# 255989



## CEMENT FIELD TICKET AND TREATMENT REPORT

Customer	G&J	State, County	1 01-1-1	Compant Time	7
Job Type	Long String	Section	Chautauqua , Kansas	Cement Type	CLASS A
Customer Acct#	3081	TWP		Excess (%)	30
Well No.	Brant 13-1			Density	13.7
Mailing Address	Diant 13-1	RGE		Water Required	<u> </u>
City & State		Formation	1	Yeild	1.26
		Hole Size	5 3/4	Slurry Weight	
Zip Code		Hole Depth	803'	Slurry Volume	<del>                                     </del>
Contact		Casing Size	2 7/8INCH,	Displacement	- ·
Email		Casing Depth			
Cell	·		794'	Displacement PSI	3
Dispatch Location	BARTLESVILLE	Drill Pipe	<del> </del>	MIX PSI	2
	BARTLESVILLE	Tubing		Rate	4bpm
JOQ8	Cement Fump Charges and Mileage	Quantity	Unit	Price per Unit	
5401	CEMENT PUMP (2 HOUR MAX)	1	2 HRS MAX	\$1,030.00	\$ 1,030.0
5406	EQUIPMENT MILEAGE (ONE-WAY)	30	PER MILE	\$4.00	\$120.0
5407	MIN. BULK DELIVERY (WITHIN 50 MILES)	1	PER LOAD	\$350.00	\$ 350.0
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
5402	FOOTAGE	794	PER FOOT	0.22	\$ 174.6
		1			
14	Cement, Chemicals and Water	T	, <u>.</u>	QUIPMENT TOTAL	\$ 1,674.6
1131	60/40 POZMIX CEMENT W/ NO ADDITVES (40% POZ)	<del> </del>			
1107A	OUT-O POZMIA CEMENT VV/ NO ADDITVES (40% POZ)	110	0	\$12.55	\$ 1,380.5
1110A	PHENOSEAL	40	0	\$1.29	\$ 51.6
	KOL SEAL (50 # SK)	550	0	\$0.46	\$ 253.0
1111	GRANULATED SALT (50#) SELL BY #	200	0	\$0.37	\$ 74.0
1118B	PREMIUM GEL/BENTONITE (50#)	350	0	\$0.21	\$ 73.5
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$
0		1	0	\$0.00	\$ -
0			Ö.		\$ -
<del></del>		<del></del>			
lu lu	Nater Transport			CHEMICAL TOTAL	\$ 1,832.60
0	rater (ransport	ļ			
0	<del></del>		0	\$0.00	\$ -
0		L	0	\$0.00	\$ -
V			0	\$0.00	\$ -
· · · · · · · · · · · · · · · · · · ·			TF	RANSPORT TOTAL	\$ -
<u> C</u>	ement Floating Equipment (TAXABLE)				· · · · · · · · · · · · · · · · · · ·
с	ement Basket			<del></del>	
0			0	\$0.00	\$ -
	Centralizer Contralizer				
0			0		\$ -
0			ŏ		\$ -
FI	loat Shoe			40.00	<u> </u>
0 [			0	60.00 T	and the state of t
	loat Collars	<del></del>		\$0.00	\$
0 1	ione obliga				
	uide Shoes		0	\$0.00	\$ -
0	une ordes				
			0		\$
	affle and Flapper Plates			<del></del>	2.1
0	-106	<u></u>	0	\$0.00	\$ -
	acker Shoes				5.49
0		<u> </u>	0		\$ -
	V Tools				
0			0	\$0.00	\$ -
	all Valves, Swedges, Clamps, Misc.				196
0			0		\$ -
0			0		\$ -
0			0		ş -
Ph	ugs and Ball Seelers		·	40.00	
4402	2 7/8 Rubber Plug	2	0	\$28.00	56.00
	ownhole Tools		<del></del>	Ψευ.υυ   1	
0		· · · · · · · · · · · · · · · · · · ·	0	\$0.00	<u> </u>
			CEMENT FLOATING EQ	\$0.00	56.00
	RIVER NAME		JAMEST LEGATING EQ	SUR TOTAL 13	3,563.28
DF	rk Sanders		8.30%	SUB TOTAL SALES TAX	3,563,28 156,75
577 Kir	Bryan Scullawl	1	/	TOTAL	3,720.03
577 Kir 398			15%	TOTAL (-DISCOUNT)	558.00
577 Kir	Harrison Ford	/			
577 Kir 398		/			
577 Kir 398		1/			\$ 3,162.03
577 Kir 398		1/			
577 Kir 398		1/			
577 Kir 398		THILE			

Customer	G&J	State, County	Chautaugua , Kansas	Cement Type	CLASS A
Customer Acct #	Long String	Section	0	Excess (%)	
Well No.	0	TWP		Density	13.7
Mailing Address	Brant 13-1	RGE	0	Water Required	13.7 0
City & State	0	Formation		Yeild	1.26
Zip Code	0	Hole Size	5 3/4	Slurry Weight	0
Contact	0	Hole Depth	803'	Slurry Volume	<u> </u>
Email	0	Casing Size	2 7/8INCH,	Displacement	4.6
Cell	0	Casing Depth	794'	Displacement PSI	300
Office	0	Drill Pipe		MIX PSI	200
Dispatch Location	BARTLESVILLE	Tubing		Rate	4bpm

Ran gel / LCM to establish circ., ran 110sx of 60/40 POZ w/ 2% Gel, 2# Salt, 5# Kol Seal, .40# Pheno. Flushed pump and lines, dropped 2 plugs and displaced 4.6bbl
to set. Shut in and washed up.
Circulated cement to surface
Had own water

CUSTOMER or AGENT(PLEASE PRINT)\_



#25/21/5

	G & J Well Service	Stage	ſ		4 4	
Customer Acct	# 3081	County	<del> </del>	Ob	11	
Well No.	Brant #13.1	Section	<del>                                     </del>	Chautauqua (	County, Ka	insas
Mailing Addres	8	TWP	· <del> </del>	1	5	
City & State				34	<u>s</u>	
Zip Code		RGE	<u> </u>	13	E	
Dispatch Local		Formation		Way	side	
	Dai tiesville	Perfs	748-758			
Code Coo	Vehicles, Equipment and Milesge	Quantity	Unit			
5303 5306	ACID PUMP CHARGE (1500 GALLON)	1	2 HRS MAX	Price per Uni 840.00		
531 <b>1</b>	EQUIPMENT MILEAGE (LOADED MILE)	35	PER MILE	4.00	\$	840
	BALL INJECTOR	1	PER JOB	100.00	\$	140
				100.00	\$	100
				†	\$	
		ļ			\$	
		<del> </del>			\$	<del></del>
					\$	
		<u> </u>			. \$	
		<del> </del>			\$	
			L	1001454	\$	
		T	EQ	JIPMENT TOTA	L \$	1,080
3107	15% HCL ACID (CHARGE FOR INHIBITOR IN ADDITION)	250	DED CALLON			
3175B	STIMFLO (FBA)	0.5	PER GALLON PER GALLON	2.40	\$	600,
3166	ACID INHIBITOR (AI-260)	0.5	PER GALLON	65.00 50.00	\$	32.
3171	IRON CONTROL (SP-950)	1	PER GALLON	40.00	\$	25.
		<del></del>	0.0	0.00	\$	40.
0			0.0	0.00	\$	
0			0.0	0.00	\$	<u>-</u>
			0.0	0.00	\$	
ō			0.0	0.00	\$	
0			0.0	0.00	\$	
0			0.0	0.00	\$	
0			0.0	0.00	\$	
			0.0	0.00	\$	-
	Water and Chemical Transport		CH	EMICAL TOTAL	. \$	697.5
0						
0			0.0	\$0.00	\$	
0			0.0	\$0.00	\$	
0		<del></del>	0.0	\$0.00	\$	
0			0.0	\$0.00 \$0.00	\$	
·				SPORT TOTAL	\$	
505	Frac Valves	T	1001	OI OINT TOTAL	D D	
5604	2 INCH FRAC VALVE	1	PER WELL	\$100.00	\$	100.0
<del></del> .				VALVE TOTAL	\$	
4000	Miscellaneous Costs			- ILIL TOTAL	Ψ.	100.00
4326	BALL SEALERS, 7/8 INCH, RCN (SG 1.3)	30	PER UNIT	\$3.00	\$	90.00
0 0			0	\$0.00	\$	90.00
<del></del>			0	\$0.00	\$	
			M	ISC. TOTAL	\$	90.00
DISCOUNT				SUB TOTAL		1,967.50
OD IF PAID WITHIN 3	() DAYS\	10%	MATERIA	LS DISCOUNT		196.75
a competition of	v entroj			SALES TAX		61
			DISCOU	NTED TOTAL	\$	1,777.4
			41152477311			1.1 ( 11 ' 1 '

I acknowledge that the payment terms, unless specifically amended in writing on the front of this form or in the customer's account records at our office, and conditions of service on the back of this form are in effect for services identified on this form



Customer	G&J	Weil Service		County	Chautauc	jua County, Kansas	Stage		1 OF 1
Customer Acct #				Section	<u> </u>	15	Formation	<del></del>	Vayside
Well No.	Br.	ant #13-1	7	TWP	<del>-</del>	348	TVD Perfs		_:
Mailing Address				RANGE	<del> </del> -	13E	MD Perfs	<del></del>	48-758
City and State							IND Peris		<del></del>
Zip Code			7	On Location			7		
Dispatch Location	Ba	rtlesville	$\neg$		<del></del>		-		
WELL DATA							<u></u>		
	TREA	TMENT THROUGH TUBING I	N CASING	T	.,		DRIVER		DRIVER
TVD OF PERI		MD OF PER		PLUG DEPTH (F		64	6 Tam S		
	CABING WEIGHT	THE TO TOP PERF(FF)		DISPL COEF (BBL/F)		67	7 Donnie T		
		1 2 2		near cost (BOCL)	Anchies (BBCs)	}	Chancy W	<del></del>	<del></del>
TURNOU SIZE (N)	TUBBIO WEIGHT	ID TO BOTTOM OF TURNS	G(I ID (INCHES)	DISPL COEF (BBL/F)	VOLUME (BBLS)		<del> </del>	<del>_</del>	
					, varyme (acce)		<del></del>	<del></del>	<del> </del>
	0		DISPLACEME	HT TO TOP PERF (BBLS)	<del> </del>		<b>!</b>	<del></del>	
<del></del>							<del> </del>	<del>-</del>	+
		CHEMICALS					<del> </del> -	<del></del>	<del></del>
	-	5% HCL ACID [CHARGE F		N 25	0		<del>                                     </del>	<del></del>	<del> </del>
<u> </u>	<del> </del>	<del></del>	O (FBA)	1			<del>                                     </del>	+	<del> </del>
	ļ		TOR (Al-260)	1				<del> </del>	<del> </del>
<u> </u>			ROL (SP-950)	1			<u> </u>		<del>                                     </del>
		<del></del>	· <del></del>	0				T -	
	<del> </del>	<del> </del> -	·	0				1	1
· · · · · · · · · · · · · · · · · · ·	<u></u>								
ET ANALYSIS (Opt	nnell	<del></del>							
FLUID WEIGHT			T	MAY POTOCUPO	· · · · · · · · · · · · · · · · · · ·				
HYDROSTATIC HEIGHT				MAX PRESSURE PRESSURE 1		ISDP		FRAC GRAD	<del></del>
FLUID SG				FRESSURE 1		5 MIN SIP		FLUID EFF (%	
	1	Į.	1	DODESTINE 1			,	7	
		J	-	PRESSURE 2		10 MIN SIP		CALC PERM	
HYDROSTATIC PRESS				PRESSURE 2 PRESSURE 3		10 MIN SIP 15 MN SIP		CALC PERM	
HYDROSTATIC PRESS		BREAKDOWN	PRESSURE	f -	S MIN	15 MN SIP	48 1191	<u></u>	
HYDROSTATIC PRESS  NAX PRESSURE		BREAKDOWN 110		PRESSURE 3	5 MIN 270	15 MN SIP	16 MW	30 MM	
HYDROSTATIC PRESS  NAX PRESSURE  UMMARY	MITTAL PRESSURE	110	×	PRESSURE 3 ISIP 330	5 MEN 270	15 MN SIP	<b>15 MM</b> 221	30 MM	
HYDROSTATIC PRESS  MAX PRESSURE  FUMMARY  TOTAL FLUID PUMPED	BITTAL PRESSURE 31 BBLS	110	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	PRESSURE 3  ISIP  330  400 PSI	<del></del>	15 MN SIP  10 MN  230		30 MM	
HYDROSTATIC PRESS  NAX PRESSURE  UMMARY	31 BBLS 0 LBS	MAX TI MIN TI	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	PRESSURE 3  #SIP  330  400 PSI 10 PSi	<del></del>	15 MN SIP  10 MN  230	220 FOAM QUALITY OF FOAM PUMPED	30 MM	
HYDROSTATIC PRESS  NAX PRESSURE  BUMMARY  TOTAL FLUID PUMPED  PROPPANT PUMPED  MAX RATE  MIN RATE	31 BBLS 0 LBS 3.7 BBL/MIN 2 BBL/MIN	MAX TI MIN TI	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	PRESSURE 3  ISIP  330  400 PSI	<del></del>	15 MN SIP  10 MN  230	220 FOAM QUALITY	30 MM	
HYDROSTATIC PRESS  NAX PRESSURE  UMMARY  OTAL FUILD PUMPED  PROPPANT PUMPED  MAX RATE	31 BBLS 0 LBS 3.7 BBLMIN	MAX TI MIN TI AVE TI	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	PRESSURE 3  #SIP  330  400 PSI 10 PSi	<del></del>	15 MN SIP  10 MN  230	220 FOAM QUALITY OF FOAM PUMPED TYPE OF FOAM	30 MW	
NAX PRESSURE  UMMARY  TOTAL FLUID PUMPED PROPPANT PUMPED MAX RATE MIN RATE	31 BBLS 0 LBS 3.7 BBL/MIN 2 BBL/MIN	MAX TI MIN TI AVE TI	REATING PRESSURE REATING PRESSURE REATING PRESSURE FLUID WEIGHT DROSTATIC HEIGHT	PRESSURE 3  ISIP 330  400 PSI 10 PSI 365  8.34 0.00	<del></del>	15 MN SIP 10 MN 230 230	FOAM QUALITY OF FOAM PUMPED TYPE OF FOAM Balloff Pressure	2,300	
NAX PRESSURE  UMMARY  TOTAL FLUID PUMPED PROPPANT PUMPED MAX RATE MIN RATE	31 BBLS 0 LBS 3.7 BBL/MIN 2 BBL/MIN	MAX TI MIN TI AVE TI	REATING PRESSURE REATING PRESSURE REATING PRESSURE FLUID WEIGHT PROSTATIC HEIGHT PROSTATIC PRESS	PRESSURE 3  1SIP 330  400 PSI 10 PSI 365  8 34 0.00 0.00	<del></del>	15 MN SIP  10 MN  230  AMOUNT  NUMBER (	FOAM QUALITY OF FOAM PUMPED TYPE OF FOAM Balloff Pressure OF BALLS PUMPED	2,300	
NOTORITATIC PRESS  MAX PRESSURE  UMMARY  TOTAL FLUID PUMPED  PROPPANT PUMPED  MAX RATE  MIN RATE  AVERAGE RATE	31 BBLS 0 LBS 3.7 BBL/MIN 2 BBL/MIN 3.3	MAX TI MIN TI AVE TI HY	REATING PRESSURE REATING PRESSURE REATING PRESSURE FLUID WEIGHT DROSTATIC HEIGHT	PRESSURE 3  ISIP 330  400 PSI 10 PSI 365  8.34 0.00	<del></del>	15 MN SIP  10 MN  230  AMOUNT  NUMBER (	FOAM QUALITY OF FOAM PUMPED TYPE OF FOAM Balloff Pressure	2,300	
NAX PRESSURE  UMMARY  TOTAL FLUID PUMPED PROPPANT PUMPED MAX RATE MIN RATE AVERAGE RATE	31 BBLS O LBS 3.7 BBL/MIN 2 BBL/MIN 3.3	MAX TI MIN TI AVE TI HY H'	REATING PRESSURE REATING PRESSURE REATING PRESSURE FLUID WEIGHT DROSTATIC HEIGHT YDROSTATIC PRESS FRAC GRADIENT FLUID TYPE	PRESSURE 3  1840  400 PSI 10 PSI 365  8.34 0.00 0.00 #DIV/OI	270	15 MN SIP  10 MN  230  AMOUNT  NUMBER (	FOAM QUALITY OF FOAM PUMPEL TYPE OF FOAM  Baltoff Pressure OF BALLS PUMPEC IALL ACTION SEEN	2,300	
NOTAL FUND PUMPED PROPPANT PUMPED MAX RATE MIN RATE AVERAGE RATE  TAGE  1	31 BBLS O LBS 3.7 BBL/MIN 2 BBL/MIN 3.3 CLEAN BBLS	110 MAX TI MIN TI AVE TI HY H'	REATING PRESSURE REATING PRESSURE REATING PRESSURE FLUID WEIGHT PROSTATIC HEIGHT PROSTATIC PRESS FRAC GRADIENT	PRESSURE 3  1840  400 PSI 10 PSI 365  8.34 0.00 0.00 #DIV/OI	270	15 MN SIP  10 MN  230  AMOUNT  NUMBER (	FOAM QUALITY OF FOAM PUMPEL TYPE OF FOAM  Baltoff Pressure OF BALLS PUMPEC IALL ACTION SEEN	2,300	TYPE
NOTATE PRESS  NAX PRESSURE  CUMMARY  TOTAL FLUID PUMPED  MAX RATE  MIN RATE  AVERAGE RATE  TAGE  1 2	31 BBLS O LBS 3.7 BBL/MIN 2 BBL/MIN 3.3 CLEAN BBLS 1 5	110 MAX TI MIN TI AVE TI HY HY DESIGN Spot Acid Balloff	REATING PRESSURE REATING PRESSURE REATING PRESSURE FLUID WEIGHT DROSTATIC HEIGHT YDROSTATIC PRESS FRAC GRADIENT FLUID TYPE	PRESSURE 3  1840 10 PSI 10 PSI 365 8.34 0.00 0.00 #DIV/0I  PRESSURE	270	15 MN SIP  10 MN  230  AMOUNT  NUMBER (	FOAM QUALITY OF FOAM PUMPEL TYPE OF FOAM  Baltoff Pressure OF BALLS PUMPEC IALL ACTION SEEN	2,300	
NOTAL FUND PUMPED PROPPANT PUMPED MAX RATE MIN RATE AVERAGE RATE  TAGE  1	31 BBLS O LBS 3.7 BBL/MIN 2 BBL/MIN 3.3 CLEAN BBLS	110 MAX TI MIN TI AVE TI HY H'	REATING PRESSURE REATING PRESSURE REATING PRESSURE FLUID WEIGHT PROSSTATIC HEIGHT PROSSTATIC PRESS FRAC GRADIENT FLUID TYPE Acid	PRESSURE 3  188P  330  400 PSI 10 PSI 365  8.34 0.00 0.00 #DIV/OI  PRESSURE 0-10	270 RATE 2-2.5	15 MN SIP  10 MN  230  AMOUNT  NUMBER (	FOAM QUALITY OF FOAM PUMPEL TYPE OF FOAM  Baltoff Pressure OF BALLS PUMPEC IALL ACTION SEEN	2,300	
NAX PRESSURE  SUMMARY  TOTAL FLUID PUMPED  MAX RATE  MIN RATE  AVERAGE RATE  1 2 3 4	31 BBLS O LBS 3.7 BBL/MIN 2 BBL/MIN 3.3 CLEAN BBLS 1 5	110 MAX TI MIN TI AVE TI HY HY DESIGN Spot Acid Balloff	REATING PRESSURE REATING PRESSURE REATING PRESSURE FLUID WEIGHT PROSTATIC HEIGHT PROSTATIC PRESS FRAC GRADIENT FLUID TYPE Acid Acid	PRESSURE 3  188P  330  400 PSI 10 PSI 10 PSI 365  8.34 0.00 0.00 #DIV/OI  PRESSURE 0-10 350-380	270  RATE  2-2.5  3.5-3.7	15 MN SIP  10 MN  230  AMOUNT  NUMBER (	FOAM QUALITY OF FOAM PUMPEL TYPE OF FOAM  Baltoff Pressure OF BALLS PUMPEC IALL ACTION SEEN	2,300	
WORDSTATE PRESS  WAX PRESSURE  UMMARY  TOTAL FLUID PUMPED  PROPPANT PUMPED  MAX RATE  MIN RATE  AVERAGE RATE   TAGE  1 2 3 4 5	31 BBLS O LBS 3.7 BBL/MIN 2 BBL/MIN 3.3 CLEAN BBLS 1 5	110 MAX TI MIN TI AVE TI HY HY DESIGN Spot Acid Balloff	REATING PRESSURE REATING PRESSURE REATING PRESSURE FLUID WEIGHT PROSTATIC HEIGHT PROSTATIC PRESS FRAC GRADIENT FLUID TYPE Acid Acid	PRESSURE 3  188P  330  400 PSI 10 PSI 10 PSI 365  8.34 0.00 0.00 #DIV/OI  PRESSURE 0-10 350-380	270  RATE  2-2.5  3.5-3.7	15 MN SIP  10 MN  230  AMOUNT  NUMBER (	FOAM QUALITY OF FOAM PUMPEL TYPE OF FOAM  Baltoff Pressure OF BALLS PUMPEC IALL ACTION SEEN	2,300	
WAX PRESSURE  UMMARY  TOTAL FLUID PUMPED  PROPPANT PUMPED  MAX RATE  MIN RATE  AVERAGE RATE  1 2 3 4 5 6	31 BBLS O LBS 3.7 BBL/MIN 2 BBL/MIN 3.3 CLEAN BBLS 1 5	110 MAX TI MIN TI AVE TI HY HY DESIGN Spot Acid Balloff	REATING PRESSURE REATING PRESSURE REATING PRESSURE FLUID WEIGHT PROSTATIC HEIGHT PROSTATIC PRESS FRAC GRADIENT FLUID TYPE Acid Acid	PRESSURE 3  188P  330  400 PSI 10 PSI 10 PSI 365  8.34 0.00 0.00 #DIV/OI  PRESSURE 0-10 350-380	270  RATE  2-2.5  3.5-3.7	15 MN SIP  10 MN  230  AMOUNT  NUMBER (	FOAM QUALITY OF FOAM PUMPEL TYPE OF FOAM  Baltoff Pressure OF BALLS PUMPEC IALL ACTION SEEN	2,300	
MAX PRESSURE  UMMARY  TOTAL FLUID PUMPED  PROPPANT PUMPED  MAX RATE  MIN RATE  AVERAGE RATE   1 2 3 4 5	31 BBLS O LBS 3.7 BBL/MIN 2 BBL/MIN 3.3 CLEAN BBLS 1 5	110 MAX TI MIN TI AVE TI HY HY DESIGN Spot Acid Balloff	REATING PRESSURE REATING PRESSURE REATING PRESSURE FLUID WEIGHT PROSTATIC HEIGHT PROSTATIC PRESS FRAC GRADIENT FLUID TYPE Acid Acid	PRESSURE 3  188P  330  400 PSI 10 PSI 10 PSI 365  8.34 0.00 0.00 #DIV/OI  PRESSURE 0-10 350-380	270  RATE  2-2.5  3.5-3.7	15 MN SIP  10 MN  230  AMOUNT  NUMBER (	FOAM QUALITY OF FOAM PUMPEL TYPE OF FOAM  Baltoff Pressure OF BALLS PUMPEC IALL ACTION SEEN	2,300	
WAX PRESSURE  UMMARY  TOTAL FLUID PUMPED  PROPPANT PUMPED  MAX RATE  MIN RATE  AVERAGE RATE  1 2 3 4 5 6	31 BBLS O LBS 3.7 BBL/MIN 2 BBL/MIN 3.3 CLEAN BBLS 1 5	110 MAX TI MIN TI AVE TI HY HY DESIGN Spot Acid Balloff	REATING PRESSURE REATING PRESSURE REATING PRESSURE FLUID WEIGHT PROSTATIC HEIGHT PROSTATIC PRESS FRAC GRADIENT FLUID TYPE Acid Acid	PRESSURE 3  188P  330  400 PSI 10 PSI 10 PSI 365  8.34 0.00 0.00 #DIV/OI  PRESSURE 0-10 350-380	270  RATE  2-2.5  3.5-3.7	15 MN SIP  10 MN  230  AMOUNT  NUMBER (	FOAM QUALITY OF FOAM PUMPEL TYPE OF FOAM  Baltoff Pressure OF BALLS PUMPEC IALL ACTION SEEN	2,300	
MAX PRESSURE  UMMARY  TOTAL FLUID PUMPED  PROPPANT PUMPED  MAX RATE  MIN RATE  AVERAGE RATE  1 2 3 4 5 6 7	31 BBLS O LBS 3.7 BBL/MIN 2 BBL/MIN 3.3 CLEAN BBLS 1 5	110 MAX TI MIN TI AVE TI HY HY DESIGN Spot Acid Balloff	REATING PRESSURE REATING PRESSURE REATING PRESSURE FLUID WEIGHT PROSTATIC HEIGHT PROSTATIC PRESS FRAC GRADIENT FLUID TYPE Acid Acid	PRESSURE 3  188P  330  400 PSI 10 PSI 10 PSI 365  8.34 0.00 0.00 #DIV/OI  PRESSURE 0-10 350-380	270  RATE  2-2.5  3.5-3.7	15 MN SIP  10 MN  230  AMOUNT  NUMBER (	FOAM QUALITY OF FOAM PUMPEL TYPE OF FOAM  Baltoff Pressure OF BALLS PUMPEC IALL ACTION SEEN	2,300	
MAX PRESSURE  UMMARY  TOTAL FLUID PUMPED  PROPPANT PUMPED  MAX RATE  MIN RATE  AVERAGE RATE  1 2 3 4 5 6 7	31 BBLS O LBS 3.7 BBL/MIN 2 BBL/MIN 3.3 CLEAN BBLS 1 5	110 MAX TI MIN TI AVE TI HY HY DESIGN Spot Acid Balloff	REATING PRESSURE REATING PRESSURE REATING PRESSURE FLUID WEIGHT PROSTATIC HEIGHT PROSTATIC PRESS FRAC GRADIENT FLUID TYPE Acid Acid	PRESSURE 3  188P  330  400 PSI 10 PSI 10 PSI 365  8.34 0.00 0.00 #DIV/OI  PRESSURE 0-10 350-380	270  RATE  2-2.5  3.5-3.7	15 MN SIP  10 MN  230  AMOUNT  NUMBER (	FOAM QUALITY OF FOAM PUMPEL TYPE OF FOAM  Baltoff Pressure OF BALLS PUMPEC IALL ACTION SEEN	2,300	
MAX PRESSURE  UMMARY  OTAL FLUID PUMPED  PROPPANT PUMPED  MAX RATE  MIN RATE  AVERAGE RATE  1 2 3 4 5 6 7	31 BBLS O LBS 3.7 BBL/MIN 2 BBL/MIN 3.3 CLEAN BBLS 1 5	110 MAX TI MIN TI AVE TI HY HY DESIGN Spot Acid Balloff	REATING PRESSURE REATING PRESSURE REATING PRESSURE FLUID WEIGHT PROSTATIC HEIGHT PROSTATIC PRESS FRAC GRADIENT FLUID TYPE Acid Acid	PRESSURE 3  188P  330  400 PSI 10 PSI 10 PSI 365  8.34 0.00 0.00 #DIV/OI  PRESSURE 0-10 350-380	270  RATE  2-2.5  3.5-3.7	15 MN SIP  10 MN  230  AMOUNT  NUMBER (	FOAM QUALITY OF FOAM PUMPEL TYPE OF FOAM  Baltoff Pressure OF BALLS PUMPEC IALL ACTION SEEN	2,300	
MAX PRESSURE  UMMARY  TOTAL FLUID PUMPED  PROPPANT PUMPED  MAX RATE  MIN RATE  AVERAGE RATE  1 2 3 4 5 6 7	31 BBLS O LBS 3.7 BBL/MIN 2 BBL/MIN 3.3 CLEAN BBLS 1 5	110 MAX TI MIN TI AVE TI HY HY DESIGN Spot Acid Balloff	REATING PRESSURE REATING PRESSURE REATING PRESSURE FLUID WEIGHT PROSTATIC HEIGHT PROSTATIC PRESS FRAC GRADIENT FLUID TYPE Acid Acid	PRESSURE 3  188P  330  400 PSI 10 PSI 10 PSI 365  8.34 0.00 0.00 #DIV/OI  PRESSURE 0-10 350-380	270  RATE  2-2.5  3.5-3.7	15 MN SIP  10 MN  230  AMOUNT  NUMBER (	FOAM QUALITY OF FOAM PUMPEL TYPE OF FOAM  Baltoff Pressure OF BALLS PUMPEC IALL ACTION SEEN	2,300	
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INDROSTATIC PRESS.  INAX PRESSURE  UMMARY  TOTAL FLUID PUMPED  MAX RATE  MIN RATE  AVERAGE RATE   1 2 3 4 5 6 7 8 8	31 BBLS O LBS 3.7 BBL/MIN 2 BBL/MIN 3.3 CLEAN BBLS 1 5	110 MAX TI MIN TI AVE TI HY HY DESIGN Spot Acid Balloff	REATING PRESSURE REATING PRESSURE REATING PRESSURE FLUID WEIGHT PROSTATIC HEIGHT PROSTATIC PRESS FRAC GRADIENT FLUID TYPE Acid Acid	PRESSURE 3  188P  330  400 PSI 10 PSI 10 PSI 365  8.34 0.00 0.00 #DIV/OI  PRESSURE 0-10 350-380	270  RATE  2-2.5  3.5-3.7	15 MN SIP  10 MN  230  AMOUNT  NUMBER (	FOAM QUALITY OF FOAM PUMPEL TYPE OF FOAM  Baltoff Pressure OF BALLS PUMPEC IALL ACTION SEEN	2,300	
MAX PRESSURE  UMMARY  TOTAL FLUID PUMPED  MAX RATE  MIN RATE  AVERAGE RATE   TAGE  1 2 3 4 5 6 7 8 8 13 14 15	31 BBLS O LBS 3.7 BBL/MIN 2 BBL/MIN 3.3 CLEAN BBLS 1 5	110 MAX TI MIN TI AVE TI HY HY DESIGN Spot Acid Balloff	REATING PRESSURE REATING PRESSURE REATING PRESSURE FLUID WEIGHT PROSTATIC HEIGHT PROSTATIC PRESS FRAC GRADIENT FLUID TYPE Acid Acid	PRESSURE 3  188P  330  400 PSI 10 PSI 10 PSI 365  8.34 0.00 0.00 #DIV/OI  PRESSURE 0-10 350-380	270  RATE  2-2.5  3.5-3.7	15 MN SIP  10 MN  230  AMOUNT  NUMBER (	FOAM QUALITY OF FOAM PUMPEL TYPE OF FOAM  Baltoff Pressure OF BALLS PUMPEC IALL ACTION SEEN	2,300	
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HYDROSTATIC PRESS  NAX PRESSURE  FUMMARY  TOTAL FLUID PUMPED  MAX RATE  MIN RATE  AVERAGE RATE   TAGE  1 2 3 4 5 6 7 8 8  13 14 15	31 BBLS O LBS 3.7 BBL/MIN 2 BBL/MIN 3.3 CLEAN BBLS 1 5	110 MAX TI MIN TI AVE TI HY HY DESIGN Spot Acid Balloff	REATING PRESSURE REATING PRESSURE REATING PRESSURE FLUID WEIGHT PROSTATIC HEIGHT PROSTATIC PRESS FRAC GRADIENT FLUID TYPE Acid Acid	PRESSURE 3  188P  330  400 PSI 10 PSI 10 PSI 365  8.34 0.00 0.00 #DIV/OI  PRESSURE 0-10 350-380	270  RATE  2-2.5  3.5-3.7	15 MN SIP  10 MN  230  AMOUNT  NUMBER (	FOAM QUALITY OF FOAM PUMPEL TYPE OF FOAM  Baltoff Pressure OF BALLS PUMPEC IALL ACTION SEEN	2,300	

Rigged up Spotted 50 gal hcl displaced then let sit 5 min broke well down ran 200 gal hcl with 30 ball sealers displaced balled well off surged balls then flushed with 25 bbl water and watched pressure for 15 min and shut in