



CEMENTING LOG

Date 11/13/2013 District Liberal # 21 Ticket No. 052113
 Company BEREXCO Rig BEREXCO # 1
 Lease ELNORA Well No 1-20
 County FINNEY State KS
 Location _____
 Field _____
 Casing Data: Conductor PTA Squeeze Misc.
 Surface Intermediate Production Liner
 Size 5 1/2 Type 1-55 Weight 15.5 Collar 8RD

CEMENT DATA
 Spacer Type 10 BBL FW / 10 BBL FW
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____

LEAD: Time _____ hrs. Type ALWC: TYPE 1 - CLASS A
1/4# FLOSEAL Excess _____
 Amt: 100 Sks Yield: 1.97 ft³/sk Density: 12.5 PPG
 TAIL: Time _____ hrs. Type ASCA
6# GILSONITE, .5% FL-160, .25% DEFOAMER Excess _____
 Amt: 250 Sks Yield 1.58 ft³/sk Density 14.5 PPG
 WATER Lead 10.9 Gal/sk Tail 7.23 Gal/sk Total _____ BBLs

Casing Depths Top SI 43 FT Bottom 5343
 DV TOOL @ 3205 FT

Pump Trucks Used: 530 - 484
 Bulk Equipment 470 - 467
456 - 251

Drill Pipe: BBLs/LIN. FT. _____ LIN. FT/BBL _____
 Open Hole: BBLs/LIN. FT. _____ LIN. FT/BBL _____
 Capacity Factors: BBLs/LIN. FT. _____ LIN. FT/BBL _____
 Casing BBLs/LIN. FT. 0.0159 LIN. FT/BBL _____
 Open Holes BBLs/LIN. FT. 0.0309 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 Equipment: Manufacturer: INDUSTRIAL RUBBER
 Shoe: Type AFU FLOAT SHOE Depth 5343
 Float: Type LD PLUG Depth 5300
 Centralizers: Quantity 18 Plugs Top _____ Bottom _____
 Stage Collars IR DV TOOL W/PLUG SET
 Special Equipment 3 BASKETS
 Disp: Fluid Type _____ Amt _____ bbls Weight _____ PPG
 Mud Type _____ Weight _____

COMPANY REPRESENTATIVE _____ CEMENTER KIRBY HARPER

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLs/MIN	
1300						ON LOCATION - SPOT AND RIG UP
1930						CASING ON BOTTOM - BREAK CIRCULATION
2030						SAFETY MEETING
2040	3000					PRESSURE TEST
2042	300			10'	5	START PUMPING 10 BBL FRESH WATER SPACER
2047	300			35'	5	START MIXING 100 SK ALWC @ 12.5 PPG
2102	300			70'	5	START MIXING 250 SK ASCA @ 14.5 PPG
2120						SHUT DOWN - CLEAN LINES - DROP LATCH DOWN PLUG
2126	200		0	50'	5	START PUMPING 50 BBL FRESH WATER
2132	300		50'	76'	5	START PUMPING 76 BBL MUD
2148	500		70'		2	SLOW RATE
2154	600		80'		5	RESUME RATE
2203	900		116'		2	SLOW RATE
2208	1000		129'			PLUG DIDN'T LAND
2209	1000					RELEASE PRESSURE - FLOATS HELD
2217						DROP OPENING TOOL
2230	1200					OPEN TOOL - BREAK CIRCULATION WITH RIG - WOC
0230						PLUG RAT AND MOUSE HOLES
0310	3000					PRESSURE TEST
0312	200			10'	5	START PUMPING 10 BBL FRESH WATER SPACER
0314	200			106'	5	START MIXING 300 SK ALWC @ 12.5 PPG
0336	200			14'	5	START MIXING 50 SK ASCA @ 14.5 PPG
0349						SHUT DOWN - CLEAN LINES - DROP CLOSING TOOL
0358	200		0		6	START DISPLACING WITH 76 BBL FRESH WATER
0415	1000		66'		2	SLOW RATE
0419	1000-2500		76'			BUMP PLUG
0421	2500					RELEASE PRESSURE - TOOL CLOSED

FINAL DISP. PRESS 1000/1000 PSI BUMP PLUG TO 1000/2500 PSI BLEEDBACK .5/5 BBLs THANK YOU