



CEMENTING LOG

STAGE NO. 2

Date 8-21-14 District Daklog KS Ticket No. 064134
 Company Beruco LLC Rig Beruco 1
 Lease Lena Mai Well No. 3-29
 County Pinnac State KS
 Location 20-23-32 Field _____

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

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

LEAD: Pump Time _____ hrs. Type 6.5/35 6 1/2
gel 1/4 # Flo-seal Excess _____
 Amt. 360 Skys Yield 1.97 ft³/sk Density 12.42 PPG _____
 TAIL: Pump Time _____ hrs. Type ASC 10 1/2 3 1/4
6 # gilbert 2 1/2 gel .50 FL-100 .25 # P. Beaver
 Amt. 50 Skys Yield 1.59 ft³/sk Density 14.48 PPG _____
 WATER: Lead 10.9 gals/sk Tail 7.0 gals/sk Total _____ Bbls.

Casing Depths: Top K-B Bottom 3205'

Pump Trucks Used 431 - Tyler F / Chris (TWS)
 Bulk Equip. 544-595 - Estaban - TWS
890/310 - Joan T (TWS)

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 7/8 T.D. 4928 ft. P.B. to 3205' ft.
 (DV 4001)

Floater Equip: Manufacturer Weatherford
 Shoe: Type _____ Depth _____
 Floater: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top DV Btm. _____
 Stage Collars DV TOOL
 Special Equip. _____
 Disp. Fluid Type water Amt. 76.28 Bbls. Weight _____ PPG _____
 Mud Type 40vis Weight _____ PPG _____

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

COMPANY REPRESENTATIVE Wayne

CEMENTER Paul Beaver

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
7:00	0"		7.79	7.79	2	Hold Safety meeting mix 30 sks in R.H. mix 20 sks in M.H. mix 10 sks in L.H. mix 310 sks L.H. weigh cement @ 12.5# mix 50 sks ASC weigh cement @ 14.5# stop cement wash up into pit Release plug Displace w/ water plug did land tool did close cement did circulate trace of cement @ surface Thank you
	0"		5.19	12.98	2	
	200#	80.45		93.43	4	
	200#	8.33		101.76	4	
	0"	5.0		106.76	2	
	200#	20.0		126.76	6	
	200#	20.0		146.76	6	
	400#	10.0		156.76	6	
	600#	10.0		166.76	6	
	800#	10.0		176.76	6	
8:00	1000#	6.28		183.04	4	