

**SUMMARY - FRACTURING ZONE 11 TO 11**

Start Time: 10/14/22 2:39 PM  
End Time: 10/14/22 6:29 PM

AFE#: 22DC0050  
County: Uintah County  
Formation: Neslen

State: UT

SO Number: 92500  
Program #: FAM0009-1  
District: Grand Junction

**TUBING INFORMATION**

Tubular Type	OD	Weight	Grade	Top	Bottom
	[in]	[lb/ft]		[ft]	[ft]
5.5/20/HCP-110	5.50	20.00	HCP-110	Surface	12,670

**TREATMENT**

Volumes						Pressures		Slurry Rates		Exposure
Clean [Bbl]	Clean [gal]	Slurry [Bbl]	Slurry [gal]	Wireline [Bbl]	Pad [Bbl]	Max [psi]	Average [psi]	Max [bbl/min]	Average [bbl/min]	Time [hh:mm:ss]
16,845.1	707,495	16,871.6	708,607	0.0	15,651.8	5,570	5,160	75.6	75.3	3:49:03

**TECHNICAL**

Treatment					Shut in Pressures					
Opening [psi]	Annulus [psi]	Load Hole [Bbl]	Break [psi]	Rate @ Break [bbl/min]	ISIP [psi]	1 Min [psi]	5 Min [psi]	10 Min [psi]	15 Min [psi]	Frac Gradient [psi/ft]
2,781	108	N/A	3,960	10	3,533	3,481	0	0	0	0.77

Flush Volumes			Flush Pressures		Perforations			Miscellaneous		
Flush [Bbl]	Flush [gal]	Over/Under Flush [Bbl]	Max [psi]	Average [psi]	Displacement [Bbl]	Top Perf [ft]	Bottom Perf [ft]	TVD [ft]	Initial ISIP	Initial F.G.
244.2	10,256	4.2	5,134	4,834	240.0	10,812	10,956	10,530	2,986	0.72

**MATERIALS**

\*\*\*Note: Percent variance is reported as 0% if variance is within 1 gallon\*\*\*

Chemicals			
Chemical Name	Digital [gal] or [lbs]	Physical [gal] or [lbs]	Variance [%]
3rd Party, Biocide			
CalBreak™ 5600, Oxidizer Breaker			
CalSurf™ 9401, Flowback Surfactant	354.1	355.0	0.0%
CalTreat™ 7330, Clay Control	354.1	355.0	0.0%
DynaRate™ 6450, Friction Reducer			
DynaScale™ 3511, Scale Inhibitor	177.6	178.0	0.0%
CalVisc™ 6621, High Viscosity Friction Reducer	354.1	355.0	0.0%

Proppants					
Type	Pumped [lb]	Designed [lb]	Variance [%]	Minimum Conc. [ppg]	Maximum Conc. [ppg]
100 Mesh Northern White	24,600	24,625	0.1%	0.21	0.96
Total Proppant:	24,600	24,625			

**FLUIDS**

Base Fluid(s)		
Fluid Type	Amount [Bbl]	Amount [gal]
Fresh Water	16,845.1	707,495
<b>Total Fluid</b>	<b>16,845.1</b>	<b>707,495</b>

Fluid System(s)		
Type	Amount [Bbl]	Amount [gal]
CWS-600	16,845.1	707,495
<b>Total Fluid</b>	<b>16,845.1</b>	<b>707,495</b>

Stage Description		
Type	Amount [Bbl]	Amount [gal]
Pad	15,651.8	657,374
Sand	949.2	39,866
Flush	244.2	10,256
<b>Total Fluid</b>	<b>16,845.1</b>	<b>707,495</b>

**COMMENTS**

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