

Date 8/12/14 District Andover KS Ticket No. 63032
 Company Chesapeake Rig Alliance
 Lease Log Well No. 1-4
 County Comanche State KS
 Location Vic Buttermilk KS Field 4-352-16a

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

Casing Depths: Top _____ Bottom 1037
2 3/8 - 1087

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 3/8 T.D. _____ ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. _____ 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. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Spacer Type: Gel
 Amt. 10 Sks Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type 60:40:4%Gel
 Excess _____
 Amt. _____ Sks Yield 1.4 ft³/sk Density 14.1 PPG

TAIL: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

WATER: Lead 6.7 gals/sk Tail _____ gals/sk Total _____ Bbls.
 Pump Trucks Used 892/533
 Bulk Equip. 364

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

COMPANY REPRESENTATIVE _____ CEMENTER Jason Thinesel

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
1230 PM						On loc, safety meeting, spot in, safety meeting, rig up
115 PA	1500		1/4 BBL		4	safety meeting presented
117 PA	200		20 BBL		4	Mix Pump Gel tubing int @ 1087
123 PA	200		12 1/2 BBL		4	Mix Pump Cement Slurry 50 sk
128 PM	200		3 1/2 BBL		4	Displace
130 PM	100		3 BBL		3 1/2	Pull tubing to 256 ft load hole w/ H ₂ O
200 PA	100		10 BBL		3 1/2	Mix Pump 40 sk cement slurry
205 PA	100		4 BBL		3	Disp
210 PM						pull tubing to 60 ft
220	50		5 BBL		3	Load hole w/ H ₂ O Mix Pump 20 sk cement slurry
						1st Plug 20 ft coverage from 886 to 1087
						2nd Plug 16 ft coverage from 95 ft to 256
						circ 60 ft to surface

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

ALLIED OIL & GAS SERVICES, LLC 063032

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Madison Lodge, KS

DATE <i>8/12/14</i>	SEC. <i>4</i>	TWP. <i>35S</i>	RANGE <i>14W</i>	CALLED OUT	ON LOCATION <i>12:30 PM</i>	JOB START <i>1:00 PM</i>	JOB FINISH <i>2:30 PM</i>
LEASE <i>Lee</i>	WELL # <i>1-4</i>	LOCATION <i>Ma Road airport, approx 4 mi West, North</i>				COUNTY <i>Comanche</i>	STATE <i>KS</i>
OLD OR NEW (Circle one)							

CONTRACTOR *Alliance W/S* OWNER *Chesapeake Energy*

TYPE OF JOB _____
HOLE SIZE *7 7/8* T.D. _____
CASING SIZE *8 1/2* DEPTH *1087*
TUBING SIZE *2 3/8* DEPTH *1087*
DRILL PIPE _____ DEPTH _____
TOOL _____ DEPTH _____
PRES. MAX _____ MINIMUM _____
MEAS. LINE _____ SHOE JOINT _____
CEMENT LEFT IN CSG. _____
PERFS. _____
DISPLACEMENT *Fresh H₂O*

EQUIPMENT
PUMP TRUCK CEMENTER *Jason Thinesch*
892/555 HELPER *TJ Gibert*
BULK TRUCK _____
369 DRIVER *J. K. Harsh*
BULK TRUCK _____
_____ DRIVER _____

REMARKS:

CHARGE TO: *Chesapeake Energy*
STREET _____
CITY _____ STATE _____ ZIP _____

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____
SIGNATURE *[Signature]*

CEMENT
AMOUNT ORDERED *110 SY 10:40:49.65*
COMMON _____ @ _____
POZMIX _____ @ _____
GEL _____ @ _____
CHLORIDE _____ @ _____
ASC _____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
HANDLING _____ @ _____
MILEAGE _____ @ _____

TOTAL _____
SERVICE
DEPTH OF JOB _____
PUMP TRUCK CHARGE _____
EXTRA FOOTAGE _____ @ _____
MILEAGE _____ @ _____
MANIFOLD _____ @ _____
_____ @ _____
_____ @ _____

TOTAL _____
PLUG & FLOAT EQUIPMENT
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
TOTAL *4196*

SALES TAX (If Any) _____
TOTAL CHARGES _____
DISCOUNT _____ IF PAID IN 30 DAYS