

Date 10.3.14 District Russell Ticket No. 55512
 Company Venoco Operations Rig Southwind Drilling
 Lease Santof Well No. #3
 County Barton State KC
 Location Hwy 2518 R4 Jul Field _____
1 e 760 1/2 W 1010

CEMENT DATA:
 Spacer Type: _____
 Amt. 175 Skys Yield 136 ft³/sk Density _____ PPG

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 5 1/2 Type CS Weight 115.5 Collar _____
Ran 84 Jk 5 1/2 15.5 @ 3460
7 1/2 hole in @ 3460

LEAD: Pump Time 45m. hrs. Type _____
 Excess _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

Casing Depths: Top 0' Bottom 3460'
5J-16.48'
900 Float Equipment

TAIL: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Skys Yield _____ ft³/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 #417 - Denny S
#410 - Tyler W

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. _____ Lin. ft./Bbl. 4.338
 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 Washburn
 Shoe: Type Float Depth 3460
 Float: Type _____ Depth _____
 Centralizers: Quantity 6 Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. BASKET
 Disp. Fluid Type H2O Amt. 81.95 Bbls. Weight 834 PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE _____

CEMENTER Tony Plummer

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
1:50						On location - Safety meeting set up truck. For mixing
1:13						Ran 84 Jk 5 1/2 15.5 @ 3460. 7 1/2 Hole @ 3460.
12:30						Run Float Equipment. 1x float shoe 1x latch Assy, 6x centralizer, 1x DP.
1:15		220			6	Bore circulation with rig - Dropped Ball - Circulated 1 HR.
3:00			12		3	mixed 12 mud / 1 kg @ 5 gal -
3:15			4		3	mixed 30 sk - RATTLE @ 4.1 min
			2.00		3	mixed 20 sk - MUSEHOLE @ 2.64 min
3:45			20		3	mixed 150 sk ASCA Blend + 5 gal per sk @ 20 min.
4:15			81.95		4	Released 5 1/2 Latch Down Plug @ 81.95 #1100 psi.
			#1500 psi			Load 5 1/2 @ #1100 psi cement
4:30			#1500 psi			Released back to rig / SH + low
						Job Complete @ 1500 psi
5:00			5		3	Washed Truck

ALLIED OIL & GAS SERVICES, LLC 055512

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Russell, KS

DATE <u>12/3/14</u>	SEC. <u>23</u>	TWP. <u>11</u>	RANGE <u>14</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Southern</u>	WELL # <u>3</u>	LOCATION <u>Hwy 291 & K4 Jct</u>		COUNTY <u>Shawnee</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one)							

CONTRACTOR Southern Drilling
 TYPE OF JOB _____
 HOLE SIZE 7 7/8 T.D. _____
 CASING SIZE 5 1/2 DEPTH 3460
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 14.48'
 CEMENT LEFT IN CSG. 16.40'
 PERFS. _____
 DISPLACEMENT 71.95 @ 420'

EQUIPMENT

PUMP TRUCK # <u>417</u>	CEMENTER <u>Doug Phoenix</u>
BULK TRUCK # <u>410</u>	HELPER <u>Danny Sinner</u>
BULK TRUCK # _____	DRIVER <u>Tyler 2nd</u>
BULK TRUCK # _____	DRIVER _____

REMARKS: _____

See Cementer Job Log

CHARGE TO: Vanco Operations
 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]

OWNER _____
 CEMENT AMOUNT ORDERED 175sk
ASC 1 3000 lb 5 gal per m

COMMON <u>175sk</u>	@ <u>23.50</u>	\$ <u>4112.50</u>
POZMIX _____	@ _____	_____
GEL _____	@ _____	_____
CHLORIDE _____	@ _____	_____
ASC _____	@ _____	_____
C-37 @ 42lb	@ <u>11.00</u>	\$ <u>462.00</u>
1 C-150 @ 878lb	@ <u>1.98</u>	\$ <u>316.44</u>
C-44 @ 42lb	@ <u>23.50</u>	\$ <u>977.00</u>
1000 Flake @ 42lb	@ <u>2.97</u>	\$ <u>124.71</u>
500 gal methyl fluid	@ _____	\$ <u>470.00</u>
HANDLING <u>175sk</u>	@ <u>2.48</u>	\$ <u>434.00</u>
MILEAGE <u>165</u>	@ <u>7.00</u>	\$ <u>1155.00</u>

TOTAL \$ 7439.45

SERVICE

DEPTH OF JOB <u>3460</u>	
PUMP TRUCK CHARGE	\$ <u>2765.75</u>
EXTRA FOOTAGE _____	@ _____
MILEAGE <u>Heavy 40m</u>	@ <u>7.7</u> \$ <u>308.00</u>
MANIFOLD <u>Light 32m</u>	@ <u>4.4</u> \$ <u>88.00</u>
1x Casing Swivel	@ _____ \$ <u>200.00</u>
1x Plug Container	@ <u>275.00</u> \$ <u>275.00</u>

TOTAL \$ 3636.75

PLUG & FLOAT EQUIPMENT

1x 5 1/2 Auto Float Shoe	@ _____	\$ <u>545.00</u>
1x 5 1/2 Auto Core Plug	@ _____	\$ <u>660.00</u>
6x 5 1/2 Control Valve	@ <u>57.00</u>	\$ <u>342.00</u>
1x 5 1/2 BACKL	@ _____	\$ <u>375.00</u>

TOTAL \$ 1942.00

SALES TAX (If Any) _____
 TOTAL CHARGES \$ 13,502.18
 DISCOUNT \$ 3,375.00 IF PAID IN 30 DAYS