

Date 11-8-15 District Oshtemo KS Ticket No. 161501  
 Company BREXCO Pkg Breco 10  
 Lease Ardene Well No. 1-17  
 County Cherokee State KS  
 Location 17-d-37 Field

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

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

LEAD: Pump Time \_\_\_\_\_ hrs. Type 100/40/8/gel  
3/4" Fb. seal Excess \_\_\_\_\_  
 Amt. 450 Sks Yield 1.7 ft<sup>3</sup>/sk Density 12.7 PPG  
 TAIL: Pump Time \_\_\_\_\_ hrs. Type 10' salt  
5" gilsonite, 2" gel Excess \_\_\_\_\_  
 Amt. 350 Sks Yield 1.56 ft<sup>3</sup>/sk Density 14.5 PPG  
 WATER: Lead 10 gals/sk Tail 7 gals/sk Total \_\_\_\_\_ Bbls.

Casing Depths: Top 253 Bottom 4810'

Pump Trucks Used 431  
 Bulk Equip. 891/287  
818/310

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 7 7/8 T.D. 4800 ft. P.B. to \_\_\_\_\_ ft.

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. 10.238 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. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

Float Equip: Manufacturer Weatherford  
 Shoe: Type ARU Float shoe Depth 4810'  
 Float: Type Retekdown plug Assy Depth \_\_\_\_\_  
 Centralizers: Quantity 20 Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. Recip Scrubber  
 Disp. Fluid Type water Amt. 113.5 Bbls. Weight \_\_\_\_\_ PPG  
 Mud Type 40 vis Weight \_\_\_\_\_ PPG

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

CEMENTER Paul Bauer

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
6:30	0		5	5	4	Hold Safety meeting Run pipe, Break circ drop and pumped ball through @ 400# mix 20 sks in mix
	0		7	12	4	mix 30 sks in R.H
	200		95	107	6	mix 400 sks lik @ 12.8#
	200		57	164	6	mix 350 sks, Corn @ 14.5#
	0		5	169	4	wash up to pit / release plug
	2000		113	282	6	Displace w/ water
7:30						Plug did land @ 2500# Lift pressure 2000# cement did circ
						Hold Safety meeting
						That's it Paul

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