



Dowell

Client : Santa Fe Energy Resources Inc
Well : Nagootee Peak 5-4
Formation : Devonian
District : HOBBS
Country : U.S.A.
Loadcase : Acq Load Case

Section 1: As Measured Pump Schedule

As Measured Pump Schedule										
Stg #	Stage Name	Slurry Volume (bbl)	Slurry Rate (bbl/min)	Pump Time (min)	Fluid Name	Fluid Volume (gal)	Proppant Name	Max Prop Conc (PPA)	Prop Conc (PPA)	Prop Mass (lb)
1	ACID	211.8	20.6	10.3	HCL 15%	8882	None	0.0	0.0	0
2	Diverter	35.7	7.4	4.8	WF140	1512	None	0.0	0.0	0
3	Pad	119.0	24.2	4.9	WF140	4983	None	0.0	0.0	0
4	Acid	238.1	29.8	8.0	HCL 15%	10010	None	0.0	0.0	0
5	Diverter	53.6	6.3	8.5	WF140	2256	None	0.0	0.0	0
6	Pad	238.1	32.9	7.2	WF140	9980	None	0.0	0.0	0
7	Acid	238.1	35.1	6.8	HCL 15%	10007	None	0.0	0.0	0
8	Diverter	71.4	6.5	10.9	WF140	3014	None	0.0	0.0	0
9	Pad	238.1	32.9	7.2	WF140	9980	None	0.0	0.0	0
10	Acid	238.1	35.1	6.8	HCL 15%	10000	None	0.0	0.0	0
11	Flush	238.1	35.1	6.8	Slick Water	10000	None	0.0	0.0	0
12	Uverflush	414.8	3.9	106.8	Slick Water	17447	None	0.0	0.0	0
13	Step-Rate	1851.9	13.5	137.2	Produced Wat	77778	None	0.0	0.0	0

As Measured N2 Pump Schedule				
Stg #	Stage Name	N2 Volume (Mscf)	N2 Rate (scf/min)	Injection Rate (bbl/min)
1	ACID	0.0	0	20.5
2	Diverter	0.0	0	7.5
3	Pad	0.0	0	24.1
4	Acid	0.0	0	29.8
5	Diverter	0.0	0	6.3
6	Pad	0.0	0	32.9
7	Acid	0.0	0	35.1
8	Diverter	0.0	0	6.6
9	Pad	0.0	0	32.9
10	Acid	0.0	0	35.1
11	Flush	0.0	0	35.1
12	Uverflush	0.0	0	3.9
13	Step-Rate	0.0	0	13.5

As Measured Totals					
Slurry (bbl)	Pump Time (min)	Clean Fluid (gal)	Proppant (lb)	N2 (Mscf)	Liquid 1 (gal)
4216.6	326.3	175839	0	0.0	0.0

Average Treating Pressure: 262 psi
Maximum Treating Pressure: 2147 psi
Average Injection Rate: 12.8 bbl/min
Maximum Injection Rate: 35.2 bbl/min
Maximum Horsepower: 1695.2 hhp
Maximum Prop Concentration: 0.0 PPA