ALLIED
CEMENTING CO., LLC
Cementing & Acidizing Services

CEMENTING LOG

STAGE NO.

Date 7/3/12 District Oakley Ticket No. 056753
Company Mid Con Energy Rig Integrity 29
Lease Hamm Well No. 9-12
County Cheyenne State Colo
Location Field

CASING DATA: Conductor ☐ PTA ☐ Squeeze ☐ Misc ☐
Surface ☒ Intermediate ☐ Production ☐ Liner ☐
Size 8 5/8 Type New Weight 21 Collar

Casing Depths: Top KB Bottom 297

Drill Pipe: Size 4 1/2 Weight Collars
Open Hole: Size T.D. 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 Cm 300 cc 20 regal
Excess
Amt. 200 Sks Yield 1.34 ft³/sk Density 15.4 PPG
TAIL: Pump Time hrs. Type
Excess
Amt. Sks Yield ft³/sk Density PPG
WATER: Lead 6.5 gals/sk Tail gals/sk Total Bbls.

Pump Trucks Used 422
Bulk Equip. 404

Float Equip: Manufacturer
Shoe: Type Depth
Float: Type Depth
Centralizers: Quantity 3 Plugs Top Btm.
Stage Collars
Special Equip.
Disp. Fluid Type Amt. Bbls. Weight PPG
Mud Type Weight PPG

COMPANY REPRESENTATIVE [signature] CEMENTER [signature]

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						On location Safety mtg Setup Truck
						Run Csg
						Circulate w/Rig
				30.9	4.0	Mix Cement
				17.96	5.0	Displace Cement
						Shut In
6:00 AM						Job Complete
						Cement did Circulate
						Thank
						[signature]

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

MILLER PRINTERS, INC. - Great Bend, KS