



Job Execution Information

Job	Fluid	Product	Function	Density (lb/gal)	Yield (ft ³ /sk)	Water Rq. (gal/sk)	Water Rq. (gal/bbl)	Volume (sk)	Volume (bbl)	Top (ft)
1	1	Water	Flush	8.33			42.00		7.00	0
1	2	ALTCem Sqz100-X1	Squeeze	15.80	1.15	4.99		110.00	22.50	0
1	3	Water	DisplacementFinal	8.33			42.00		9.70	0
1	4	Water	DisplacementFinal	8.33	0.00	0.00		0.00	8.00	0

Job Fluid Details

Job	Fluid	Type	Fluid	Product	Function	Conc.	Uom
1	2	Squeeze	ALTCem Sqz100-X1	ACG-10	Cement	100.00	%
1	2	Squeeze	ALTCem Sqz100-X1	ACL-10	Accelerator	1.00	%BWOB



Job Logs

Line	#	Event	Date (MM/DD/YY)	Time (HH:MM)	Density (lb/gal)	Pump Rate (bpm)	Pump Volume (bbls)	Pipe Pressure (psi)	Annular Pressure (psi)	Comment
1		Called Out	12/21/2015	10:00						Called Out
2		Depart Yard	12/21/2015	10:30						Depart Yard
3		Arrived to Location	12/21/2015	11:30						Arrived to Location / Checked in with Company Man
4		Safety Meeting	12/21/2015	12:00						Pre Rig Up Safety Meeting
5		Rig Up Iron	12/21/2015	12:15						Rig Up Iron
6		Safety Meeting	12/21/2015	14:00						Pre Job Safety Meeting
7		Start Job	12/21/2015	14:25						Start Job
8		Fill Lines	12/21/2015	14:28	8.33	1.5	2	200		Load Well 2bbls
9		Test Lines	12/21/2015	14:31						Pressure Test Lines 2000psi Test Good
10		Injection Test	12/21/2015	14:33	8.33	1	5	1170		Injection Test 1bpm 1170psi, ISIP 950psi
11		Mix Cement	12/21/2015	14:43						Start Mixing Cement @ 15.8ppg
12		Pump Cement	12/21/2015	14:48	15.8	3	22.5	650		Pump 22.5bbls/110sks Cement @ 15.8ppg, 1.15 Yield, 4.99gps. 945ft Tubing Out Plug from 3557 to 2612 feet
13		Displacement	12/21/2015	14:55	8.33	3	9.7	150		Displace 9.7bbls Fesh Water
14		Shutdown	12/21/2015	14:58						Shutdown POOH 20 Stands/ Wash Pump Lines to Pit
15		Reverse Out	12/21/2015	15:21	8.33	3	17	355		Reverse Out 17bbls No Cement Seen
16		Shutdown	12/21/2015	15:27						Shutdown to Line Up for Squeeze
17		Displacement	12/21/2015	15:30	8.33	0.5	5.3	1400		Start Squeeze Displacement, Pumped 5.3bbls got to 1461psi and Well Bleed Back to 911psi Held 5 min.
18		Displacement	12/21/2015	15:46	8.33	0.5	7.3	1350		Pumped 2 bbls 1350psi Well Bleed Back to 1035psi Held 10 min.
19		Displacement	12/21/2015	16:00	8.33	0.5	7.5	1500		Pumped .2bbls 1500psi Well Bleed Back to 1043psi Held 10 min.
20		Displacement	12/21/2015	16:10	8.33	0.5	7.7	1400		Pumped .2bbls 1400psi Well Bleed Back to 1345psi Held 6 min.
21		Displacement	12/21/2015	16:16	8.33	0.5	7.7	1400		Pumped up Pressure to 1400 psi Well Bleed Back to 1350 psi, no Volume used
22		Displacement	12/21/2015	16:22	8.33	0.5	7.7	1400		Pumped up Pressure to 1400 psi Well Bleed Back to 1350 psi, no Volume used
23		Displacement	12/21/2015	16:27	8.33	0.5	7.7	1500		Pumped up Pressure to 1500 psi Well Bleed Back to 1350 psi, no Volume used
24		Displacement	12/21/2015	17:00	8.33	0.5	7.9	1500		Bumped Pressure up 4 Times from 1450 to 1500psi used .2 bbls Fluid.
25		Displacement	12/21/2015	17:41	8.33	0.5	8	1500		Bumped Pressure up From Backside to 1500 psi used .1 bbls Fluid. Held 10 min
26		End Job	12/21/2015	17:51						Shut-in Well with 1500 psi on it.
27		Safety Meeting	12/21/2015	18:00						Pre-Rig Down Safety Meeting
28		Rig down	12/21/2015	18:15						Rig Down Iron
29		Depart Location	12/21/2015	19:15						Depart Location