

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

SKR 598-25-AV-22

Interval 1
Garfield County, Colorado

Sales Order: 900621864

Post Job Report

For: Kieth Hejl
Date: Sunday, July 28, 2013

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HALLIBURTON

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1.0 WELL INFORMATION

1.1 Customer Information

Customer

CHEVRON - MID-CONTINENT EBIZ

Sales Order

900621864

Well Name

SKR

Well Number

598-25-AV-22

Job Date

28-Jul-2013

County

Garfield

State

Colorado

UWI/API

05045152570000

Country

United States of America

H2S Present

Unknown

Halliburton Representative

T. Nowak

1.2 Pipe Information

Equipment	Top MD ft	Bottom MD ft	OD in	ID in	Grade	Weight lb/ft
Surface Pipe	0.0	100.0	5.000	4.000		
Casing	0.0	4965.0	4.500	4.000	N-80	11.60

1.3 Perforation Intervals

Top MD ft	Bottom MD ft	Number of Shots	Perf Density spf	Perf Diameter in
4769.0	4962.0	30	0.2	0.350

2.0 ACTUAL STAGE SUMMARY

2.1 Stage Summary

Stage Number	Stage Time	Max Treat Pr psi	Max Slurry Rate bpm	Max Wellhead Rate bpm	Max Prop Conc lb/gal	Avg Treating Pressure psi	Avg Clean Rate bpm
1	28-Jul-13 09:08:36	4084	46.4	46.4	0.14	2660	26.6
2	28-Jul-13 09:13:02	5477	56.6	56.6	0.35	5061	51.5
3	28-Jul-13 09:46:19	5222	64.1	64.1	0.60	4635	61.8
4	28-Jul-13 10:08:30	4473	64.1	64.1	0.80	4402	61.9
5	28-Jul-13 10:20:44	5632	64.0	64.0	1.03	4622	60.8
6	28-Jul-13 10:25:46	5275	53.2	53.2	0.51	4970	50.0
7	28-Jul-13 10:28:22	0	0.0	0.0	0.10	0	0.0

Stage Number	Stage Time	Avg Slurry Rate bpm	Clean Volume gal	Slurry Volume gal	Prop Mass 100*lb
1	28-Jul-13 09:08:36	26.7	2294	2306	2.66
2	28-Jul-13 09:13:02	52.3	9613	9749	29.95
3	28-Jul-13 09:46:19	63.4	86384	88561	479.62
4	28-Jul-13 10:08:30	64.0	57639	59602	432.37
5	28-Jul-13 10:20:44	63.4	31252	32600	297.02
6	28-Jul-13 10:25:46	50.4	7384	7433	10.66
7	28-Jul-13 10:28:22	0.0	0	0	0.00
Total			194567	200251	1252.28

3.0 PERFORMANCE HIGHLIGHTS

3.1 Treatment Summary

Start Time	28-Jul-13 06:57:00	
End Time	28-Jul-13 10:28:22	

SKR 598-25-AV-22 Stage 1		
7/28/2013		
Engineering Notes		
Engineer on Location	Drew Mogck	
ISDP	1676	psi
Initial Pressure(Breakdown)	2924	psi
Max Pressure	5632	psi
Average Pressure	4589	psi
Max Rate	64.1	bpm
Average Rate	63.98	bpm
Proppant Design Volume	127,200	lbs
Proppant in Formation	122,000	lbs
FR-66 Used	43	gals
BE-7 Used	150	gals
SandWedge WF Used	147	lbs
SCW-4212 Used	22	lbs

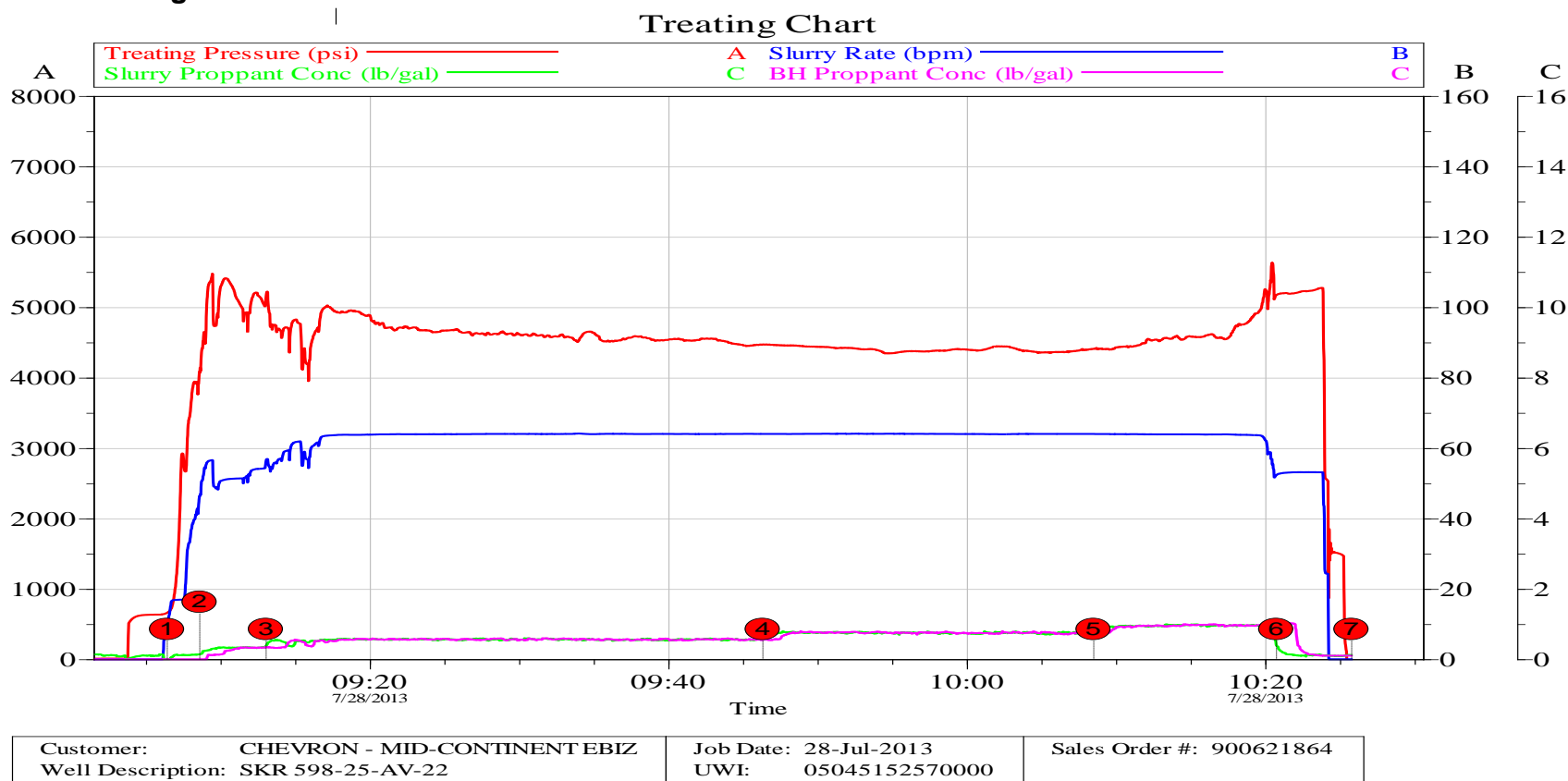
Clean Volume	4633	bbls
Start Time	9:06 AM	HH:MM
End Time	10:24 AM	HH:MM
Job Notes:		
Cut sand a little early due to pressure. Pumped 96% of designed proppant, flushed well successfully.		

3.2 Job Event Log

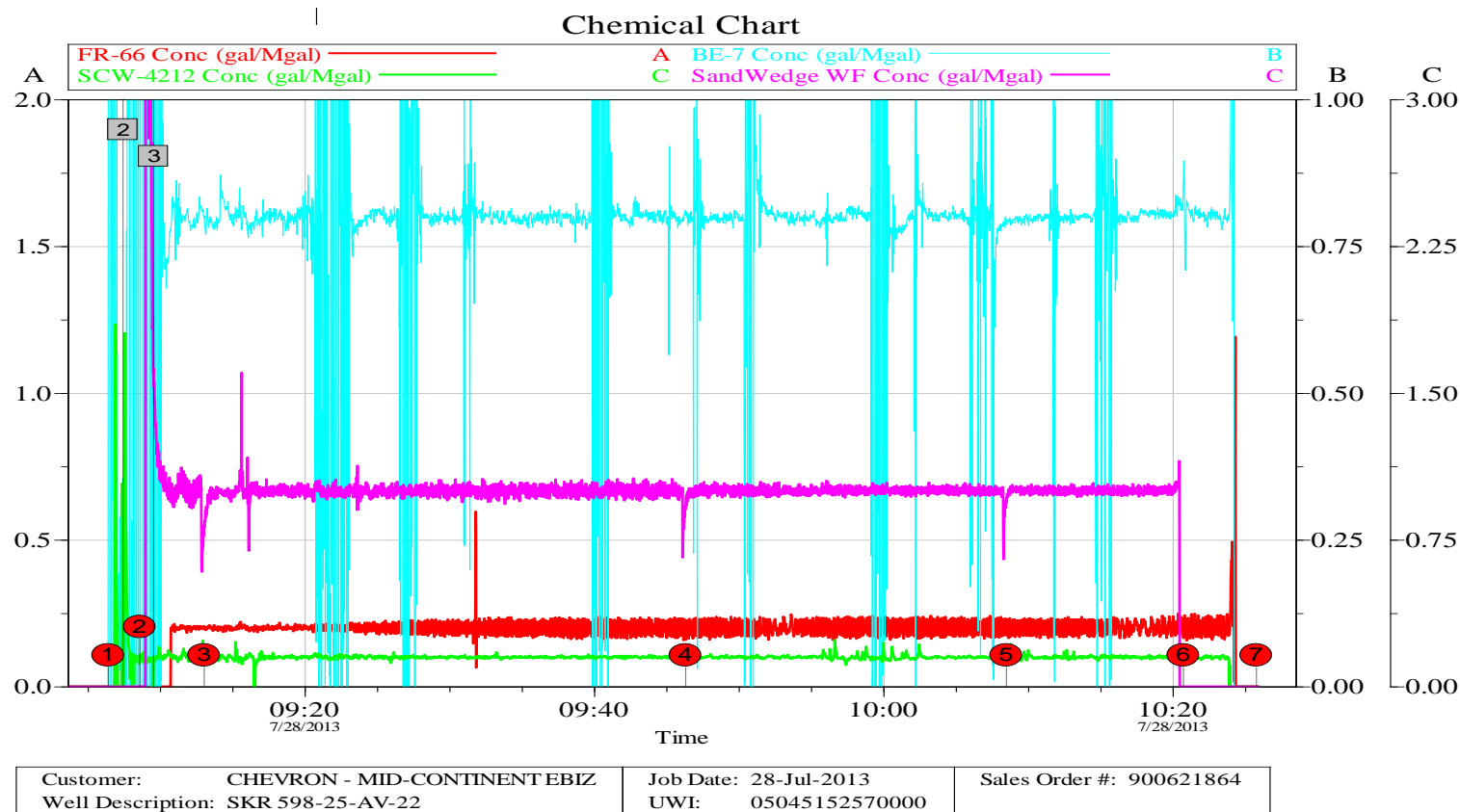
Time	Comment	Treating Pressure psi	Braden Pressure psi	Slurry Rate bpm	Treatment Clean Volume gal	Treatment Slurry Volume gal
28-Jul-13 06:57:00	Starting Job					
09:06:26	Pad	661	11	11.1	8	8
09:07:27	Break Formation = 2924 psi at 16.9 bpm	2924	12	16.9	671	674
09:08:37	Proppant Laden Fluid	4069	12	46.4	2294	2306
09:09:34	Rig saver tripped on pump	4735	12	49.0	4433	4469
09:13:03	Proppant Laden Fluid	5159	13	55.9	11908	12056
09:46:20	Proppant Laden Fluid	4471	12	64.0	98292	100617
10:08:31	Proppant Laden Fluid	4411	12	64.0	155931	160219
10:20:45	Flush	5173	12	52.2	187183	192819
10:25:47	Shut-In	-16	11	0.0	194567	200251
10:28:23	Ending Job	-51	11	0.0	194567	200251

4.0 ATTACHMENTS

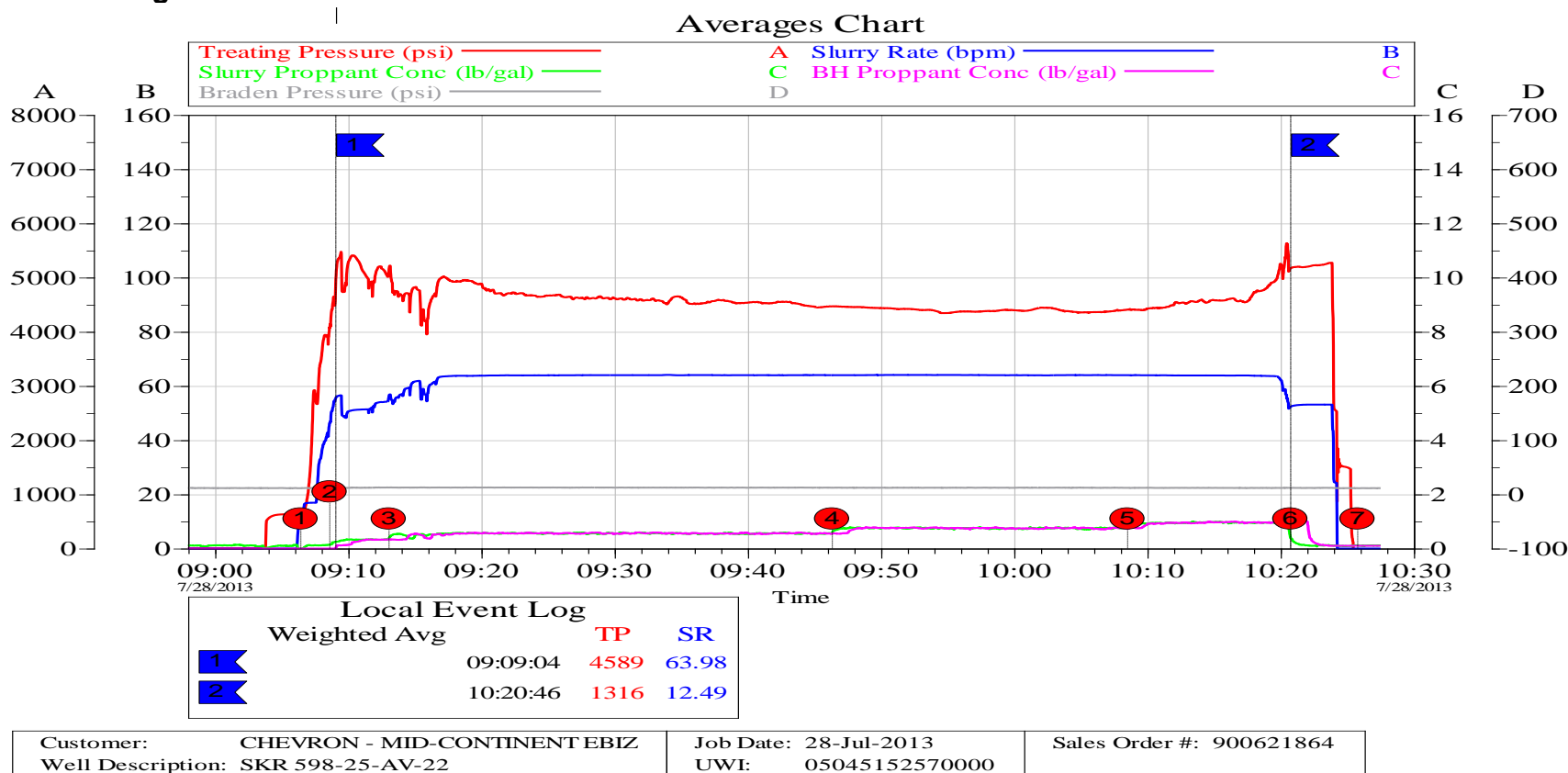
4.1 Treating Chart



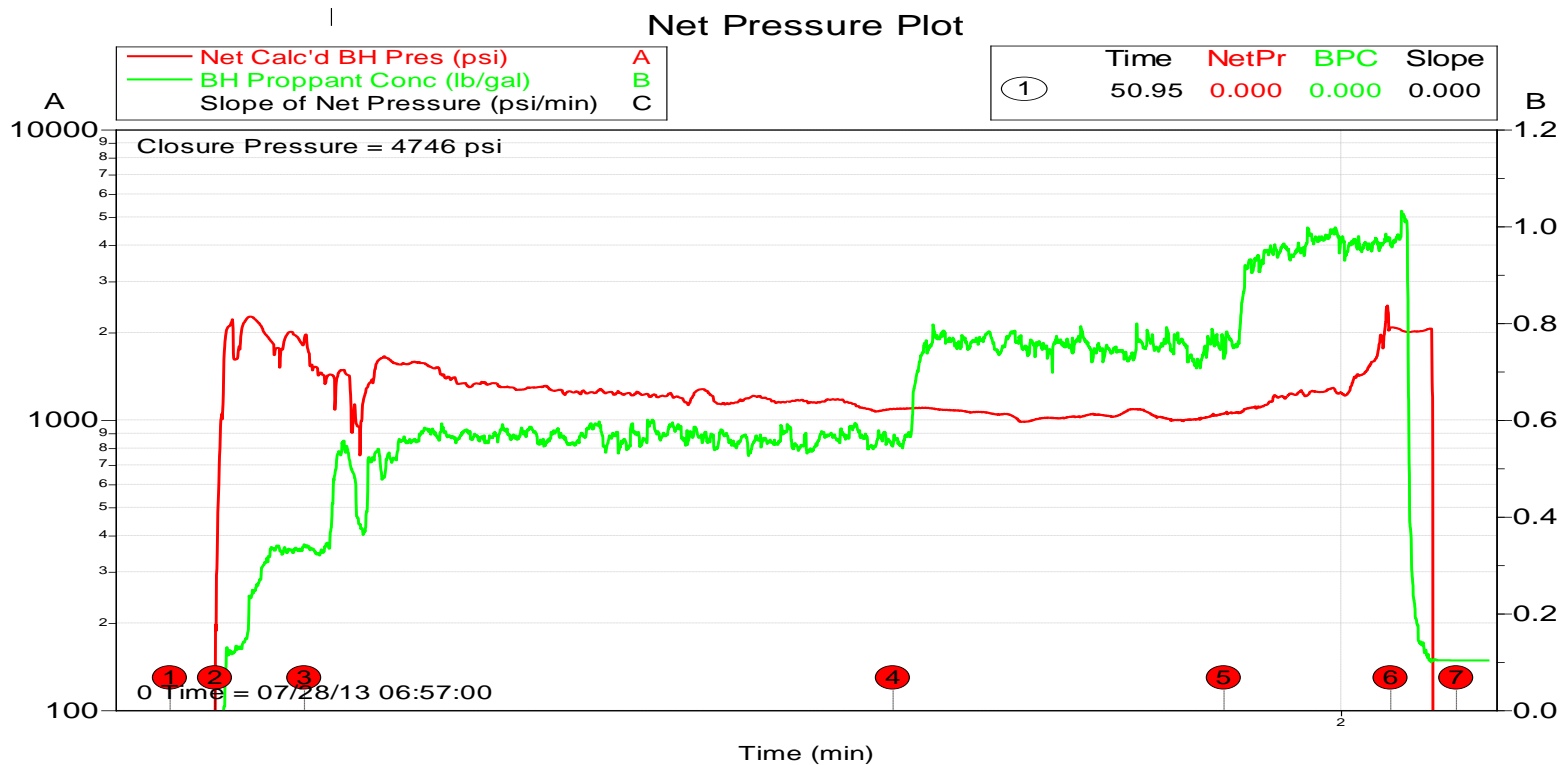
4.2 Chemical Chart



4.3 Averages Chart



4.4 Net Pressure Plot



Customer: CHEVRON - MID-CONTINENT EBIZ
Well Description: SKR 598-25-AV-22

Job Date: 28-Jul-2013
UWI: 05045152570000

Sales Order #: 900621864