

# HALLIBURTON

iCem<sup>®</sup> Service

## **WPX ENERGY LLC-EBUS**

**For: Mark Mewshaw**

Date: Friday, July 01, 2016

**GM 432-9 Surface**

**API # 05-045-22535-00**

**Sincerely,**

**Grand Junction Cement Engineering**

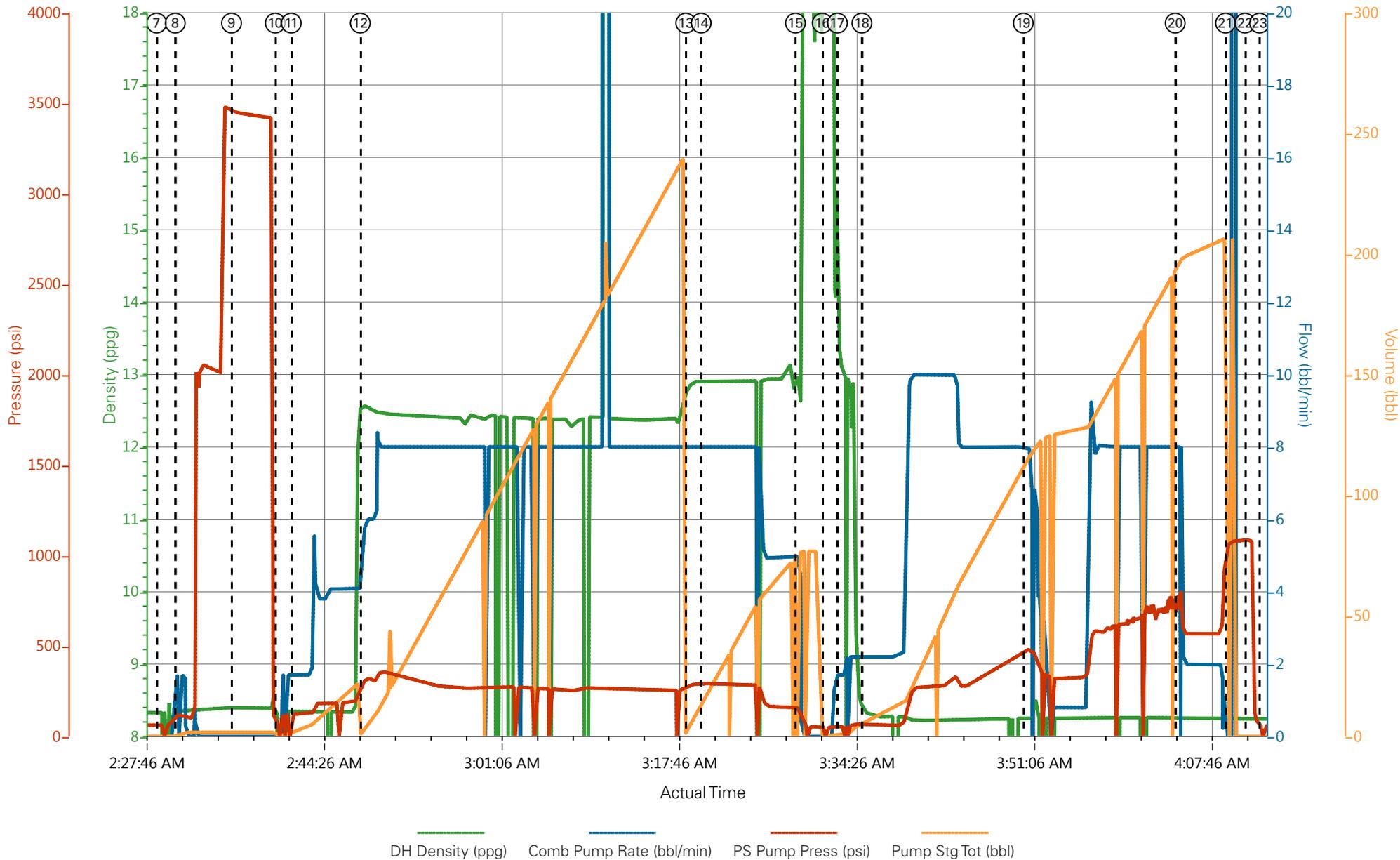
## 1.0 Real-Time Job Summary

### 1.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	Pass-Side Pump Pressure (psi)	Downhole Density (ppg)	Combined Pump Rate (bbl/min)	Pump Stage Total (bbl)	Comments
Event	1	Call Out	6/30/2016	18:00:00	USER					REQUESTED ON LOCATION @ 0930 (06.29.16), CREW RELEASED @ 0600 (6.30.16), REQUESTED ON LOCATION @ 2030 (6.30.16)
Event	2	Pre-Convoy Safety Meeting	6/30/2016	19:00:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	6/30/2016	19:15:00	USER					1 F550, 2 660 BULK TRUCK & 1 ELITE PUMP TRUCK
Event	4	Arrive At Loc	6/30/2016	20:30:00	USER					RIG DRILLING
Event	5	Assessment Of Location Safety Meeting	6/30/2016	21:00:00	USER					MET WITH COMP REP, B. OAKS, AND WENT OVER NUMBERS AND JOB PROCEDURE. WALKED AROUND LOCATION AND COLLECTED WATER SAMPLE (PH- 7, CHLORIDES- 0, TEMP- 65F). COMP REP WAS OFFERED SDS FOR ALL CHEMICLES USED BY HES.
Event	6	Pre-Job Safety Meeting	7/1/2016	02:00:00	USER					ALL HES PRESENT
Event	7	Start Job	7/1/2016	02:29:00	COM6					TD 2588.57', TP 2587.57', SJ 46.56', OH 13.5'', CSG 9.625" 32.3#, MUD 10 PPG.
Event	8	Fill Lines	7/1/2016	02:30:44	USER					8.33 PPG FRESH WATER
Event	9	Test Lines	7/1/2016	02:36:01	COM6	3450.00	8.39	0.00	1.7	ALL LINES HELD PRESSURE AT 3500 PSI
Event	10	Check weight	7/1/2016	02:40:08	COM6					WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES
Event	11	Pump Spacer 1	7/1/2016	02:41:38	COM6	123.00	8.34	1.70	2.1	8.33 PPG FRESH WATER (20BBL)
Event	12	Pump Lead Cement	7/1/2016	02:48:06	COM6	305.00	12.56	5.40	2.3	VARICEMCEM CEMENT 505 SKS (214 BBLS), 12.3 PPG, 2.38 FT3/SK, 13.77 GAL/SK
Event	13	Pump Tail Cement	7/1/2016	03:18:40	COM6	282.00	12.82	8.00	4.1	VARICEM CEMENT 190 SKS (71 BBLS), 12.8 PPG, 2.11 FT3/SK, 11.78 GAL/SK.
Event	14	Check weight	7/1/2016	03:20:07	COM6					WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES

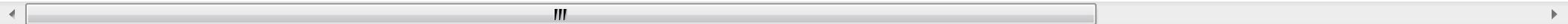
Event	15	Shutdown	7/1/2016	03:28:58	USER					END OF CEMENT
Event	16	Clean Lines	7/1/2016	03:31:29	USER					WASH UP PUMPS AND LINES ON TOP OF PLUG
Event	17	Drop Top Plug	7/1/2016	03:32:54	USER	55.00	13.22	1.70	1.1	PLUG WENT, VERIFIED BY CO REP
Event	18	Pump Displacement	7/1/2016	03:35:12	COM6	60.00	8.36	2.20	5.8	8.34 PPG FRESH WATER (200 BBLs)
Event	19	Slow Rate	7/1/2016	03:50:21	USER	481.00	8.25	8.00	113.9	TRANSFER WATER HOSE FROM UPRIGHT TO DAY TANK, RIG UNABLE TO TRANSFER WATER
Event	20	Slow Rate	7/1/2016	04:04:37	USER	772.00	8.26	8.00	195.7	SLOW RATE TO 4 BPM TO LAND PLUG
Event	21	Bump Plug	7/1/2016	04:09:20	COM6	1067.00	8.26	0.00	0.0	LAND PLUG AT 585 PSI, BROUGHT UP TO 1080 PSI
Event	22	Check Floats	7/1/2016	04:11:10	USER	1086.00	8.26	0.00	0.0	FLOATS HELD, 1 BBL BACK TO TRUCK
Event	23	End Job	7/1/2016	04:12:32	USER					RETURNS THROUGHOUT JOB, PIPE WAS NOT RECIPROCATED DURING THE JOB, 54 BBL OF CEMENT BACK TO SURFACE
Event	24	Post-Job Safety Meeting (Pre Rig-Down)	7/1/2016	04:15:00	USER					ALL HES PRESENT
Event	25	Pre-Rig Down Safety Meeting	7/1/2016	04:21:57	USER					ALL HES PRESENT
Event	26	Rig-Down Equipment	7/1/2016	04:22:05	USER					ALL HES PRESENT
Event	27	Pre-Convoy Safety Meeting	7/1/2016	05:15:00	USER					ALL HES PRESENT
Event	28	Crew Leave Location	7/1/2016	05:30:00	USER					THANK YOU FOR CHOOSING HALLIBURTON CEMENT, CHRIS SMITH AND CREW

WPX, FED GM 432-9, 9.625" SURFACE



DH Density (ppg) Comb Pump Rate (bbl/min) PS Pump Press (psi) Pump Stg Tot (bbl)

- ① Call Out      ④ Arrive At Loc      ⑦ Start Job      ⑩ Check weight      ⑬ Pump Tail Cement      ⑯ Clean Lines      ⑲ Slow Rate      22 Check Floats
- ② Pre-Convoy Safety Meeting      ⑤ Assessment Of Location Safety Meeting      ⑧ Fill Lines      ⑪ Pump Spacer 1      ⑭ Check weight      ⑰ Drop Top Plug      20 Slow Rate      23 End Job
- ③ Crew Leave Yard      ⑥ Pre-Job Safety Meeting      ⑨ Test Lines      ⑫ Pump Lead Cement      ⑮ Shutdown      ⑱ Pump Displacement      21 Bump Plug      24 Post-Job Safety Meeting



**HALLIBURTON** | iCem® Service

Created: 2016-07-01 01:55:19, Version: 4.2.393

Customer: WPX ENERGY LLC-EBUS  
 Representative: T.RAGSDALE

Job Date: 7/1/2016  
 Sales Order #: 903393043

Well: FED GM 432-9  
 ELITE 8: C.SMITH/A.ANGELO

WPX, FED GM 432-9, 9.625" SURFACE

