



### CEMENTING LOG

<b>Company</b> Black Gold Kansas George, LLC	<b>Lease</b> 0	<b>Well Name/No.</b> George # 8
<b>Type Job</b> Longstring	<b>Type &amp; Amt Material</b> Class A 2% gel 3% Cc	
<b>Field</b> 0	<b>Ticket Number</b> 50159	

<b>CASING DATA</b>			
Size	2.875	Type	Weight 6.4 Collar
Casing Depths:	Top	0 Bottom	652
Drill Pipe:	Size	Weight	Collars
Open Hole:	Size 5.875	T.D. (ft) 658	P.B. to (ft)

<b>CAPACITY FACTORS</b>			
Casing	Bbls/Lin. ft.	0.00579	Lin. ft./Bbl
Open Holes	Bbls/Lin. ft.		Lin. ft./Bbl
Drill Pipes	Bbls/Lin. ft.		Lin. ft./Bbl
Annulus	Bbls/Lin. ft.	0.0255	Lin. ft./Bbl
	Bbls/Lin. ft.		Lin. ft./Bbl
Perforations	From (ft)	To	Amount

<b>CEMENT DATA</b>			
Spacer Type	Mudflush		
Amt. 5 BBL	Sks Yield	ft <sup>3</sup> /sk Density (PPG)	

<b>LEAD</b>			
Pump Time (hrs)	Type	Excess	
Amt.	Sks Yield	ft <sup>3</sup> /sk Density (PPG)	

<b>TAIL</b>			
Pump Time (hrs)	Type A 2% Gel 3% C.C	Excess	25%
Amt. 83	Sks Yield	1.41 ft <sup>3</sup> /sk Density (PPG)	14.8

<b>WATER</b>			
Lead	gals/sk	Tail	6.85 gals/sk Total (Bbls.) 13.53
Pump Trucks Used			230
Bulk Equipment			241
Float Equipment: Manufacturer			
Shoe: Type		Depth	
Float: Type		Depth	
Centralizers: Quantity		Plugs: Top	Bottom
Stage Collars			
Special Equipment			
Disp. Fluid Type	Freshwater	Amt. (Bbls.)	4 Weight (PPG)
Mud Type			Weight (PPG)

**COMPANY REPRESENTATIVE** Chris McGown      **CEMENTER** Jake Heard

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED/ TIME PERIOD	RATE (BBLs MIN.)	
						On location safety meeting
						Spot in and rig up
						Hook up to tubing
11:00 AM	100		5		4	Break circulation
	100		5		4	Pump Mudflush
	100		4		4	Pump water
	100		5		4	Pump dyed water
	180		20.84		4	Mix and pump cement
						Stop
						Wash pump and lines
						Drop plug
	200		4		3	Displace
11:35 AM	1250		4		3	Bump plug
	0					Release pressure
						Shut in well
						Rig down and leave location
						Thanks---- Jake, Kevin and Ron