ALLIED OIL & GAS SERVICES, LLC

CEMENTING LOG

STAGE NO.

Date 11-26-14 District Oakley KS Ticket No. 64827
Company Berexco llc Rig Berexco 2
Lease Owens Well No. 1-19
County Cheyenne State KS
Location 19-1-38 Field

CASING DATA: Conductor ☐ PTA ☐ Squeeze ☐ Misc ☐
Surface ☒ Intermediate ☐ Production ☐ Liner ☐
Size 8 5/8 Type New Weight Collar

Casing Depths: Top KB Bottom 308

Drill Pipe: Size Weight Collars
Open Hole: Size 12 1/4 T.D. 310 ft. P.B. to ft.

CAPACITY FACTORS:
Casing: Bbls/Lin. ft. .0637 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.

CEMENT DATA:
Spacer Type:
Amt. Sks Yield ft³/sk Density PPG

LEAD: Pump Time hrs. Type
Excess
Amt. Sks Yield ft³/sk Density PPG
TAIL: Pump Time hrs. Type Com 37.CC
2% gel Excess
Amt. 225 Sks Yield 1.36 ft³/sk Density 15.02 PPG
WATER: Lead 16.5 gals/sk Tail gals/sk Total 34.82 Bbls.

Pump Trucks Used 120 - Tyler / Joan 3
Bulk Equip. 566/595 - Anthony / Shawn T

Float Equip: Manufacturer
Shoe: Type Depth
Float: Type Depth
Centralizers: Quantity Plugs Top Btm.
Stage Collars
Special Equip.
Disp. Fluid Type water Amt 18.5 Bbls. Weight PPG
Mud Type 100 vis Weight PPG

COMPANY REPRESENTATIVE CEMENTER Paul Beaver

TIME (AM/PM)	PRESSURES PSI: DRILL PIPE CASING	PRESSURES PSI: ANNULUS	FLUID PUMPED DATA: TOTAL FLUID	FLUID PUMPED DATA: Pumped Per Time Period	FLUID PUMPED DATA: RATE Bbls Min.	REMARKS
						Hold Safety meeting
2:30						start cement
	400		34.82	34.82	7	mix 225 sks @ 15#
						stop cement
	0		10.0	44.82	4	wash-up pump & lines
	300		8.5	53.32	6	Displace w/ water
3:00						shut-in swedge
						cement did circ
						Hold Safety meeting
						Thank you!

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

MILLER PRINTERS INC., Great Bend, KS