



CEMENTING LOG

STAGE NO. _____

Date 9-28-13 District Great Bend, KS Ticket No. 61927
 Company Armedcon Energy Rig Duke #5
 Lease Gray of Ingalls Well No. 15
 County Gray State KS
 Location Hwy 156 & Halfback Rd Field _____
1/2 S 1E N10

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 5 7/8 Type _____ Weight _____ Collar _____

Casing Depths: Top _____ Bottom _____

Drill Pipe: Size 4 1/2 Weight 16.6 Collars 4-hole
 Open Hole: Size 12 1/4 T.D. _____ ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 0.0637 Lin. ft./Bbl. 1570
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. 0.0142 Lin. ft./Bbl. 7032
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Spacer Type: Freshwater
 Amt. _____ Sks Yield _____ ft³/sk Density 62.34 PPG

LEAD: Pump Time _____ hrs. Type _____
 Excess _____

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

TAIL: Pump Time _____ hrs. Type 60 sec class H
40 to 202 45 gal 4 in flo Excess _____

Amt. _____ Sks Yield 1.45 ft³/sk Density 14.5 PPG

WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Pump Trucks Used 398 - white 5
 Bulk Equip. 60 9-112 - Dowl

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type Freshwater Amt. _____ Bbls. Weight 62.34 PPG
 Mud Type Native Weight 9.2 PPG

COMPANY REPRESENTATIVE _____

CEMENTER Dubytne

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						ON Location - Rig up Had safety meeting
						Run 4 1/2 Drill pipe Cull hole with Rig mud Hook up cement pump
						1. 1920 - 50 SKS
						2. 1250 - 80 SKS
						3. 470 - 50 SKS
						4. 60 - 20 SKS
						5. 124 - 30 SKS
						6. 114 - 20 SKS
						Plug Down - 3:00 PM
						Rig Down

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

Date 9-19-13 District Green-Pack, KS Ticket No. 61819
 Company American Warrior Rig Duke 05
 Lease Way of Ingalls Well No. 15
 County Gray State KS
 Location 150 + Wolfrock Rd Field _____
1/5 IEN 10

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 5 5/8 Type PLV Weight 24# Collar SR2

Casing Depths: Top 613 Bottom 438 + 58

Drill Pipe: Size 4 1/2 Weight 16.6 Collars x-handle
 Open Hole: Size 12 1/4 T.D. _____ ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 0.637 Lin. ft./Bbl. 15.70
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. 0.642 Lin. ft./Bbl. 70.32
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Spacer Type Freshwater
 Amt. 5665 Sks Yield _____ ft³/sk Density 8.24 PPG

LEAD: Pump Time _____ hrs. Type _____
 Excess _____

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

TAIL: Pump Time _____ hrs. Type Class A 3 free 2 stage
2 stage Excess _____

Amt. 250 Sks Yield 1.34 ft³/sk Density 8.92 PPG

WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Pump Trucks Used 396 - Mike - 5
 Bulk Equip. 609 - 112 - Don C

Float Equip: Manufacturer _____

Shoe: Type _____ Depth _____

Float: Type _____ Depth _____

Centralizers: Quantity _____ Plugs Top _____ Btm. _____

Stage Collars _____

Special Equip. _____

Disp. Fluid Type Freshwater Amt. _____ Bbls. Weight 8.24 PPG

Mud Type Native Weight 9.12 PPG

COMPANY REPRESENTATIVE _____

CEMENTER Don C

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						ON Location - Rig up
						Had safety meeting
						Run 58' casing
						Break circulation with Rig head
						Hookup cement pump
				5665		pump 5665 Freshwater Ahead
			64.66	59.66		mix 250 sks Class A 3 free 2 stage
			91.64	26.98		Displace 26.98 bbls Freshwater
						& shut in
						Cement PID circulation
						plug Power 5:30 pm
						Rig Power