



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

**PRESSURE PUMPING Job Log**

Customer:	Ken White Exploration	Cement Pump No.:	38117, 19919 23Hrs.	Operator TRK No.:	78938
Address:		Ticket #:	1717 06783 A	Bulk TRK No.:	30464, 37724 Jose
City, State, Zip:		Job Type:	Z42 Cement Production Casing		
Service District:	Liberal Ks.	Well Type:	OIL		
Well Name and No.:	Arnold #1	Well Location:	6,29,40	County:	Stanton
				State:	Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
A-Con <sup>®</sup> Blend	60	3% CALCIUM CHLORIDE, 1/4# POLYFLAKE	30464, 37724 Jose	Front	Back
AA2 Cement	200	5% W-60, 10% SALT, .5% C-15, 1/4# DEFOAMER, 5# GILSONITE	30464, 37724	Front	Back
A-Con <sup>®</sup> Blend	315	3% CALCIUM CHLORIDE, 1/4# POLYFLAKE	14355, 37725	Front	Back
Premium Plus Cement	100	2% CALCIUM CHLORIDE, 1/4# POLYFLAKE	14355, 37725	Front	Back
Premium Plus Cement	50	2% CALCIUM CHLORIDE, 1/4# POLYFLAKE	14355, 37725	Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
<b>Lead #1:</b>	11.4	2.93	18	175.8	Man Hours:	
<b>Tail #1:</b>	14.8	1.51	6.64	302	# of Men on Job:	3
<b>Lead #2:</b>	11.4	2.95	18.1	929.25		
<b>Tail #2:</b>	14.8	1.34	6.33	134		
<b>Tail</b>	14.8	1.34	6.33	67		

Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure (PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
20:00							ON LOCATION
20:05							WAIT ON RIG TO L.D. D.P & D.C.
1:45 AM							SAFETY MEETING
2:00 AM							RUN FLOAT EQUIPMENT
3:40 AM							AT 65 JOINTS CIRCULATE
5:45							CASING ON BOTTOM RIG UP TO CIRCULATE
6:10							CIRCULATE
							RIG UP P.T.
9:50							PRESSURE TEST TO 3000 P.S.I.
10:00	5					500	PUMP 500 GAL. SUPER FLUSH II
10:05	6.3	31.3 slurry				600	PUMP 60SK. 'A-CON' BLEND @ 11.4#
10:12	6.2	53.7 slurry				200	PUMP 200SK AA2 @ 14.8#
10:30							SHUTDOWN / W.P. / DROP PLUG
10:35	6.2	10				50	DISPLACE
	6.2	70				50	
	6.4	80				50	
	6.3	90				200	
	6.3	100				250	
	6	110				700	
	6.1	120				850	

Size Hole	7 7/8"	Depth	5701'		PLUG C.	ROTATING HEAD	
Size & Wt. Csg.	5 1/2" 15.5#	Depth	New / Used		Two STG Collar	Depth	3216'
tbg.		Depth			Retainer	Depth	
Top Plugs		Type			Perfs	CIBP	

Customer Signature: *[Signature]*  
 Basic Representative: Daniel Beck  
 Basic Signature: *[Signature]*  
 Date of Service: 1/6/2015

*White Exploration*



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Service District:	Liberal Ks	Well Type:	OIL		
Well Name and No.:	Arnold #1	Well Location:	6,29,40	County:	Stanton State: Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
			30464, 37724 Jose	Front	Back
			14355, 37725 Jose	Front	Back
				Front	Back

Lead/Tail:	Weight #1 Gal.	Yield	Water Requirements	CU. FT.	Man Hours / Personnel
<b>Lead:</b>				0	Man Hours:
<b>Tail:</b>				0	# of Men on Job:

Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure(PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
10:56	2	125				800	SLOW RATE
11:00	0	135.1				1600	LAND PLUG AND PRESSURE UP RELEASE BACK FLOAT HELD
11:20 AM							PUMP PILL WENT THRU AT 1200 P.S.I.
11:25 AM							DISCONNECT FROM P.T. / RIG TO CIRCULATE
13:15							RIG UP P.T.
13:20		165.4 slurry					PUMP 315SK 'A-CON' BLEN @11.4#
1:53 PM		23.8 slurry					PUMP 100SK PREMIUM PLUS @ 14.8#
13:58							SHUTDOWN / DROP PLUG
14:02	5.8	10				0	DISPLACEMENT
	5.6	20				0	
	5.6	30				100	
	1.5	40				100	LOW ON WATER
	4.8	50				300	
	4.6	60				500	
	2.1	65				600	SLOW RATE
	2.1	70				650	
14:24	0	76.1				1800	TOOL CLOSED RELEASED BACK FLOAT HELD PLUG RAT & MOUSE W/ 50SK
14:30							JOB COMPLETE

Size Hole	7 7/8"	Depth	5701'		TYPE	
Size & Wt. Csg.	5 1/2" 15.5#	Depth	0	New / Used	Packer	Depth
tbg.		Depth	0		Retainer	Depth
Top Plugs	0	Type			Perfs	CIBP

Customer Signature:	Basic Representative:	Daniel Beck
	Basic Signature:	
	Date of Service:	1/6/2015

*Ken White Exploration*