



CEMENTING LOG

STAGE NO. 2

Date 8-6-13 District Oakley Ticket No. 060773
 Company Bereco Rig Bereco 2
 Lease Timothy Well No. 1-16
 County Finney State KS
 Location 16 22 34 Field Biglowe + Barlow Rd 4W N+E INTO
 CASING DATA: Conductor PTA Squeeze Misc
 Size 5/8 Surface Intermediate Production Liner
 Type new Weight 15.5 Collar _____

CEMENT DATA:
 Spacer Type: _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____
 LEAD: Pump Time _____ hrs. Type LITE TYPE 2
14 FLO-5001 Excess _____
 Amt. 495 Sks Yield 1.9 ft³/sk Density 1213 PPG _____
 TAIL: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____
 WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Casing Depths: Top KB Bottom 4834.92

Pump Trucks Used 423-281
 Bulk Equip. 566
373

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 2 7/8 T.D. 4850 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 2238 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. _____

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type water Amt. 25.35 Bbls. Weight _____ PPG _____
 Mud Type _____ Weight _____ PPG _____

COMPANY REPRESENTATIVE _____

CEMENTER Andrew

TIME (AM/PM)	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
<u>2:30</u>						<u>plug mouse hole</u> <u>plug rat hole</u> <u>mix cement down 5/8 casing</u> <u>cement mixed</u> <u>wash pump and line clean</u> <u>start displacement</u>
	<u>500</u>			<u>10</u>		
				<u>10</u>		
	<u>800</u>			<u>10</u>		
	<u>1000</u>			<u>10</u>		
	<u>1100</u>			<u>10</u>		
	<u>1100</u>			<u>6</u>		
<u>2:30</u>	<u>1800</u>					<u>plug landed</u> <u>TOOL CLOSED</u> <u>CEMENT DID CIRCULATE</u>

FINAL DISP. PRESS: 1100 PSI BUMP PLUG TO 1800 PSI BLEEDBACK 1/2 BBLs. THANK YOU



CEMENTING LOG

STAGE NO. 1

Date 8-6-13 District Ookley Ticket No. 060723
 Company Dereco Rig Dereco-2
 Lease Timothy Well No. 1-16
 County Pinnery State KS
 Location 16 22 34 Field Biglowe + Barlow 4w N + S in 20
 CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 5/2 Type NRW Weight 15.5 Collar _____

CEMENT DATA:
 Spacer Type: _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG
 LEAD: Pump Time _____ hrs. Type Lite Type 2
 Excess _____
 Amt. 100 Skys Yield 1.9 ft³/sk Density 12.13 PPG
 TAIL: Pump Time _____ hrs. Type ASC 10% 5/19
 Amt. 210 Skys Yield 1.56 ft³/sk Density 14.6 PPG
 WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.
 Pump Trucks Used 423-281
 Bulk Equip. 566

Casing Depths: Top KB Bottom 4834.92

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 7/8 T.O. 4850 ft. P.B. to _____ 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. _____

Float Equip: Manufacturer Industrial Rubber
 Shoe: Type APL Flood shoe Depth 4834.92
 Float: Type Latchdown plug ASS Depth 4792.67
 Centralizers: Quantity 15 Plugs Top _____ Btm. _____
 Stage Collars OV TOOL
 Special Equip. Baskets
 Disp. Fluid Type water mud Amt. 114.6 Bbls. Weight _____ PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE _____ CEMENTER Andrew

TIME (AM/PM)	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
<u>1:00</u>						<u>start mixing Lite</u> <u>Lite mixed start ASC</u> <u>ASC mixed</u> <u>wash pump and line clean</u> <u>Release plug</u> <u>start displacement with water</u> <u>could not get water</u> <u>start mud</u> <u>water in start mud</u>
				<u>10</u>	<u>1.5</u>	
				<u>10</u>	<u>1.5</u>	
				<u>10</u>	<u>1.5</u>	
				<u>10</u>	<u>1.5</u>	
	<u>500</u>			<u>10</u>	<u>1.5</u>	
	<u>700</u>			<u>10</u>	<u>1.5</u>	
	<u>800</u>			<u>10</u>	<u>1.5</u>	
	<u>900</u>			<u>10</u>	<u>1.5</u>	
	<u>900</u>			<u>5</u>	<u>2.5</u>	
	<u>900</u>			<u>2.5</u>	<u>2.5</u>	<u>plug did not land</u> <u>drilled up</u> <u>open DV TOOL</u>
<u>2:00</u>	<u>1500</u>					

FINAL DISP. PRESS: 900 PSI BUMP PLUG TO _____ PSI BLEEDBACK _____ BBLs. THANK YOU