

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1371679  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

November 2016

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

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  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1371679

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to [kcc-well-logs@kcc.ks.gov](mailto:kcc-well-logs@kcc.ks.gov). Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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3613A Y Road  
Madison, KS 66860  
Ph: 620-437-2661  
Fax: 620-437-2881



HURRICANE SERVICES INC

10-2-17  
CK#2958

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

FED ID# 48-1214033  
MC ID# 165290

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

Customer:  
DK OPERATING INC  
621 BENTON ST  
JETMORE, KS 67854-5311

Invoice Date: 9/20/2017  
Invoice #: 0034734  
Lease Name: BAMBERGER  
Well #: 1-7  
County: HODGEMAN

Date/Description	HRS/QTY	Rate	Total
Ticket 100806 223' Surface	0.000	0.000	0.00
Heavy Eq mileage one way	160.000	2.340	374.40
Light Eq mileage one way	80.000	1.080	86.40
Ton Mileage one way #242	632.000	0.936	591.55
Regular class A cement	160.000	11.700	1,872.00
Bentonite Gel	301.000	0.216	65.02
Calcium chloride	451.000	0.720	324.72
Cementer #231	1.000	684.000	684.00

**Total** 3,998.09

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!**



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

**HURRICANE SERVICES INC**

104 Prairie Plaza Parkway - Garnett, Ks 66032

Customer	D K Operating	Customer Name:	Mike Kern	Ticket No.:	100806
Address:	621 Benton St.	Contractor:	Pickrell Drlg. # 10	Date:	9/20/2017
City, State, Zip:	Jetmore, Ks. 67854	Job type	223'Surface	Well Type:	Oil
Service District:	Hays, Ks.	Well Details:	Sec: 7	Twp:	21S R: 22W
Well name & No.	Bamberger # 1-7	Well Location:	Jetmore	County:	Hodgeman
				State:	Kansas
Equipment #	Driver	TRUCK CALLED		AM PM	TIME
231	Cody	ARRIVED AT JOB		AM PM	1:00
242	Brandon	START OPERATION		AM PM	4:14
25	Brad	FINISH OPERATION		AM PM	4:45
		RELEASED		AM PM	5:15
		MILES FROM STATION TO WELL			95

**Treatment Summary**

Product/Service Code	Description	Unit of Measure	Quantity	List Price/Unit	Gross Amount	Net Amount
C001	Heavy Equip. One Way	mi	160.00	\$3.25	\$520.00	\$374.40
C002	Light Equip. One Way	mi	80.00	\$1.50	\$120.00	\$86.40
C003	Ton Mileage - One way	mi	632.00	\$1.30	\$821.60	\$591.55
CP006	Regular - Class A Cement	sack	160.00	\$16.25	\$2,600.00	\$1,872.00
CP013	Bentonite Gel	lb	301.00	\$0.30	\$90.30	\$65.02
CP014	Calcium - Chloride	lb	451.00	\$1.00	\$451.00	\$324.72
C019	Cement Pump	ea	1.00	\$950.00	\$950.00	\$684.00

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**DISCLAIMER NOTICE:**  
 This technical data is presented in good faith, but no warranty is given by and H.S.I. assumes no liability for advice or recommendations made concerning results to be obtained from the use of any product or service. The information presented is HSI best estimate of the actual results that may be achieved and should be used for comparison purposes and make no guarantee of future production performance. Customer warrants that well and all associated equipment in acceptable condition to receive services by H.S.I. Likewise, the customer will guarantee proper operational care of all customer owned production and associated equipment, while H.S.I. is on location performing services which could adversely affect the performance of such services. Authorization below acknowledges receipt and acceptance of all terms and conditions stated

X \_\_\_\_\_  
 CUSTOMER AUTHORIZED AGENT

<b>Gross:</b>		\$ 5,552.90	<b>Net:</b>	\$ 3,998.09
<b>Total Taxable</b>	\$ -	<b>Tax Rate:</b>	7.150%	
Frac and Acid service treatments designed with intent to increase production on newly drilled or existing wells are not taxable.		<b>Sale Tax:</b>	\$ -	
		<b>Total:</b>	\$ 3,998.09	
<b>Date of Service:</b>	5/13/2016			
<b>HSI Representative:</b>	Todd Seba Tony P			
<b>Customer Comments:</b>				

**TREATMENT REPORT**



**HURRICANE SERVICES INC**

Customer: DK Operating	Date: 9/20/2017	Ticket No.: 100806
Field Rep: Mike Kern		
Address:		
City, State:		
County, Zip:		

Field Order No.: 100806	Open Hole:	Perf Depths (ft)	Perfs
Well Name: Bamberger #1-7	Casing Depth: 211.23		
Location: Jetmore Ks.	Casing Size: 8 5/8 20 Lb		
Formation:	Tubing Depth:		
Type of Service: Surface	Tubing Size:		
Well Type: Oil	Liner Depth:		
Age of Well: New	Liner Size:		
Packer Type:	Liner Top:		
Packer Depth:	Liner Bottom:		
Treatment Via: Casing	Total Depth: 215'		
		<b>Total Perfs</b>	<b>0</b>

TIME	INJECTION RATE FLUID	N2/CO2	STP	PRESSURE ANNULUS	REMARKS	PROP (lbs)	HCL (gls)	FLUID (bbls)
10:00 PM					Called Out			
1:00 AM					On Location Rig circulating			
1:15 AM					Hold Safety Meeting Spot & Set Up Trucks			
					TD= 223' TP=222' SJ=20'			
3:00 AM					Start Casing			
4:00 AM					Casing On bottom			
4:10 AM					Hook Up To Casing Break Circulation W/Rig			
4:15 AM	3.5			150.0	Start Pumping H2O			10.00
	3.5			150.0	Start Mix & Pump 160 Sk Common 2% Gel 3% C.C.			
					15 Lb/Gal Yield 1.37			38.75
	3.5			150.0	Start Displacemnet H2O			
4:45 AM					Shut Down			12.46
				200.0	Close Vavle on Casing			
					Good Circulation Thru Job			
					Circulate Cement To Pit			
5:15 AM					Off Location			
					Thank You Please Call Again			
					Brad Cody Brandon			
<b>TOTAL:</b>						-	-	61.21

**SUMMARY**

Max Fl. Rate	Avg Fl. Rate	Max PSI	Avg PSI
3.5	3.5	200.0	162.5

**PRODUCTS USED**

160 Sacks Common 2% Gel 3% C.C.

Treater: Brad Starks

Customer: Mike Kern

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



HURRICANE SERVICES INC

10-10-17  
ck # 2968

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

FED ID# 48-1214033  
MC ID# 165290

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

Customer:  
DK OPERATING INC  
621 BENTON ST  
JETMORE, KS 67854-5311

Invoice Date: 9/26/2017  
Invoice #: 0034757  
Lease Name: BAMBERGER  
Well #: 1-7  
County: HODGEMAN

Date/Description	HRS/QTY	Rate	Total
Ticket 100809 PTA	0.000	0.000	0.00
Heavy Eq mileage one way	160.000	2.340	374.40
Light Eq mileage one way	80.000	1.080	86.40
Ton Mileage one way #242	680.000	0.936	636.48
60/40 Pozmix cement	190.000	9.252	1,757.88
Bentonite Gel	654.000	0.216	141.26
Wooden plug 8 5/8	1.000	77.760	77.76
Cementer #231	1.000	684.000	684.00

Net Invoice 3,758.18  
Sales Tax: (7.65%) 151.23  
**Total** 3,909.41

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!**



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

**HURRICANE SERVICES INC**

104 Prairie Plaza Parkway - Garnett, Ks 66032

<b>Customer</b>	D K Operating	<b>Customer Name:</b>	Mike Kern	<b>Ticket No.:</b>	100809
<b>Address:</b>	621 Benton St.	<b>Contractor:</b>	Pickrell Drig. # 10	<b>Date:</b>	9/26/2017
<b>City, State, Zip:</b>	Jetmore, Ks. 67854	<b>Job type</b>	PTA	<b>Well Type:</b>	Oil
<b>Service District:</b>	Hays, Ks.	<b>Well Details:</b>	Sec: 7	<b>Twp:</b>	21S R: 22W
<b>Well name &amp; No.</b>	Bamberger # 1-7	<b>Well Location:</b>	Jetmore	<b>County:</b>	Hodgeman
				<b>State:</b>	Kansas
<b>Equipment #</b>	<b>Driver</b>	<b>TRUCK CALLED</b>			
		AM PM TIME			
231	Cody	<b>ARRIVED AT JOB</b>			
		AM PM			
242	Brandon	<b>START OPERATION</b>			
		AM PM			
25	Brad	<b>FINISH OPERATION</b>			
		AM PM			
		<b>RELEASED</b>			
		AM PM			
		<b>MILES FROM STATION TO WELL</b>			
		95			

**Treatment Summary**

Product/Service Code	Description	Unit of Measure	Quantity	List Price/Unit	Gross Amount	Net Amount
C001	Heavy Equip. One Way	mi	160.00	\$3.25	\$520.00	\$374.40
C002	Light Equip. One Way	mi	80.00	\$1.50	\$120.00	\$86.40
C003	Ton Mileage - One way	mi	680.00	\$1.30	\$884.00	\$636.48
CP009	60/40 Pozmix Cement	sack	190.00	\$12.85	\$2,441.50	\$1,757.88
CP013	Bentonite Gel	lb	654.00	\$0.30	\$196.20	\$141.26
CP043	Wooden 8 5/8	ea	1.00	\$1.00	\$108.00	\$77.76
C019	Cement Pump	ea	1.00	\$950.00	\$950.00	\$684.00

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X  
 CUSTOMER AUTHORIZED AGENT

<b>Gross:</b> \$ 5,219.70				<b>Net:</b> \$ 3,758.18		
<b>Total Taxable</b>		\$ -	<b>Tax Rate:</b>		7.150%	
Frac and Acid service treatments designed with intent to increase production on newly drilled or existing wells are not taxable.					<b>Sale Tax:</b>	\$ -
					<b>Total:</b> \$ 3,758.18	
<b>Date of Service:</b>			9/26/2017			
<b>HSI Representative:</b>			Brad Starks			
<b>Customer Comments:</b>						



**TREATMENT REPORT**



**HURRICANE SERVICES INC**

Customer:	DK Operating	Date:	9/26/2017	Ticket No.:	100809
Field Rep:	Mike Kern				
Address:					
City, State:					
County, Zip:					

Field Order No.:	100809	Open Hole:		Perf Depths (ft)	Perfs
Well Name:	Bamberger #1-7	Casing Depth:	211.23		
Location:	Jetmore Ks.	Casing Size:	8 5/8 20 Lb		
Formation:		Tubing Depth:	1480' DP		
Type of Service:	PTA	Tubing Size:	4 1/2 16.6 DP		
Well Type:	Oil	Liner Depth:			
Age of Well:	New	Liner Size:			
Packer Type:		Liner Top:			
Packer Depth:		Liner Bottom:			
Treatment Via:	Drill Pipe	Total Depth:	4451'		
				<b>Total Perfs</b>	<b>0</b>

TIME	INJECTION RATE		PRESSURE		REMARKS	PROP (lbs)	HCL (gls)	FLUID (bbls)
	FLUID	N2/CO2	STP	ANNULUS				
10:45 PM					Called Out			
5:00 AM					On Location			
					Hold Safety Meeting Spot & Set Up Trucks			
					1 St Plug @ 1480' 50 Sacks 60/40 4% Gel			
5:47 AM	4.0		160.0		Start Pumping H2O			
	3.5		160.0		Start Mix & Pump 50 Sacks			12.65
	4.0		140.0		Start Displacement H2O			18.00
6:00 AM					Shut Down PDPOOH			
					2 nd Plug @ 650' 50 Sacks 60/40 4% Gel			
6:35 AM	4.0		160.0		Start Pumping H2O			
	4.0		160.0		Start Mix & Pump 50 Sacks			12.65
	4.0		140.0		Start Displacement H2O			9.00
6:47 AM					Shut Down PDPOOH			
					3 Rd Plug @ 230' 40 Sacks 60/40 4% Gel			
7:00 AM	3.5		120.0		Start Pumping H2O			
	3.5		150.0		Start Mix & Pump 40 Sacks			10.12
	3.5		150.0		Start Displacement H2O			1.00
7:07 AM					Shut Down PDPOOH			
<b>TOTAL:</b>						-	-	76.07

**SUMMARY**

Max Fl. Rate	Avg Fl. Rate	Max PSI	Avg PSI
4.0	3.5	160.0	140.0

**PRODUCTS USED**

190 Sacks 60/40 4% Gel

Treater: Brad Starks

Customer: Mike Kern



<b>Marc A. Downing</b>		<b>Geologic Report</b>		
<b>Consulting Petroleum Geologist</b>		<b>Drilling Time and Sample Log</b>		
<b>Operator DK Operating, Inc.</b>			<b>Elevation</b>	
<b>Lease Bamberger</b>		<b>No. 1-7</b>	KB	2267
			DF	
			GL	2260
<b>API # 15-083-21944-0000</b>			<b>Casing Record</b>	
<b>Field Wildcat</b>			Surface	
<b>Location 641' FSL &amp; 1967' FWL</b>			8 5/8" @ 211'	
			Production	
			None	
			<b>Electrical Surveys</b>	
			None	
<b>Sec. 7</b>	<b>Twp. 21s</b>	<b>Rge. 22w</b>		
<b>County Hodgeman</b>		<b>State</b>	<b>Kansas</b>	
<b>Formation</b>	<b>Sample tops</b>	<b>Log Tops</b>	<b>Datum</b>	<b>Struct Comp</b>
Top Anhydrite	1457		+810	-1
Base Anhydrite	NA		NA	NA
Heebner	3760		-1493	-4
Toronto	3775		-1508	-1
LKC	3811		-1544	-3
Stark	4060		-1793	-1
BKC	4132		-1865	-2
Marmaton	4165		-1898	-2
Fort Scott	4324		-2057	-6
Cherokee Sh	4348		-2081	-3
Miss/Warsaw	4422		-2155	-11
Osage	4448		-2181	-24
<b>Total Depth</b>	<b>4451</b>		<b>-2184</b>	
<b>Reference Well For Structural Comparison Wilcox Oil Co.</b>				
<b>Bamberger #1 C SE SW Sec. 7-21s-22w</b>				

Drilling Contractor	<b>Pickrell Drilling, Rig #10</b>		
Commenced	<b>9-19-17</b>	Completed	<b>9-25-17</b>
Samples Saved From	<b>3750</b>	To	<b>RTD</b>
Drilling Time Kept From	<b>3650</b>	To	<b>RTD</b>
Samples Examined From	<b>3750</b>	To	<b>RTD</b>
Geological Supervision From	<b>3750</b>	To	<b>RTD</b>

### **Summary and Recommendations**

**Due to structural position and lack of sample shows, it was decided to plug and abandon the well.**

Respectfully Submitted,

Marc A. Downing