

HALLIBURTON

iCem[®] Service

URSA RESOURCES GROUP II LLC

For: Hans Wychgram

Date: Saturday, January 07, 2017

B&V 33B-07-07-95 Surface

API#05-045-22844-00

Sincerely,

Grand Junction Cement Engineering

2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Driv-Side Pump Pressure (psi)	Downhole Density (ppg)	Combined Pump Rate (bbl/min)	Combined Pump Total (bbl)	Comments
Event	1	Call Out	Call Out	1/7/2017	13:00:00	USER					crew calledout to 8.625 Ursa surface pipe, 1 crew pickup, 1 elite pump trk, compressor trl and all cmt on location.
Event	2	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	1/7/2017	15:45:00	USER					meeting with all HES personnel to discuss safety/hazards associated with traveling to location. all personnel signed a Jsa
Event	3	Depart from Service Center or Other Site	Depart from Service Center or Other Site	1/7/2017	16:00:00	USER					
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	1/7/2017	17:00:00	USER					met with Ursa company rep Richard McNeill and went over job numbers, iron placement and water sources.
Event	5	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	1/7/2017	17:02:00	USER					tp1928, tp1913,sj44,fc1869,12.250oh,8.625 32# j55, wf10.4ppg, hes floats, hes top plug.
Event	6	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	1/7/2017	17:15:00	USER					meeting with all HES personnel to discuss safety/hazards associated with rigging up HES equipment. all personnel signed a jsa
Event	7	Rig-Up Equipment	Rig-Up Equipment	1/7/2017	17:30:00	USER					hes spotted in pump trk and was able to rig up bulk and water

Event	8	Standby - Other - see comments	Standby - Other - see comments	1/7/2017	18:00:00	USER					HES went into wait mode waiting on rig to land casing
Event	9	Rig-Up Equipment	Rig-Up Equipment	1/7/2017	19:30:00	USER					HES finished rigging up iron
Event	10	Casing on Bottom	Casing on Bottom	1/7/2017	20:00:00	USER	23.00	-0.01	0.00	3.0	rig landed surface casing and started circulating the well at 9.5bpm
Event	11	Pre-Job Safety Meeting	Pre-Job Safety Meeting	1/7/2017	20:25:00	USER	23.00	-0.01	0.00	3.0	meeting with all personnel on location to discuss safety/hazards associated with job in hand and also covered job procedures.
Event	12	Break Circulation	Break Circulation	1/7/2017	20:35:00	USER	23.00	-0.01	0.00	3.0	rig kicked pumps out and HES stabbed 8.625 cement plug container and completed rigging up rig floor
Event	13	Start Job	Start Job	1/7/2017	20:41:09	COM9					
Event	14	Prime Pumps	Prime Pumps	1/7/2017	20:41:14	COM9					
Event	15	Pump Water	Fill Lines FW	1/7/2017	20:52:00	USER	4.00	8.51	0.00	0.0	pumped 2bbl's of fw at 2bpm and top psi was 79.
Event	16	Test Lines	Test Lines	1/7/2017	20:55:55	USER	852.00	8.70	0.00	1.0	test electronic kick outs using both pumps, 5th gear stall out and tested lines to 3494 and pressure held great
Event	17	Pump Spacer	Pump FW Spacer	1/7/2017	21:04:00	USER	27.00	8.57	0.00	1.0	pumped 20bbl's of fw ahead at 1bpm (pressure 104 at 1bpm) to bring lead cmt up to weight. went into cmt at 4bpm and pressure was 220. calculated all 20bbl's of fw to surface
Event	18	Check Weight	Check weight	1/7/2017	21:10:14	COM9					
Event	19	Pump Lead Cement	Pump Lead Cement	1/7/2017	21:14:00	USER	184.00	8.38	3.90	19.2	pumped 131bbl's of lead

											cmt, 299sks, VariCem 12.3ppg, 2.46 yield, 14.17 gal/sk, pumped at 8bpm and average pressure was 400. weight confirmed using high pressure mud scales, weight confirmed by hes supervisor. wet and dry samples left on location. calculated 34bbl's of lead to surface
Event	20	Pump Tail Cement	Pump Tail Cement	1/7/2017	21:33:00	USER	309.00	12.30	8.00	157.5	pumped 46.6bbl's of tail cmt, 120sks, VariCem 12.8ppg, 2.18 yield, 12.11 gal/sk, pumped at 8bpm and average pressure was 300. slow rate to 5.5bpm at end of tail cmt pressure was 235 weight confirmed using high pressure mud scales, weight confirmed by hes supervisor. wet and dry samples left on location. Calculated top of tail at 1315.32ft.
Event	21	Check Weight	Check weight	1/7/2017	21:34:16	COM9					
Event	22	Shutdown	Shutdown	1/7/2017	21:40:00	USER	219.00	13.11	5.60	207.3	done pumping cmt
Event	23	Drop Top Plug	Drop Top Plug	1/7/2017	21:44:00	USER	89.00	9.34	3.30	210.3	HES dropped top plug witnessed by Ursa company rep Richard McNeill
Event	24	Pump Displacement	Pump FW Displacement	1/7/2017	21:44:50	USER	74.00	8.49	3.90	213.1	HES calculated 114bbl's of fw displacement.
Event	25	Returns To Surface	Returns To Surface	1/7/2017	21:55:00	USER	572.00	8.23	8.00	284.8	rig took back 30bbl's of lead cmt
Event	26	Slow Rate	Slow Rate	1/7/2017	21:59:00	USER	671.00	8.23	8.00	316.7	slow rate to 2bpm to land plug, psi at 8bpm was 658 and psi at 2 was 460

Event	27	Bump Plug	Bump Plug	1/7/2017	22:04:00	USER	956.00	8.22	0.00	327.4	plug bumped at calculated volume 114bbl's pressure at 2bpm was 460, kicked out pumps at 800 and pressure climbed to 990 and held with zero loss
Event	28	Check Floats	Check Floats	1/7/2017	22:06:00	USER	78.00	8.18	0.00	327.4	HES floats held .5bbl's back to the pumping unit
Event	29	End Job	End Job	1/7/2017	22:07:00	COM9	45.00	8.17	0.00	327.4	
Event	30	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	1/7/2017	22:10:00	USER	42.00	8.15	0.00	0.0	Meeting with all HES personnel to discuss safety/hazards associated with rigging down HES equipment
Event	31	Rig-Down Equipment	Rig-Down Equipment	1/7/2017	22:15:00	USER					
Event	32	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	1/7/2017	22:30:00	USER					meeting with all HES personnel to discuss safety/hazards associated with traveling back to service center.
Event	33	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	1/7/2017	22:45:00	USER					
Event	34	Other	Other	1/7/2017	22:46:00	USER					Thank You for Choosing Halliburton Cement. Parker and Crew. (713)703-3283