



CEMENTING LOG

STAGE NO.

API: 15-147-20726-00-00

Date 11.7.13 District Russell Ticket No. 56815
 Company BARLINE Oil Rig LOW Drilling
 Lease Coover Well No. 1-6
 County Phillips State Kc
 Location Phillipsburg, Kc Field 2w S into
e to 1100 rd 0.5m

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 8 5/8 Type CSG Weight #23 Collar

8 5/8 CSG @ 221' in 12 1/4 Hull
 Casing Depths: Top 0' Bottom 221'

@ 221' there is 15' SJ left in CSG.

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

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. _____ Lin. ft./Bbl. 0.0637
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. 13.6037
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:

Spacer Type: _____ Amt. 150 Skys Yield 1.34 ft³/sk Density _____ PPG

LEAD: Pump Time 18 min hrs. Type 150 sk com
+ 37 cc + 27 gal Excess _____

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

TAIL: Pump Time _____ hrs. Type _____
 Excess _____

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

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

Pump Trucks Used #409 - Nathan D
 Bulk Equip. #410 - Joe G.

Float Equip: Manufacturer — O —

Shoe: Type _____ Depth _____

Float: Type _____ Depth _____

Centralizers: Quantity _____ Plugs Top _____ Btm. _____

Stage Collars _____
 Special Equip. _____

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

Donny Pfenning

COMPANY REPRESENTATIVE _____

CEMENTER _____

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
5:00 pm						On location set up truck for pumping cement.
6:30 pm						Circulated Hull with mud @ 10 min.
7:00 pm			22.85			x Ran 150sk com 37 cc + 27 gal @ 22.85 gpm
7:20 pm			13.12			cement circulated to surface.
7:30 pm						Displaced cement @ 13.12 gpm cement circulated to surface.
7:35 pm						Shot 8 5/8 in @ 300 psi.
8:00 pm						Washed truck - picked up iron. - Racked up.



CEMENTING LOG

STAGE NO.

API: 15-147-20726-00-00

CEMENT DATA:

Date 11.12.13 District Russell Ticket No. 56819
 Company BARLINE Oil Rig WLD Drilling
 Lease Garver Well No. 1-0
 County Phillips State Ks
 Location Phillipsburg Ks Field _____
e to Center rd 5a 2w South into

Spacer Type: _____
 Amt. 205 Skys Yield 1.42 ft³/sk Density _____ PPG
60/40 + 41.3 gel + 1/4 Ho-seal

LEAD: Pump Time _____ hrs. Type _____
 Excess _____

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

Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG
 WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Pump Trucks Used #409 - Nathan D
 Bulk Equip. #481 - Jesse C

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

Floater Equip: Manufacturer _____
 Shoe: Type _____ Depth _____

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. -01472
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. -05482
 Perforations: From _____ ft. to _____ ft. Amt. _____

Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type _____ Amt. _____ Bbls. Weight _____ PPG
 Mud Type _____ Weight _____ PPG

MPANY REPRESENTATIVE _____ CEMENTER Amy Pfannstiel

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
<u>7:00 pm</u>						<u>On location set up Truck -</u>
<u>1:00 Am</u>			<u>4.10 h^{1/2} mix</u>	<u>2.11 h^{1/2} mix/min</u>		<u>* P1 = 1500' @ 25SK - Pumped cement @ 4.10 h^{1/2} mix - Displaced cement @ 2.11 h^{1/2} mix/min - Displaced with Kelly</u>
<u>2:30 Am</u>			<u>16.42 h^{1/2} mix</u>	<u>8.01 h^{1/2} mix</u>		<u>* P2 = 1025' @ 100SK - Pumped cement @ 16.42 h^{1/2} mix - Displaced cement @ 8.01 h^{1/2} mix</u>
<u>4:30 Am</u>			<u>3.29 h^{1/2} mix</u>	<u>2.60 h^{1/2} H₂O</u>		<u>* P3 = 275' @ 20SK - Pumped cement @ 3.29 h^{1/2} mix - Displaced cement @ 2.60 h^{1/2} H₂O</u>
<u>6:45 Am</u>			<u>4.15 h^{1/2} mix</u>			<u>* P4 = 40' @ 10SK - Pumped cement @ 4.15 h^{1/2} mix. 1x 8" wooden plug. cement to surface.</u>
<u>7:00 Am</u>			<u>5 h^{1/2} mix</u>			<u>* P5 = RATHOLE @ 30SK Pumped 5 h^{1/2} mix.</u>
<u>7:30 pm</u>			<u>6 h^{1/2} H₂O</u>			<u>* Washed Truck - Racked up.</u>