

Date 8-13-14 District Daklay, KS Ticket No. 064/28
 Company Petrosantander Rig Val 1
 Lease Scott Well No. 6-13
 County Keosauqua State KS
 Location 13-211-35 Field _____

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

Casing Depths: Top KB Bottom 5006'

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 7/8 T.D. 5012 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbbs/Lin. ft. .0238 Lin. ft./Bbl. _____
 Open Holes: Bbbs/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbbs/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbbs/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

COMPANY REPRESENTATIVE _____

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

LEAD: Pump Time _____ hrs. Type _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

TAIL: Pump Time _____ hrs. Type ASC 10% salt
 Amt. 185 Skys Yield 1.56 ft³/sk Density 14.66 PPG
 WATER: Lead 6.97 gals/sk Tail _____ gals/sk Total 30.70 Bbbs.

Pump Trucks Used 431 - Brandon
 Bulk Equip. 891/310 - Juan M (TWS)
George Grant

Float Equip: Manufacturer Weatherford
 Shoe: Type AFU Float Shoe Depth 5006'
 Float: Type catchdown Flex Assy Depth 4989'
 Centralizers: Quantity 10 Plugs Top DV Btm. Flex
 Stage Collars DV TOOL
 Special Equip. 2 Baskets

Disp. Fluid Type water/mud Amt. _____ Bbbs. Weight _____ PPG
 Mud Type 706bl / 48 bl Weight _____ PPG
40vis

CEMENTER Paul Beaver

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
				Bbl	Bbl/hr	
		750*				Hold safety meeting Run Pipe / Float equip Break Circ / Drop ball pumped ball through shoe @ 750# Circ 1 hr
11:00pm		300*	5.0	5.0	4	Run water spacer
		300*	12.0	17.0	4	Mud mud flush
		300*	5.0	22.0	7	pump water spacer
		250*	30.70	52.70	4	Start cement mix 185 sks ASC
		0*	5.0	57.70	2	weigh cement 3 times @ 14.5# stop cement
		300*	70.0	127.70	6	wash-up pump + lines to pit
		300*	10.0	137.70	6	Release plug
		400*	10.0	147.70	6	Displace w/ water
		600*	10.0	157.70	6	Displace w/ mud
		800*	10.0	167.70	6	
		1000*	R.O	175.70	4	plug did land @ 1500#
						Lift pressure 1000#
1:00a.m.		900*				Float did hold Drop dart / opened tool Circ 4 hrs.

Date 8-14-14 District Oakley, KS Ticket No. 0164128
 Company Palps sandhider Rig Val 1
 Lease Soft Well No. 10-13
 County Leavin State KS
 Location 13-21-75 Field _____

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

Casing Depths: Top KB Bottom 2009'

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 7/8 T.D. 5012 ft. P.B. to 2009' ft.

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. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:

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

LEAD: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

TAIL: Pump Time _____ hrs. Type 65/35
 Excess _____
 Amt. 400 Sks Yield 1.97 ft³/sk Density 12.7 PPG

WATER: Lead 10.8 gals/sk Tail _____ gals/sk Total 102.86 Bbls.

Pump Trucks Used 431- Brandon W.
 Bulk Equip. 386 / 241 - George Grant
Tuan M. (Tus)

Floater Equip: Manufacturer Weatherford
 Shoe: Type APV Floater shoe Depth 5006'
 Floater Type Latch down Flex Assy Depth 4989'
 Centralizers: Quantity 10 Plugs Top DV Btm. Flex
 Stage Collars DV TOOL (2009')
 Special Equip. 2 Baskets
 Disp. Fluid Type Water Amt. 47.82 Bbls. Weight _____ PPG
 Mud Type 40 vis Weight _____ PPG

COMPANY REPRESENTATIVE _____

CEMENTER Paul Brewer

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per. Time-Period	RATE Bbls Min.	
4:00	0 #		811	7.71	2	mix 30 sks in R.H mix 15 sks in m.H
	0 #		3.86	11.57	2	
	200 #		91.29	102.86	6	start cement mix 355 sks Lite
	0 #		5.0	107.86	2	stop cement wash up pump lines to pit
	200 #		10.0	117.86	6	release plug Displace w/ water
	300 #		10.0	127.86	6	
	400 #		10.0	137.86	6	
	600 #		10.0	147.86	6	
5:00	800 #		8.0	155.86	4	plug did land @ 1800 # Tool did close Lift pressure 800 #
						cement did circulate (cement in cellar)
						Hold Safety meeting Thank You!

FINAL DISP. PRESS: 800 PSI BUMP PLUG TO 1800 PSI BLEEDBACK 1/2 BBLs. THANK YOU