

Date 2/1/15 District Dukkey Ticket No. 067272
 Company Desoro Rig Desoro 10
 Lease Outers Well No. 3-19
 County Cherokee State KS
 Location _____ Field _____

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production L. Iner
 Size 8 5/8 Type non Weight 24 Collar _____

Casing Depths: Top KS Bottom 505'

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

CAPACITY FACTORS:

Casing: Bbbls/Lin. ft. 0.637 Lin. ft./Bbl. _____
 Open Holes: Bbbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:

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

LEAD: Pump Time _____ hrs. Type Con 3.5% 2.0% gel
 Amt. 285 Skis Yield 124 Excess _____
 ft³/sk Density 15.282 PPG

TAIL: Pump Time _____ hrs. Type _____
 Amt. _____ Skis Yield _____ Excess _____
 ft³/sk Density _____ PPG

WATER: Lead 6.5 gals/sk Tail _____ gals/sk Total _____ Bbbls.

Pump Trucks Used 431
 Bulk Equip. 801

Float Equip: Manufacturer _____

Shoe: Type _____ Depth _____

Float: Type _____ Depth _____

Centralizers: Quantity _____ Plugs Top _____ Btm. _____

Stage Collars _____

Special Equip. _____

Disp. Fluid Type 1420 Amt. 1815 Bbbls. Weight 8318 PPG

Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE _____

CEMENTER Calabry

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbbls Min.	
2:00						On location 5:00 AM Set up Run Casing Circulate
				37.0	3 1/2	mix cement
				1815	4 1/2	Displace cement Circulate
4:00						Job complete

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