



CEMENTING LOG

Date 8/14/2014 District Liberal # 21 Ticket No. 52597
 Company CHESAPEAKE Rig _____
 Lease BRYANT Well No 4-8
 County SEWARD State KS

CEMENT DATA
 Spacer Type 22 BBL GEL SPACER
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

Location _____
 Field _____
 Casing Data Conductor PTA Squeeze Misc.
 Surface Intermediate Production Liner
 Size 5 1/2 Type _____ Weight 15.5 Collar _____

LEAD: Time _____ hrs. Type 60/40 CLASS A
2%GEL Excess _____
 Amt. 110 Sks Yield 1.5 ft³/sk Density 13.5 PPG
 TAIL: Time _____ hrs. Type _____ Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
 WATER Lead 7.5 Gal/sk Tail _____ Gal/sk Total _____ BBLs

Casing Depths Top _____ Bottom _____

Pump Trucks Used: 903-501
 Bulk Equipment 993-467

Drill Pipe: BBLs/LIN. FT 0.0039 LIN. FT/BBL _____
 Open Hole: BBLs/LIN. FT _____ LIN. FT/BBL _____
 Capacity Factors: BBLs/LIN. FT _____ LIN. FT/BBL _____
 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 _____

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

COMPANY REPRESENTATIVE _____ CEMENTER ALDO ESPINOZA

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	
1130AM						ARRIVE TO LOCATION
1200PM						RIG UP
1215PM						SAFETY MEETING
1235PM				10		CIRCULATE W/WATER 10 BBL
1245PM						PUMP 22 BBL OF GEL SPACER
100PM						1ST PLUG @ 1560 PUMP 10.7 BBL OF SLURRY CEMENT
						DISPLACE 4.5 BBL W/WATER
148PM						2ND PLUG @ 550FT PUMP 10.7 BBL OF SLURRY
						DISPLACE 2 BBL W/WATER
213PM						3RD PLUG FROM 60 FT TO SURFACE
						PUMP 8 BBL OF SLURRY CEMENT
245PM						WASH UP PUMPING LINES
300PM						RIG DOWN
345PM						LEAVE LOCATION

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

ALLIED OIL & GAS SERVICES, LLC 052597

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Liberal (21)

DATE <u>8-14-14</u>	SEC. <u>R</u>	TWP. <u>33S</u>	RANGE <u>33W</u>	CALLED OUT	ON LOCATION	JOB START <u>2:00 pm</u>	JOB FINISH <u>3:00 pm</u>
LEASE <u>Exort B</u>	WELL # <u>4-8</u>	LOCATION <u>Liberal KS, 11 mile North</u>			COUNTY <u>Seward</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)		<u>on 83 1/2 west</u>					

CONTRACTOR Exort
 TYPE OF JOB P.T.A.
 HOLE SIZE 7 7/8 T.D.
 CASING SIZE 5 1/2 DEPTH
 TUBING SIZE 2 1/2 DEPTH 1560'
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT

EQUIPMENT
 PUMP TRUCK CEMENTER Alto Espinoza
 # 903-501 HELPER Cesar Pavia
 BULK TRUCK
 # 999-467 DRIVER Alfonso Ayala
 BULK TRUCK
 # DRIVER

REMARKS:

CHARGE TO: Chesapeake
 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 Steve Emick
 SIGNATURE [Signature]

OWNER AFC # 803202

CEMENT
 AMOUNT ORDERED 110 SK 60/40 Class A
2% gel

COMMON	@		
POZMIX	@		
GEL <u>Bentonite 129016</u>	@	<u>1.05</u>	<u>1,354.50</u>
CHLORIDE	@		
ASC	@		
<u>Allied 60/40 2-class 110</u>	@	<u>18.43</u>	<u>2,027.30</u>
	@		
	@		
	@		
	@		
	@		
	@		
	@		
HANDLING	@		
MILEAGE	@		
		TOTAL	<u>3,381.80</u>

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>2,249.24</u>
EXTRA FOOTAGE <u>20 mi</u>	@	<u>4.40</u>	<u>88.00</u>
MILEAGE <u>Vehicle 40 mi</u>	@	<u>7.70</u>	<u>154.00</u>
MANIFOLD	@		
<u>Handling 286.31-ft³</u>	@	<u>2.48</u>	<u>566.24</u>
<u>Digging 109.20 T-m</u>	@	<u>2.75</u>	<u>300.30</u>
		TOTAL	<u>3,353.38</u>

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
		TOTAL	<u>[Signature]</u>

SALES TAX (If Any) _____
 TOTAL CHARGES 6,735.18
 DISCOUNT _____ IF PAID IN 30 DAYS
NET 6,061.67