

Date 4.30.14 District Russell Ticket No. 55210
 Company Allan Jantfeldt Rig Royal #1
 Lease Michaelis Well No. 1
 County Russell State KY
 Location Russell Field e to Pioneer rd S to circle into
 CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 8 5/8 Type CS Weight #24 Collar 16 Jts
Ran 8 5/8 #24 in @ 16 Jts
in 12 1/4 Hole
 Casing Depths: Top 0' Bottom 686'

55 - @ 42'
 Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.
 CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. _____ Lin. ft./Bbl. 1.0637
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. 13.6037
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Spacer Type: _____
 Amt. 300 Skys Yield 1.32 ft³/sk Density _____ PPG
60/40 + 31 cc + 21.5 gal
 LEAD: Pump Time 42 min hrs. Type _____
 Excess _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG
 TAIL: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG
 WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.
 Pump Trucks Used #417 - Jerry S
 Bulk Equip. #413 - Tracy J / Kevin R
 Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type H2O Amt. 41.02 Bbls. Weight 834 PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE _____ CEMENTER Dan Pennekamp

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
<u>9:30</u>						<u>On location - Safety meeting</u> <u>Set up truck for mixing.</u>
<u>10:30</u>						<u>Ran 16 Jts 8 5/8 cas @ #24</u> <u>in @ 686' in 12 1/4 Hole</u>
<u>11:00</u>			<u>1/2 Hr</u>	<u>4 min</u>		<u>Broke circulation with Rig</u> <u>@ 1/2 Hr.</u>
<u>11:30</u>			<u>42.85 gal</u>	<u>3 min</u>		<u>Mixed 300 gal 60/40 + 31 cc + 21.5 gal</u> <u>@ 42.85 gal mix</u> <u>Cement to surface</u>
<u>11:45</u>			<u>41.02 gal</u>	<u>3 min</u>		<u>Displaced 8 5/8 Top Rubber</u> <u>Plug @ 41.02 gal</u> <u>Cement to surface</u>
<u>12:00</u>		<u>4600 psi</u>		<u>2 1/2 min</u>		<u>Landed 8 5/8 Top Rubber Plug @</u> <u>#4600 psi</u> <u>Cement to surface</u>
<u>12:15</u>		<u>#4600 psi</u>				<u>SHUT 8 5/8 in @ #4600 psi.</u> <u>Job - Complete</u>
<u>12:30</u>		<u>8 1/2 Hr</u>		<u>3 min</u>		<u>Unladed truck</u>