

Date 11-1-13 District Cibola Ticket No. 52250
 Company Sunflower Energy Rig Tomcat
 Lease KPM Farms Well No. 1-19
 County Gray State KS
 Location _____ Field _____

CEMENT DATA:

Spacer Type: H₂O
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type CLASS A 700cc
2% Sodium Metasilicate excess 10# 110
 Amt. 450 Sks Yield 3.00 ft³/sk Density 11.4 PPG

TAIL: Pump Time _____ hrs. Type CLASS C
240cc 150 Excess _____

Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

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

Pump Trucks Used 531-541
 Bulk Equip. 472-554 774-744

Float Equip: Manufacturer Weather

Shoe: Type _____ Depth _____

Float: Type _____ Depth _____

Centralizers: Quantity 5 Plugs Top _____ Btm. _____

Stage Collars _____

Special Equip. Cement basket at 600'

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

Mud Type _____ Weight _____ PPG

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 8 7/8 Type _____ Weight 34 Collar _____

Casing Depths: Top _____ Bottom 1050

Drill Pipe: Size _____ Weight _____ Collars _____

Open Hole: Size 12 1/4 T.D. 1855 ft. P.B. to _____ ft.

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. _____ 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 _____

CEMENTER Greg Brya

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
1:00pm						On location at 1:00pm.
7:30	1500					Pressure test 1500psi
7:31	200		10	-	4	H ₂ O ahead spacer 10 bbls
7:34	200		245	-	5	Mixing lead cement at 11.4
8:10	200		352	-	4	Mixing tail cement at 14.8
8:25	6		-	-	-	Shut down to release plug
8:28	100		115	-	5	Plug left head displacement 115 bbls
8:47	1200		-	-	-	Landed plug 100 bbls of cement to surface Head holding everything good THANK YOU