

# HALLIBURTON

iCem<sup>®</sup> Service

## **TERRA ENERGY PARTNERS**

United States of America, COLORADO

Date: Monday, March 11, 2019

### **SG 11-22**

Terra SG 11-22

API# 05-045-24128

Job Date: Monday, February 18, 2019

Sincerely,

**Grand Junction Cement Engineering**

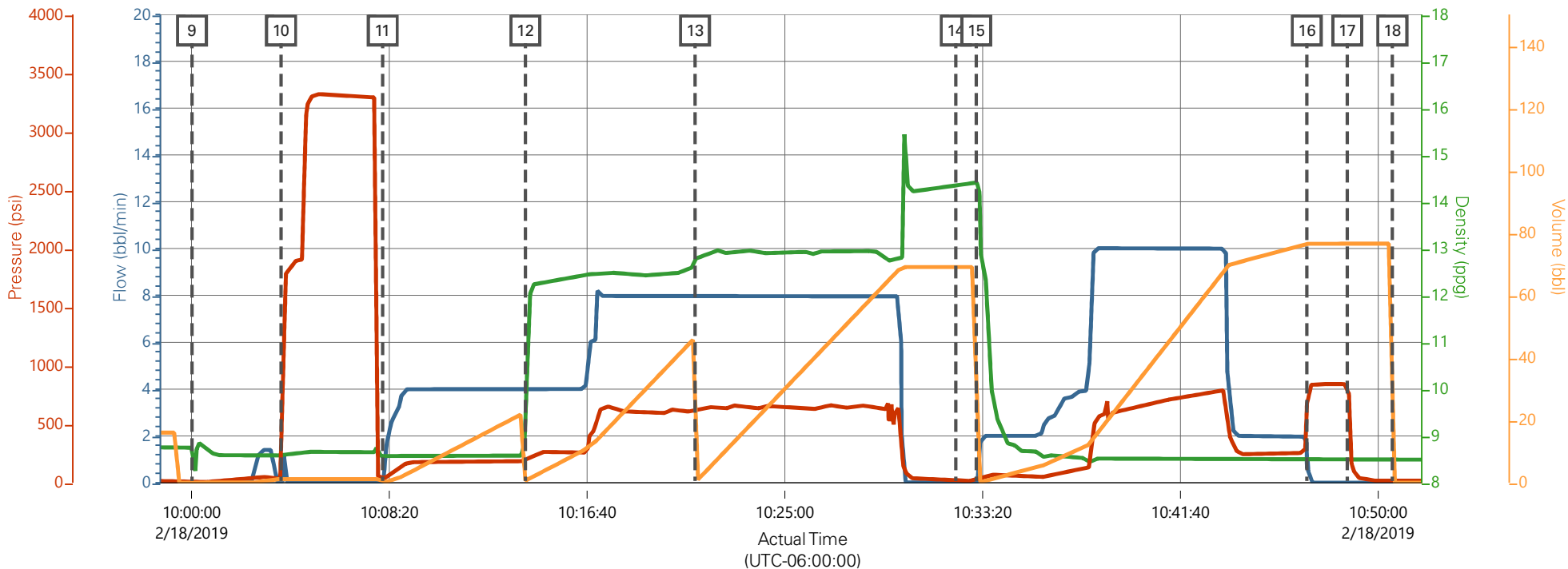
## 1.0 Real-Time Job Summary

### 1.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	Comb Pump Rate (bbl/min)	DH Density (ppg)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comments
Event	1	Call Out	2/18/2019	01:00:00	USER					REQUESTED ON LOCATION 2/18/19 @ 08:30
Event	2	Depart Yard Safety Meeting	2/18/2019	03:55:00	USER					JSA COMPLETED
Event	3	Crew Leave Shop	2/18/2019	04:00:00	USER					
Event	4	Arrive At Loc	2/18/2019	07:00:00	USER					RIG RIGGING UP CASERS
Event	5	Assessment Of Location Safety Meeting	2/18/2019	07:15:00	USER					JSA COMPLETED
Event	6	Pre-Rig Up Safety Meeting	2/18/2019	07:25:00	USER					JSA COMPLETED
Event	7	Rig-Up Equipment	2/18/2019	07:30:00	USER					
Event	8	Pre-Job Safety Meeting	2/18/2019	09:30:00	USER					JSA COMPLETED, PRESSURIZED MUD SCALES CALIBRATED TO FRESH WATER
Event	9	Start Job	2/18/2019	10:00:01	COM4					9 5/8"-32# CASING IN 13.5" OH, TD 1034', TP 1028.5', ST 49.2', MUD 9.5 PPG, WATER TEMP 50, PH 7 CHLORIDES 0
Event	10	Test Lines	2/18/2019	10:03:46	COM4			3000.00		TEST LINES TO 3000 PSI
Event	11	Pump Spacer 1	2/18/2019	10:08:03	COM4	4.00	8.33	170.00	20.00	20 BBLS FRESH WATER
Event	12	Pump Lead Cement	2/18/2019	10:14:04	COM4	8.00	12.30	600.00	42.40	42.4 BBLS LEAD CEMENT, 100 SKS @ 12.3 PPG / 2.38 YLD / 13.77 GAL/SK
Event	13	Pump Tail Cement	2/18/2019	10:21:13	COM4	8.00	12.80	630.00	65.80	65.8 BBLS TAIL CEMENT, 175 SKS @ 12.8 PPG / 2.11 YLD / 11.78 GAL/SK
Event	14	Drop Top Plug	2/18/2019	10:32:12	USER					PLUG AWAY
Event	15	Pump Displacement	2/18/2019	10:33:04	COM4	10.00	8.33	790.00	77.10	77.1 BBLS FRESH WATER DISPLACEMENT

Event	16	Bump Plug	2/18/2019	10:47:00	COM4	2.00	8.33	250.00	77.10	PLUG BUMPED AT CALCULATED, FINAL CIRCULATING PRESSURE 250 PSI @ 2 BBL/MIN, BROUGHT TO 840 PSI
Event	17	CHECK FLOATS	2/18/2019	10:48:42	COM4					FLOATS HELD, .5 BBL BACK TO PUMP
Event	18	End Job	2/18/2019	10:50:36	COM4					PIPE LEFT STATIC, GOOD RETURNS THROUGHOUT, 23 BBLS CEMENT TO SURFACE, 70# SUGAR USED, NO ADD HOURS CHARGED
Event	19	Pre-Rig Down Safety Meeting	2/18/2019	11:25:00	USER					JSA COMPLETED
Event	20	Rig-Down Equipment	2/18/2019	11:30:00	USER					
Event	21	Pre-Convoy Safety Meeting	2/18/2019	11:55:00	USER					JSA COMPLETED
Event	22	Crew Leave Location	2/18/2019	12:00:00	USER					THANK YOU FOR CHOOSING HALLIBURTON CEMENTING OF GRAND JUNCTION, CO - RYAN MARTIN AND CREW

# TERRA - FEDERAL SG 11-22 - 9 5/8" SURFACE CASING



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

Description	Actual Time (UTC-06:00:00)	Comb Pump Rate (bbl/min)	DH Density (ppg)	PS Pump Press (psi)	Pump Stg Tot (bbl)	
9 Start Job	10:00:01	0.00	8.75	12.00	0.00	
10 Test Lines	10:03:46	0.00	8.58	31.00	1.10	
11 Pump Spacer 1	10:08:03	0.00	8.56	33.00	0.00	
12 Pump Lead Cement	10:14:04	4.00	9.25	183.00	0.60	
13 Pump Tail Cement	10:21:13	8.00	12.77	607.00	46.50	
14 Drop Top Plug	10:32:12	0.00	14.37	16.00	69.10	
15 Pump Displacement	10:33:04	0.00	14.41	15.00	0.00	
16 Bump Plug	10:47:00	0.60	8.50	676.00	76.60	
17 CHECK FLOATS	10:48:42	0.00	8.51	842.00	76.60	
18 End Job	10:50:36	0.00	8.49	16.00	0.00	

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Created: 2019-02-18 08:00:08, (UTC-07:00), Version: 4.5.139

Edit

Customer : TERRA ENERGY PARTNERS

Job Date : 2/18/2019

Well : FEDERAL SG 11-22

Representative : CRAIG BORGSTEDE

Sales Order # : 905496222

ELITE #1 : KYLE ROGERS / RYAN MARTIN

# TERRA - FEDERAL SG 11-22 - 9 5/8" SURFACE CASING

