

Date 2/15/2014 District Liberal # 21 Ticket No. 52516  
 Company Palmer Oil Rig Duke #9  
 Lease Willis Well No 23-8  
 County Stevens 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  
 LEAD: Time \_\_\_\_\_ hrs. Type 65/35 6% gel 3% CC  
.5# flo seal Excess \_\_\_\_\_  
 Amt. 625 Sks Yield 1.97 ft³/sk Density 12.4 PPG  
 TAIL: Time \_\_\_\_\_ hrs. Type Class A 3%CC .25# flo Seal  
 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  
 Pump Trucks Used: 700-  
 Bulk Equipment 472-554  
705-642

Casing Depths Top 0 Bottom 1743

Drill Pipe: BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_  
 Open Hole: BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_  
 Capacity Factors: BBLs/LIN. FT 0.0637 LIN. FT/BBL 15.7  
 Casing BBLs/LIN. FT 0.0637 LIN. FT/BBL 15.7  
 Open Holes BBLs/LIN. FT 0.1458 LIN. FT/BBL 6.85  
 Drill Pipe BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_  
 Annulus BBLs/LIN. FT 0.0735 LIN. FT/BBL 13.6  
 BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_  
 Perforations From \_\_\_\_\_ ft to \_\_\_\_\_ ft Amt \_\_\_\_\_

Float Equipment: Manufacturer Weather Ford  
 Shoe: Type Guide Shoe Depth 1742  
 Float: Type AFU Insert Float Depth 1700  
 Centralizers: Quantity 3 Plugs Top \_\_\_\_\_ Bottom \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equipment Cement Basket  
 Disp: Fluid Type H2O Amt 108.3 bbls Weight 8.33 PPG  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_

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

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	
12:00pm						On location at 11:30am
3:30pm						Rigging up to well head
3:40pm						Safety meeting with rig crew
3:45pm		2000				Pressure testing pumping lines to 2000 psi
3:53pm		200		10	5	10 bbls of H2O head of cement
3:55pm		220		229	5	Mixing lead cement @ 12.4#
4:31pm		180		271	4	Mixing Tail cement @ 15.6#
4:42pm		0		0	0	End of cement shutting down to release plug
4:46pm		120		271	5	Plug left the head and started displacement of 108.3 bbls
4:55pm						50 bbls gone
5:10pm		600		371	5	100 bbls gone 5bpm @ 600 psi
5:25pm		1600		379	3	108 bbls gone and landed the plug bumped to 1200 psi and holding
						released the psi and float holding
						70bbls of cement to surface
						rigging down iron
						leaving location @ 6:00pm
						THANK YOU !!!!!!!!!!!!!!!!!!!!!!!!!!!!!1

FINAL DISP. PRESS. 600 PSI BUMP PLUG TO 1600 PSI BLEEDBACK 2-Jan BBLs **THANK YOU**



# CEMENTING LOG

Date 2/24/2014 District Liberal # 21 Ticket No. 52521  
 Company Palmer Oil Rig Duke #9  
 Lease Willis Well No 23-8  
 County Stevens 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 1700

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 \_\_\_\_\_  
 Perforations From \_\_\_\_\_ ft to \_\_\_\_\_ ft Amt \_\_\_\_\_

CEMENT DATA  
 Spacer Type H2O  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

LEAD: Time \_\_\_\_\_ hrs. Type 60/40/4%gel 1/4 # Flo seal  
 Excess \_\_\_\_\_

Amt. 170 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: 549-550  
 Bulk Equipment 472-554

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	
9:00pm						On location @ 9:00pm
10:30pm						Rigged up to first plug @ 1770'
10:35pm	130		26		4	10 bbls of spacer ahead of cement then 12.6 bbls of slurry with 2 bbls of
10:42pm	90		47		6	H2O water behind cement and displacement of 21 bbls with MUD
11:46pm	150		62		4	Rigged up to second plug @ 610' Cleaned the hole out with water 15 bbls
11:56pm	140		79		5	and 50sk plug total of 12.6 bbls of slurry and displacement of 5 bbls
12:35pm	130		84		3	Rigged up to third plug @ 60' and plug a 20 sk plug total of 5 bbls slurry
						pumped intel cement to surface
1:14pm	100		89		3	Plugging mouse hole with 20 sk 5 bbls of slurry cement to surface
1:18pm	100		96		3	Plugging rat hole with 30 sk 7 bbls of slurry cement to surface
						Cement to surface on rat hole and mouse hole
						rigging it down and leaving location @ 2:00pm

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