



# CEMENTING LOG

STAGE NO. 1

Date 8-21-14 District Dakley, KS Ticket No. 064134  
 Company Bereduco LLC Rig Bereduco 1  
 Lease Lena Mai Well No. 3-29  
 County Finney State KS  
 Location 20-23-32 Field \_\_\_\_\_

CEMENT DATA:  
 Spacer Type: water  
 Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG \_\_\_\_\_

CASING DATA: Conductor  PTA  Squeeze  Misc   
 Surface  Intermediate  Production  Liner   
 Size 5 1/2 Type NEW Weight 15.5 Collar \_\_\_\_\_

LEAD: Pump Time \_\_\_\_\_ hrs. Type 6.5/3.5  
6 1/2 gal 1 1/4" Flo-seal Excess \_\_\_\_\_  
 Amt. 100 Skys Yield 1.97 ft<sup>3</sup>/sk Density 12.42 PPG \_\_\_\_\_

Casing Depths: Top KB Bottom 4923'

TAIL: Pump Time \_\_\_\_\_ hrs. Type ASC 10' salt  
6 1/2 gal 1 1/4" 2 1/2 gal 5 FT 1 1/2" P. Reamer Excess \_\_\_\_\_  
 Amt. 17.5 Skys Yield 1.59 ft<sup>3</sup>/sk Density 14.28 PPG \_\_\_\_\_  
 WATER: Lead 10.9 gals/sk Tail 7.0 gals/sk Total 55.12 Bbls.

Pump Trucks Used 4:31 - Tyler F  
 Bulk Equip. 5 1/2" - 595

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 7 7/8 T.D. 4928' ft. P.B. to \_\_\_\_\_ ft.

Float Equip: Manufacturer Weatherford / Industrial  
 Shoe: Type AFO Float shoe Depth 4923'  
 Float: Type Latched down Flex Assy Depth 4880.58'  
 Centralizers: Quantity 12 Plugs Top DK Btm. Flex  
 Stage Collars DN - Tool  
 Special Equip. 3 - Baskets  
 Disp. Fluid Type water/mud Amt. \_\_\_\_\_ Bbls. Weight \_\_\_\_\_ PPG \_\_\_\_\_  
 Mud Type 40 bbl / 76.6 bbl Weight \_\_\_\_\_ PPG \_\_\_\_\_  
NO VIS

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. 0.238 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. \_\_\_\_\_

COMPANY REPRESENTATIVE Wayne

CEMENTER Paul Weaver

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
			bbls	Total bbls		Hold safety meeting Run Pipe / Float equip Break circ. / Drop ball pump ball through shoe @ 600# pump water spacer mix 100 sks lite weigh cement 3 times @ 12.5" mix 175 sks ASC weigh cement 3 times @ 14.5" stop cement wash up pump + lines to pit Release plug Displace w/ water Displace w/ mud
2:00	200 <sup>psi</sup> 200 <sup>psi</sup>		5.0 25.95	5.0 30.95	4 4	
	200 <sup>psi</sup>		29.17	60.12	4	
	0 <sup>psi</sup>		5.0	65.12	2	
	100 <sup>psi</sup> 200 <sup>psi</sup> 200 <sup>psi</sup> 500 <sup>psi</sup> 650 <sup>psi</sup> 800 <sup>psi</sup>		40.0 20 20 10 10	105.12 125.12 145.12 155.12 165.12	6 6 6 6 6	
3:00	900 <sup>psi</sup>		6.16	181.28	4	plug did land @ 1400' L.Rt. 900# float did hold Drop Dart opened tool @ 900# circ 4 hrs

FINAL DISP. PRESS: 900 PSI BUMP PLUG TO 1400 PSI BLEEDBACK 1/2 BBLs. THANK YOU