



CEMENTING LOG

STAGE NO. _____

Date 2-8-15 District Osage, KS Ticket No. 44817
 Company Berco 10 Rig Berco 10
 Lease 3DMS Well No. 1-23
 County Rawlins State KS
 Location 23-1s-36w Field _____

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

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 4 1/2 Type New Weight 11.6 Collar _____

LEAD: Pump Time _____ hrs. Type 60/40 8 1/2 gel
3/4" Flo-seal Excess _____
 Amt. 300 Sks Yield 1.90 ft³/sk Density 121.5 PPG _____
 TAIL: Pump Time _____ hrs. Type Com 10 1/2 salt
5 1/2 gals/sk 2 1/2 gel Excess _____
 Amt. 200 Sks Yield 1.56 ft³/sk Density 14.5 PPG _____
 WATER: Lead 10.9 gals/sk Tail 6.97 gals/sk Total _____ Bbls. _____

Casing Depths: Top KB Bottom 4580'

Pump Trucks Used 431-Brandon
 Bulk Equip. 818/287-George Grant
890/211-Wayne Messelle

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

Float Equip: Manufacturer Industrial Rubber
 Shoe: Type AFU Float shoe Depth _____
 Float: Type Latexdown plug Assy Depth _____
 Centralizers: Quantity 10 Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. 20 receipt scratchers
 Disp. Fluid Type water Amt. 70 Bbls. Weight _____ PPG _____
 Mud Type 40 vts Weight _____ PPG _____

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. .0155 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. _____

COMPANY REPRESENTATIVE _____

CEMENTER Paul Beaver

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						Hold Safety meeting Run Pipe / Float equip Drop ball, pumped ball through @ 400# Circ thro
1:00	0		5.0	5.0	4	mix 30 sks in R.H
	0		3.0	8.0	4	mix 20 sks in m.H
	300		78.0	86.0	6	mix 300 sks like @ 12.5#
	300		33.0	119.0	6	Tail w/ 200 sks Com @ 14.5#
	300		20	139.0	4	Washup to pit / release plug
	500		20	159.0	6	Displace w/ water
	1000		10	169.0	6	
	1200		10	179.0	6	
2:00	1600		10	189.0	6	plug did land @ 2100# lift pressure 1600# Float did hold cement did not circulate