

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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 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: \_\_\_\_\_

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 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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Franklin County, KS  
Well: Wiseman #1  
Lease Owner: TDR

**TDR Construction**  
(913) 710-5400

Commenced Spudding:  
9/28/21

WELL LOG

Thickness of Strata	Formation	Total Depth
0-9	Soil-Clay	9
165	Sandy Shale	174
25	Lime	199
7	Shale	206
10	Lime	216
6	Shale	222
17	Lime	239
34	Shale	273
21	Lime	294
78	Shale	372
27	Lime	399
3	Shale	402
7	Shale & Lime	409
7	Lime	416
24	Shale	440
5	Lime	445
16	Shale	461
9	Lime	470
6	Shale	476
8	Lime	484
3	Shale	487
13	Lime	500
12	Shale	512
19	Lime	531
3	Shale	534
3	Lime	537
5	Shale	542
7	Lime	549
5	Shale	554
4	Sand	558
8	Sandy Shale	566
109	Shale	675
10	Sand	685
59	Shale	744
5	Lime	749
4	Shale	853
7	Lime	760
13	Shale	773
4	Lime	777
4	Shale	781



# Short Cuts

## TANK CAPACITY

BBLS. (42 gal.) equals  $D^2 \times .14 \times h$

D equals diameter in feet.

h equals height in feet.

## BARRELS PER DAY

Multiply gals. per minute x 34.2

HP equals BPH x PSI x .0004

BPH - barrels per hour

PSI - pounds square inch

## TO FIGURE PUMP DRIVES

\* D - Diameter of Pump Sheave

\* d - Diameter of Engine Sheave

SPM - Strokes per minute

RPM - Engine Speed

R - Gear Box Ratio

\*C - Shaft Center Distance

D -  $RPM \times d$  over  $SPM \times R$

d -  $SPM \times R \times D$  over RPM

SPM -  $RPM \times D$  over  $R \times D$

R -  $RPM \times D$  over  $SPM \times D$

BELT LENGTH -  $2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$

\* Need these to figure belt length

TO FIGURE AMPS:  $\frac{WATTS}{VOLTS} = AMPS$

746 WATTS equal 1 HP

# Log Book

Well No. 1

Farm Wiseman

KS Franklin  
(State) (County)

30 15 21  
(Section) (Township) (Range)

For TDR Construction  
(Well Owner)

15-059-27287

## Town Oilfield Services, Inc.

1207 N. 1st East  
Louisburg, KS 66053  
913-710-5400

Wiseman Farm: Franklin County

KS State; Well No. 1

Elevation 1084

Commenced Spuding 9-28 20 21

Finished Drilling 10-1 20 21

Driller's Name Wesley Dollard

Driller's Name Ryan Ward

Driller's Name

Tool Dresser's Name Ryan Roberts

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TDR

30 15 21

(Section) (Township) (Range)

Distance from S line, 1493 ft.

Distance from E line, 5035 ft.

4 sacks 2 7/8 casing  
8 hrs

5 7/8 borehole

CASING AND TUBING RECORD

10" Set \_\_\_\_\_ 10" Pulled \_\_\_\_\_

8" Set \_\_\_\_\_ 8" Pulled \_\_\_\_\_

6 1/4" Set 21 \_\_\_\_\_ 6 1/4" Pulled \_\_\_\_\_

4" Set \_\_\_\_\_ 4" Pulled \_\_\_\_\_

2" Set \_\_\_\_\_ 2" Pulled \_\_\_\_\_

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
888		Baffle			
919		Float		2	7/8
940		TD			

Thickness of Strata	Formation	Total Depth	Remarks
0-9	Soil-clay	9	
165	sandy shale	174	
25	Lime	199	
7	Shale	206	
10	Lime	216	
6	Shale	222	
17	Lime	239	
34	Shale	273	
21	Lime	294	
78	Shale	372	
27	Lime	399	
3	Shale	402	
7	Shale & Lime	409	
7	Lime	416	
24	Shale	440	
5	Lime	445	
16	Shale	461	
9	Lime	470	
6	Shale	476	
8	Lime	484	
3	Shale	487	
13	Lime	500	
12	Shale	512	
19	Lime	531	
3	Shale	534	
3	Lime	537	
5	Shale	542	



542

Thickness of Strata	Formation	Total Depth	Remarks
7	Lime	549	Herthy
5	Shale	554	
4	sand	558	grey- no oil
8	sandy shale	566	
109	Shale	675	
10	sand	685	grey- no oil
59	Shale	744	
<del>55</del>	Lime	749	
4	Shale	753	
7	Lime	760	
13	Shale	773	
4	Lime	777	
4	Shale	781	
14	Lime	795	
17	Shale	812	
5	Lime	817	
4	Shale	821	
1	sandy shale	822	no oil
13	sand	835	solid- good saturation
3	sand	838	broken- not much oil
102	Shale	940	TD



<b>Customer</b>	TDR Construction	<b>Lease &amp; Well #</b>	1, 1-3 Wiseman	<b>Date</b>	10/1/2021
<b>Service District</b>	Garnett	<b>County &amp; State</b>	FR, KS	<b>Legals S/TR</b>	30-15-21
<b>Job Type</b>	longstrings	<input checked="" type="checkbox"/> PROD	<input checked="" type="checkbox"/> INJ	<input type="checkbox"/> SWD	<b>Job #</b>
		<input checked="" type="checkbox"/> YES	<input type="checkbox"/> No		<b>Ticket #</b>
					EP2884

Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
09	Casey Kennedy	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
239	Garrett Scott	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
24B	Devin Katzer	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input checked="" type="checkbox"/> Specific Job Sequence/Expectations
	Nick Beets	<input checked="" type="checkbox"/> PRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations
		<input checked="" type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	

Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount
C010	Cement Pump Service	ea	2.00	\$1,350.00
M010	Heavy Equipment Mileage	mi	36.00	\$129.60
M015	Light Equipment Mileage	mi	36.00	\$64.80
M025	Ton Mileage - Minimum	each	1.00	\$270.00
CP065	50/50/2 Pozmix	sack	239.00	\$2,581.20
CP095	Bentonite Gel	lb	400.00	\$108.00
FE025	2 7/8" Rubber Plug	ea	2.00	\$72.00

**Customer Section: On the following scale how would you rate Hurricane Services Inc.?**

Based on this job, how likely is it you would recommend HSI to a colleague?

1  
  2  
  3  
  4  
  5  
  6  
  7  
  8  
  9  
  10  
 (1 = Not likely, 10 = Very likely)

<b>Total Taxable</b>	\$ -	<b>Tax Rate:</b>		<b>Net:</b>	\$4,575.60
<b>Sale Tax:</b>	\$ -				
<b>Total:</b>	\$				\$ 4,575.60

HSI Representative: *Casey Kennedy*

X \_\_\_\_\_ CUSTOMER AUTHORIZATION SIGNATURE

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 shall 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. In the event it is necessary to employ an agency and/or attorney to effect the collection, 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 discount previously applied in writing at net invoice price. Upon revocation, the full invoice price without discount is 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. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining suitable services.



**CEMENT TREATMENT REPORT**

Customer:	TDR Construction	Well:	Wiseman 1, I-3	Ticket:	EP2884
City, State:	Louisburg, KS	County:	FR, KS	Date:	10/1/2021
Field Rep:	Lance Town	S-T-R:	30-15-21	Service:	longstrings

Downhole Information	
Hole Size:	5 5/8 in
Hole Depth:	940 ft
Casing Size:	2 7/8 in
Casing Depth:	919 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	affle
Tool Depth:	888 ft
Displacement:	5.14 bbls

Calculated Slurry - Lead	
Blend:	50/50/2
Weight:	14.25 ppg
Water / Sk:	5.63 gal / sk
Yield:	1.24 ft <sup>3</sup> / sk
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	bbls
Total Sacks:	0 sk

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sk:	gal / sk
Yield:	ft <sup>3</sup> / sk
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sk

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
10:00 AM			-	-	on location, held safety meeting
	4.0			-	#1 - established circulation
	4.0			-	mixed and pumped 200# Bentonite Gel followed by 4 bbls fresh water
	4.0			-	mixed and pumped 120 sks 50/50/2 Pozmix cement, cement to surface
	4.0			-	flushed pump clean
	1.0			-	pumped 2 7/8" rubber plug to affle with 5.14 bbls fresh water
	1.0			-	pressured to 800 PSI, well held pressure
				-	released pressure to set float valve
	4.0			-	washed up equipment
	4.0				#-3 - established circulation
	4.0				mixed and pumped 200# Bentonite Gel followed by 4 bbls fresh water
	4.0				mixed and pumped 119 sks 50/50/2 Pozmix cement, cement to surface
	4.0				flushed pump clean
	1.0				pumped 2 7/8" rubber plug to affle with 5.13 bbls fresh water
	1.0				pressured to 800 PSI, well held pressure
					released pressure to set float valve
	4.0				washed up equipment
12:00 PM					left location

CREW		UNIT	SUMMARY		
Cementer:	Casey Kennedy	89	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Garrett Scott	239	3.1 bpm	- psi	- bbls
Bulk:	Devin Katzer	248			
H2O:	Nick Beets				