

Date 5-14-16 District Oakley Ticket No. 066882
 Company Suemour Rig Murfin 7
 Lease Muirhead Farms Well No. 1-12
 County Decatur State KS
 Location 12 5 28 Field _____
Dresden 3/4 N E 7 S into

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner

Size _____ Type _____ Weight _____ Collar _____

CEMENT DATA:
 Spacer Type: water
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type 60/40 48gel
14 Flow-seal Excess _____
 Amt. 255 Skys Yield 1.4 ft³/sk Density 14.1 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 431
 Bulk Equip. 410

Casing Depths: Top _____ Bottom _____

Drill Pipe: Size 4 1/2 Weight _____ Collars _____
 Open Hole: Size 7 7/8 T.D. 4485 ft. P.B. to 2560 ft.

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. .01422 Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btrn. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type _____ Amt. _____ Bbls. Weight _____ PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE _____

CEMENTER Andrew

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
<u>8:00</u>				<u>5</u>		<u>pump water 2560'</u>
				<u>8</u>		<u>mix cement</u>
				<u>5</u>		<u>pump water</u>
				<u>28</u>		<u>pump mud</u>
				<u>5</u>		<u>pump water 1730'</u>
				<u>16</u>		<u>mix cement</u>
				<u>5</u>		<u>pump water</u>
				<u>14</u>		<u>pump mud</u>
				<u>5</u>		<u>pump water 310'</u>
				<u>8</u>		<u>mix cement</u>
				<u>1.15</u>		<u>pump water</u>
				<u>1.15</u>		<u>mix cement 40'</u>
<u>9:00</u>				<u>2.15</u>		<u>mix cement mouse hole</u>
				<u>5</u>		<u>mix cement Rat hole</u>