

Date 1-11-16 District Dale, KS Ticket No. 67511
 Company Perello Rig Bredon
 Lease Parkerson Unit Well No. 4-8
 County Leary State KS
 Location 8-23-37 Field _____

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

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

LEAD: Pump Time _____ hrs. Type 65/35/6, ASC
120 like 130 ASC Excess _____
 Amt. 7 Sks Yield 2.0, 1.58 ft³/sk Density 12, 14.5 PPG
 LEAD: Pump Time _____ hrs. Type 65/35/6, ASC
 Excess _____
 Amt. 50 lbs Sks Yield 2.0, 1.58 ft³/sk Density 12, 14.5 PPG
 WATER: Lead 12.6, 7.0 gals/sk Tail _____ gals/sk Total _____ Bbls.

Casing Depths: Top 163 Bottom 4947

Pump Trucks Used 431
 Bulk Equip. 815/310
891/287

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 7/8 T.D. 4250 ft. P.B. to _____ ft.

Float Equip: Manufacturer Weatherford 5 1/2
 Shoe: Type AFU Depth _____
 Float: Type Plex Assy Depth _____
 Centralizers: Quantity 15 Plugs Top DV Btm. Plex
 Stage Collars DV TOOL
 Special Equip. 4 Baskets
 Disp. Fluid Type water / mud Amt. _____ Bbls. Weight _____ PPG
 Mud Type 40 / 70 Top - 70 H₂O Weight _____ PPG
50 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. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

COMPANY REPRESENTATIVE _____

CEMENTER Paul Beaver

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS	
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period		RATE Bbls Min.
						Bottom Stage	
4:00		200 #		36	36	6	Hold Safety meeting
		200 #		22	58	6	Run Pipe / Float equip / Drop ball, 600" circ 1 hr
		0		5	63	4	Mix 120 sks Lite @ 12 #
		200 #		40	103	6	Mix 130 sks ASC @ 14.5 #
		1000 #		76	179	6	wash-up to pit / release plug
		1600 #					Displace w/ water
		900 #					Displace w/ mud
		0 #					plug did lead @ 1600 #, 1100 lift #
		0 #					Drop Dart / opened tool @ 200 #
		0 #		3	3	4	circ 4 hrs - Top Stage
		0 #		5	8	4	Mix 20 sks in m. ft
		200 #		120	128	6	Mix 30 sks in R. ft
		300 #		8	136	6	Mix 400 sks Lite @ 12 #
		0 #		5	141	4	Mix 50 sks ASC @ 14.5 #
		1000 #		76	217	6	wash-up / release plug
5:30		2000 #					Displace w/ water mud
							plug did lead @ 2000 #
							Libt 1000 # tool did close
							Cement did circ

Thank you!