

Date 6-14-14 District Mollodge KS Ticket No. 62829  
 Company Quail Oil & Gas Rig Duke 6  
 Lease Leon Well No. 1-23  
 County Comanche State KS  
 Location Vic Protection KS Field \_\_\_\_\_

CASING DATA: Conductor  PTA  Squeeze  Misc   
 Surface  Intermediate  Production  Liner   
 Size 8 5/8 Type \_\_\_\_\_ Weight 24 Collar \_\_\_\_\_

Casing Depths: Top \_\_\_\_\_ Bottom 641

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 12 1/4 T.D. 641 ft. P.B. to \_\_\_\_\_ ft.

**CAPACITY FACTORS:**

Casing: Bbbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Open Holes: Bbbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Bbbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

**CEMENT DATA:**

Spacer Type: \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

LEAD: Pump Time \_\_\_\_\_ hrs. Type 65:35:626d+  
3%cc + 1/2# Floreal Excess \_\_\_\_\_

Amt. 250 Sks Yield 1.99 ft<sup>3</sup>/sk Density 12.5 PPG

TAIL: Pump Time \_\_\_\_\_ hrs. Type Class A + 3%cc  
 Excess \_\_\_\_\_

Amt. 100 Sks Yield 1.33 ft<sup>3</sup>/sk Density 14.8 PPG

WATER: Lead 10.9 gals/sk Tail 6.3 gals/sk Total \_\_\_\_\_ Bbbls.

Pump Trucks Used 471/265

Bulk Equip. 421/290

Float Equip: Manufacturer \_\_\_\_\_

Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_

Float: Type \_\_\_\_\_ Depth \_\_\_\_\_

Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_

Stage Collars \_\_\_\_\_

Special Equip. \_\_\_\_\_

Disp. Fluid Type \_\_\_\_\_ Amt. \_\_\_\_\_ Bbbls. Weight \_\_\_\_\_ PPG

Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

COMPANY REPRESENTATIVE Dacon

CEMENTER Jason Thiersel

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
600PM						On loc. Spot in Rig up safety man...
853 PM	1500			1/4 BBL	1/4	Run casing
855 PM				88 1/2 BBL		Size ball thru w/ 1 1/2"
				24 BBL		Press test
						Mix + Pump LD cement slurry
						Mix + Pump TL cement slurry
930 PM	100				3 1/2	Release plug
	250			30 BBL	2 1/2	Start Displacement
1000 PM	800			38 1/2 BBL	0	Slow to Bump
						Bump Plug
						Release
						Float did hold
						Cement did circulate

FINAL DISP. PRESS: 250 PSI BUMP PLUG TO 800 PSI BLEEDBACK 1/2 BBLs. THANK YOU

# ALLIED OIL & GAS SERVICES, LLC 062829

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
Medicine Lodge KS

DATE <u>6-14-14</u>	SEC. <u>23</u>	TWP. <u>32</u>	RANGE <u>21</u>	CALLED OUT <u>2:30 PM</u>	ON LOCATION <u>5:30 PM</u>	JOB START <u>8:50 PM</u>	JOB FINISH <u>12:00 PM</u>
LEASE <u>Leon</u>		WELL # <u>1-23</u>		LOCATION <u>Protection KS, Sweet to Rd 30,</u>		COUNTY <u>Comanche</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>			<u>4 North, East into</u>				

CONTRACTOR Duke #6  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D. 641  
 CASING SIZE 8 3/8 24# DEPTH 641  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX 800 MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 42  
 CEMENT LEFT IN CSG. 42  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 38 1/2 BBLs Fresh H<sub>2</sub>O

OWNER Quail Oil & Gas  
 CEMENT  
 AMOUNT ORDERED 250 x 65:35:6% Gel + 3% cc + 4# Fluor, 100 sx Class 1 + 3% cc

COMMON \_\_\_\_\_ @ \_\_\_\_\_  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL \_\_\_\_\_ @ \_\_\_\_\_  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 ASC \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

**EQUIPMENT**

PUMP TRUCK CEMENTER Jason Thimisch  
 # 471/265 HELPER Robert Johnson  
 BULK TRUCK  
 # 421/290 DRIVER James Bowen  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

Did circ cement to Surface

**SERVICE**

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

CHARGE TO: Quail Oil & Gas  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

\_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_

To: Allied Oil & Gas Services, LLC.  
 You are hereby requested to rent cementing equipment  
 and furnish cementer and helper(s) to assist owner or