



Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

PRESSURE PUMPING

Job Log

Customer:	Vess Oil Corporation	Cement Pump No.:	38117, 19919 14.5Hrs.	Operator TRK No.:	96816	
Address:		Ticket #:	1718 15914 L	Bulk TRK No.:	30463, 37547	14354, 19578
City, State, Zip:		Job Type:	Z42 - Cement Production Casing			
Service District:	1718 - Liberal, Ks.	Well Type:				
Well Name and No.:	Ball Unit #1SWD	Well Location:	9, 19S,31W	County:	Scott	State: Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
A-Serv Lite	200	1/4# Celloflake	14354, 19578	Front	Back
AA2 Cement	150	10% Gypsum, 10% SALT, .5% C-17, 1/4# Defoamer	14354, 19578	Front	Back
A-Con' Blend	175	3% CALCIUM CHLORIDE, 1/4# Celloflake	30463, 37547	Front	Back
Rat & Mouse	50	3% CALCIUM CHLORIDE, 1/4# Celloflake	30463, 37547	Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
Lead:	12.3	2.03	11.35	406	TT Man Hours:	88
Tail:	14.8	1.51	6.65	226.5		
Tail 2:	11.4	2.95	18.1	516.25		
					# of Men on Job:	4

Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure (PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
21:50							ON LOCATION & SAFETY MEETING
22:15							RIG UP
3:25 AM							RIG TO CIRCULATE
5:20 AM							RIG TO P.T.
5:23 AM							PRESSURE TEST TO 3300PSI
5:20	5	10				250	PUMP 10BBL SPACER
5:26	7	72.3 slurry				350	PUMP LEAD 200SX @ 12.3# / STAGE 1
5:40 AM	7	40.3 slurry				320	PUMP TAIL 150SX @ 14.8# / STAGE 1
5:48							SHUTDOWN / DROP LATCH DOWN PLUG / WP
5:54	7	10				190	DISPLACE W/ H2O 63.3BBL
	2.6	20				110	SLOW DOWN NO WATER
	2.6	30				50	
	7	40				160	
	7	50				180	
6:05	7	63				170	DISPLACE W/ 53.7BBL
	7	70				180	
	8	80				420	
	7	90				500	
	6.9	100				650	

Size Hole	7 7/8"	Depth	5240'		TYPE	Plug Container	
Size & Wt. Csg.	5 1/2" 15.5#	Depth	4960'	Shoe Jt.	42.44'	Packer	Depth
D.V. Tool	5 1/2"	Depth	2257.81'		Retainer	Depth	
Landing Press. 1	833.3psi	Landing Press. 2	359.4psi		Perfs	CIBP	

Customer Signature: <i>X Roger Martin</i>	Basic Representative:	Daniel Beck
	Basic Signature:	<i>Daniel Beck</i>
	Date of Service:	9/18/2018



Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

PRESSURE PUMPING Job Log

Customer:	Vess Oil Corporation	Cement Pump No.:	38117, 19919 Hrs.	Operator TRK No.:	96816	
Address:		Ticket #:	1718 15914 L	Bulk TRK No.:	30463, 37547	14354, 19578
City, State, Zip:		Job Type:	Z42 - Cement Production Casing			
Service District:	1718 - Liberal, Ks.	Well Type:				

Well Name and No.:	Ball Unit #1SWD	Well Location:	9, 19S,31W	County:	Scott	State:	Ks
--------------------	-----------------	----------------	------------	---------	-------	--------	----

Time (am/pm)	BPM	Volume (BBLs)	Pumps		Pressure (PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
	7	107				810	SLOW RATE TO 2.1BPM @ 550PSI
6:19	2	117				700	LAND PLUG / PRESSURE UP TO 1590PSI
6:21 AM							RELEASE BACK --- FLOAT HELD
6:26 AM							DROP OPENING TOOL
6:41 AM							PUMP OPENING TOOL @ 850PSI
6:55							RIG TO CIRCULATE
10:05							PLUG RAT HOLE
10:10 AM		10					PUMP 10BBL SPACER
10:15	7	144.4 slurry				190	PUMP 275SX @ 11.4# / STAGE 2
10:43							SHUTDOWN / DROP CLOSING TOOL
10:45	7.2	10				80	DISPLACE
	0.4	20				340	SLOW WATER
	7	30				340	
	7	40				470	
10:56	7	43				510	SLOW RATE TO 2.0BPM @ 310PSI
	2	50				360	<i>Cement to surface 20s</i>
11:02	2	53.7				380	LAND CLOSING PLUG / PRESSURE UP TO 1030PSI
11:04							RELEASE BACK --- PLUG HELD
							JOB COMPLETE

Size Hole	7 7/8"	Depth	5240'		TYPE	PLUG CONTAINER	
Size & Wt. Csg.	5 1/2" 15.5#	Depth	4960'	Shoe Jt.	42.44'	Packer	Depth
D.V. Tool	5 1/2"	Depth	2257.81'			Retainer	Depth
Landing Press. 1	833.3psi	Landing Press. 2	359.4psi			Perfs	CIBP

Customer Signature: <i>Roger Martin</i>	Basic Representative:	Daniel Beck
	Basic Signature:	<i>Daniel Beck</i>
	Date of Service:	9/18/2018

Vess Oil Corporation Ball Unit #1

