

**CHEVRON - MID-CONTINENT**  
**760 Horizon Dr**  
**Grand Junction, CO 81506**

**SKR 598-25-BV-21**

**Interval 2**  
**Garfield County, Colorado**

**Sales Order: 900681547**

## **Post Job Report**

**For: Kieth Hejl**  
**Date: Thursday, August 22, 2013**

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**HALLIBURTON**

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## 1.0 WELL INFORMATION

### 1.1 Customer Information

Customer	CHEVRON - MID-CONTINENT
Sales Order	900681547
Well Name	SKR
Rig Type	None
Interval	2
Well Number	598-25-BV-21
Job Date	22-Aug-2013
County	Garfield
State	Colorado
UWI/API	0504515430
Country	United States of America
H2S Present	Unknown
CO2 Present	No
Customer Representative	Kieth Hejl
Halliburton Representative	Swanson

**1.2 Pipe Information**

Equipment	Top MD ft	Bottom MD ft	OD in	ID in	Weight lb/ft
Surface Pipe	0.0	50.0	5.000	4.000	
Casing	0.0	4083.0	4.500	4.000	11.60

**1.3 Perforation Intervals**

Top MD ft	Bottom MD ft	Number of Shots	Perf Density spf	Perf Diameter in
3884.0	4034.0	27	0.2	0.340

## 2.0 PERFORMANCE HIGHLIGHTS

### 2.1 Job Summary

Start Time	22-Aug-13 12:30:40	
End Time	22-Aug-13 14:04:49	

SKR 598-25-BV-21 STAGE #2		
8/22/2013		
Engineering Notes		
Engineer on Location	Megan Sprot	
ISDP	1429	psi
Initial Pressure(Breakdown)	3027	psi
Max Pressure	6211	psi
Average Pressure	4016	psi
Max Rate	65.08	bpm
Average Rate	63.48	bpm
Proppant Design Volume	97,388	lbs
Proppant in Formation	95,900	lbs
FR-66 Used	44	gals
BE-7 Used	127	gals
SandWedge WF	97	lbs
SCW-4212 Used	24	gals
Clean Volume	3737	bbls
Start Time	12:59 PM	HH:MM
End Time	2:04 PM	HH:MM
Job Notes:		
Pumped to completion		

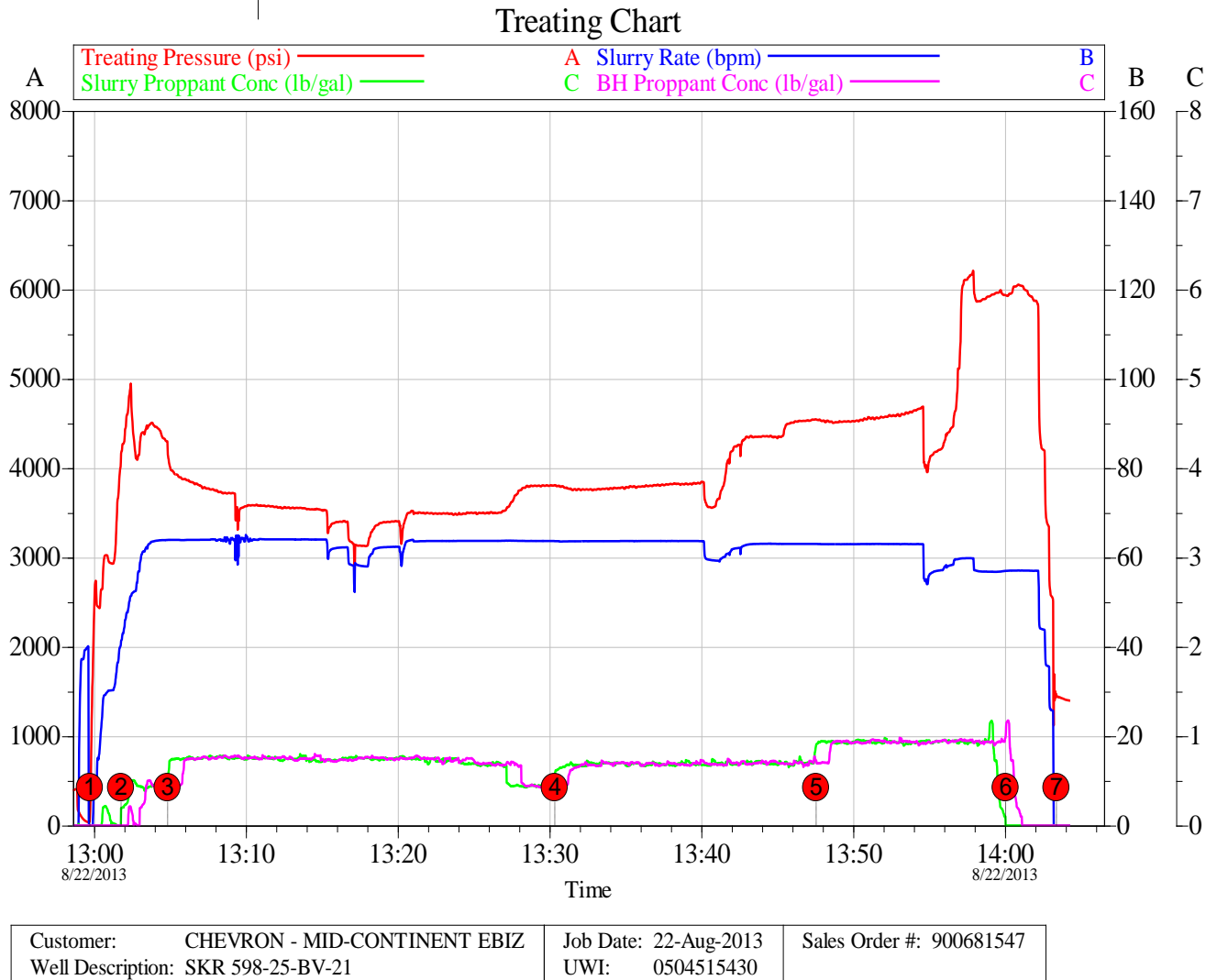
**2.2 Job Event Log**

Stage Number	Event Number	Time	Description	Comment	Treating Pressure psi	Slurry Rate bpm	Braden Pressure psi	Job Slurry Vol gal
	1	22-Aug-13 12:30:40	Start Job	Starting Job				
1		12:59:44	Stage 1	Pad	96	0.0	1	0
		12:59:45	Start Averaging	Start Avg Trt 1	168	0.0	1	0
	2	13:00:29	Other	False prop conc	2644	22.0	1	295
	3	13:00:48	Break Formation	Break Formation	3027	29.6	1	665
2		13:01:47	Stage 2	Proppant Laden Fluid	4164	40.6	2	2001
3		13:04:50	Stage 3	Proppant Laden Fluid	4209	63.9	0	9423
	4	13:09:21	Other	Pump blue-screened, neutralled to fix	3547	64.9	0	21553
	5	13:15:08	Other	Pump cavitating, shocked hose to fix issue	3533	64.0	1	37105
	6	13:17:07	Other	Pump cavitating, and other pump with blue screen issue is giving intermittent fail codes, breaking off to take to the yard for repairs.	3092	58.2	0	42229
	7	13:20:05	Other	Unit 7539 still cavitating, bringing down one gear and catching up the rate with the other units	3407	62.4	0	49791
	8	13:26:18	Other	Took FR back to a 0.2 setpoint as allowed by the customer	3496	63.7	-0	66380
	9	13:27:02	Other	Got a new bas fluid on the blender as the prop conc was showing too high	3523	63.8	-0	68343

Stage Number	Event Number	Time	Description	Comment	Treating Pressure psi	Slurry Rate bpm	Braden Pressure psi	Job Slurry Vol gal
4		13:30:21	Stage 4	Proppant Laden Fluid	3810	63.7	0	77177
	10	13:40:15	Other	Pump neutralled out	3629	60.1	-0	103691
	11	13:44:30	Other	Swapped BE totes	4355	63.1	-1	114661
5		13:47:33	Stage 5	Proppant Laden Fluid	4546	63.0	-0	122740
	12	13:54:37	Other	Pump cavitating, drop a gear and catch up rate with other units	4480	62.7	-1	141487
	13	13:57:56	Other	Drop rate due to increasing pressure	6108	59.8	-0	149537
6		14:00:02	Stage 6	Flush	5938	57.0	-1	154555
	14	14:03:16	Other	ISDP	1429	0.0	-2	161298
7		14:03:23	Stage 7	Shut-In	1441	0.0	-2	161298
		14:04:49	End Averaging	End Avg Trt 1	22	0.0	-1	161298
	15	14:04:52	End Job	Ending Job	22	0.0	-1	161298

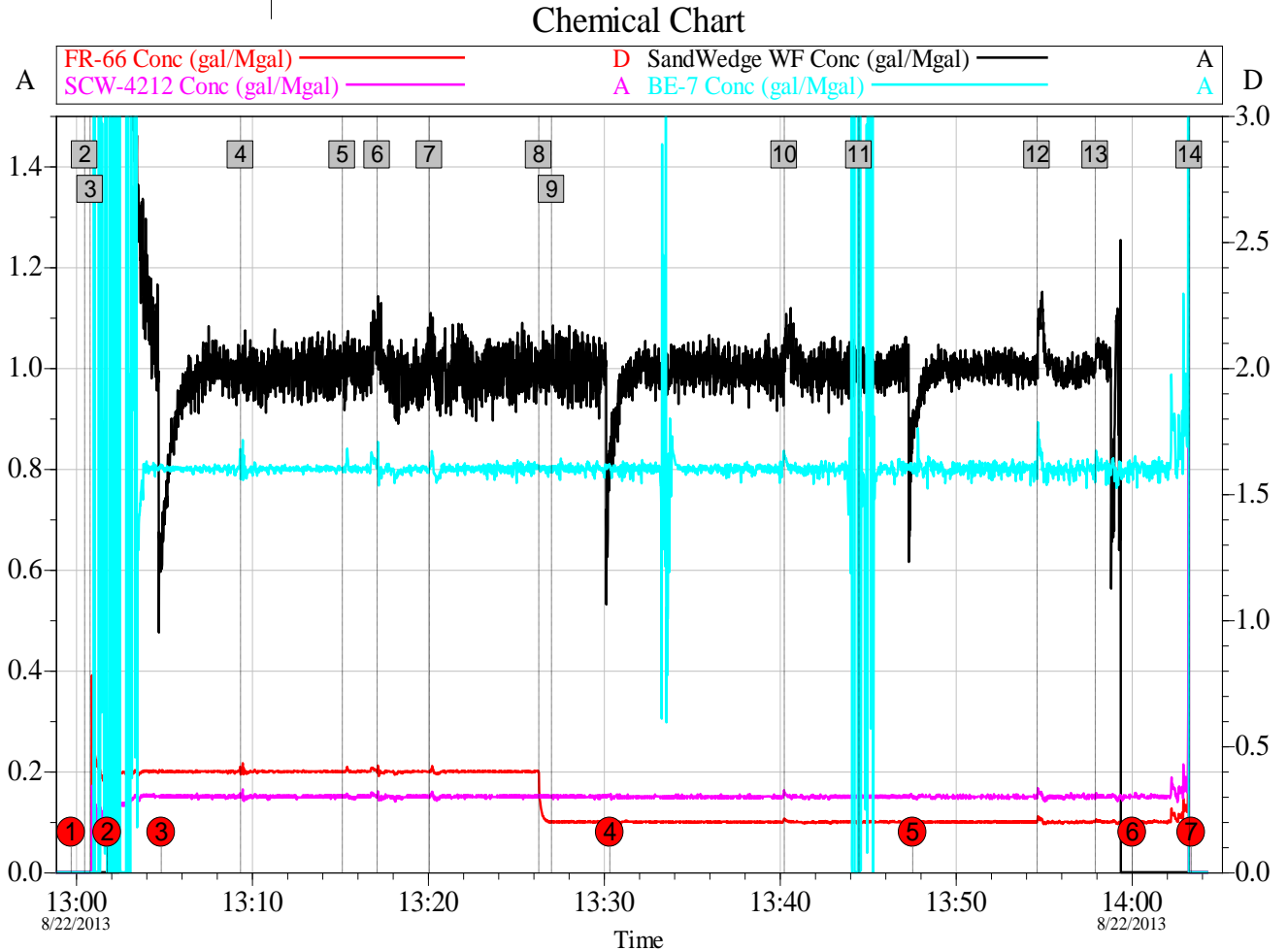
### 3.0 ATTACHMENTS

#### 3.1 Treating Chart



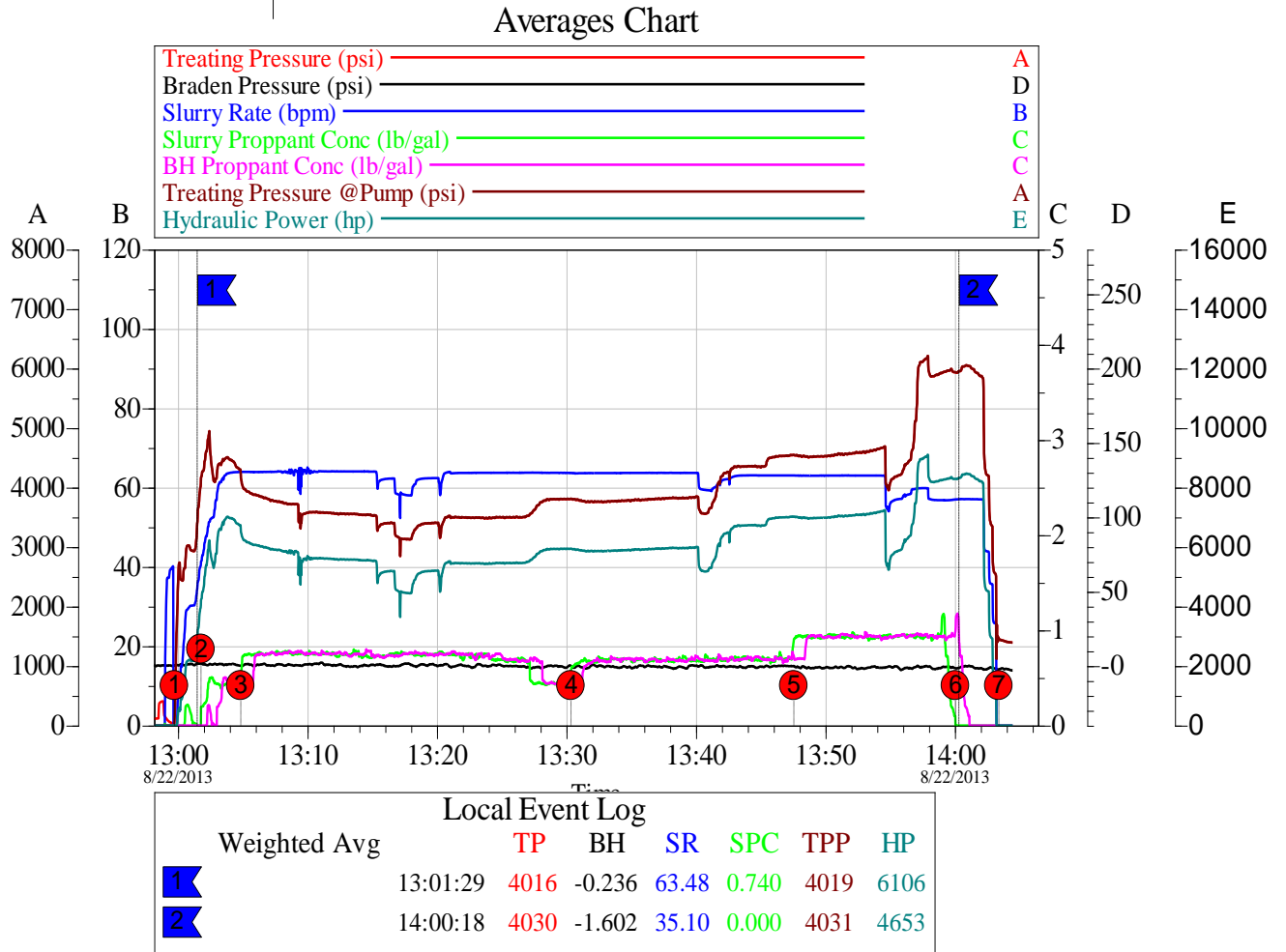


## 3.2 Chemical Chart



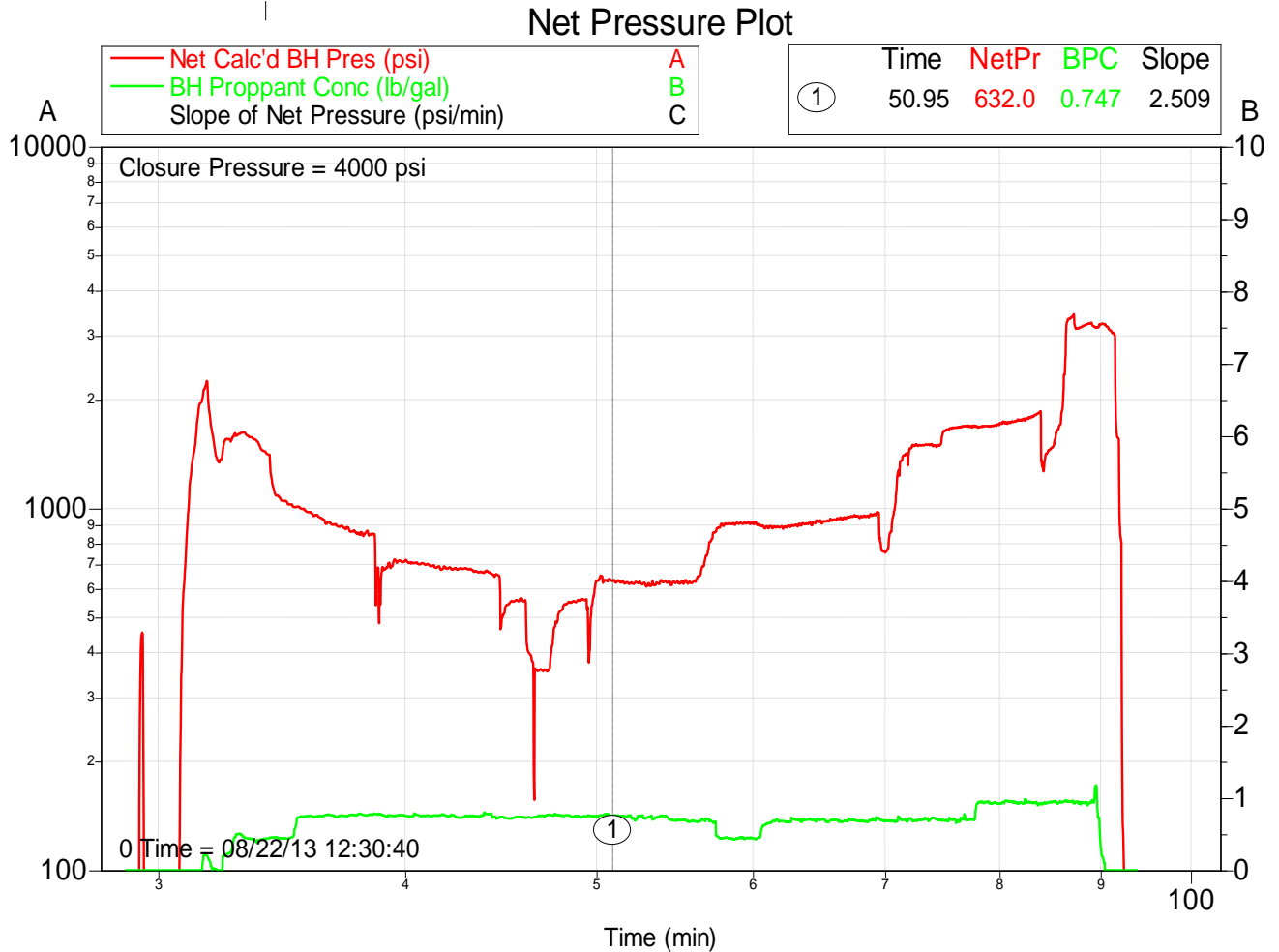
Customer: CHEVRON - MID-CONTINENT EBIZ	Job Date: 22-Aug-2013	Sales Order #: 900681547
Well Description: SKR 598-25-BV-21	UWI: 0504515430	

## 3.3 Averages Chart



Customer:	CHEVRON - MID-CONTINENT EBIZ	Job Date:	22-Aug-2013	Sales Order #:	900681547
Well Description:	SKR 598-25-BV-21	UWI:	0504515430		

### 3.4 Net Pressure Plot



Customer: CHEVRON - MID-CONTINENT EBIZ  
Well Description: SKR 598-25-BV-21

Job Date: 22-Aug-2013  
UWI: 0504515430

Sales Order #: 900681547