

Max. Frac Width at Per

0.31016

(in)

Avg. Hydraulic Frac Width

0.1569

(in)

SUMMARY TREATMENT SCHEDULE

Stage No. (-)	Slurry Rate (bpm)	Slurry Volume (U.S. gal)	Liquid Volume (U.S. gal)	Fluid Type (-)	Prop Type (-)	Conc. From (lbm/gal)	Conc. To (lbm/gal)	Prop. Stage Mass (lbm)
1	10	12000	12000	H009	0	0	0	0
2	10	5565.7	5000	H007	5	1	4	12500
3	10	7629.1	6000	H007	5	4	8	36000
4	10	2757.8	2000	H007	19	8	8	16000

Total Slurry Volume

27953

(U.S. gal)

Total Liquid Volume

25000

(U.S. gal)

Total Sand Mass

64500

(lbm)

Fluid Type H009 - WG-19 30# LINEAR GEL

Fluid Type H007 - BORAGEL G 3190

Proppant Type 0000 - 100 Sand Fld Loss

Proppant Type 0005 - 16/30 Brady Sand

Proppant Type 0019 - 16/30 Super LC

WELLBORE HYDRAULICS SOLUTION

(Calculated Values during the Treatment)

Hydraulic Power Required	621.75	(hhp)
Surface Pressure, Min.	2290.4	(psi)
Surface Pressure, Max.	2537.7	(psi)
BHP Pressure, Min.	2612	(psi)
BHP Pressure, Max.	2859.4	(psi)
Gravitational Head, Min.	-1564.8	(psi)
Gravitational Head, Max.	-1101	(psi)
Delta Loss Perfs., Min.	8.9337	(psi)
Delta Loss Perfs., Max.	12.697	(psi)
Frictional Pressure Loss., Min.	779.37	(psi)
Frictional Pressure Loss., Max.	1107.7	(psi)

PROPPANT DESIGN SUMMARY

Created Fracture Length EOJ

678.48

(ft)