

Date 9.18.14 District Russell Ticket No. 55495
 Company American Patriot Rig American Eagle
 Lease APD HOLDRY Well No. 14
 County Roxie State KS
 Location Zuni Field _____

CEMENT DATA:
 Spacer Type: _____
 Amt. 170 Sks Yield 1.27 ft³/sk Density _____ PPG
+ 2 gal + 3 cc

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 8 7/8 Type CS Weight #20 Collar _____
8 7/8 cas. in @ 257.03 in 12 1/4
Hole.
 Casing Depths: Top 0' Bottom 257.03
SJ-15'

LEAD: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
 TAIL: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
 WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.
 Pump Trucks Used #417 - Denny S
 Bulk Equip. #481 - Tyler W.

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.
 CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. _____ Lin. ft./Bbl. .065
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. 13.9037
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

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 Long Planning

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
<u>4:00 pm</u>						<u>on location - Safety meeting</u> <u>set up Trucks for moving</u>
<u>12:00</u>						<u>Ran 6 hrs. 8 7/8 CS. in 12 1/4</u> <u>Hole in @ 257.03'</u>
<u>1:00</u>				<u>6</u>	<u>6</u>	<u>Broke circuit with Rig. 1/2 hr.</u>
<u>1:30</u>				<u>22</u>	<u>3</u>	<u>Mixed 170SK con + 2 gal + 3 cc</u> <u>@ 22" mix.</u>
<u>2:10</u>				<u>15.73</u>	<u>3</u>	<u>Displaced cement @ 15.73' H2O</u> <u>cement to surface!</u>
<u>2:45</u>				<u>#305</u>	<u>0</u>	<u>Shot 8 7/8 in @ 4300 psi:</u> <u>cement to surface.</u>
<u>3:30</u>						<u>- Job Complete -</u>
<u>4:00 pm</u>				<u>8</u>	<u>3</u>	<u>Washed Truck</u>

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

ALLIED OIL & GAS SERVICES, LLC 055499

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Russell

Corrected

DATE <u>9.25.14</u>	SEC. <u>10</u>	TWP <u>5</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>1030</u>	JOB FINISH <u>1130</u>
LEASE <u>Lowry</u>	WELL # <u>14</u>	LOCATION <u>Zurich</u>	<u>Ks</u>	COUNTY <u>Frank</u>	STATE <u>Ks</u>		
OLD OR NEW (Circle one) <u>NEW</u>		<u>9 n 96 P of 1/4 W 1/2</u>					

CONTRACTOR <u>American Eagle</u>	OWNER
TYPE OF JOB <u>DTA</u>	
HOLE SIZE <u>7 7/8</u>	T.D.
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2</u>	DEPTH <u>3490'</u>
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT <u>0</u>	

EQUIPMENT			
PUMP TRUCK # <u>417</u>	CEMENTER <u>Tony Pfann</u>	CEMENT AMOUNT ORDERED <u>290 sk</u>	
	HELPER <u>Darryl S.</u>		
BULK TRUCK # <u>482</u>	DRIVER <u>Ogden W.</u>		
BULK TRUCK #	DRIVER		
		COMMON <u>290 sk</u> @ <u>18.43</u> \$ <u>5,344.70</u>	
		POZMIX @	
		GEL <u>997 lb</u> @ <u>.50</u> \$ <u>498.50</u>	
		CHLORIDE @	
		ASC @	
		<u>Material</u> @ <u>5843.20</u>	
		<u>Lease</u> @ <u>1460.80</u>	
		HANDLING <u>290 sk</u> @ <u>2.45</u> \$ <u>719.20</u>	
		MILEAGE <u>477</u> @ <u>2.75</u> \$ <u>1,311.75</u>	
		TOTAL	

REMARKS:

P1 = 3490' @ 50% P2 = 1465' @ 50%
P3 = 875' @ 100% P4 = 300' @ 50%
See Cement Job log
P5 = 40' @ 100% - P6 = RBT00E-30%
1x 8 5/8 Wooden Plug

SERVICE

DEPTH OF JOB	<u>3490'</u>
PUMP TRUCK CHARGE	<u>\$2600.40</u>
EXTRA FOOTAGE	@
MILEAGE <u>477</u>	@ <u>2.75</u> \$ <u>1311.75</u>
MANIFOLD <u>35</u>	@ <u>4.4</u> \$ <u>154.00</u>
	@
	@

CHARGE TO: American Patriot
 STREET _____
 CITY _____ STATE _____ ZIP _____

Lease 1331.10 TOTAL 5324.40
~~1131.10~~

PLUG & FLOAT EQUIPMENT

<u>1x 8 5/8 Wooden Plug</u>	@	<u>110.00</u>
	@	
	@	
	@	
	@	
<u>Lease 27.50</u>		
		TOTAL \$ <u>110.00</u>

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.

SALES TAX (If Any) _____
 TOTAL CHARGES \$ 11,277.62
 DISCOUNT \$ 2,819.40 (25%) IF PAID IN 30 DAYS
Net 8458.22

PRINTED NAME Clayton Herrick
 SIGNATURE [Signature]