

JOB LOG

SWIFT Services, Inc.

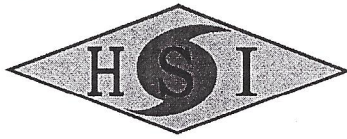
DATE 9-5-17 PAGE NO. 1

CUSTOMER NORSTAR PETROLEUM WELL NO. 1-15 LEASE SYSTERS JOB TYPE 8 5/8" SURFACE TICKET NO. 30626

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1500							ON LOCATION - CIRCULATING T.D. w/ BZT
								TD - 307' SET - 302'
								TP - 307' 8 5/8" # 23
								15' CEMENT LEFT IN CASING
	1830							CASING ON BOTTOM
	1840							BREAK CIRCULATION - MUD PUMP
	1850	4 1/2	45		✓		150	MIX CEMENT - 185 SWS STANDARDS 2% GEL, 3% CC
	1902	6	0		✓		200	DISPLACE CEMENT
	1905		18 3/4					CEMENT DISPLACED - SHUT IN
								CIRCULATED 20 SWS CEMENT TO PT
								WASH TRUCK
	2000							JOB COMPLETE

THANK YOU
WAYNE, DAVE K., KIRBY

TREATMENT REPORT



HURRICANE SERVICES INC

Customer: Northstar Petroleum	Date: 9/16/2017	Ticket No.: 100804
Field Rep: Mike Kern		
Address:		
City, State:		
County, Zip:		

Field Order No.: 100804	Open Hole:	Perf Depths (ft)	Perfs
Well Name: The Sisters 1-15	Casing Depth:		
Location: Alamota	Casing Size:		
Formation:	Tubing Depth: 2030'		
Type of Service: PTA	Tubing Size: 4 1/2 16.6 Lb		
Well Type: Oil	Liner Depth:		
Age of Well: New	Liner Size:		
Packer Type:	Liner Top:		
Packer Depth:	Liner Bottom:		
Treatment Via: 4 1/2 Drill Pipe	Total Depth:		
		Total Perfs	0

TIME	INJECTION RATE FLUID	N2/CO2	PRESSURE STP	ANNULUS	REMARKS	PROP (lbs)	HCL (gls)	FLUID (bbls)
12:00 AM					Called Out			
1:30 AM					On Location With Trucks Hold Safety Meeting			
					Spot & Set Up Trucks			
					1 St Plug @ 2030' 50 Sacks 60/40 4% Gel			
5:25 AM	4.3		80.0		Start Pumping H2O			15.00
	4.0		280.0		Start Mix & Pump 50 Sk 60/40 4% Gel			12.65
	4.0		280.0		Start Displacement H2O			5.00
	7.0		350.0		Start Displace wRig Mud			20.00
5:50 AM					Shut Down PDPOOH			
					2 nd Plug @ 1170' 80 Sacks 60/40 4% Gel			
6:30 AM	4.0		140.0		Start Pumping H2O			10.00
	4.0		230.0		Start Mix & Pump 80 Sk 60/40 4% Gel			20.23
	4.0		350.0		Start Displacement H2O			3.00
	7.0		200.0		Start Displace wRig Mud			8.00
6:50 AM					Shut Down PDPOOH			
					3 rd Plug @ 600' 40 Sacks 60/40 4% Gel			
7:05 AM	3.5		150.0		Start Pumping H2O			5.00
	3.5		150.0		Start Mix & Pump 40 Sk 60/40 4% Gel			10.12
TOTAL:						-	-	144.31

SUMMARY

Max Fl. Rate	Avg Fl. Rate	Max PSI	Avg PSI
7.0	4.2	350.0	184.1

PRODUCTS USED

270 Sacks 60/40 4% Gel

Treater: Brad Starks

Customer: Mike Kern

