



Date: 14-Mar-15

Well Name:	Location:	Customer Rep:	Field Order #
NGL C6A	SEC.30-T3N-R65W	IVY MORSE	18529
Stage:	Formation:	Treat Via:	Allowable Pressure Tbg Csg Well Type:
	MULTIPLE FORMATIONS	CASING	4,500 INJECTION
County:	State:	Well Age:	PackerType: PackerDepth: Csg Size:
WELD	CO	NEW	
Type Of Service:	15% HCL ROCKSALT JOB/SRT	Csg Depth:	Tbg Size: Tbg Depth: Liner Size:
		9,223	
Customer Name:	NGL WATER SOLUTIONS	Liner Depth:	Liner Top: Liner Bot: Total Depth:
Address:			9,223
		Open Hole:	Csg Vol: BHT:
			353
Remarks:	SAFETY MEETING; PRIME UP & PRESSURE TEST TO 5000 PSI 191 BBL PUMP-IN TO ESTABLISH INJECTION PMPED 4 STGS 30 BBL EACH 15% HCL ACID PMPED 3 STGS 24 BBL EACH ROCKSALT PMPED 519 BBL FLUSH,SHTDWN,ISIP=2224 PSI, 5 MIN=1500 PSI,10 MIN=1340 PSI, 15 MIN=1200 PSI SEE ADDL NOTES ON CHART	Perf Depths:	Perfs: TotalPerfs:
			0 0
			0
			0
			0
			0
			0

TIME	INJECTION RATE		PRESSURE		REMARKS	PROP (lbs)	FOAM/FLD (gls)	FLUID (bbls)
	FLUID	N2/CO2	STP	ANNULUS				
10:58	0.2		45		SAFETY MEETING	0	0	0.0
11:14	15.9		1573		PRIME UP & PRESSURE TEST TO 5000 PSI	0	0	0.0
11:16	13.1		1395		INITIAL PUMP-IN NOT ON CHART, 40 BPM @ 2	0	8,022	191.0
11:17	12.4		1401		1ST STG ACID	0	1,250	30.0
11:19	6.4		1308		1ST STG SALT	0	1,000	24.0
11:22	16.0		1364		ST 2ND STG ACID	0	1,250	30.0
11:25	10.6		1313		ST 2ND STG SALT	0	1,000	24.0
11:28	10.0		1362		ST 3RD STG ACID	0	1,250	30.0
11:30	12.3		1421		ST 3RD STG SALT	0	1,000	24.0
11:32	6.8		1279		ST 4TH STG ACID	0	1,250	30.0
11:35	23.2		1621		ST FLUSH, 519 BBL	0	21,798	519.0
11:41	43.1		2272		ACID ON	0	0	0.0
11:50	0.5		1641		SHUT DOWN, ISIP = 2224 PSI	0	0	0.0
11:55	0.0		1498		5 MIN = 1500 PSI	0	0	0.0
12:00			1335		10 MIN = 1340 PSI	0	0	0.0
12:05	0.0		1201		15 MIN = 1200 PSI	0	0	0.0
Total:						0	37,820	902.0

### Summary

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
43.1	25.2	2,498	1,743

Customer Acknowledgement:	Service Rating:	Treater:	PRODUCTS USED
	<input type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory	RONALD PETERSON	FORMIC ACID,IC-2,IC-1,S-3,IC-100, ACID INHIB-10,15% HCL ACID, BRINE & FLUSH WATER PROVIDED BY