

Date 7-19-13 District Liberal Ticket No. 052308
 Company R + B O.I + Gas Rig _____
 Lease Deppenbusch C Well No. 10W020
 County Harper State KS
 Location _____ Field _____

CEMENT DATA:

Spacer Type: _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 5 1/2 Type _____ Weight 15.5 Collar _____
35 sk @ 1466 ft
35 sk @ 1079 ft

LEAD: Pump Time _____ hrs. Type 60/40 - 4% Gel
 Excess _____
 Amt. 130 Skys Yield 1.42 ft³/sk Density 13.8 PPG

TAIL: Pump Time _____ hrs. Type Class A - Neat
 Excess _____
 Amt. 50 Skys Yield 1.18 ft³/sk Density 15.6 PPG

WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Casing Depths: Top 1466 ft Bottom _____

Pump Trucks Used _____
 Bulk Equip. 470-528

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

Float Equip: Manufacturer _____

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. .0309 Lin. ft./Bbl. _____
Balance Bbls/Lin. ft. .0577 Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Shoe: Type _____ Depth _____

Float: Type _____ Depth _____

Centralizers: Quantity _____ Plugs Top _____ Btm. _____

Stage Collars _____

Special Equip. _____

Disp. Fluid Type Fresh Water Amt. _____ Bbls. Weight _____ PPG

Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE _____

CEMENTER Kirby Harper

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
0835						On location - Spott Rig up
0900						Safety meeting
0910		100			11	2 Break Circulation
0918		100			9	3 Start Mixing 35 sk 60/40 @ 13.8 PPG
0921		100			0	3 Start Displacement
0934		-			30	Shut Down - Pull to 1079 ft
1017		50			9	2 Start Mixing 35 sk 60/40 @ 13.8 PPG
1023		50			0	3 Start Displacement
1032		-			21	Shut Down - Pull to 266 ft
1124		-			7	2 Pump Water
1132		-			15	3 Mix 60 sk 60/40 @ 13.8 PPG
1139		-				Both w/casing
1200		-				Top off Well