

## **HURRICANE SERVICES INC**

Customer:	MURFIN				Date:	4/13/2017	Ticket No.:		50970	
Field Rep:	ARTURO				] "		_			
Address:					1					
City, State:										
County, Zip:										
				1	_		_			
Field Order No.:					Open Hole:	210' 12 1/4"	_	Perf De	pths (ft)	Porfs
Well Name:		MUNN 2-12			Casing Depth: 210'					
Location:		BIRD CITY, KS			Casing Size: 24# 8 5/8"			<u> </u>		
Formation:		CHREACH			Tubing Depth:				·———	
Type of Services		SURFACE			Tubing Size:		4	<b> </b>	<b></b>	·
Well Type:		NEW			Liner Depthi Liner Size:	<del></del>	-	<u> </u>	<del> </del>	
Age of Well: Packer Typo:		LAEAA			Liner Top:	<del></del>	4		<del> </del> -	
Packer Depth:					Liner Bottom:	<u></u>	-		<del> </del>	
	reatment V(s:	CAS	SING		Total Depth:	<del></del>	-	<b>—</b>	<del> </del>	
	[			J					Total Perfs	0
									TOTAL PARTS	
	INJECTIO	ON RATE		SURE	-			PROP	HCL	FLUID
TIME	FLUID	N2/CO2	la digitalisa	ANNULUS		REMARKS		(lbs)	(gls)	(bbis)
8:00 PM					ON LOCATION					
			<del>                                     </del>		TRUCKS ON LOC			<del> </del>		
	-		<del> </del>			SPOT IN AND RIG UP		<del></del>	<del> </del>	<del> </del>
	40		700 4		BREAK CIRCULATION WITH RIG		<del></del>	<del> </del>	<del> </del>	
	4.0		200.0 150.0		PUMP SPACER		<del></del>	<del></del>	<del> </del>	6.00
	4.0		200.0		MIX AND PUMP 210 SACKS CEMENT		<del> </del>	<del>├─</del> ─	50.86	
	4.0		1		WASH UP AND DISPLACE STOP		+	<del>                                     </del>	12.00	
10:30 PM	w			SHUT IN VALVE AND RELEASE PRESSURE				<del> </del>		
				RIG DOWN			+	<del>  </del>		
				:	OFF LOACTION			<del>                                     </del>	1	
								<del>                                     </del>	<del></del>	
				CIRCULATED 6 BBL CEMENT TO THE PIT						
,				i 						
	<u> </u>		<u> </u>	! <del>{</del>						
	<b>_</b>		<del>                                     </del>		ļ					
		<del></del>	·		ļ				<u> </u>	
	<u> </u>		<u> </u>	i	1		<del></del>	<del></del>	<del>  </del>	
							TOTAL:		<u> </u>	67.86
		SUM	MARY		. <u>P</u>	RODUCTS USED				
	Max Fl. Rate	Avg Fl. Rate	Max PSI	Avg PSI	,					
	4.0	4.0	SC 13	183.3	] [					
					2	10 SACKS CLASS A + 3	<u> % CC + 2%</u> G	EL		
		<del></del>			· · · · · · · · · · · · · · · · · · ·					

Treater: JAKE HEARD Customer: ARTURO

Customer: Murfin Drilling Company Inc.





Ticket No.:

100731

## **HURRICANE SERVICES INC**

Date:

4/23/2017

Field Rep:										
Address:										
City, State:										
County, Zip:										
22.							1		225 722 55	
Field Order No.:		100731		Open Hole:		40041		Perf De	pths (ft)	Perfs
Well Name		Munn # 2-12		Casing Depth: Casing Size:		4891' 5.5 15.5 #				
Location		Bird City,Ks.		Tubing Depth:		5.5 15.5 #				
Formation: Type of Service:				Tubing Size:						
Well Type				Liner Depth:						
Age of Well:				Liner Size:						
Packer Type:				Liner Top:						
P	acker Depth:			Liner Bottom:						
Ti	reatment Via:	Casing		Total Depth:		4900'				
									Total Perfs	0
TIME	INJECTIO FLUID	N RATE N2/CO2	PRES: STP	SURE ANNULUS		REMARKS		PROP (lbs)	HCL (gls)	FLUID
4:15 AM	FLOID	142/002	311	ANNOLOS	Called Ouit	KLINAKKS		(100)	(915)	(bbls)
11:00 AM						FloAT Equipment				
					Run 118 jt's 5.5					
					TD=4900'TP=4891 SJ=22.26' AFU Float Shoe & LD Baffle					
					Turbolizers on Jt's 1-2-3-4-5-6-8-10-11-14-16-18-21-41-65					-
					Cement Baskets Jt's 22-42-66					
11:15 AM					Start Casing					
12:10 PM					65 Jt's in Break	Circulation				
1:15 PM					Casing on Botto	om Drop Ball				
1:24 PM					Break Circulaion W/Rig & Rotate					
					Start Pumping Preflushes					
2:27 PM	4.5		300.0		5 BBI's H20				5.00	
					12 BBI's Mud Flush				12.00	
2:35 PM	- 20		100.0		5 BBL's H20 Plug Rat & Mouse Holes 50 sacks				5.00	
2:42 PM	5.0		400.0		Start Mix Lead @ 12 Lb/gal yield 2.61 250 Sacks					9.00
2.42   111	0.0		7,00,0		Start Mix Tail @ 14.8 Lb/gal yield 1.50 200 Sacks					54.00
3:30 PM						ar pump & Lines Drop LD Plug				15.00
							TOTAL:			599.00
						PROPULATA LIGER				
	Max FI. Rate	SUN Avg Fl. Rate	IMARY Max PSI	Avg PSI		PRODUCTS USED				
	7.0	4.6		700.0						
					_					
						300 Sacks H-Con 200 Sa	acks H-I ong			
						200 000011-0011 200 00	ZONO I I-LUITY			À
Treater: Todd Seba Customer: Glen Wahman										