

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1356481  
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 # \_\_\_\_\_

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       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- 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 ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

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
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1356481

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. 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  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				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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250 N. Water, Ste 200 - Wichita, Ks 67202

**HURRICANE SERVICES INC**

104 Prairie Plaza Parkway - Garnett, Ks 66032

Customer:	T B & G, LLC	Customer Name:	Mark Burris	Ticket No.:	100826			
Address:		AFE No.:		Date:	3/21/2017			
City, State, Zip:		Job type:	Longstring					
Service District:	Madison	Well Details:	used 17 lb. 5.5" casing set @ 867' / 869' of 7 7/8" hole					
Well name & No.:	Sutherland # 3 <b>New</b>	Well Location:	11-24s-18e	County:	Allen			
				State:	Kansas			
Equipment #	Driver	Equipment #	Driver	Equipment #	Driver	TRUCK CALLED	AM	TIME
201	JP					ARRIVED AT JOB	AM	
202	Mark					START OPERATION	AM	
110	Billy					FINISH OPERATION	AM	
30	Brad					RELEASED	AM	
MILES FROM STATION TO WELL								50

Rig up to 5.5" casing, pumped 2 Bbls water ahead, 5 Bbls gel flush followed with 15 Bbls fresh water spacer. Mixed 165 sks 60/40 pozmix cement w/ 2% gel, 2% caclz, 1/4 lb per/sk of flo-seal and 1/3 lb per/sk of pheno-seal, ( mixed @ 14.2 lb per/gal ) Displaced cement with 19.25 Bbls water, final pumping @ 550 psi. shut down and closed casing in with good cement returns (5 Bbls slurry) Job Complete wash up & tear down  
 note: used city water during cementing process "Thank You"

Product/Service Code	Description	Unit of Measure	Quantity	List Price/Unit	Gross Amount	Net Amount
c019	Cement Pump	ea	1.00	\$950.00	\$950.00	\$665.00
c001	Heavy Equip. One Way	mi	50.00	\$3.25	\$162.50	\$113.75
c003	Ton Mileage - One way	mi	375.00	\$1.30	\$487.50	\$341.25
cp009	60/40 Pozmix Cement	sack	165.00	\$12.85	\$2,120.25	\$1,484.18
cp013	Bentonite Gel	lb	300.00	\$0.30	\$90.00	\$63.00
cp017	FLO-Seal	lb	50.00	\$2.15	\$107.50	\$76.25
cp024	Pheno Seal	lb	55.00	\$1.70	\$93.50	\$65.45
cp014	Calcium - Chloride	lb	300.00	\$1.00	\$300.00	\$210.00
c002	Light Equip. One Way	mi	50.00	\$1.50	\$75.00	\$52.50
t003	Vacuum Truck 80 bbl	hr	4.00	\$84.00	\$336.00	\$235.20
AF003	16/30 KAW Frac Sand	cwt	10.00	\$22.00	\$220.00	\$154.00
AF075	H2O	gal	2,500.00	\$0.01	\$32.50	\$32.50
cp013	Bentonite Gel	lb	100.00	\$0.30	\$30.00	\$21.00

**TERMS:** Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts may pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws if such laws limit interest to a lesser amount. In the event it is necessary to employ an agency and/or attorney to affect the collection of said account, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any and all discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount will become immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Discount rate is based on 30 days not payment terms or cash.

**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.

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

Gross: \$ 5,004.75		Net: \$ 3,513.08
Total Taxable	\$1,918.88	Tax Rate: 7.400%
Frac and Acid service treatments designed with intent to increase production on newly drilled or existing wells are not taxable.		Sale Tax: \$ 142.00
		Total: \$ 3,655.07

3-21-2017

HSI Representative: **Brad Butler**

Customer Comments:





**Operator:**  
J. Richard Burris  
Gas, KS

**Sutherland #3**

Allen Co., KS  
11-24S-18E  
API: 001-31471

<b>Spud Date:</b>	3/17/2017	<b>Surface Bit:</b>	11"
<b>Surface Casing:</b>	8-5/8" 32#	<b>Drill Bit:</b>	7.875"
<b>Surface Length:</b>	34.0'	<b>Longstring:</b>	867.0'
<b>Surface Cement:</b>	8 sx	<b>Longstring Date:</b>	3/21/2017
<b>Longstring:</b>	5 1/2" 17.0# Used		

**Driller's Log**

Top	Bottom	Formation	Comments
0	2	Soil	
2	10	Clay	
10	12	Gravel	
12	32	Shale	
32	73	Lime	
73	107	Shale	
107	112	Lime	
112	151	Shale	
151	160	Lime	
160	165	Shale	
165	254	Lime	
254	259	Shale	
259	286	Lime	
286	456	Shale	
456	458	Coal	
458	492	Lime	
492	513	Shale	
513	515	Coal	
515	549	Shale	
549	551	Lime	
551	580	Shale	
580	589	Lime	
589	601	Shale	

Sutherland #3  
Allen Co., KS

601	607	Lime	
607	798	Shale	
798	810	Shale	Muddy
810	870	Shale	
870	889	Sand	Good oil show, good brown sand, porous,
<b>889</b>		<b>TD</b>	well saturated with heavy oil, soft

	<b>Coring</b>		
<b>Run</b>	<b>Footage</b>	<b>Recovery</b>	
1	870-883	8'	Plugged up

Core bbl plugged up, reem to 889'. Slough hole and load pay zone with 1000# of 12/20 frac sand. Run 5.5" casing open ended, contacted sand at 660' Wash casing to 667' and land with kelly, nipple up HSI and cement through MD wellhead. Shut in overnight under pressure.

3/22/17 - Clean out pits and load fresh water. Swap for slim hole kelly. Trip in hole w/ 4.75" PDC and drill pipe, cut 30' of cement, wash hole clean of sand and IOOH for under reemer. I IH with under reemer. Made multiple runs with under reemer attempting to build ledge and reem pay. Tool stopped biting. TOO H and lay down drill pipe, tools backed off.

3/23/17 - Build fishing tools, tally tubing, I IH w/2 3/8 EUE and fishing tools. Made two fishing trips, caught fish on the second trip. Blades broke off the under reemer. Laid down tubing and rig down.