal/sk Total _____ BBLs

Casing Depths Top _____ Bottom 1641

Pump Trucks Used: 549-550
 Bulk Equipment 869-1066
956-841

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 _____

Float Equipment: Manufacturer Weatherford
 Shoe: Type Guide Shoe Depth _____
 Float: Type AFU Float Insert Depth _____
 Centralizers: Quantity 3 Plugs Top _____ Bottom _____
 Stage Collars _____
 Special Equipment Cement Basket
 Disp: Fluid Type H2O Amt 102 bbls Weight 8.3 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	
10:00pm						On location @ 10:00am
10:30pm						Rigging up to the well head
11:45pm	2000					Pressure test lines
11:46pm	250		10		4	Pumping 10 bbls of water ahead
11:48pm	240		232		6	Mixing cement 625sk @ 12.4#
12:20am	200		265		4	Mixing cement 200sk @ 15.6#
12:32am	0		265		0	Shut down and releases the plug
12:34am	80		265		3	Plug left the head started displacement of 106 bbls
12:41am	240		305		5	40bbls gone
12:48am	370		325		6	60bbls gone
12:55am	500		345		6	80bbls gone
1:01am	620		365		6	100bbls gone
1:05am	1300		367		3	102 bbls gone and landed the plug 1300 psi
	0		0		0	Release the psi and float is holding
						rigging up <i>40 bbls of cement to surface</i>
						Leaving location @ 1:30am
						THANK YOU !!!!!!!!!!!!!!!!!!!!!

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



CEMENTING LOG

Date 11/12/2014 District Liberal # 21 Ticket No. 64526
 Company AMERICAN WARRIOR Rig DUKE # 10
 Lease PARKS Well No 1-36
 County FINNEY CO. State KS.

Location _____
 Field _____

Casing Data Conductor PTA Squeeze Misc.
 Surface Intermediate Production Liner

Size 8 5/8 Type J-55 Weight 24# Collar _____
 and 5.5 14#

Casing Depths Top _____ Bottom _____

Drill Pipe:	BBLS/LIN. FT	<u>0.01422</u>	LIN. FT/BBL	_____
Open Hole:	BBLS/LIN. FT	_____	LIN. FT/BBL	_____
Capacity Factors:	BBLS/LIN. FT	_____	LIN. FT/BBL	_____
Casing	BBLS/LIN. FT	<u>0.0637</u>	LIN. FT/BBL	<u>15.698</u>
Open Holes	BBLS/LIN. FT	_____	LIN. FT/BBL	_____
Drill Pipe	BBLS/LIN. FT	_____	LIN. FT/BBL	_____
Annulus	BBLS/LIN. FT	<u>0.0406</u>	LIN. FT/BBL	<u>24.63</u>
	BBLS/LIN. FT	<u>0.044</u>	LIN. FT/BBL	<u>22.727</u>
Perforations	From _____	ft to _____	ft	Amt _____

CEMENT DATA

Spacer Type 10 bbls h20
 Amt. _____ Sks Yield _____ ft³/sk Density 8.34 PPG

LEAD: Time _____ hrs. Type 60/40/4 CLASS A
CLASS A Excess _____

Amt. 220 Sks Yield 1.5 ft³/sk Density 13.5 PPG

TAIL: Time _____ hrs. Type _____ Excess _____

Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
 WATER Lead 7.5 Gal/sk Tail _____ Gal/sk Total 39.3 BBLs

Pump Trucks Used: 848-541
 Bulk Equipment 705-842

Float Equipment: Manufacturer _____
 Shoe: Type _____ Depth _____

Float: Type _____ Depth _____

Centralizers: Quantity _____ Plugs Top _____ Bottom _____

Stage Collars _____

Special Equipment _____

Disp: Fluid Type H2O Amt _____ bbls Weight 8.34 PPG
 Mud Type _____ Weight _____

COMPANY REPRESENTATIVE ALEX CEMENTER Ruben Chavez

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLs/MIN	
5:00 PM.						Got To Location Spot Trucks, And Rig Up.
10:00						Have A Prejob Safety Meeting
10:20	380		2	2	2	Pump 2 BBLs H2O To Fill Pump Line and get circulation
10:23						PRESSURE TEST 1000 PSI pumping lines
10:25	380		10	8	3	Start pumping 10 bbls h20- spacer
10:29	380		20.6	10.6	3	Start pumping 40 sk cement 10.6 bbls slurry at 1984 ft. and displacec
10:33	350		45.6	25		with 2.5 bbls h20 behind and 22 bbls mud pumped wjth rig.
11:20	350		58.9	13.3	3	2nd plug, 50 sk at 1670 ft. 13.3 bbls slurry.
11:25			78.9	20	4	Disp-lace with 20 bbls h20
12:00	250		89.5	10.6	3	Start pumping 3rd plug 40 sk at 1050 ft. 10.6 bbls slurry
12:06	150		101.5	12	4	displace with 12 bbls h20
1:00	250		112.1	10.6	3	Start pumping 4th plug 40 sk cement at 300 ft., 10.6 bbls slurry
1:07			113.7	1.6	4	Displace with 1.6 bbls h20
1:35			119	5.3	3	5th plug, 20 sk at 60 ft., 5.3 bbls slurry
1:45	50		132.3	13.3	3	Mix and pump 20 sk cement for mouse hole and 30 sk for rat hole. 13.3 bbls slurry.
						Job finished
						Rig down
						Thankyou.

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