



Dowell

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

Section 2: Message Log

#	Time	Message	Treating Pressure (psi)	Annulus Pressure (psi)	Total Slurry (bbl)	Slurry Rate (bbl/min)	Prop. Conc. (PPA)
1	10:02:57	Pressure Test Lines	4692	27	0.0	0.0	0.0
2	10:18:09	Started ACID	32	40	0.0	6.1	0.0
3	10:28:27	Started Diverter Manually	842	-1	241.8	22.4	0.0
4	10:33:16	Started Pad Automatically	1534	-1	277.6	6.3	0.0
5	10:38:11	Started Acid Automatically	1117	-1	396.6	30.0	0.0
6	10:40:01	Stage at Perfs: ACID	957	-1	451.7	30.1	0.0
7	10:46:11	Started Diverter Automatically	407	-1	634.8	14.7	0.0
8	10:50:33	Stage at Perfs: Diverter	1263	-1	663.0	6.0	0.0
9	10:54:42	Started Pad Automatically	1675	4	688.3	6.3	0.0
10	10:55:25	Stage at Perfs: Pad	1547	4	699.2	29.6	0.0
11	10:58:51	Stage at Perfs: Acid	1259	4	818.5	35.1	0.0
12	11:01:56	Started Acid Automatically	1131	4	926.8	35.1	0.0
13	11:05:37	Stage at Perfs: Diverter	723	8	1056.1	35.1	0.0
14	11:07:09	Stage at Perfs: Pad	325	8	1109.9	35.1	0.0
15	11:08:43	Started Diverter Automatically	238	4	1164.5	22.6	0.0
16	11:19:40	Started Pad Automatically	1831	8	1235.9	6.1	0.0
17	11:23:19	Stage at Perfs: Acid	1534	8	1348.7	35.0	0.0
18	11:26:54	Started Acid Automatically	1259	8	1474.4	35.2	0.0
19	11:30:05	Stage at Perfs: Diverter	888	8	1586.1	35.1	0.0
20	11:32:07	Stage at Perfs: Pad	348	8	1657.5	35.1	0.0
21	11:33:41	Started Flush Automatically	201	8	1712.4	35.2	0.0
22	11:38:55	Stage at Perfs: Acid	124	8	1896.1	35.1	0.0
23	11:40:28	Started Overflush Automatically	133	8	1950.5	35.1	0.0
24	11:45:42	Stage at Perfs: Flush	229	8	2134.1	35.1	0.0
25	13:27:13	Started Step-Rate Manually	18	8	2365.0	0.0	0.0
26	13:30:53	Stage at Perfs: Overflush	18	8	2371.9	10.1	0.0
27	14:11:32	Stage at Perfs: Step-Rate	0	17	2786.0	10.2	0.0

Section 3: Designed Pump Schedule Ramp

Designed Pump Schedule Ramp									
Stg #	Stage Name	Slurry Volume (bbl)	Pump Rate (bbl/min)	Pump Time (min)	Fluid Name	Fluid Volume (gal)	Prop Name	Prop Conc (PPA)	Prop Mass (lb)
1.	ACID	238.1	30.0	7.9	HCL 15%	10000		0.0	0
2.	Diverter	35.7	6.0	6.0	WF140	1500		0.0	0
3.	Pad	119.0	30.0	4.0	WF140	5000		0.0	0
4.	Acid	238.1	30.0	7.9	HCL 15%	10000		0.0	0
5.	Diverter	53.6	6.0	8.9	WF140	2250		0.0	0
6.	Pad	238.1	30.0	7.9	WF140	10000		0.0	0
7.	Acid	238.1	30.0	7.9	HCL 15%	10000		0.0	0
8.	Diverter	71.4	6.0	11.9	WF140	3000		0.0	0
9.	Pad	238.1	30.0	7.9	WF140	10000		0.0	0
10.	Acid	238.1	30.0	7.9	HCL 15%	10000		0.0	0
11.	Flush	238.1	30.0	7.9	Slick Water	10000		0.0	0
12.	Overflush	434.8	30.0	14.5	Slick Water	18262		0.0	0
13.	Step-Rate	2000.0	30.0	66.7	Produced Wat	84000		0.0	0
14.		238.1		7.9					0