

CEMENTING LOG

Date 2/25/2014 District Liberal # 21 Ticket No. 52523
 Company Palmer Oil Rig Duke # 9
 Lease Willis Well No 23-9
 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 0 Bottom 1746

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 _____

CEMENT DATA

Spacer Type _____ H2O
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

LEAD: Time _____ hrs. Type 65/35 6% gel 3% CC
.5# flo seal Excess _____

Amt. 625 Skys Yield 1.97 ft³/sk Density 12.4 PPG
 TAIL: Time _____ hrs. Type Class A 3%CC .25# flo Seal
 Excess _____

Amt. 200 Skys 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: 549-550
 Bulk Equipment 472-554
774-744

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
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLs/MIN	
2:00pm						On location at 2:00pm
4:25pm						Rigging up to well head
4:45pm						Safety meeting with rig crew
4:48pm	2000					Pressure testing pumping lines to 2000 psi
4:51pm	200		10		5	10 bbls of H2O head of cement
4:55pm	220		229		5	Mixing lead cement @ 12.4#
5:24pm	180		271		4	Mixing Tail cement @ 15.6#
5:33pm	0		0		0	End of cement shutting down to release plug
5:35pm	120		271		5	Plug left the head and started displacement of 108.3 bbls
5:43pm	140		321		6	50 bbls gone
5:51pm	600		371		5	100 bbls gone 5bpm @ 600 psi
5:55pm	1200		279		3	108 bbls gone and landed the plug bumped to 1200 psi and holding
						released the psi and float holding
						30 BBLs of cement to surface
						rigging down iron
						leaving location @ 6:00pm
						THANK YOU !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!1

FINAL DISP. PRESS. 600 PSI BUMP PLUG TO 1200 PSI BLEEDBACK 0.5 BBLs THANK YOU

Date 3/7/2014 District Liberal # 21 Ticket No. 52426
 Company Palmer Oil Rig Duke #9
 Lease Willis Well No 23-9
 County Stevens State KS
 Location _____
 Field _____
 Casing Data Conductor PTA Squeeze Misc.
 Surface Intermediate Production Liner
 Size 8.625" Type _____ Weight 24# Collar _____

CEMENT DATA

Spacer Type _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
 LEAD: Time _____ hrs. Type 60/40/4% gel
 Excess _____
 Amt. 170 Sks Yield 1.42 ft³/sk Density 13.8 PPG
 TAIL: Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
 WATER Lead 6.9 Gal/sk Tail _____ Gal/sk Total 28 BBSL

Casing Depths Top _____ Bottom _____

Pump Trucks Used: 549-550
 Bulk Equipment 705-B642

Drill Pipe: BBSL/LIN. FT _____ LIN. FT/BBL _____
 Open Hole: BBSL/LIN. FT _____ LIN. FT/BBL _____
 Capacity Factors: BBSL/LIN. FT _____ LIN. FT/BBL _____
 Casing BBSL/LIN. FT _____ LIN. FT/BBL _____
 Open Holes BBSL/LIN. FT _____ LIN. FT/BBL _____
 Drill Pipe BBSL/LIN. FT 0.01422 LIN. FT/BBL _____
 Annulus BBSL/LIN. FT _____ LIN. FT/BBL _____
 BBSL/LIN. FT _____ LIN. FT/BBL _____
 Perforations From _____ ft to _____ ft Amt _____

Float Equipment: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Bottom _____
 Stage Collars _____
 Special Equipment _____
 Disp: Fluid Type H2O & Mud Amt _____ bbls Weight _____ PPG
 Mud Type _____ Weight 9.5

COMPANY REPRESENTATIVE _____ CEMENTER Edgar A. Rodriguez

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBSL/MIN	
12:30 am						Arrive on location
1:00						Spot equipment and rig up
1:40						Safety meeting
1:50						Start job
1:55	120		10		4	Pump 10 bbls of fresh water
2:01	110		13		4	Pump 50 sks of cmt (13 bbls @13.8)
2:07	90		19.5		4	Pump 19.5 bbls of mud displacement
2:13						Come of hole with drillpipe
3:00	80		13		3	Pump 50 sks of cmt (13 bbls @13.8)
3:05	80		5		3	Pump 5 bbls of displacement
3:07						Come of hole with drillpipe
3:30	70		5		3	Pump 20 sks of cmt (5 bbls @13.8)
3:33						Come of hole with joint
4:00	70		7.5		3	Pump 30 sks of cmt in rat hole
4:05						Come of hole with joint
4:09	70		5		3	Pump 20 sks of cmt in mouse hole
4:15						End job
4:30						Rig down
5:20 am						Crew leave location