

**TREATMENT REPORT**



**HURRICANE SERVICES INC**

<b>Customer:</b> Murfin Drilling Co.Inc.	<b>Date:</b> 11/6/2017	<b>Ticket No.:</b> 100829
<b>Field Rep:</b> Arturo		
<b>Address:</b>		
<b>City, State:</b>		
<b>County, Zip:</b>		

<b>Field Order No.:</b> 100829	<b>Open Hole:</b>	<b>Perf Depths (ft)</b>	<b>Perfs</b>
<b>Well Name:</b> Culwell G 1-20	<b>Casing Depth:</b> 348'.67		
<b>Location:</b> McDonald	<b>Casing Size:</b> 8 5/8 23 LB		
<b>Formation:</b>	<b>Tubing Depth:</b>		
<b>Type of Service:</b> Surface	<b>Tubing Size:</b>		
<b>Well Type:</b> Oil	<b>Liner Depth:</b>		
<b>Age of Well:</b> New	<b>Liner Size:</b>		
<b>Packer Type:</b>	<b>Liner Top:</b>		
<b>Packer Depth:</b>	<b>Liner Bottom:</b>		
<b>Treatment Via:</b> Casing	<b>Total Depth:</b> 350'		
		<b>Total Perfs</b>	<b>0</b>

TIME	INJECTION RATE		PRESSURE		REMARKS	PROP (lbs)	HCL (g/s)	FLUID (bbls)
	FLUID	N2/CO2	STP	ANNULUS				
8:45 AM					Called Out			
12:30 PM					On Location Rig Still drillin			
					Hold Safety Meeting Spot & Set Up Trucks			
1:55 PM					Start Casing TD=350' TP=348'.67 SJ=20'			
3:20 PM					Casing On Bottom			
					Hook Up To Casing & Break Circulation w/Rig			
3:30 PM	3.3		100.0		Start Pumping H2O			16.00
	3.3		160.0		Start Mix & Pump 350 Sacks Common 2%Gel 3% CC			84.78
	3.3		160.0		Start Displacement H2O			21.08
4:15 PM			180.0		Close Valve on Casing			
					Good Circulation Thru Job			
					Circulate 10 BBL's To Pit			
					Wash Up Truck & Rack Up Truck			
4:30 PM					Off Location			
					Thank You			
					Please Call Again			
					Todd Brad Cody Darren			
<b>TOTAL:</b>								<b>120.86</b>

**SUMMARY**

Max Fl. Rate	Avg Fl. Rate	Max PSI	Avg PSI
3.3	3.3	180.0	147.5

**PRODUCTS USED**

350 Sacks Common 2% Gel 3% CC

Treater: Todd Seba

Customer: Arturo



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TIME	INJECTION RATE		PRESSURE		REMARKS	PROP (lbs)	HCL (gls)	FLUID (bbls)
	FLUID	N <sub>2</sub> /CO <sub>2</sub>	STP	ANNULUS				
6:30 PM					Shut Down Release LD Plug			
					Wash UP TRUCK			
6:40 PM	7.0		200.0		Start Displacement 2% KCL			
	6.0		600.0		Lift Pressure			26.00
	6.0		1,500.0		Slow Rate			90.00
	3.0		1,500.0		Land Plug			120.70
					Release Pressure			
					Float Held			
					Cement In Cellar			
6:30 PM					Off Location			
					THANK YOU			
					PLEASE CALL AGAIN			
					BRAD Dave DARREN ZACH			
					Lead 300 Sacks H-Con 3% CC 1/2 LB/SK Phen-seal			
					Tail 200 Sack H-Long 1% Gel 10% Salt 5 LB/SK Kosegel			
					.8% CFL-160 .25% CAF-38			