

Date 11-15-13 District Medicine Lodge, KS Ticket No. 59609
 Company Source Energy Rig Tom Cat
 Lease Source FEE SWD Well No. 16-11
 County Butler State KS
 Location Vic Benton KS Field 16-255-3E

CEMENT DATA:

Spacer Type: Fresh
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type Class A+3%cc
 Excess _____

Amt. 175 Sks Yield 1.17 ft³/sk Density 15.6 PPG

TAIL: Pump Time _____ hrs. Type _____
 Excess _____

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

WATER: Lead 5.2 gals/sk Tail _____ gals/sk Total _____ Bbls.

Pump Trucks Used 558-555 Scott Priddy
 Bulk Equip. 819- James Bowen

Float Equip: Manufacturer Weatherford

Shoe: Type Guide Depth _____

Float: Type _____ Depth _____

Centralizers: Quantity _____ Plugs Top TRP Btm. _____

Stage Collars _____

Special Equip. _____

Disp. Fluid Type Fresh Amt. 22 Bbls. Weight 8.34 PPG

Mud Type Native Weight 9.5 PPG

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 9 5/8 Type _____ Weight 36 # Collar _____

Casing Depths: Top _____ Bottom _____

Drill Pipe: Size _____ Weight _____ Collars _____

Open Hole: Size 12 1/4 T.D. _____ ft. P.B. to _____ ft.

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. 0.773 Lin. ft./Bbl. 12.93

Open Holes: Bbls/Lin. ft. 0.1458 Lin. ft./Bbl. 6.8599

Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Annulus: Bbls/Lin. ft. 0.558 Lin. ft./Bbl. 17.9272

Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Perforations: From _____ ft. to _____ ft. Amt. _____

COMPANY REPRESENTATIVE _____

CEMENTER JAKE HEARD

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
7:30 AM	1500					Pipe On Bottom Break Circ Safety Meeting Pressure Test to 1500 psi
	100		3		3	Pump Spacer
7:40 AM	300		36		5	Mix + Pump 175 sk Class A+3% cc CMT
						Stop Swap valves Release plug
					2	Begin Displacement + Wash up
					4 1/2	Continue Displacement
					3	Steady increase in pressure
8:30 AM	200		22		3	Stop Shut in Rig Down
						Total Disp. 22 bbl
						CMT Did Circ
						10 bbl to pit