



# CEMENTING LOG

STAGE NO. \_\_\_\_\_

Date 1-20-14 District Great Bend Ticket No. 62693  
 Company American Lardner Rig PT 2000K  
 Lease DIT Well No. 1  
 County NASH State KS  
 Location Box 2 Basin 20 N Field \_\_\_\_\_

CEMENT DATA:  
 Spacer Type: Free water  
 Amt. 5.61 Skis Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

CASING DATA: Conductor  PTA  Squeeze  Misc   
 Surface  Intermediate  Production  Liner   
 Size 8 7/8 Type new Weight 23 lb Collar SR4

LEAD: Pump Time Thickens time hrs. Type Class A 3500  
2.598 Excess \_\_\_\_\_  
 Amt. 1.0 Skis Yield 1.34 ft<sup>3</sup>/sk Density 15.12 PPG

Casing Depths: Top \_\_\_\_\_ Bottom 722.07

TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_  
 Amt. \_\_\_\_\_ Skis Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
 WATER: Lead \_\_\_\_\_ gals/sk Tail \_\_\_\_\_ gals/sk Total \_\_\_\_\_ Bbls

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size \_\_\_\_\_ T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

Pump Trucks Used 398 Ben Steel  
 Bulk Equip. 604 200 LB

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. .6631 Lin. ft./Bbl. 15.70  
 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 Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Float: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. \_\_\_\_\_  
 Disp. Fluid Type Free water Amt. \_\_\_\_\_ Bbls. Weight \_\_\_\_\_ PPG  
 Mud Type None Weight \_\_\_\_\_ PPG

COMPANY REPRESENTATIVE \_\_\_\_\_

CEMENTER Josh 15641

| TIME     | PRESSURES PSI |                   | FLUID PUMPED DATA |             |                        | REMARKS                        |
|----------|---------------|-------------------|-------------------|-------------|------------------------|--------------------------------|
|          | AM/PM         | DRILL PIPE CASING | ANNULUS           | TOTAL FLUID | Pumped Per Time Period |                                |
|          |               |                   |                   |             |                        | cut casing - dig up            |
|          |               |                   |                   |             |                        | used casing excess             |
|          |               |                   |                   |             |                        | run 8 7/8 casing               |
|          |               |                   |                   |             |                        | break injection w/dig mud      |
|          |               |                   |                   |             |                        | run 5 1/2 fresh water ground   |
|          |               |                   | 13.18             | 58.18       |                        | mix 10 sks class A 3500 20 gal |
|          |               |                   | 5.39              | 13.19       | 3                      | displace 13.19, 401 test water |
| 12:40 AM |               |                   |                   |             |                        | slut in                        |
|          |               |                   |                   |             |                        | cement did circulation         |
|          |               |                   |                   |             |                        | dig down                       |

# ALLIED OIL & GAS SERVICES, LLC 062653

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Great Bend

|                                    |                 |                                      |                           |            |                   |                           |                        |
|------------------------------------|-----------------|--------------------------------------|---------------------------|------------|-------------------|---------------------------|------------------------|
| DATE <u>1-20-14</u>                | SEC <u>16</u>   | TWP <u>18</u>                        | RANGE <u>21</u>           | CALLED OUT | ON LOCATION       | JOB START <u>12:30 AM</u> | JOB FINISH <u>1 AM</u> |
| LEASE <u>DHT</u>                   | WELL # <u>1</u> | LOCATION <u>East Buzine to F Fed</u> |                           |            | COUNTY <u>NCS</u> | STATE <u>TX</u>           |                        |
| OLD OR NEW (Circle one) <u>NEW</u> |                 |                                      | <u>2 1/2" x 11" Winto</u> |            |                   |                           |                        |

CONTRACTOR Petroleum  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4" T.D.  
 CASING SIZE 8 5/8" DEPTH 222.07  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE 4 1/2" DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. 15 FT  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 13.19 bbl freshwater

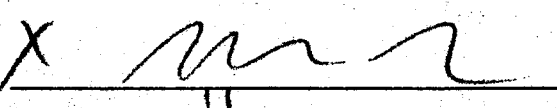
OWNER \_\_\_\_\_  
 CEMENT AMOUNT ORDERED 16 SKS class A 3% CL 285 gal  
 COMMON \_\_\_\_\_ @ \_\_\_\_\_  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL \_\_\_\_\_ @ \_\_\_\_\_  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 ASC \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
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 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

EQUIPMENT  
 PUMP TRUCK CEMENTER Josh Trace  
 # 398 HELPER Ben Nevel  
 BULK TRUCK # 609-239 DRIVER CS  
 BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:  
On location - Rig up - had safety meeting  
Run 8 5/8 casing - Break circulation - drilled  
ump 5 bbl freshwater  
mix 160 SKS class A 3% CL 285 gal  
displace 13.19 bbl freshwater  
Start in 12:40 AM  
Cement did circulate  
Rig down

CHARGE TO: American Warrior  
 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 X Sh. L. R. Co.  
 SIGNATURE X   
Thank you!!

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

PLUG & FLOAT EQUIPMENT  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

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

