Kansas Corporation Commission OIL & GAS CONSERVATION DIVISION

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	SIOW	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ D&A ☐ ENHR☐ OG ☐ GSW	☐ SIGW	Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW ☐ CM (Coal Bed Methane)	Temp. 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

Confidentiality Requested:

Yes No

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



1309135 CORRECTION #3

Operator Name:			Lease Name	:		. Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flowi	ng and shut-in pressu	ormations penetrated. Dures, whether shut-in preith final chart(s). Attach	ssure reached s	tatic level, hydrosta	tic pressures, bot		
		tain Geophysical Data a r newer AND an image			iled to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taken (Attach Additional S	theets)	Yes No		-	on (Top), Depth ar		Sample
Samples Sent to Geole	ogical Survey	☐ Yes ☐ No	N	ame		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING Report all strings set-c	RECORD	New Used	ion oto		
Durance of String	Size Hole	Size Casing	Weight	Setting	Type of	# Sacks	Type and Percent
Purpose of String	Drilled	Set (In O.D.)	Lbs. / Ft.	Depth	Cement	Used	Additives
		ADDITIONAL	CEMENTING / S	QUEEZE RECORD			
Purpose:  Perforate  Protect Casing  Plug Back TD	Depth Top Bottom	Type of Cement	# Sacks Used		Type and P	ercent Additives	
Plug Off Zone							
	tal base fluid of the hydra	n this well? aulic fracturing treatment ex submitted to the chemical o	_		No (If No, ski	ip questions 2 ar ip question 3) out Page Three	
Shots Per Foot		N RECORD - Bridge Plug ootage of Each Interval Per			cture, Shot, Cement		d Depth
	Specify 1		ioratiou	(2.0	TOUR LANG OF WA	iona cocu	Sopu.
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed I	Production, SWD or ENF	IR. Producing Meth	nod:  Pumping	Gas Lift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil B	bls. Gas	Mcf \	Vater B	bls. C	Gas-Oil Ratio	Gravity
DISPOSITIO		N Open Hole	METHOD OF COM		mmingled	PRODUCTIO	ON INTERVAL:
Vented Sold	Used on Lease	Open Hole			mit ACO-4)		

Form	ACO1 - Well Completion	
Operator	Tailwater, Inc.	
Well Name	North Kempnich 6-IWU	
Doc ID	1309135	

# 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	22	Portland	5	POZ
Production	5.6250	2.8750	6.45	719	Portland	102	50/50 POZ

# **Summary of Changes**

Lease Name and Number: North Kempnich 6-IWU

API/Permit #: 15-003-26230-00-00

Doc ID: 1309135

Correction Number: 3

Approved By: Karen Ritter

Field Name	Previous Value	New Value
Approved Date	04/20/2016	06/13/2016
Save Link	//kcc/detail/operatorE ditDetail.cfm?docID=13	//kcc/detail/operatorE ditDetail.cfm?docID=13
Tubing Set At	04550 719	09135
Tubing Size	2.8750	

CORRECTION #2

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

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

OPERATOR: License #	API No. 15
Name:	Spot Description:
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Address 2:	Feet from  North / South Line of Section
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Phone: ()	NE  NW  SE  SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (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 SIOW	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW ☐ 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:	
Well Name:	
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 Produ	
	Chloride content:ppm Fluid volume: bbls
☐ Commingled Permit #:	Dewatering method used:
□ Dual Completion Permit #:	
ENHR Permit #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec Twp S. R
Recompletion Date Recompletion Date	County: Permit #:

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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:

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

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:
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Phone: ()	□ NE □ NW □ SE □ SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxxx)
Vellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workd	Field Name:
	Producing Formation:
Oil WSW SWD	SIOW   Elevation: Ground: Kelly Bushing:
☐ Gas ☐ D&A ☐ ENHR ☐	SIGW Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW ☐	Temp. Abd.  Amount of Surface Pipe Set and Cemented at: Feet
□ CM (Coal Bed Methane)     □ Cathodic    □ Other (Core, Expl., etc.):	
f Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
_	16 A 10 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
Operator:	
Well Name:	
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR CONV.	5 Tala management i an
Plug Back Conv. to GSW	Conv. to Producer (Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	
GSW Permit #:	
	Lease Name: License #:
	Ouarter Sec. Twp. S. R. East West letion Date  County: Permit #:

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Confidentiality Requested:

Yes No

### Kansas Corporation Commission Oil & Gas Conservation Division

1230295

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
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Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)  Datum: NAD27 NAD83 WGS84
Wellsite Geologist:	
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)
Commingled Permit #:	Chloride content:ppm Fluid volume:bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	QuarterSecTwpS. R East West
Recompletion Date Recompletion Date	Countv: Permit #:

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Date:		
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Wireline Log Received		
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ALT		

KOLAR Document ID: 1230295

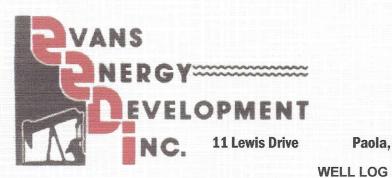
### Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	Ea	ast West	County:				
	flowing and shu	ıt-in pressures, w	hether 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.go\	. Digital electronic log
Drill Stem Tests Ta			Yes No		_	on (Top), Depth ar		Sample
Samples Sent to G	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					
		R			New Used	on, etc.		
Purpose of Strir		Hole	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / S	QUEEZE RECORD	I		
Purpose:		epth Ty	pe of Cement	# Sacks Used		Type and F	Percent Additives	
Protect Casi								
Plug Off Zon								
<ol> <li>Did you perform a</li> <li>Does the volume o</li> <li>Was the hydraulic</li> </ol>	of the total base f	luid of the hydraulic	fracturing treatment	_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three (	,
Date of first Producti Injection:	ion/Injection or Re	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:			N INTERVAL: Bottom
	_	on Lease	Open Hole			mmingled mit ACO-4)	Тор	Bottom
,	, Submit ACO-18.)				· · · · · · · · · · · · · · · · · · ·			
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 /	At:	Packer At:				
. 5213 (1200) 10.	JIEG.			. 30.0.71				

Form	ACO1 - Well Completion			
Operator	Tailwater, Inc.			
Well Name	North Kempnich 6-IWU			
Doc ID	1230295			

# 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	22	Portland	5	
Completio n	5.6250	2.8750	6.45	719	Portland	102	50/50 POZ



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

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

# Paola, KS 66071

Tailwater, Inc. North Kempnich # 6-IWU API #15-003-26,230

September 8 - September 10, 2014

Thickness of Strata	<u>Formation</u>	<u>Total</u>
11	soil & clay	11
4	clay & gravel	15
56	shale	71
40	lime	111
40	shale	151
10	lime	161
18	shale	179
10	lime	189
5	shale	194
35	lime	229
6	shale	235
21	lime	256
4	shale	260
21	lime	281 base of the Kansas City
171	shale	452
2	lime	454
2	shale	456
17	lime	473 oil show
18	shale	491
4	sand	495 green, no oil
4	oil sand	499 green good bleeding
1	coal	500
3	shale	503
13	oil sand	516 green, good bleeding
5	shale	521
1	coal	522
3	shale	525
9	lime	534
16	shale	550
4	lime	554
17	shale	571
9	lime	580
23	shale	603
2	lime	605
24	shale	629
2	limey sand	631 green & white, no oil
3	broken sand	634 brown & green 30% bleeding
34	shale	668
1	lime & shells	669

### North Kempnich #6-IWU

## Page 2

4	oil sand	673 brown 90% bleeding
7	broken sand	680 brown & grey 30% bleeding
48	shale	728 TD

Drilled a 9 7/8" hole to 21.7' Drilled a 5 5/8" hole to 728'

Set 21.7' of 7" surface casing threaded and coupled cemented with 5 sacks of cement.

Set 718.6' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.

### **Core Times**

	Minutes	Seconds		Minutes	Seconds
632		43	670		31
633		31	671		25
634		35	672		27
635		29	673		30
636		34	674		26
637		43	675		27
638		34	676		28
639		34	677		25
640		37	678		26
641		32	679		24
642		28	680		31
643		29	681		28
645		30	682		26
		33	683		24
			684		25
			685		37

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

FFD 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:

Date/Description

**Gel 2%** 

Flocele

Gel flush

City water

Vac truck #111

Vac truck #108

Bulk truck #242

Top rubber plug 2 7/8"

10% Discount per Kevin Miller

See ticket 50387 of JB

Cement Pozmix 50/50

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

Invoice #: Lease Name: Well #:

County:

9/11/2014 0014675 N KEMPNICH 6-IWV

ANDERSON

150.00

240.53-

25.00 T

HRS/QTY **Total** Rate 1.000 675,000 675.00 102.000 11.300 1,152.60 T 204.000 0.300 61.20 T 200.000 0.300 60.00 T 25.000 2.150 53.75 T 4,600.000 0.013 59.80 1.000 84.000 84.00 1.000 84.000 84.00

1.000

1.000

1.000

150.000

25.000

240.530-

Net Invoice 2,164.82 Sales Tax: (7.65%) 103.47 2,268.29 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.

WE APPRECIATE YOUR BUSINESS!

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

(Rev. 1-2011)



Ticket	No	50387
Location		
Foreman_	Joe	Blanchard

Customer Signature

### **Cement Service ticket**

Date Customer#		Well Name & Number	Sec./1	ownship/Range	County
9-11-14		N. Kemanich G-IWU			Anderson
Customer		Mailing Address	City	State	Zip
Martin	Oil Paradia				

Job Type:			Truck #	Driver
Longstring	Casine TD 719		26	Joe
Hole Size: E Fla	Casing Size: 27/8	Displacement: 4.1	230	Alex
Hole Depth: 728	Casing Weight:	Displacement PSI: 400	111	J. F. 7
Bridge Plug:	Tubing:	Cement Left in Casing: Q	110	ARNOLD.
Packer:	PBTD:	The same of the sa	242	AMOS / Jesse
				THUS TOBSE
Quantity Or Units	Description of :	Servcies or Product	Pump charge	675.08
o mi	Mileage Pump truck	±230	\$3.25/Mile	NC
o mi	Pick up #	26	150	NC
		The state of the s		
1025K	50/50 Poz mix		11.30	1152 63
204 LB	Prem Gel 2%		.30	61.30
200 LB	Prem Gel Su.		.36	60.90
25 LB			2.15	53.25
			-	
4600 Gal	Cornett Water	THE	1.3	59.80
1 60	80 Vac # 111		84. <sup>29</sup>	84.00
1 hc	80 vac #110		OH 29	84.50
	70 Vac 710			
4.2 Tons	Bulk Truck MiniMIIM	havge #242	\$1.15/Mile	150.00
1	Plugs 27/8 Top P	lua	25.98	25.20
	75	2405,35	Subtotal	2.164.82
	10% di	SCOUNT 240,53	Sales Tax	103.47
			Estimated Tot	al 2,26829
Remarks: Hook auto	Casing Achieved	Circulation. Pum		
tollowed by 15	boll water pad & bottom & set float	102 5K5 50/50	DOZ. Flu	sh Pump.
1 - 3		the state of the s		
	C	ement to Surface	· e .	
		#11 ** 1 ** 1 ** 1 ** 1 ** 1 ** 1 ** 1		
***************************************				