



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.:	37223, 19919 4Hrs.	Operator TRK No.:	78938
Address:	18 Congress St. Suite 207	Ticket #:	1718 14582 L	Bulk TRK No.:	14355, 37724 Manuel 14354, 19578 Yosimar
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 3-4	Well Location:	4,33,29	County:	Meade State: Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
A-Con' Blend	215	3% Calcium Chloride, 1/4# Polyflake, .2% WCA1	14355, 37724 Manuel	Front	Back
Premium Plus Cement	150	2% Calcium Chloride, 1/4# Polyflake	14354, 19578 Yosimar	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	634.25	TT Man Hours:	22
Tail:	14.8	1.34	6.33	201	# of Men on Job:	4

Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure(PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
14:15							ON LOCATION
14:50							SAFETY MEETING
3:00 PM							RIG UP
15:19							PRESSURE TEST TO 2800PSI
15:20	5	202.2 slurry				110	PUMP 215SX LEAD @ 11.4#
3:44 PM	5	35.7 slurry				180	PUMP 150SX TAIL @ 14.8#
15:52							SHUTDOWN / DROP PLUG
15:53	5.2	10				60	DISPLACE
	5.2	20				90	
	5.2	30				110	
	5.2	40				160	
	5.2	50				230	
	5.2	60				310	
	5.2	70				350	
	5	80				400	
16:13	5	82				410	SLOW RATE TO 2.0BPM @ 360PSI
	2.1	90				400	
16:18	2.1	92.2				410	LAND PLUG / PRESSURE UP TO 1040PSI
16:20							RELEASE BACK --- FLOAT HELD
							JOB COMPLETE

Size Hole	12 1/4"	Depth	1520'		TYPE	Plug Container	
Size & Wt. Csg.	8 5/8" 24#	Depth	1495'	New / Used	Packer	Depth	
Landing Press.	303.3psi	Depth			Retainer	Depth	
Shoe Jt.	42.29'	Type			Perfs	CIBP	

Customer Signature:	Basic Representative:	Daniel Beck
	Basic Signature:	
	Date of Service:	11/9/2017



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Job Log



Customer:	O'Brien Energy	Cement Pump No.:	37223, 19919 6Hrs.	Operator TRK No.:	78938
Address:	18 Congress St. Suite 207	Ticket #:	1718 14587 L	Bulk TRK No.:	30464-37725 Yoshimar
City, State, Zip:	Portsmouth NH 03801	Job Type:	Z42 Cement Production Casing		
Service Districts:	1718 Liberal, Ks.	Well Type:	OIL		
Well Name and No.:	Keystone 3-4	Well Location:	4,33,29	County:	Meade
				State:	Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
AA2 Cement	165	5% W-60, 10% Salt, .6% C-15, 1/4# Defoamer, 5# Gilsomite	30464-37725 Yoshimar	Front	Back
60/40 POZ	50	Neat To Plug Rat And Mouse Holes	30464-37725	Front	Back
				Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
Lead:				165	TT Man Hours:	18
Tail:	14.8	1.51	6.65	75.5	# of Men on Job:	3

Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure (PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
21:45							ON LOCATION
22:00							SAFETY MEETING
10:15 PM							RIG UP
10:20 PM							RIG UP TO PUMP TRUCK
10:46 PM							PRESSURE TEST TO 2200PSI
22:49	4.7	11.9				240	PUMP MUD FLUSH
23:00							PUMP RAT AND MOUSE
11:10 PM	6.5	44.3				400	PUMP TAIL 165SX @ 14.8#
23:22							SHUT DOWN / DROP PLUG
23:24							WASH TO PIT
23:27	7	10				160	DISPLACEMENT
	7	20				160	
	7	30				170	
	7	40				160	
	7	50				160	
	7	60				160	
	6.9	70				470	
	6.9	80				750	
21:41	6.9	85				870	SLOW RATE TO 2 BPM @620PSI
	2	90				740	
21:47	1.9	95.6				870	LANDED PLUG PRESSURE UP TO 1500PSI
21:49							RELEASE BACK — PLUG HELD
							JOB COMPLETE

Size Hole	7 7/8"	Depth			TYPE	Plug Container	
Size & Wt. Csg.	4 1/2" 11.6#	Depth	6203.2'	New / Used	Packer	Depth	
Landing Press.	592.7psi	Depth			Retainer	Depth	
Shoe Jt.	35.16'	Type			Perfs	CIBP	

Customer Signature: 	Basic Representative:	Angel Echevarria
	Basic Signature:	
	Date of Service:	11-17-17