



ALLIED

CEMENTING CO., LLC
Cementing & Acidizing Services

CEMENTING LOG

STAGE NO. _____

Date 9-20-13 District Med Lodge Ticket No. 54788
 Company Borecco Rig Borecco #1
 Lease Louis Well No. D-11
 County Barber State KS
 Location Hardtner 134E 4N Eint 9 Field _____

CEMENT DATA:
 Spacer Type: _____
 Amt. _____ Sks 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 65/35 67 gal
4 5/6 Excess _____
 Amt. 125 Sks Yield 1.98 ft³/sk Density 12.5 PPG
 TAIL: Pump Time _____ hrs. Type ASC 6th Colson 1st
5 3/4 51-160 DeFoamer Excess _____
 Amt. 200 Sks Yield 1.57 ft³/sk Density 14.5 PPG
 WATER: Lead 10.9 gals/sk Tail 7.23 gals/sk Total _____ Bbls.

Casing Depths: Top _____ Bottom _____

Pump Trucks Used 360/265 - J-LC H
 Bulk Equip. 381/252 - Carl Rn

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 7/8 T.D. 5026 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. .0238 Lin. ft./Bbl. 42.01
 Open Holes: Bbls/Lin. ft. .0602 Lin. ft./Bbl. 16.5793
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. .0309 Lin. ft./Bbl. 32.4065
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Float Equip: Manufacturer WF-IR
 Shoe: Type AFU float shoe Depth 5026
 Float: Type AF Depth _____
 Centralizers: Quantity 12 Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type water Amt. 118 1/2 Bbls. Weight 8.39 PPG
 Mud Type _____ Weight 9 PPG

COMPANY REPRESENTATIVE _____

CEMENTER [Signature]

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
9-19 10:00pm						Arrive on location
9-20 12:00AM						Safety meeting
9:00 AM						Setup
9:00 AM						run 60 ft of 5 1/2 15.5 csg
11:20 AM						circulate hole
12:10 PM						run 61 ft of csg
2:20 PM						circulate hole
3:45 PM	2500#					test lines
3:50 pm			7 1/2 bbl		3 bbl/min	mix 30 st in rat hole of 63/35 67 gal
3:55 pm			5 bbl		2 bbl/min	mix 20 st in mouse hole
4:00 pm	200#		20 bbl		5 1/2 bbl/min	mix 25 st of 65/35 at 12#
	200#				5 1/2	mix 50 st of 65/35 at 12.5#
4:36 pm	1000#		35 bbl		5 1/2	mix 20 st of ASC
4:56 pm	800#		7 1/2 bbl		6 bbl/min	displace with water
4:56 pm	800#		30 bbl		5 1/2 bbl/min	displace
5:00 pm	1700#		14 1/2		3 1/4 bbl/min	displace
						land plug
						release
						wash clean
5:30 pm						tear down
6:00 pm						leave location