



CEMENTING LOG

STAGE NO. _____

Date 12/10/16 District Battley Ticket No. 68251
 Company Bureau Rig Bureau 1
 Lease love Well No. 148R
 County Stanton State Ky
 Location _____ Field _____

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

LEAD: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. 570 Skys Yield 2.2 ft³/sk Density 12.07 PPG

TAIL: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. 150 Skys Yield 1.33 ft³/sk Density 14.9 PPG

WATER: Lead 12.45 gals/sk Tail 6.2 gals/sk Total _____ Bbls.

Pump Trucks Used 566-281
 Bulk Equip. _____

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 2 7/8 Type _____ Weight _____ Collar _____

Casing Depths: Top 13 Bottom _____

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 12 1/4 T.D. 1076' ft. P.B. to _____ ft.

Float Equip: Manufacturer _____
 Shoe: Type Guide Shoe Depth 1076
 Float: Type RFU Depth 1635
 Centralizers: Quantity 3 Plugs Top 1 Btm. _____

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

Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type H₂O Amt. _____ Bbls. Weight _____ PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE _____

CEMENTER AL

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						Preparation, 90% water, Setup
						Run Casing Circulation
			108.0	4.0		Mix 570 SK ALW 65/35 370 CC 141
			23.0	4.0		Mix 150 SK Com 370 CC
						Displace Plug w/ H ₂ O
						Job Complete

CEMENTING LOG

STAGE NO. _____

Date 1-12-17 District Oakley Ticket No. 68242
 Company Berkeley Rig Berkeley 1
 Lease Love Well No. 178R
 County Stanford State KS
 Location 14 JO 40 Johnson 85 25 7/8 WIND Field _____

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

Casing Depths: Top _____ Bottom _____

Drill Pipe: Size 4 1/2 Weight _____ Collars _____
 Open Hole: Size 7 7/8 T.D. 5760 ft. P.B. to 1710 ft.

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. 0.1422 Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:

Spacer Type: _____
 Amt. _____ Sk's Yield _____ ft³/sk Density _____ PPG _____

LEAD: Pump Time _____ hrs. Type 2 3/4" 18 gal
4 PPD Excess _____

Amt. 160 Sk's Yield 1.4 ft³/sk Density 14.1 PPG

TAIL: Pump Time _____ hrs. Type _____
 Excess _____

Amt. _____ Sk's Yield _____ ft³/sk Density _____ PPG

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

Pump Trucks Used 431

Bulk Equip. 891

Float Equip: Manufacturer _____

Shoe: Type _____ Depth _____

Float: Type _____ Depth _____

Centralizers: Quantity _____ Plugs Top _____ Btm. _____

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
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
<u>5:00</u>				<u>5</u>		<u>Pump water</u>
				<u>8</u>		<u>mix cement</u>
				<u>5</u>		<u>Pump water</u>
				<u>16</u>		<u>Pump mud</u>
				<u>5</u>		<u>Pump water</u>
				<u>6.3</u>		<u>mix cement</u>
				<u>6.8</u>		<u>Pump water</u>
				<u>3</u>		<u>mix cement</u>
<u>6:00</u>				<u>3</u>		<u>mix cement</u>
				<u>5</u>		<u>mix cement</u>