

**PRESSURE PUMPING**

**Job Log**



Customer:	Obrien Energy	Cement Pump No.:	37712 19572 Hrs 3	Operator TRK No.:	78938 Angel
Address:	18 Congress St. Suite 207	Ticket #:	1718 19485 L	Bulk TRK No.:	19827, 27808 Victor
City, State, Zip:	Portsmouth NH 03801	Job Type:	Z42 - Cement Surface Casing		
Service District:	1718 - Liberal, Ks.	Well Type:	OIL		
Well Name and No.:	Keystone #5	Well Location:	4,33,29	County:	Meade State: Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
A-Con' Blend	375	3% CC, 1/4# Poly, .2%WCA1	19827, 27808	Front	Back
Premium Plus	150	2% CC, 1/4# PolyFlake	Victor	Front	Back
				Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel
<b>Lead:</b>	11.4	2.92	17.76	1095	Man Hours:
<b>Tail:</b>	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	
9:00							On Location
9:15							Safety Meeting
9:45 PM							Rig Up
4:00 AM							Pressure Test Lines to 1500psi
4:01 AM	5	5				100	Pump 5bbl H2O Spacer
4:04	6	195.02				200	Pump Lead @ 11.4#
4:35	6	35.8				200	Switch To Tail @ 14.8#
4:47 AM							Shut Down Drop Plug
4:50	4.3	10thru60				160	Displacement
	4	80				290	
5:19	2	97.4				350	Landed Plug Pressured up Plug
5:24							Release Back --- Float Held
							Rig Down
							Job Completed
							***** Cement To Surface *****

Size Hole	12 1/4"	Depth			TYPE	Plug Container	
Csg.	8 5/8" 24#	Depth	1572.82'	New / Used	Packer		Depth
Shoe Jt	41.08'	Depth			Retainer		Depth
Landing Psi	316.338psi	Type			Perfs		CIBP

Customer Signature: 	Basic Representative:	Angel Echevarria
	Basic Signature:	
	Date of Service:	6/15/2019



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

**PRESSURE PUMPING** Job Log


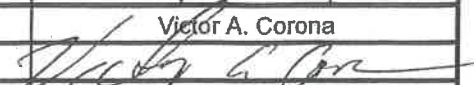
Customer:	Obrien Energy	Cement Pump No.:	37712 19572.9 HRS	Operator TRK No.:	78868
Address:	18 Congress St. Suite 207	Ticket #:	1718 19521 L	Bulk TRK No.:	30463 19578 Corey
City, State, Zip:	Portsmouth NH 03801	Job Type:	Z42 - Cement Production Casing		
Service District:	1718-Liberal KS	Well Type:	OIL		
Well Name and No.:	Keystone 5-4	Well Location:	4,33,29	County:	Meade
				State:	Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
60/40 POZ	100		30463 19578 Corey	Front	Back
AA2	185	5%W-60,10%Salt,.6%C-17,1/4#Defoamer,5#Gilonite,1/3#SK OWB	30463 19578	Front	Back
				Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel
<b>Lead:</b>	12	2.08	11.89	208	TT Man Hours: 30
<b>Tail:</b>	14.8	1.52	6.7	281.2	# of Men on Job: 3

Time (am/pm)	(BPM)	Volume (BBLS)	Pumps		Pressure (PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
14:45pm							Arrived at location
15:00pm							Spot Trucks/Rig up
16:50pm							Safety Meeting
17:10pm						2500	Pressure test casing at 2000psi
17:11pm	3	11				100	Pump 11bbls of mud flush spacer
17:25pm	3	18.5				zero	Pump 18.5bbls for rat and mouse hole
17:37pm	3	18.5				150	Pump 18.5bbls of scavenger cement at 12lbs
17:45pm	5	50				200	Pump 50bbls of cement from 185sks at 14.8lbs
18:15pm							Shut down/drop plug/wash pump and lines to pit
18:21pm							Start displacement of 99bbls with H2O/3%KCL
18:27pm	4	20				zero	20bbls gone
18:32pm	4	40				zero	40bbls gone
18:36pm	5	60				50	60bbls gone
18:40pm	5	80				400	80bbls gone
18:42pm	5	89				500	89bbls gone/slow down rate
18:45pm	3	99				1600	Bump Plug / check if float holds
16:50pm						1600	Pressure test casing for 5 minutes at 1600psi
							Rig down
							Job Completed

Size Hole	7 7/8	Depth	6250		TYPE	Float Collar	
Size & Wt. Csg.	4 1/2 10.5#	Depth	6252	New / Used	Float Collar	6229.9	Depth
Landing Psi	1000+	Depth			Retainer		Depth
Shoe Joint	22.1	Type			Perfs		CIBP

Customer Signature: 	Basic Representative:	Victor A. Corona
	Basic Signature:	
	Date of Service:	6/21/2019