

Date 9-8-14 District Daklapp Ticket No. 69094  
 Company Berexco Rig Berexco 1  
 Lease Dennis Unit Well No. 4-3  
 County Haskell State KS  
 Location 3-29-33 Field Jaclette N to Hwy 160, 200, 540 east  
 CASING DATA: Conductor  PTA  Squeeze  Misc   
 Surface  Intermediate  Production  Liner   
 Size 5 1/2 Type New Weight 15.5 Collar

Casing Depths: Top K-0 Bottom 5599'

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 7 7/8 T.D. 5600 ft. P.B. to \_\_\_\_\_ ft.

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. .0238 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. \_\_\_\_\_  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

CEMENT DATA:  
 Spacer Type: 65/35 6 2/3 gel 1/4 # flo-seal  
 Amt. 175 Skys Yield 1.61 ft<sup>3</sup>/sk Density 13.5 PPG

LEAD: Pump Time Bottom stage hrs. Type ASC 109 cement 2 1/2 gals  
6 1/2 gals/min 520 PL 160 .15% Deflamer  
 Amt. 180 Skys Yield 1.56 ft<sup>3</sup>/sk Density 14.66 PPG  
 TAIL: Pump Time Top stage hrs. Type 65/35 6 2/3 gel  
Yeff flo-seal / ASC Excess \_\_\_\_\_  
 Amt. 350 Skys Yield 1.61 ft<sup>3</sup>/sk Density 13.5 PPG  
~~Water~~ Lead 50 Skys 1.56 gals/sk Tail \_\_\_\_\_ gals/sk Total 14.66 Bbls.

Pump Trucks Used 431-Wayne  
 Bulk Equip. 566/595-Esteban  
894 291-Chris

Float Equip: Manufacturer Weatherford / Industrial Rubber  
 Shoe Type AFU Depth \_\_\_\_\_  
 Plug Type Latchdown plug Depth \_\_\_\_\_  
 Centralizers: Quantity 16 Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_  
 Collars DOT 201  
 Special Equip. Baskets (4) Bottom 170'  
 Disp. Fluid Type Water/mud Amt. 132.87 Bbls. Weight 75.95 PPG  
 Mud Type 60/72.07 Weight \_\_\_\_\_ PPG

COMPANY REPRESENTATIVE \_\_\_\_\_

CEMENTER Lakona

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
8:15				5.0		Hold Safety Meeting
						Pump ball through w/ rig pump
						Start water spacer
						Start cement 175 sks 65/35
						weigh cement <del>75</del> # 13.5 #
						Start cement 185 sks ASC
						weigh cement 14.6 #
						Stop cement
				30.0		Washup pump & lines / Release plug
				30.0		Start water Displacement
				20.0		Stop water
				20.0		Start mud Displacement
				20.0		SSSS
				12.07		Stop mud, land plug - hold.
						Plug 14 20 sks
						plug 2 1/2 - 30 sks
						Start cement 350 sks 65/35
						Start cement 50 sks ASC
						Stop cement
				20.0		Washup pump & lines
				20.0		Start water Displacement
				20.0		SSSS
10:00				13.97		Stop water, land plug / hold.
						Cement did - 6.8 barrels