ALLIED OIL & GAS SERVICES, LLC

CEMENTING LOG

Date 5/8/2014 District Liberal # 21 Ticket No. 53127
Company RING ENERGY, Rig VAL # 2
Lease WEDEL TRUST Well No 33-2
County GRAY CO. State KS.
Location
Field

Casing Data ☐ Conductor ☑ PTA ☐ Squeeze ☐ Misc. ☐ Surface ☐ Intermediate ☐ Production ☐ Liner

Size 8 5/8 Type Weight 24# Collar

Casing Depths Top Bottom 1810 FT.

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	0.0637	LIN. FT/BBL	
Open Holes	BBLS/LIN. FT		LIN. FT/BBL	
Drill Pipe	BBLS/LIN. FT		LIN. FT/BBL	
Annulus	BBLS/LIN. FT	0.0406	LIN. FT/BBL	
	BBLS/LIN. FT	0.044	LIN. FT/BBL	

Perforations From ft to ft Amt

CEMENT DATA

Spacer Type 10 BBLS H20
Amt. Sks Yield ft³/sk Density 8.34 PPG

LEAD: Time hrs. Type 60/40/45GEL
Excess 225%
Amt. 200 Sks Yield 1.5 ft³/sk Density 13.5 PPG
TAIL: Time hrs. Type
Excess 225%
Amt. Sks Yield ft³/sk Density PPG
WATER Lead 7.5 Gal/sk Tail Gal/sk Total BBLS

Pump Trucks Used: 531-541
Bulk Equipment 869-841

Float Equipment: Manufacturer
Shoe: Type Depth
Float: Type Depth
Centralizers: Quantity Plugs Top Bottom
Stage Collars
Special Equipment
Disp: Fluid Type H20 Amt bbls Weight PPG
Mud Type Weight

COMPANY REPRESENTATIVE CEMENTER Ruben Chavez

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLS/MIN	
9:30						Got To Location Spot Truks, And Rig Up.
11:50						Have A Pre-job Safety Meeting
12:00	250 psi		2	2	2	pu mp 2bb s h20 to fill up pumping lines
12:02						Pressure test to 1000 PSI
12:04	250psi		10	8	3	start pumping 8 BBLS H20 AHEAD
12:08	250 psi		23.3	13.3	4	start pumping 50 sk at 1810 ft.
12:13			45.7	22.4	4	Displace with 2.5 bbl h20 and 19.5 bbls mud pumped with rig.
1:20	1800		56.3	10.6	4	Pump 40 sk. At 900 ft. 10.6 bbls slurry
1:24	0		66.5	10.2	4	Displace with 10.2 bbls h20
2:10	80		77.1	10.6	4	Pump 40 sk at 450 ft. 10.6 bbls slurry
2:14	0		80.9	3.8	4	Displace with 3.8 bbls h20
3:10	0		86.2	5.3	4	Pump 20 sk at 60 ft. 5.3 bbls slurry
4:15			94.2	8	4	Pump 30 sk atmouse hole
4:20			99.5	5.3	4	Pump 20 sk at rat hole
						Wash pump
						Rig down
						Job finished
						Thankyou

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