## 

Confidentiality Requested:

Yes No

### KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1295064

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

# WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #		API No. 15				
Name:		Spot Description:				
Address 1:		SecTwpS. R				
Address 2:		Feet from North / South Line of Section				
City: State: 2	Zip:+	Feet from _ East / _ West Line of Section				
Contact Person:		Footages Calculated from Nearest Outside Section Corner:				
Phone: ()		□NE □NW □SE □SW				
CONTRACTOR: License #		GPS Location: Lat:, Long:				
Name:		(e.g. xx.xxxxxx) (e.gxxx.xxxxxx)				
Wellsite Geologist:		Datum: NAD27 NAD83 WGS84				
Purchaser:		County:				
Designate Type of Completion:		Lease Name: Well #:				
New Well Re-Entry	Workover	Field Name:				
		Producing Formation:				
Oil WSW SWD	☐ SIGW ☐ Temp. Abd.	Elevation: Ground: Kelly Bushing:				
☐ Gas ☐ D&A ☐ ENHR☐ OG ☐ GSW		Total Vertical Depth: Plug Back Total Depth:				
☐ OG ☐ GSW ☐ CM (Coal Bed Methane)	remp. Abd.	Amount of Surface Pipe Set and Cemented at: Feet				
Cathodic Other (Core, Expl., etc.):		Multiple Stage Cementing Collar Used? Yes No				
If Workover/Re-entry: Old Well Info as follows:		If yes, show depth set: Feet				
Operator:		If Alternate II completion, cement circulated from:				
Well Name:		feet depth to:w/sx cmt.				
Original Comp. Date: Original						
Deepening Re-perf. Conv. to I	<u>.</u>	Drilling Fluid Management Plan				
	GSW Conv. to Producer	(Data must be collected from the Reserve Pit)				
	_	Chloride content:ppm Fluid volume:bbls				
		Dewatering method used:				
		Downtoning motion dood.				
		Location of fluid disposal if hauled offsite:				
		Operator Name:				
GSW Permit #:		Lease Name: License #:				
Canad Data as Data Data LTD	Completion Data and	Quarter Sec Twp S. R				
Spud Date or Date Reached TD Recompletion Date	Completion Date or Recompletion Date	County: Permit #:				

#### **AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

**Submitted Electronically** 

KCC Office Use ONLY						
Confidentiality Requested						
Date:						
Confidential Release Date:						
Wireline Log Received						
Geologist Report Received						
UIC Distribution						
ALT I II III Approved by: Date:						



1295064 CORRECTION #1

Operator Name:				Lease N	lame: _			_ Well #:		
Sec Twp	S. R	East	West	County:						
open and closed, flow	ow important tops of fo ing and shut-in pressu o surface test, along w	res, whet	her shut-in pre	ssure reach	ned stati	c level, hydrosta	tic pressures, bo			
	g, Final Logs run to ob d in LAS version 2.0 o					gs must be ema	iled to kcc-well-lo	ogs@kcc.ks.go	v. Digital	electronic log
Drill Stem Tests Taker (Attach Additional S		Ye	s No			3	on (Top), Depth a			Sample
Samples Sent to Geo	logical Survey	Ye	s No		Name	9		Тор	L	Datum
Cores Taken Electric Log Run		☐ Ye ☐ Ye								
List All E. Logs Run:										
			CASING	RECORD	☐ Ne	w Used				
		Repor				rmediate, producti	on, etc.			
Purpose of String	Size Hole Drilled		e Casing (In O.D.)	Weig Lbs./		Setting Depth	Type of Cement	# Sacks Used		and Percent dditives
Burnogo	Depth					EEZE RECORD				
Purpose: Perforate	Top Bottom	Type	of Cement	# Sacks	Used	Type and Percent Additives				
Protect Casing Plug Back TD										
Plug Off Zone										
Did you perform a hydrau	ulic fracturing treatment or	this well?				Yes	No (If No, sk	ip questions 2 ar	nd 3)	
	otal base fluid of the hydra		_		-		No (If No, sh	rip question 3)		
Was the hydraulic fractur	ing treatment information	submitted	to the chemical o	disclosure reç	gistry?	Yes	No (If No, fil	out Page Three	of the ACC	)-1)
Shots Per Foot			D - Bridge Plug ach Interval Perl				cture, Shot, Cemen		d	Depth
TUBING RECORD:	Size:	Set At:		Packer At	:	Liner Run:				
							Yes No			
Date of First, Resumed	Production, SWD or ENH	R.	Producing Meth Flowing	nod: Pumping	9 🗌	Gas Lift C	other (Explain)			
Estimated Production Per 24 Hours	Oil B	bls.	Gas	Mcf	Wate	er Bl	ols.	Gas-Oil Ratio		Gravity
DIODOGITI	ON OF CAC	<u> </u>		AETUOD OF	001451	TION		DDODUGT		
Vented Sold	ON OF GAS: Used on Lease		pen Hole	METHOD OF Perf.	Dually	Comp. Con	nmingled	PRODUCTIO	λΝ ΙΝΙΕΚ\	/AL:
(If vented, Sul			ther (Specify)		(Submit A	ACO-5) (Subi	mit ACO-4)			

Form	ACO1 - Well Completion
Operator	Tailwater, Inc.
Well Name	North Kempnich 14-IWU
Doc ID	1295064

### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	9.8750	7	17	23	Portland	5	POZ
Production	5.6250	2.8750	6.45	724	Portland	99	50/50 POZ

### Summary of Changes

Lease Name and Number: North Kempnich 14-IWU

API/Permit #: 15-003-26238-00-00

Doc ID: 1295064

Correction Number: 1

Approved By: Karen Ritter

Field Name	Previous Value	New Value
i leiù ivallie	i levious value	ivew value

Approved By NAOMI JAMES Karen Ritter

Approved Date 11/03/2014 03/08/2016

CasingAdd\_Type\_PctP POZ

DF\_1

CasingPurposeOfString Completion Production

PDF\_2

../../kcc/detail/operatorE ../../kcc/detail/operatorE Save Link

> ditDetail.cfm?docID=12 ditDetail.cfm?docID=12

> > 95064 30493

**EOR** Well Type OIL



Confidentiality Requested:

Yes No

### Kansas Corporation Commission Oil & Gas Conservation Division

1230493

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

# CONFIDENTIAL WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15				
Name:	Spot Description:				
Address 1:	SecTwpS. R East West				
Address 2:	Feet from North / South Line of Section				
City:	Feet from _ East / _ West Line of Section				
Contact Person:	Footages Calculated from Nearest Outside Section Corner:				
Phone: ()	□NE □NW □SE □SW				
CONTRACTOR: License #	GPS Location: Lat:, Long:				
Name:	(e.g. xx.xxxxxx) (e.gxxx.xxxxxx)				
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84				
Purchaser:	County:				
Designate Type of Completion:	Lease Name: Well #:				
New Well Re-Entry Workover	Field Name:				
□ Oil □ WSW □ SWD □ SIOW	Producing Formation:				
Gas D&A ENHR SIGW	Elevation: Ground: Kelly Bushing:				
OG GSW Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:				
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet				
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No				
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet				
Operator:	If Alternate II completion, cement circulated from:				
Well Name:	feet depth to:w/sx cmt.				
Original Comp. Date: Original Total Depth:					
☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD	Drilling Fluid Management Plan				
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)				
Coversionaled Permit #	Chloride content: ppm Fluid volume: bbls				
☐ Commingled Permit #:	Dewatering method used:				
SWD Permit #:	Location of fluid disposal if hauled offsite:				
ENHR					
GSW Permit #:	Operator Name:				
_	Lease Name: License #:				
Spud Date or Date Reached TD Completion Date or	Quarter Sec.         TwpS.         R East West				
Recompletion Date Recompletion Date	County: Permit #:				

#### **AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

**Submitted Electronically** 

KCC Office Use ONLY
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

KOLAR Document ID: 1230493

#### Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	E	ast West	County:				
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No					
		B	CASING eport all strings set-c		New Used	ion, etc.		
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD			
Purpose:		epth T Bottom	ype of Cement	# Sacks Used		Type and F	Percent Additives	
Perforate Protect Casi Plug Back T								
Plug Off Zor								
Did you perform a     Does the volume     Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT
,	,			B.11 B1				
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.	Set	n.	i donei Al.				

Form	ACO1 - Well Completion
Operator	Tailwater, Inc.
Well Name	North Kempnich 14-IWU
Doc ID	1230493

### Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
2	13 Shots	52 BBLS H2O	611 to 617
2	21 Shots	52 BBLS H2O	651 to 661

Form	ACO1 - Well Completion
Operator	Tailwater, Inc.
Well Name	North Kempnich 14-IWU
Doc ID	1230493

### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	9.8750	7	17	23	Portland	5	
Completio n	5.6250	2.8750	6.45	724	Portland	99	50/50 POZ

3613A Y Road Madison, KS 66860 Ph: 620-437-2661 Fax: 620-437-2881

FED ID# 48-1214033 MC ID# 165290 HURRICANE SERVICES INC

104 Prairie Plaza Parkway Garnett, KS 66032 Ph: 785-448-3100 Fax: 785-448-3102

Remit to: Hurricane Services, Inc. 250 N. Water, Suite 200 Wichita, KS 67202

Customer:

MARTIN OIL PROPERTIES

% CHRISTIAN MARTIN
6421 AVONDALE DR., STE 212
OKLAHOMA CITY, OK 73116-6428

	the state of the s		
Date/Description	HRS/QTY	Rate	Total
See ticket 50400 of JB	1.000	675.000	675.00
Cement Pozmix 50/50	99.000	11.300	1,118.70 T
Gel 2%	198.000	0.300	59.40 T
Gel flush	200.000	0.300	60.00 T
Flocele	25.000	2.150	53.75 T
City water	4,600.000	0.013	59.80
Vac truck #108	1.000	84.000	84.00
Vac truck #111	1.000	84.000	84.00
Bulk truck #242	1.000	150.000	150.00
Top rubber plug 2 7/8"	1.000	25.000	25.00 T
10% Discount per Kevin Miller	1.000	236.960-	236.96-

PALD

Net Invoice

2,132.69

Sales Tax: (7.65%)

100.74

Total

2,233.43

All invoices are due upon receipt. Interest at the rate of 1 1/2% per month may be charged on all invoices not paid within 30 days from date of invoice.

WE APPRECIATE YOUR BUSINESS!

Hurricane Services, Inc. 104 Prairie Plaza Parkway Garnett, KS 66032 Office # 785-448-3100 Toll Free # 855-718-8027

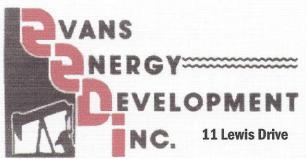


Ticket	Nº	50400
Location		
Foreman	Joa	Blanchard

Cement Service ticket

Date Customer #		Well Name &	Sec./T	ownship/Range	County	
9-25-14		N. Kempnich	14-IWU			Anderson
Customer	ail Pomerties	Mailing Address		City	State	Zip

ob Type:			Truck #	Driver
ONG STAILS	Casina To 724		26	Joe
lole Size: 57/8	Casing Size 278	Displacement: 4.2	231	Tom,
lole Depth: 734	Casing Weight:	Displacement PSI: 400	242	AMOS/TROY
ridge Plug:	Tubing:	Cement Left in Casing: o	108	Jeff / Jess
acker:	PBTD:		111	TYleR
			EXtra	Alex
Quantity Or Units	Description of	f Servcies or Product	Pump charge	
0 mi	Mileage Pumo trus	K # 231	\$3.25/Mile	NC
o Mi	Pick up &	¥2C	1.50	NC
U IIII	The up		1	140
99 SK	50/50 POZ N	niv	11.30	1118.70
198 LB	Prem Gel 29		.30	59.40
				1000
200 LB	Prem Gel Su	neeb	2.45	60.
25 LB	Flo Seal		d.	60.ºº 53. <sup>75</sup>
4600 Gal	Garnett water	0	1.3	59.00
1 hr	80 Vac #111		84.00	84.00
1 hc	80 VOC # 108	,	84.99	84.99
, nt	00 100		- OT	01.
4.1 Tons	Bulk Truck Minimum	Delivery	\$1.15/Mile	150.∞
			00	
l ea	Plugs 27/8 Top	Plug	25.00	25.50
		2.067.6		2,132.69
	10%	discount 236.96	Sales Tax	100.74
			Estimated Tot	al 2, 233.4
Followed by Flush pump.	Pump Plug to	ocer of 99 sks	0 15 66	1 Gel 5100
	Cement 1	o Surface.		



### Oil & Gas Well Drilling Water Wells Geo-Loop Installation

Phone: 913-557-9083 Fax: 913-557-9084

Paola, KS 66071

#### **WELL LOG**

Tailwater, Inc.
North Kempnich # 14-IWU
API #15-003-26,238

September 24 - September 25, 2014

Thickness of Strata	<b>Formation</b>	<u>Total</u>
14	soil & clay	. 14
4	clay & gravel	18
49	shale	67
28	lime	95
68	shale	163
10	lime	173
7	shale	180
33	lime	213
7	shale	220
22	lime	242
3	shale	245
21	lime	266 base of the Kansas City
176	shale	442
3	lime	445
6	shale	451
7	lime	458
17	shale	475
24	oil sand	499 green oil sand
5	shale	504
2	coal	506
3	shale	509
8	lime	517
14	shale	531
4	lime	535
21	shale	556
5	lime	561
25	shale	586
4	lime	590
9	shale	599
4	lime	603
7	shale	610
1	limey sand	611 green no oil
1	broken sand	612 brown & green oil bleeding
2	oil sand	614 brown good bleeding
3	broken sand	617 brown & green oil bleeding
33	shale	650
1	lime	651
5	oil sand	656 brown good bleeding

### North Kempnich # 14-IWU

### Page 2

5	broken sand	661 brown & grey oil bleeding
21	shale	682
1	coal	683
51	shale	734 TD

Drilled a 9 7/8" hole to 22.5' Drilled a 5 5/8" hole to 734'

Set 22.25' of 7" surface casing with 5 sacks of cement.

Set 724' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, and 1 clamp.

3613A Y Road Madison, KS 66860 Ph: 620-437-2661 Fax: 620-437-2881

FED ID# MC ID#

48-1214033 165290

Remit to: Hurricane Services, Inc. 250 N. Water, Suite 200 Wichita, KS 67202



104 Prairie Plaza Parkway Garnett, KS 66032 Ph: 785-448-3100

Fax: 785-448-3102

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Cı	101	1	m	^	r
$\sim$	JOI	U	111	ᆫ	١.

MARTIN OIL PROPERTIES % CHRISTIAN MARTIN 6421 AVONDALE DR., STE 212 OKLAHOMA CITY, OK 73116-6428

Invoice Date: Invoice #: Lease Name:

10/21/2014 0015259

Well #: County: NORTH KEMPNICH **14 IWU ANDERSON** 

Date/Description	HRS/QTY	Rate	Total
See ticket 1421 of ZH	1.000	2,280.000	2,280.00
Sand truck 820	0.500	500.000	250.00
Transport #146	1.000	105.000	105.00
Transport #148	1.000	105.000	105.00
Vac truck #109	1.000	84.000	84.00
Acid spotter #310	1.000	300.000	300.00
12/20 Frac Sand	4,000.000	0.270	1,080.00
32% Acid	75.000	3.480	261.00
Hurrigel 907	15.000	42.000	630.00
KCL	4.000	27.130	108.52
Biocide-CIW2320	2.000	38.960	77.92
Breaker	0.500	43.500	21.75
Ball injector	1.000	50.000	50.00
RCN Balls 1.3 SPG .78IN	11.000	1.750	19.25
City water	3,780.000	0.013	49.14
15% Acid	50.000	2.150	107.50
10% Discount per Kevin Miller	1.000	552.910-	552.91-

4,976.17 Total \_\_\_\_\_

All invoices are due upon receipt. Interest at the rate of 1 1/2% per month may be charged on all invoices not paid within 30 days from date of invoice.



250 N. Water, Ste 200 - Wichita, Ks 67202

### **HURRICANE SERVICES INC**

104 Prairie Plaza Parkway - Garnett, Ks 66032

Customer	Martin Oi	l Properties			Customer No.			Ticket No.:	1421		
Address					AFE No.			Date:	10/21/201	4	
City, State, Zip:	Garnett, k	(S			job type	Linear Gel F	rac				
Service District:	—— <u> </u>				Well Type	Oil					
Well name & No.		mpnich #14-IW	711		Well Location		County		State	Kansa	
Equipment #	Driver	Equipment #	Driver	Equipment #	Hours			Anderson		AM	TIME
158/820	Ben	Equipment	Diivei	Equipment #	Tiours	ARRIVED AT				AM PM	
146/156	Billy			<b> </b>		START OPER				AM PM	
148/157	Scott					FINISH OPER				AM PM	
820	Travis					RELEASED				AM PM	
109	Justin					MILES FROM	STATION	TO WELL			
24	MARK					1					
17/310	Zach					-					
145	Row				-	-					
						1					
Product/Service	TO WELL			Marine Dis	Unit of		List	Gross	Item		
Code	Description	A New York State State of the S			Measure	Quantity	Price/Unit	Amount	Discount		Net Amoun
F80101		it No. 1 - Mulitip	le Job (20%	6)	ea	1.00	\$2,280.00	\$2,280.00	10.00%		\$2,052.0
F82000	Sand Truck				day	1.00	\$500.00	\$250.00	10.00%		\$225.00
F15600 F15700	Transports Transports				hr hr	1.00	\$105.00 \$105.00	\$105.00 \$105.00	10.00%		\$94.50 \$94.50
F10900	A 100 100 100 100 100 100 100 100 100 10	ruck 80 bbl			hr	1.00	\$84.00	\$84.00	10.00%		\$75.60
F31000	Acid Spott				ea	1.00	\$300.00	\$300.00	10.00%		\$270.00
P01004	12/20 KAW Frac Sand			Cwt	40.00	\$27.00	\$1,080.00	10.00%		\$972.00	
P01308		.902 Baum / 99.	H2O)		gal	75.00	\$3.48	\$261.00	10.00%		\$234.90
P01203	Hurrigel 90	)7			gal	15.00	\$42.00	\$630.00	10.00%	-	\$567.00
P01101 P01075	BIOCIDE				gal	4.00 2.00	\$27.13 \$38.96	\$108.52	10.00%		\$97.67
P01075	BREAKER				gal quart	0.50	\$43.50	\$77.92 \$21.75	10.00% 10.00%		\$70.13 \$19.58
F00510		or - Mini Frac			ea	1.00	\$50.00	\$50.00	10.00%		\$45.00
P01401		S 1.3 SPG .78 I	N		ea	11.00	\$1.75	\$19.25	10.00%		\$17.33
P02000	H2O				gal	3,780.00	\$0.01	\$49.14	10.00%		\$44.23
P01304	15% HCL (.	388 Baum / 99.6	12 H2O)		gal	50.00	\$2.15	\$107.50	10.00%		\$96.75
					<b></b>						
TERMS: Cash in advan	ca unlace Hurric	ana Santicas Inc has	annroyed credit	ncior to sale. Credit							
terms of sale for approv	ed accounts are	total invoice due on o	r before the 30t	h day from the date			Gross:	\$ 5,529.08	Net:	\$	4,976.17
of invoice. Past due accomonth or the maximum	allowable by app	plicable state or federa	al laws if such la	ws limit interest to a		Taxable d service treatments	\$ -	Tax Rate:	7.650%	*	
lesser amount. In the ey collection of said accour					intent to incre	ease production on ne	ewly drilled or		Sale Tax:	\$	
such collection. In the evright to revoke any and a					exis	ting wells are not tax	able.		Total:	\$	4,976.17
revocation, the full invoice subject to collection.						Date of Service:					
Sasjoon to concentri.					нѕ	Representative:	3.	ich Hanse	en.		
X					Custom	er Represetative:					
	and the last of th	MER AUTHORIZED AGE		Conscient							
	Cust	omer Comn	ients of	Concerns:							
		<del></del>								-	

#### TREATMENT REPORT



### **HURRICANE SERVICES INC**

Customers	Martin Oil Pr	operties		Date	10/21/2014	son: 1421	1286	
Representative:						· · · · · · · · · · · · · · · · · · ·		
Address								
City, State:	Garne	ett, KS						
County, Zip:	Ande	erson						
Fiel	ld Order No.:			Open Hole:		Perf De	pths (ft)	Perfs
	Well Name:	N. Kempni	ch #14-IWU	Casing Depth:		611	617	13
	Location:			Casing Size:	2 7/8	651	661	21
	Formation:			<b>Tubing Depth:</b>				
Тур	e of Service:	Linear	Gel Frac	Tubing Size:				
	Well Type:	C	il	Liner Depth:				
	Age of Well:	Ne	ew	Liner Size:				
P	acker Type:			Liner Top:				
Pa	cker Depth:			Liner Bottom:				
Tre	eatment Via:	C	3G	Total Depth:				
							Total Perfs	34
	INJECTIO	N RATE	PRESSURE			PROP	HCL	FLUID

	INJECTION RATE	PRESSURE		PROP	HCL	FLUID
TIME	FLUID N2/CO2	STP	REMARKS	(lbs)	(gls)	(bbls)
		4,000.0	Spot HCL Rig Up/Line CK		50.00	
	2.0	1,100.0	Load and Break, EST Rate			1.0
	16.0	1,300.0	Pump Pad			15.0
	16.0	1,300.0	Start .5# 12/20	200.00		9.5
	16.0	1,200.0	Start 1# 12/20	200.00		5.0
	16.0	1,200.0	Start 2# 12/20	400.00		5.0
	16.0		Start 3# 12/20	700.00		5.5
	16.0		Drop Balls/HCL 5.00		25.00	3.0
	16.0	1,500.0	Start 1# 12/20	200.00		5.0
	16.0	1,500.0	Start 2# 12/20	200.00		2.00
	16.0		Start 3# 12/20	600.00		5.0
	16.0		Drop Balls 3.00		25.00	4.00
	16.0	1,800.0	Start 1# 12/20	200.00		5.00
	16.0		Start 2# 12/20	200.00		2.00
	16.0	1,900.0	Start 3# 12/20	600.00		5.00
	16.0		Drop Balls 3.00		25.00	4.00
	16.0	2,800.0	Start 1# 12/20	200.00		5.00
	16.0	2,700.0	Start 2# 12/20	300.00		2.00
			TOTAL:	4,000.00	125.00	93.00

#### SUMMARY

Max F	I. Rate	Avg Fl. Rate	Max PSI	Avg PSI	
	16.0	15.3	4,000.0	1,653.6	

#### PRODUCTS USED

15gal Hurrigel 907 4gal KCL 2gal SP-650 .5qt LEB 75gal 32% HCL 50gal 15% HCL

Treater:	Zach	Hansen	
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Customer:		

#### TREATMENT REPORT



### **HURRICANE SERVICES INC**

TIME	INJECTION FLUID	ON RATE N2/CO2	PRES STP	SURE	REMARKS	PROP (lbs)	HCL (gls)	FLUID (bbls)
TIME	16.0	WZ/COZ	2,600.0		Flush	(ibs)	(8/2)	5.00
	10.0		2,000.0		Surge			0.00
	16.0		1,700.0		Over Flush			5.00
			550.0		ISIP			
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Activity provided on this page is calculated in the summary and totals on page 1

