

Date 11-9-13 District 21 Ticket No. 52021
 Company Duke 9 Rig #9
 Lease Cinda Well No. 21-2
 County Steven State KS
 Location Vic Moscow KS Field _____

CEMENT DATA:
 Spacer Type: H2O
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
10 bbls

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 8 5/8 Type _____ Weight 24# Collar _____

LEAD: Pump Time _____ hrs. Type 65-35 6 1/2 gal
3 1/2 cc 1 1/4 # 110 Excess _____
 Amt. 625 Sks Yield 1.97 ft³/sk Density 12.4 PPG
 TAIL: Pump Time _____ hrs. Type 65-35 6 1/2 gal
1 1/4 # 110 Excess _____
 Amt. 200 Sks Yield 1.10 ft³/sk Density 15.6 PPG
 WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Casing Depths: Top 0 Bottom 1756

Pump Trucks Used 547-550
 Bulk Equip. 456-251 470-467

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

Float Equip: Manufacturer Weather Ford
 Shoe: Type Guide Shoe Depth 1756
 Float: Type Insert Float Depth 1713.3
 Centralizers: Quantity 3 Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. Cement basket
 Disp. Fluid Type _____ Amt. _____ Bbls. Weight _____ PPG
 Mud Type _____ Weight _____ PPG

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

COMPANY REPRESENTATIVE [Signature]

CEMENTER Sergio Braga

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
3:30						On location at 3:30 p.m.
6:45		2000		-		pressure test 2000
6:49		200		10	6	10 bbl ahead H2O
7:04		300		229	7	lead cement at 12.4
8:00		250		271	6	Tail cement at 15.6
9:15				-		Shut down to release plug
8:18		150		300	7	plug left displacement 109.3 bbls
8:35		1200		300	3	landed plug 1200 psi 100 bbls of cement to surface

Cement Report

Customer <i>Palmer Oil/American Warrior</i>		Lease No.		Date <i>11-17-13</i>				
Lease <i>Linda</i>		Well # <i>21-4</i>		Service Receipt				
Casing		Depth		County <i>Stevens</i>				
Job Type		Formation		State <i>KS</i>				
				Legal Description <i>21-31-35</i>				
Pipe Data			Perforating Data			Cement Data		
Casing size <i>5 1/2 17#</i>			Tubing Size			Lead <i>200 SKS @ 14.8 PPG</i> <i>Sr. W60, 104 Salt</i> <i>61. C-15 1/4 Detramer</i> <i>S# Gtsonite</i> <i>AA2 Cement</i> Tail-in <i>for Mouse Hole</i> <i>50 SKS @ 13.5 PPG</i> <i>& Rat Hole</i> <i>60/40 Poz</i>		
Depth <i>6395'</i>			Depth					
Volume <i>147.8 bbl</i>			Volume					
Max Press			Max Press					
Well Connection			Annulus Vol.					
Plug Depth <i>6373'</i>			Packer Depth					
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log			
<i>0600</i>					<i>On location - King up</i>			
<i>1045</i>					<i>Safety Meeting</i>			
<i>1110</i>	<i>2500</i>				<i>Pressure Test.</i>			
<i>1113</i>	<i>100</i>		<i>8</i>	<i>4</i>	<i>Pump 30 SKS @ 13.5 PPG, Plug Rat Hole</i>			
<i>1118</i>	<i>100</i>		<i>5</i>	<i>4</i>	<i>Pump 20 SKS @ 13.5 PPG, Plug Mouse Hole</i>			
<i>1134</i>	<i>100</i>		<i>12</i>	<i>5</i>	<i>Pump 500 gallons of Mudflush</i>			
<i>1137</i>	<i>300</i>		<i>53</i>	<i>6</i>	<i>Pump 200 SKS @ 14.8 PPG</i>			
<i>1146</i>					<i>Drop Plug - Wash up</i>			
<i>1151</i>	<i>100</i>			<i>6</i>	<i>Start Displacement</i>			
<i>1211</i>	<i>650</i>		<i>135</i>	<i>2</i>	<i>Slow Rate</i>			
<i>1215</i>	<i>1150</i>		<i>147</i>	<i>2</i>	<i>Bump Plug</i>			
<i>1220</i>	<i>0</i>				<i>Release Pressure - float Held</i>			
Service Units		<i>78440</i>	<i>3875019842</i>	<i>3046437724</i>				
Driver Names		<i>Ruben</i>	<i>Carlos</i>	<i>Daniel</i>				

Joe Smith
Customer Representative

Jerry Bennett
Station Manager

Ruben Martinez
Cementer