

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1256581  
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: \_\_\_\_\_

1256581

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



HURRICANE SERVICES INC

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:  
 D & Z EXPLORATION, INC.  
 PO BOX 159  
 ST ELMO, IL 62458

Invoice Date: 6/24/2015  
 Invoice #: 0019549  
 Lease Name: EAST HASTERT  
 Well #: #DI  
 County: ANDERSON

Date/Description	HRS/QTY	Rate	Total
See ticket 50026 of DL	0.000	0.000	0.00
Cement Pozmix 50/50	178.000	11.300	2,011.40 T
Bentonite Gel	307.000	0.300	92.10
City water	4,000.000	0.013	52.00
Top rubber plug 2 7/8"	1.000	30.000	30.00 T
FLO Seal	45.000	2.150	96.75
Bentonite Gel	200.000	0.300	60.00
Cement pump-Longstring & plug	1.000	675.000	675.00
Bulk truck #242	0.500	300.000	150.00
80bbl Vac truck 110	2.000	84.000	168.00
80bbl Vac truck 108	2.000	84.000	168.00
Discount	1.000	306.210-	306.21-T
Discount	1.000	219.280-	219.28-

Net Invoice 2,977.76  
 Sales Tax: (7.65%) 132.74  
**Total** 3,110.50

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 AND Z		Customer Name:		Ticket No.:	50026	
Address:			AFE No.:		Date:	6/24/2015	
City, State, Zip:			Job type:	LONG STRING [NEW WELL]			
Service District:			Well Details:	1220'TD 2 7/8 CASING 1201.25 6 1/8 HOLE TO 900' 5 5/8 TO TD			
Well name & No.:	WEST HASTHASTERT #2		Well Location:		County:	ANDERSON	State: KANSAS
Equipment #	Driver	Equipment #	Driver	Equipment #	Hours	TRUCK CALLED	AM PM
231	TOM					ARRIVED AT JOB	
108	JEFF T					START OPERATION	2:00PM
110	JUNIOR					FINISH OPERATION	
242	TROY					RELEASED	300PM
25	DWAYNE					MILES FROM STATION TO WELL	

**Treatment Summary**

HOOKED ONTO WELL AND ESTABLISHED CIRCULATION PUMP 10 BBRL GEL FLUSH FOLLOWED BY A 15 BBRL PAD AND START CEMENT PUMPED 178 SACKS STOP AND FLUSH PUMP THEN PUMP WIPER PLUG TO BOTTOM AND HELD 1100 PSI ON WELL FOR 15 MIN FOR [M.I.T.] THEN SET FLOAT AND WASH UP EQUIPMENT.

Product/Service Code	Description	Unit of Measure	Quantity	List Price/Unit	Gross Amount	Item Discount	Net Amount
P01604	50/50 Pozmix Cement	sack	178.00	\$11.30	\$2,011.40	15.00%	\$1,709.69
P01607	Bentonite Gel	lb	307.00	\$0.30	\$92.10	15.00%	\$78.29
P02000	H2O	gal	4,000.00	\$0.01	\$52.00	15.00%	\$44.20
P01631	Rubber Plug 2 7/8	ea	1.00	\$30.00	\$30.00	15.00%	\$25.50
P01611	FLO-Seal	lb	45.00	\$2.15	\$96.75	15.00%	\$82.24
P01607	Bentonite Gel	lb	200.00	\$0.30	\$60.00	15.00%	\$51.00
				675.00			
C23101	Cement Pump	ea	1.00	<del>\$790.00</del>	\$790.00	15.00%	<del>\$671.60</del>
C24201	Cement Bulk Truck - Minimum	ea	.5	<del>\$300.00</del>	\$300.00	15.00%	<del>\$255.00</del>
C11000	Vacuum Truck 80 bbl	ea	2.00	\$84.00	\$168.00	15.00%	\$142.80
C10800	Vacuum Truck 80 bbl	ea	2.00	\$84.00	\$168.00	15.00%	\$142.80

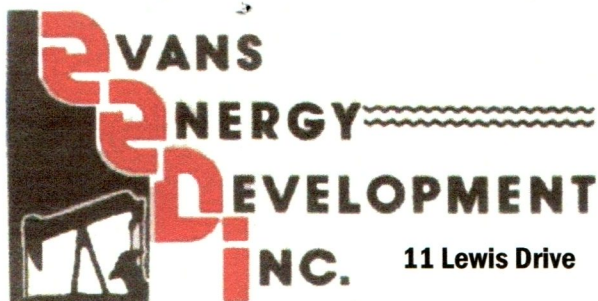
TERMS: Cash in advance unless Hurricane Services Inc has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts may pay interest on the balance past due at the rate of 1 1/4% per month or the 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 owing and subject to collection.

Gross:	\$ 3,768.25	Net:	\$ <del>3,209.64</del>
Total Taxable	\$ -	Tax Rate:	7.650%
Frac and Acid service treatments designed with intent to increase production on newly drilled or existing wells are not taxable.		Sale Tax:	\$ -
		Total:	\$ 3,209.64
Date of Service:	6/24/2015		
HSI Representative:	DWAYNE		
Customer Representative:	DEAN		

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

**Customer Comments or Concerns:**

Hurricane Services appreciates any Comments, Concerns or Criticism's from our valuable customers as Safety and Customer Satisfaction are our Number 1 goal. All Comments are confidential and will be used in a constructive manner to improve our Safety and Job Performance.



11 Lewis Drive

Paola, KS 66071

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

Phone: 913-557-9083

Fax: 913-557-9084

**WELL LOG**

D & Z Exploration, Inc.

East Hastert #D1

API # 15-003-26,431

June 22 - June 24, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
16	soil & clay	16
4	clay & gravel	20
83	shale	103
29	lime	132
7	shale	139
3	lime	142
23	shale	165
7	lime	172
23	shale	195
8	lime	203
8	shale	211
36	lime	247
4	shale	251
27	lime	278
3	shale	281
24	lime	305 base of the Kansas City
133	shale	438
3	broken sand	441 brown & green, light oil show
31	shale	472
3	lime	475
4	shale	479
2	lime	481
8	shale	489
8	lime	497 oil show
10	shale	507
6	broken sand	513 brown & green, light oil show
11	shale	524
1	coal	525
19	shale	544
2	coal	546
4	shale	550
5	lime	555
7	shale	562
3	lime	565
5	shale	570
6	lime	576
20	shale	596
20	lime	616
13	shale	629

4	lime	633
78	shale	711
2	lime	713
6	oil sand	719 black light oil show
34	shale	753
4	lime	757
4	broken sand	761 brown & green light oil show
2	shale	763
1	broken sand	764 brown & green, ok bleeding
16	oil sand	780 black good bleeding
1	shale	781
1	coal	782
253	shale	1035
185	lime	1220 TD

(1150 top of the first break)

Drilled a 9 7/8" hole to 22.5'  
Drilled a 5 5/8" hole to 1220'

Set 22.5' of 7" surface casing, cemented with 5 sacks of cement.

Set 1201' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, 1 clamp, and 1 cement basket