



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

PRESSURE PUMPING

Job Log

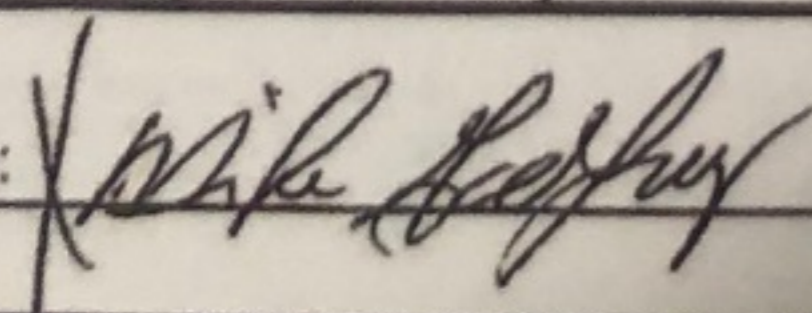
Customer:	Obrien Energy	Cement Pump No.:	38119-19570 6 HRS	Operator TRK No.:	96815
Address:	18 Congress St. Suite 207	Ticket #:	1718-15577 L	Bulk TRK No.:	14355-37724
City, State, Zip:	Portsmouth NH 03801	Job Type:	Z42 Cement Surface Casing		
Service District:		Well Type:	OIL		
Well Name and No.:	Mary 3-1	Well Location:	1,21,22	County:	Clark
				State:	Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
A-CON	140	3%CaCl, 1/4#POLYFLAKE, .2%WCA-1	14355-37724	Front	Back
PREMIUM PLUS	150	2%CaCl, 1/4#POLYFLAKE		Front	Back
				Front	Back

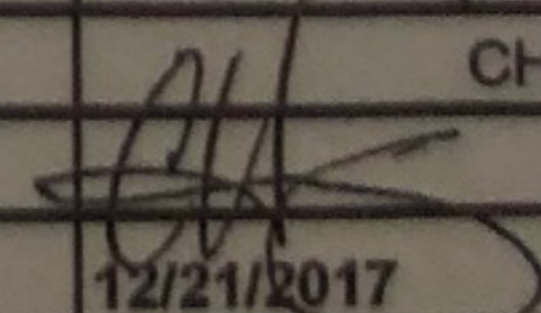
Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
Lead:	11.4	2.95	18.1	413	Man Hours:	44
Tail:	14.8	1.34	6.33	201	# of Men on Job:	3

Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure (PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
3:00							ON LOC, SAFTEY MTG, R.U.
12:56						1600	TEST LINES
12:58 PM	5.3					80	START LEAD @ 11.4#
1:12 PM	5.3	73.5				100	ON TAIL @ 14.8#
1:20 PM		36					SHUT DOWN, DROP PLUG
13:24	5					90	START DISPLACEMENT
13:30	2	30				130	SLOW RATE
1:37 PM		44.5				210-800	PLUG DOWN
13:39						800-0	RELEASE PSI, FLOAT HELD
							JOB COMPLETE
							THANK YOU FOR YOUR BUSINESS!!!

Size Hole	12 1/4	Depth	747		TYPE	
Size & Wt. Csg.	8 5/8 24	Depth	747.49	New / Used	Packer	Depth
lbg.		Depth			Retainer	Depth
Top Plugs		Type			Perfs	CIBP

Customer Signature: 

Basic Representative: CHAD HINZ

Basic Signature: 

Date of Service: 12/21/2017