

Well Name:	Location:	Customer Rep:	Field Order #
EWS-1	SEC 26, T8N, R60W	IRVIN MORSE	18409
Stage:	Formation:	Treat Via:	Allowable Pressure Tbg Csg Well Type:
	LYONS		
County:	State:	Well Age:	PackerType: PackerDepth: Csg Size:
WELD	CO		
Type Of Service:	ACID & INJECTION	Csg Depth:	Tbg Size: Tbg Depth: Liner Size:
Customer Name:	EXPEDITION WATER SOLUTIONS	Liner Depth:	Liner Top: Liner Bot: Total Depth:
Address:		Open Hole:	Csg Vol: BHT:
Remarks:	SAFETY MEETING 2400 LBS OF ROCK SALT ISIP@ 520 PSI VAC IN 2 MIN	Perf Depths:	Perfs: TotalPerfs:
		8087	9853 0 0
			0
			0
			0
			0
			0

TIME	INJECTION RATE		PRESSURE		REMARKS	PROP (lbs)	FOAM/FLD (gls)	FLUID (bbls)
	FLUID	N2/CO2	STP	ANNULUS				
9:18	0.2		17		SAFETY MEETING	0	0	0.0
9:23	0.1		174		PRESSURE TEST	0	0	0.0
9:28	0.0		1503		ST PUMP IN	0	3,276	78.0
9:34	5.8		104		HOLES LOADED	0	0	0.0
9:35	5.3		1076		ST ACID	0	1,250	30.0
9:37	5.9		1153		ST ROCK SALT	800	1,000	24.0
9:42	4.6		1024		ST ACID	0	1,250	30.0
9:45	9.2		1010		ST ROCK SALT	800	1,000	24.0
9:49	3.7		802		ST ACID	0	1,250	30.0
9:52	8.1		871		ST ROCK SALT	800	1,000	24.0
9:56	8.4		884		ST ACID	0	1,250	30.0
10:00	12.8		985		ST FLUSH	0	17,598	419.0
10:15	-0.5		379		ISIP =520 PSI	0	0	0.0
10:16	0.1		27		VAC IN 2 MIN	0	0	0.0
Total:						2,400	28,874	689.0

Summary

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
12.8	75.1	1,764	978

Customer Acknowledgement:	Service Rating:	Treater:	PRODUCTS USED
	<input type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory	QUINN	ROCK SALT, HCL, WATER, MAVHIB-10, IC-100,S-3



Date: 08-Oct-14

Well Name:	Location:	Customer Rep:	Field Order #		
EWS 1	SEC 26, T8N.R60W	IRVIN MORSE	18409B		
Stage:	Formation:	Treat Via:	Allowable Pressure Tbg Csg	Well Type:	
	LYONS	CASING		INJECTION	
County:	State:	Well Age:	PackerType:	PackerDepth:	Csg Size:
WELD	CO	NEW			7
Type Of Service:	INJECTION RATE	Csg Depth	Tbg Size:	Tbg Depth:	Liner Size:
Customer Name:	EXPEDITION WATER SOLUTIONS	Liner Depth:	Liner Top:	Liner Bot:	Total Depth:
Address:		Open Hole:	Csg Vol:	BHT:	
Remarks:	SAFETY MEETING PUMP CUSTOMER FULID ISIP@ 1310 PSI ISIP = 2ND 280 PSI VAC IN 1 MIN	Perf Depths:	Perfs:	TotalPerfs:	
		8087	9853	0	0
			0		
			0		
			0		
			0		
			0		
			0		

TIME	INJECTION RATE		PRESSURE		REMARKS	PROP (lbs)	FOAM/FLD (gls)	FLUID (bbls)
	FLUID	N2/CO2	STP	ANNULUS				
13:11	0.7		3311		PRESSURE TEST	0	0	0.0
13:11	1.9		28		ST PUMP IN	0	3,906	93.0
13:19	8.3		59		HOLE LOADED 10 BPM ON RATE	0	4,452	106.0
13:21	9.6		233		SLOWED DOWN TO 3 BPM	0	0	0.0
13:22	5.6		28		INCREASED RATE TO 10 BPM	0	0	0.0
13:29	10.2		355		INCREASED RATE TO 15 BPM	0	3,738	89.0
13:36	15.1		737		INCREASE RATE TO 20 BPM	0	5,292	126.0
13:42	21.5		1069		INCREASED RATE TO 25 BPM	0	6,090	145.0
13:48	26.6		1280		INCREASED RAT TO 30 BPM	0	6,846	163.0
13:54	30.1		1445		INCREASED RATE 35 BPM	0	5,712	136.0
13:58	35.6		1688		INCREASED RATE TO 40 BPM	0	7,602	181.0
14:02	39.9		1872		INCREASED RATE TO 50 BPM	0	7,938	189.0
14:07	50.3		2244		INCREASED RATE TO 60 BPM	0	7,266	173.0
14:10	50.9		2351		ISIP = 1310 PSI	0	0	0.0
14:11	4.8		1117		ST PUMPING AT 10 BPM	0	23,856	568.0
14:52	135.2		101		ISIP = 280 PSI	0	0	0.0
14:52	12.6		40		ON A VAC IN 1 MIN	0	0	0.0
Total:						0	82,698	1,969.0

Summary

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
135.2	19.3	3,314	836

Customer Acknowledgement:

Service Rating:

- ☐ Satisfactory
☐ Unsatisfactory

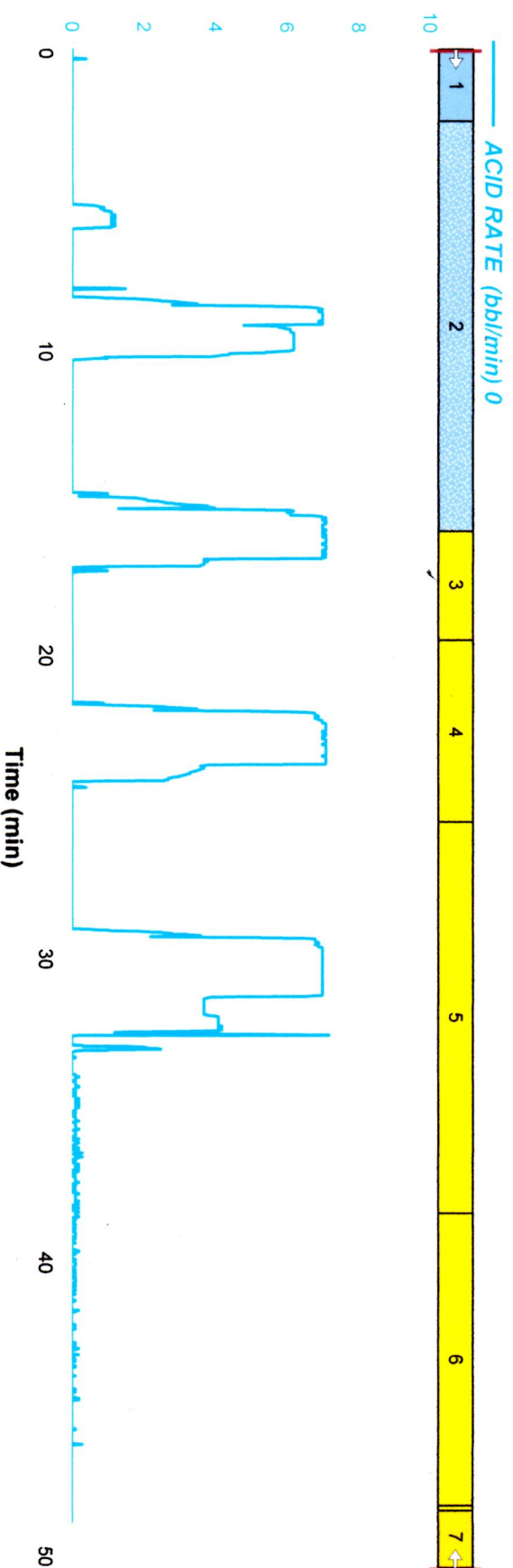
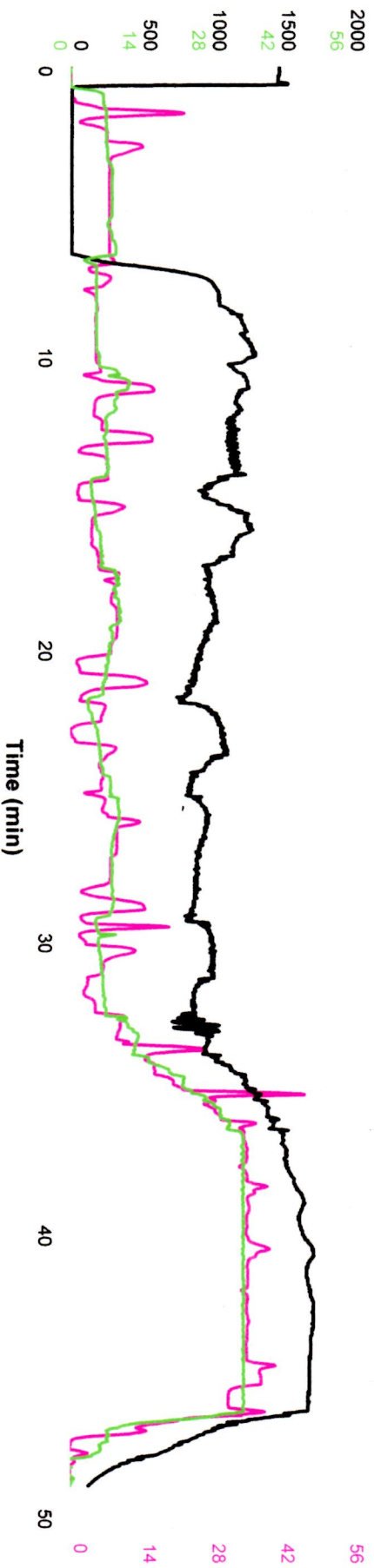
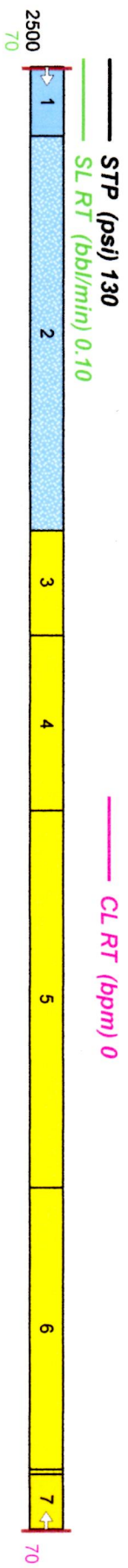
Treater:

QUINN

PRODUCTS USED

CUSTOMER PROVIDED FULID

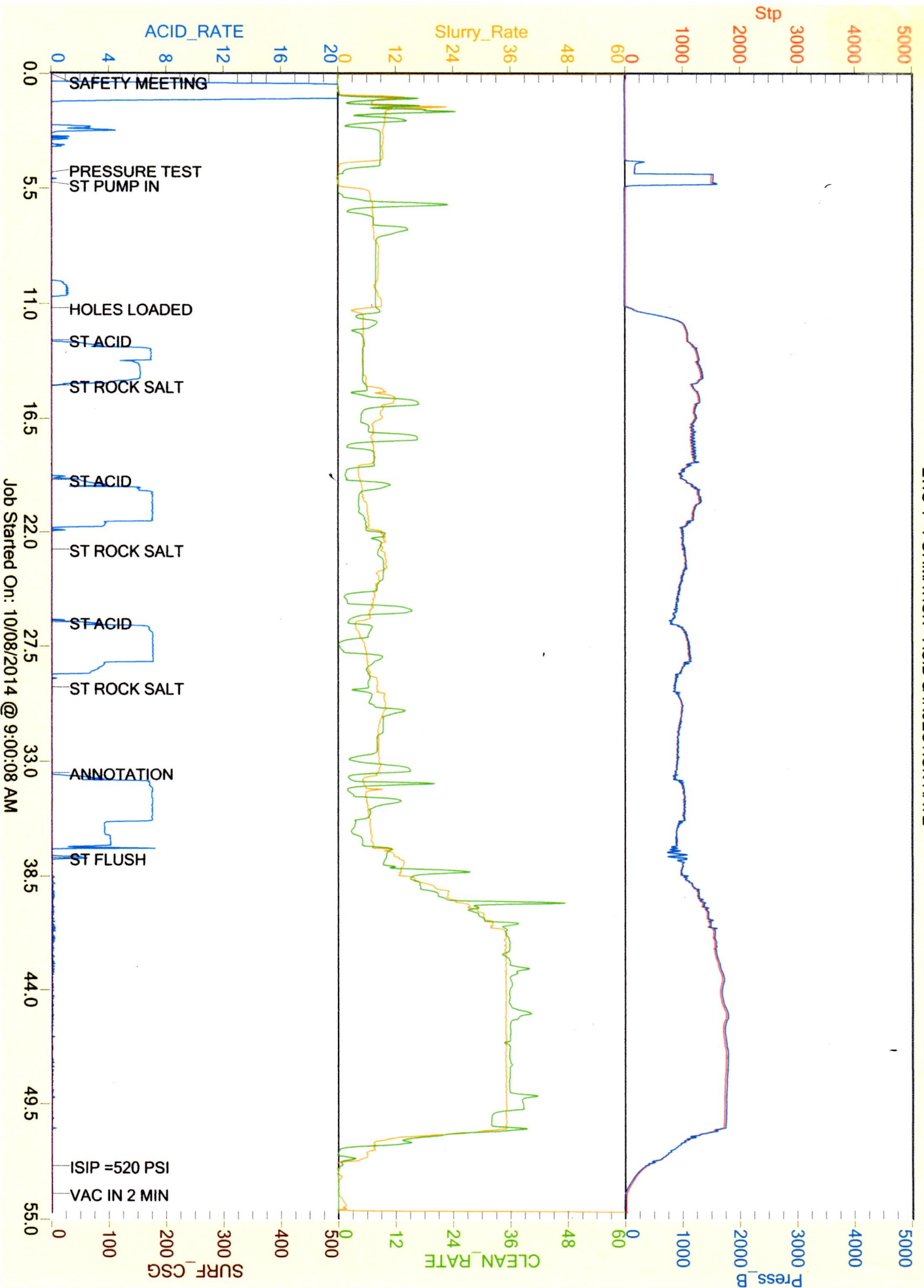
EWVS 1 SEC 26, T8N, R60W



ROCK SALT ACID JOB

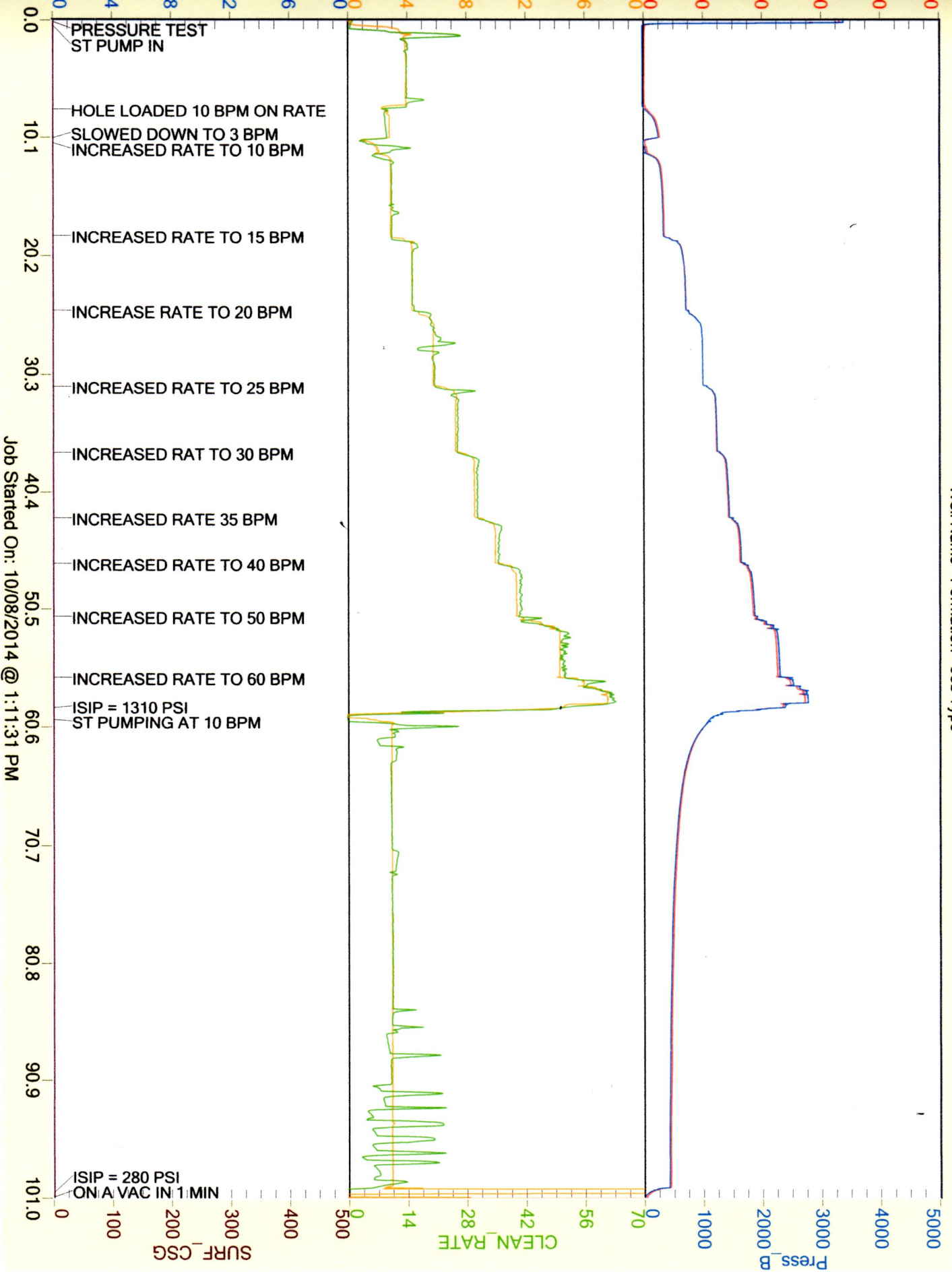
October 08, 2014

EXPEDITION WATER SOLUTIONS LLC
EWS-1 - FORMATION - ACID & INJECTION RATE

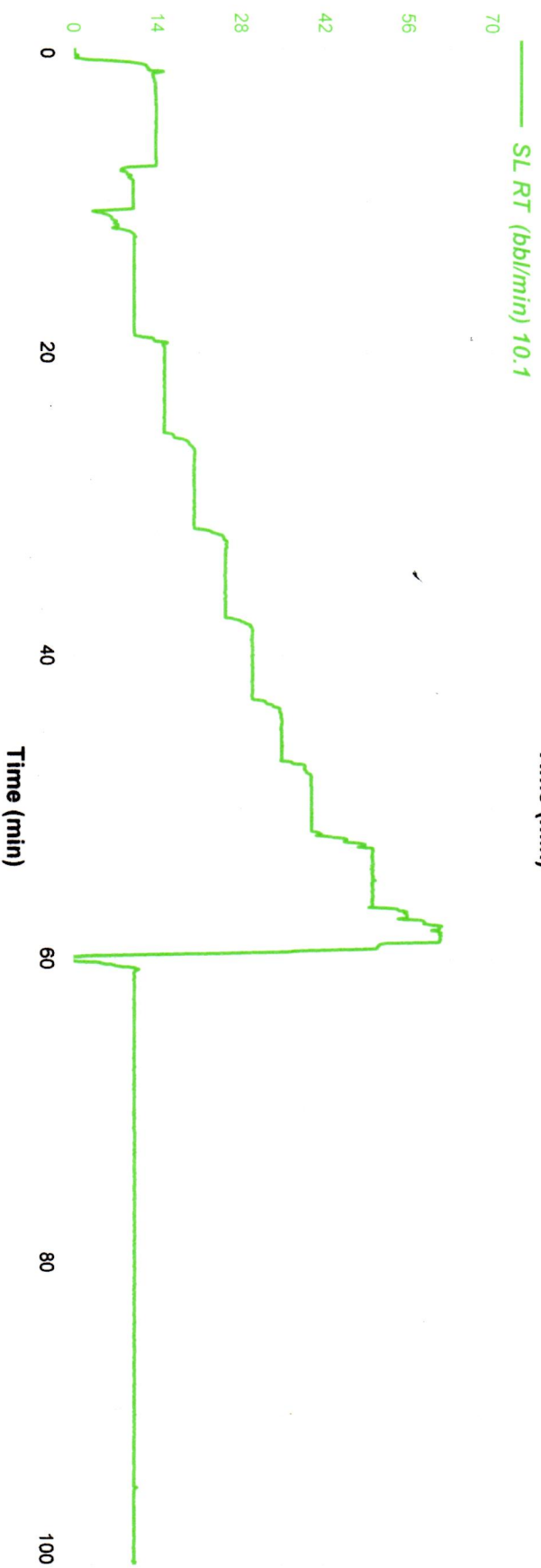
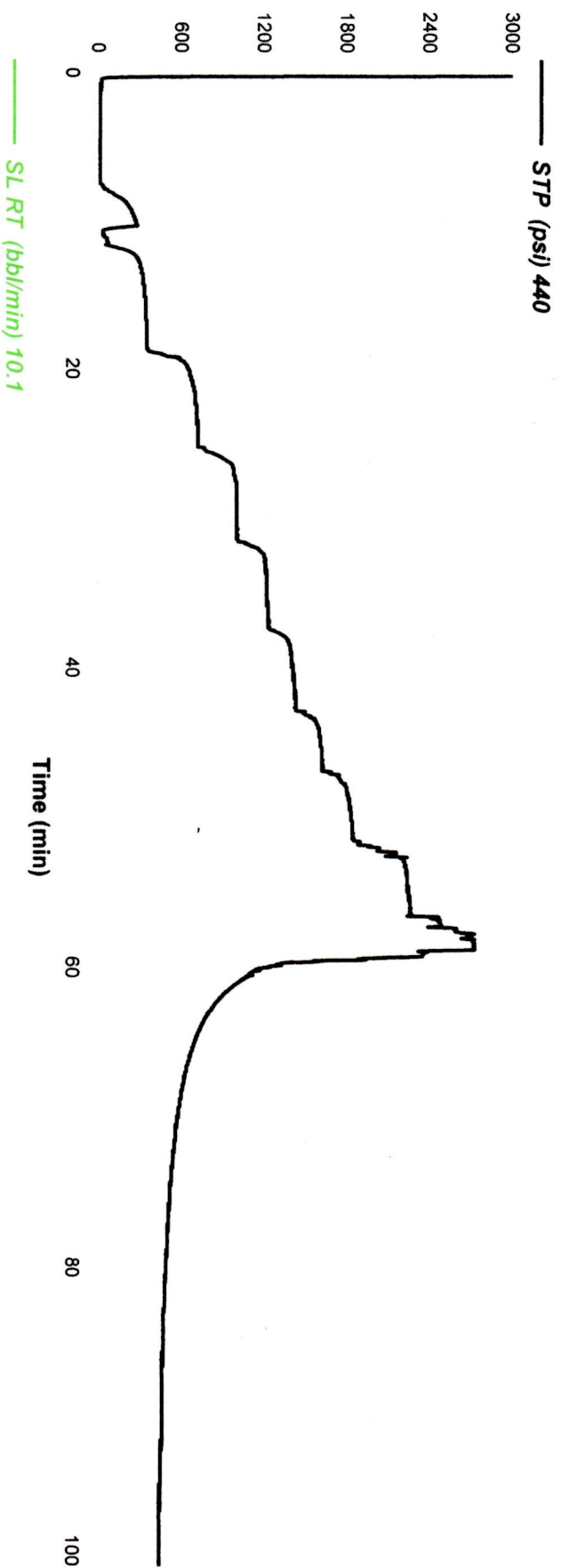


CUSTOMER

Well Name - Formation - Job Type



EWS 1 SRT SRT



October 08, 2014