

PRESSURE PUMPING

Job Log

Customer:	Raydon Exploration	Cement Pump No.:	38117, 19919 15.5Hrs.	Operator TRK No.:	78938
Address:	1601 NW Expressway STE 1300	Ticket #:	1718 13193 L	Bulk TRK No.:	19827, 19808 Santiago 33021, 14284 Chad
City, State, Zip:	OKC OK 73118	Job Type:	Z42 - Cement Surface Casing		
Service District:	1718 - Liberal, Ks.	Well Type:	OIL		
Well Name and No.:	Cox Land 1-5	Well Location:	5,28,32	County:	Haskell
				State:	Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
A-Con' Blend	400	3% Calcium Chloride, 1/4# Polyflake, .2% WCA1	19827, 19808 Santiago	Front	Back
Premium Plus Cement	150	2% Calcium Chloride, 1/4# Polyflake	33021, 14284 Chad	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	1180	Man Hours:	16.5
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	
15:30							ON LOCATION
16:00							SAFETY MEETING
4:15 PM							RIG UP
4:45 PM							WAIT ON RIG
8:00 PM							RIG UP TO CIRCULATE
20:07							CIRCULATE HOLE
20:25							RIG TO P.T.
8:31 PM							PRESSURE TEST TO 2700PSI
20:37	5.2	210.1 slurry				170	PUMP 400SX LEAD @ 11.4#
21:20	5.2	35.7				170	PUMP 150SX TAIL @ 14.8#
21:33							SHUTDOWN / DROP PLUG / W.P.
	5	20				100	DISPLACE
	5	30				140	
	5	40				150	
	5	50				210	
	5	60				260	
	4.9	70				310	
	4.8	80				370	
21:57	4.7	90				420	SLOW RATE TO 2.0B.P.M. @ 370PSI
	2	100				410	
22:02	2	101.6				420	LAND PLUG / PRESSURE UP TO 1020PSI
22:04							RELEASE BACK --- FLOAT HELD
							NO CEMENT RETURNS 1"

Size Hole	12 1/4"	Depth			TYPE	Plug Container	
Size & Wt. Csg.	8 5/8" 24#	Depth	1640'	New / Used	Packer	Depth	
tbg.		Depth			Retainer	Depth	
Top Plugs		Type			Perfs	CIBP	

Customer Signature:	Basic Representative:	Daniel Beck
	Basic Signature:	<i>Daniel Beck</i>
	Date of Service:	11/25/2016



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

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Well Name and No.:	Cox Land 1-5	Well Location:	5,28,32	County:	Haskell
				State:	Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
Premium Plus Cement	400	NEAT	33021, 14284 Chad	Front	Back
				Front	Back
				Front	Back

Lead/Tail:	Weight #1 Gal.	Yield	Water Requirements	CU. FT.	Man Hours / Personnel	
Lead:	14.8	1.32	6.31	528	Man Hours:	16.5
Tail:					# of Men on Job:	4

Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure(PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
2:20							RIG UP 1" / 25' EACH 3 JOINTS TO TAG
3:03							PUMP 66SX @ 14.8# W/ 2% CALCIUM CHLORIDE
							CONTINUE PUMPING ANOTHER 69SX @14.8# NEAT
3:22 AM							SHUTDOWN & WAIT / W.P.
5:25 AM							CEMENT 10' BELOW SURFACE
5:30							PUMP 70SX @ 14.8# W/ 2% CALCIUM CHLORIDE
							CEMENT AT SURFACE
5:54 AM							SHUTDOWN / W.P.
							JOB COMPLETE

Size Hole	12 1/4"	Depth			TYPE	
Size & Wt. Csg.	8 5/8" 24#	Depth	1640'	New / Used	Packer	Depth
tbg.		Depth			Retainer	Depth
Top Plugs		Type			Perfs	CIBP

Customer Signature:	Basic Representative:	Daniel Beck
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