ALLIED OIL & GAS SERVICES, LLC

CEMENTING LOG

Date 12/23/2013 District Liberal # 21 Ticket No. 052133
Company BEREXCO Rig BEREDCO # 1
Lease ELSIE Well No 1-17
County FINNEY State KS
Location
Field

Casing Data ☐ Conductor ☐ PTA ☐ Squeeze ☐ Misc.
☑ Surface ☐ Intermediate ☐ Production ☐ Liner
Size 8 5/8 Type J-55 Weight 24 Collar

Casing Depths Top Bottom 1780

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 0.0636 LIN. FT/BBL
Open Holes BBLS/LIN. FT LIN. FT/BBL
Drill Pipe BBLS/LIN. FT LIN. FT/BBL
Annulus BBLS/LIN. FT 0.0735 LIN. FT/BBL
BBLS/LIN. FT LIN. FT/BBL
Perforations From ft to ft Amt

CEMENT DATA
Spacer Type 5 BBL FRESH WATER
Amt. Sks Yield ft³/sk Density PPG

LEAD: Time hrs. Type ALWC: TYPE 1 - CLASS A
3%CC, 1/4 # FLOSEAL Excess
Amt. 625 Sks Yield 1.97 ft³/sk Density 12.52 PPG
TAIL: Time hrs. Type CLASS A
3% CC, 1/4 # FLOSEAL Excess
Amt. 150 Sks Yield 1.35 ft³/sk Density 14.8 PPG
WATER Lead 10.7 Gal/sk Tail 6.3 Gal/sk Total BBLS

Pump Trucks Used: 530 - 484
Bulk Equipment 868 - 842
472 - 554

Float Equipment: Manufacturer WEATHERFORD
Shoe: Type REGULAR GUIDE SHOE Depth
Float: Type AFU INSERT FLOAT Depth
Centralizers: Quantity 3 Plugs Top 1 Bottom
Stage Collars
Special Equipment
Disp: Fluid Type FRESH WATER Amt bbls Weight 8.33 PPG
Mud Type Weight

COMPANY REPRESENTATIVE
CEMENTER KIRBY HARPER

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLS/MIN	
1000						ON LOCATION -- SPOT AND RIG UP
1700						CASING ON BOTTOM -- BREAK CIRCULATION
1800						SAFETY MEETING
1838	2000					PRESSURE TEST
1840	200			5	6	START PUMPING 5 BBL FRESH WATER
1842	200			220	6	START MIXING 625 SK ALWC @ 12.5 PPG
1916	200			36	6	START MIXING 150 SK CLASS A @ 15.6 PPG
1923						SHUT DOWN -- DROP TOP PLUG
1937	100		0		6	START DISPLACING WITH FRESH WATER
1952	750		100		2	SLOW RATE
1954	750-1300		110			BUMP PLUG
1956	1300-0					RELEASE PRESSURE -- FLOAT HELD
			30			CIRCULATE CEMENT TO THE PIT

FINAL DISP. PRESS 750 PSI BUMP PLUG TO 1300 PSI BLEEDBACK 0.5 BBLS THANK YOU