ALLIED OIL & GAS SERVICES, LLC

CEMENTING LOG

STAGE NO.

Date 10/22/13 District Oakley KS Ticket No. 061209
Company Berexco LLC Rig Berexco 2
Lease Michael Well No. 5-22
County Rawlins State KS
Location 22-1-36 Field

CASING DATA: Conductor ☐ PTA ☐ Squeeze ☐ Misc ☐
Surface ☒ Intermediate ☐ Production ☐ Liner ☐
Size 8 5/8 Type New Weight 24# Collar

Casing Depths: Top KB Bottom 310'

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 3% CC
2% gel Excess
Amt. 225 Sks Yield 1.34 ft³/sk Density 15.02 PPG
WATER: Lead gals/sk Tail gals/sk Total Bbls.

Pump Trucks Used 120 - Tyler
Bulk Equip. 566 - Brandon

Float Equip: Manufacturer
Shoe: Type Depth
Float: Type Depth
Centralizers: Quantity Plugs Top Btm.
Stage Collars
Special Equip.
Disp. Fluid Type Water Amt. 18.79 Bbls. Weight PPG
Mud Type Weight PPG

COMPANY REPRESENTATIVE CEMENTER Paul Beaver

TIME AM PM	PRESSURES PSI DRILL PIPE CASING	ANNULUS	FLUID PUMPED DATA TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	REMARKS
						Hold Safety meeting.
8:45						Start cement
			34.82bbl	34.82bbl		mix 225 sks Com 3% cc 2% gel
						weigh cement @ 15.02#
						Stop cement
			6.0bbl	40.82bbl		~~start~~ wash-up pump + lines
			17.79bbl	53.61bbl		Displace with water
9:15						Cement did circulate
						Hold Safety meeting
						Thank You!

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

ALLIED PRINTERS INC. - Great Bend, KS