KOLAR Document ID: 1598910

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 # 32218
Name: TDR Construction, Inc.
Address 1: PO BOX 339
Address 2:
City: LOUISBURG State: KS Zip: 66053 + 0339
Contact Person: Lance Town
Phone: ( 913 ) 710-5400
CONTRACTOR: License # 32218
Name: TDR Construction, Inc.
Wellsite Geologist: NA
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 #:

10/14/2021 Spud Date or Recompletion Date
10/15/2021 Date Reached TD
10/15/2021 Completion Date or Recompletion Date

API No.: 15-059-27270-00-00
Spot Description:
SE - NW - NW - SW Sec. 30 Twp. 15 S. R. 21 ☑ East ☐ West
2193 Feet from ☐ North / ☑ South Line of Section
4685 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Franklin
Lease Name: WISEMAN Well #: 14
Field Name: Baldwin
Producing Formation: Squirrel
Elevation: Ground: 1095 Kelly Bushing: 0
Total Vertical Depth: 940 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 20 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 0
feet depth to: 20 w/ 4 sx cmt.

**Drilling Fluid Management Plan**
*(Data must be collected from the Reserve Pit)*
Chloride content: 1500 ppm Fluid volume: 20 bbls
Dewatering method used: Evaporated
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:** Deanna Garrison **Date:** 11/17/2021

Operator Name: TDR Construction, Inc. Lease Name: WISEMAN Well #: 14

Sec. 30 Twp. 15 S. R. 21 ☑ East ☐ West County: Franklin

**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 ☐ Yes ☑ No
*(Attach Additional Sheets)*

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Geologist Report / Mud Logs ☐ Yes ☑ No

List All E. Logs Run:

GammaRay/NeutronCLL

☑ Log Formation (Top), Depth and Datum ☐ Sample

| Name | Top | Datum |
|---|---|---|
| Squirrel | 838 | GL |

CASING RECORD ☑ New ☐ 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 |
|---|---|---|---|---|---|---|---|
| Surface | 9 | 6.25 | 12 | 20 | Portland | 4 | 50/50 POZ |
| Production | 5.625 | 2.875 | 6.5 | 899 | Portland | 119 | 50/50 POZ |
| | | | | | | | |

ADDITIONAL CEMENTING / SQUEEZE RECORD

| Purpose: | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
|---|---|---|---|---|
| ☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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: 10/15/2021

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

| Estimated Production Per 24 Hours | Oil | Bbls. | Gas | Mcf | Water | Bbls. | Gas-Oil Ratio | Gravity |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
*(If vented, Submit ACO-18.)*

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*

PRODUCTION INTERVAL:

| Top | Bottom |
|---|---|
| 838 | 851 |
| | |

| Shots Per Foot | Perforation Top | Perforation Bottom | Bridge Plug Type | Bridge Plug Set At | Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)* |
|---|---|---|---|---|---|
| | 838 | 851 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

TUBING RECORD: Size: Set At: Packer At:

**Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202**

| | |
|---|---|
| Form | ACO1 - Well Completion |
| Operator | TDR Construction, Inc. |
| Well Name | WISEMAN 14 |
| Doc ID | 1598910 |

Casing

| Purpose Of String | Size Hole Drilled | Size Casing Set | Weight | Setting Depth | Type Of Cement | Number of Sacks Used | Type and Percent Additives |
|---|---|---|---|---|---|---|---|
| Surface | 9 | 6.25 | 12 | 20 | Portland | 4 | 50/50 POZ |
| Production | 5.625 | 2.875 | 6.5 | 899 | Portland | 119 | 50/50 POZ |
| | | | | | | | |
| | | | | | | | |

# CEMENT TREATMENT REPORT

| | | | | | |
|---|---|---|---|---|---|
| Customer: | TDR Construction | Well: | Wiseman 15, 14 | Ticket: | EP2976 |
| City, State: | Louisburg, KS | County: | FR, KS | Date: | 10/15/2021 |
| 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: | 931 ft |
| Tubing / Liner: | in |
| Depth: | ft |
| Tool / Packer: | baffle |
| Tool Depth: | 899 ft |
| Displacement: | 5.20 bbls |

| Calculated Slurry - Lead | |
|---|---|
| Blend: | 50/50/2 |
| Weight: | 14.25 ppg |
| Water / Sx: | 5.63 gal / sx |
| Yield: | 1.24 $ft^3$ / sx |
| Annular Bbls / Ft.: | bbs / ft. |
| Depth: | ft |
| Annular Volume: | 0.0 bbls |
| Excess: | |
| Total Slurry: | bbls |
| Total Sacks: | 0 sx |

| Calculated Slurry - Tail | |
|---|---|
| Blend: | |
| Weight: | ppg |
| Water / Sx: | gal / sx |
| Yield: | $ft^3$ / sx |
| Annular Bbls / Ft.: | bbs / ft. |
| Depth: | ft |
| Annular Volume: | 0 bbls |
| Excess: | |
| Total Slurry: | 0.0 bbls |
| Total Sacks: | 0 sx |

| TIME | RATE | PSI | STAGE BBLs | TOTAL BBLs | REMARKS |
|---|---|---|---|---|---|
| 1:30 PM | | | - | - | on location, held safety meeting |
| | | | | - | |
| | 4.0 | | | - | #15 - 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 baffle with 5.20 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 | | | | #14 - established circulation |
| | 4.0 | | | | mixed and pumped 200# Bentonite Gel followed by 4 bbls fresh water |
| | 4.0 | | | | mixed and pumped 110 sks 50/50/2 Pozmix cement, cement to surface |
| | 4.0 | | | | flushed pump clean |
| | 1.0 | | | | pumped 2 7/8" rubber plug to baffle with 5.16 bbls fresh water |
| | 1.0 | | | | pressured to 800 PSI, well held pressure |
| | | | | | released pressure to set float valve |
| | 4.0 | | | | washed up equipment |
| | | | | | |
| 3:30 PM | | | | | left location |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| | CREW | UNIT |
|---|---|---|
| Cementer: | Casey Kennedy | 89 |
| Pump Operator: | Garrett Scott | 239 |
| Bulk. | Nick Beets | 249 |
| H2O. | | |

| SUMMARY | | |
|---|---|---|
| Average Rate | Average Pressure | Total Fluid |
| 3.1 bpm | - psi | - bbls |

fvr: 15-2021/01/25
mplv: 201-2021/09/15

Hurricane Services, Inc.
250 N. Water St., Suite #200
Wichita, KS 67202

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Customer** | TDR Construction | **Lease & Well #** | Wiseman 15, 14 | | | **Date** | 10/15/2021 |
| **Service District** | Garnett | **County & State** | FR, KS | **Legals S/T/R** | 30-15-21 | **Job #** | |
| **Job Type** | longstrings | ☑ PROD ☐ INJ ☐ SWD | | **New Well?** | ☑ YES ☐ No | **Ticket #** | EP2976 |

| Equipment # | Driver |
|---|---|
| 89 | Casey Kennedy |
| 239 | Garrett Scott |
| 248 | Nick Beets |
| | |
| | |
| | |
| | |
| | |

**Job Safety Analysis - A Discussion of Hazards & Safety Procedures**

| | | | |
|---|---|---|---|
| ☑ Hard hat | ☑ Gloves | ☐ Lockout/Tagout | ☐ Warning Signs & Flagging |
| ☑ H2S Monitor | ☑ Eye Protection | ☐ Required Permits | ☐ Fall Protection |
| ☑ Safety Footwear | ☐ Respiratory Protection | ☑ Slip/Trip/Fall Hazards | ☑ Specific Job Sequence/Expectations |
| ☑ FRC/Protective Clothing | ☐ Additional Chemical/Acid PPE | ☐ Overhead Hazards | ☑ Muster Point/Medical Locations |
| ☑ Hearing Protection | ☑ Fire Extinguisher | ☐ Additional concerns or issues noted below | |

**Comments**

Customer supplied water for cementing

| 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 | | | $100.00 |
| 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?**

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely likely

| | | | | | |
|---|---|---|---|---|---|
| | | | | Net: | $4,576.60 |
| **Total Taxable** | $ - | **Tax Rate:** | | | |
| State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt. | | | **Sale Tax:** | $ - | |
| | | | **Total:** | $ | 4,576.60 |

HSI Representative: Casey Kennedy

**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 ½% 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 affect 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 discounts previously applied in arriving 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 taxable services.

X_____ CUSTOMER AUTHORIZATION SIGNATURE

Franklin County, KS
Well: Wiseman # 14
Lease Owner: TDR

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

Commenced Spudding:
10/14/21

WELL LOG

| Thickness of Strata | Formation | Total Depth |
|---|---|---|
| 0-6 | Soil-Clay | 6 |
| 1 | Lime | 7 |
| 33 | Sandy Shale | 40 |
| 133 | Shale | 173 |
| 5 | Lime | 178 |
| 3 | Shale | 181 |
| 17 | Lime | 198 |
| 7 | Shale | 205 |
| 11 | Lime | 216 |
| 5 | Shale | 221 |
| 18 | Lime | 239 |
| 32 | Shale | 271 |
| 27 | Lime | 298 |
| 73 | Shale | 371 |
| 27 | Lime | 398 |
| 9 | Shale | 407 |
| 8 | Lime | 415 |
| 21 | Shale | 436 |
| 5 | Lime | 441 |
| 19 | Shale | 460 |
| 3 | Lime | 463 |
| 10 | Shale | 473 |
| 25 | Lime | 498 |
| 7 | Shale | 505 |
| 25 | Lime | 530 |
| 3 | Shale | 533 |
| 4 | Lime | 537 |
| 3 | Shale | 540 |
| 6 | Lime | 546 |
| 4 | Shale | 550 |
| 13 | Sandy Shale | 563 |
| 104 | Shale | 667 |
| 13 | Sand | 680 |
| 40 | Shale | 720 |
| 8 | Lime | 728 |
| 19 | Shale | 747 |
| 6 | Lime | 753 |
| 15 | Shale | 768 |
| 4 | Lime | 772 |
| 8 | Shale | 780 |

Franklin County, KS
Well: Wiseman # 14
Lease Owner: TDR

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

Commenced Spudding:
10/14/21

| | | |
|---|---|---|
| 2 | Lime | 782 |
| 4 | Shale | 786 |
| 7 | Lime | 793 |
| 25 | Shale | 818 |
| 1 | Sandy Shale | 819 |
| 2 | Limey Sand | 821 |
| 8 | Sand | 829 |
| 5 | Sand | 834 |
| 2 | Sand | 836 |
| 14 | Sandy Shale | 850 |
| 90 | Shale | 940-TD |

# Short Cuts

**TANK CAPACITY**

**BBLS. (42 gal.) equals $D^2$x.14xh**

**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**

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**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 - RPMxd over SPMxR**

**d - SPMxRxD over RPM**

**SPM - RPMXD over RxD**

**R - RPMXD over SPMxD**

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

* Need these to figure belt length

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

746 WATTS equal 1 HP

# Log Book

Well No. 14

Farm Wiseman

KS (State) Franklin (County)

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

For TDR Construction (Well Owner)

15-059-27270


**Town Oilfield Services, Inc.**

*1207 N. 1st East*

*Louisburg, KS 66053*

*913-710-5400*

Wiseman Farm: Franklin County

KS State; Well No. 14

Elevation 1095

Commenced Spuding 10-14 20 21

Finished Drilling 10-15 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, 2193 ft.

Distance from E line, 4685 ft.

4 sacks

9 hrs

5 5/8 borehole

2 7/8 casing

## CASING AND TUBING RECORD

| | | | |
|---|---|---|---|
| 10" Set | | 10" Pulled | |
| 8" Set | | 8" Pulled | |
| 6¼" Set | 20 | 6¼" Pulled | |
| 4" Set | | 4" Pulled | |
| 2" Set | | 2" Pulled | |

### CASING AND TUBING MEASUREMENTS

| Feet | In. | Feet | In. | Feet | In. |
|---|---|---|---|---|---|
| 892 | | Bottle | | | |
| 923 | | Float | | | |
| 940 | | TD | | | |

| Thickness of Strata | Formation | Total Depth | Remarks |
|---|---|---|---|
| 0-6 | soil - clay | 6 | |
| 1 | Lime | 7 | |
| 33 | Sandy Shale | 40 | |
| 133 | Shale | 173 | |
| 5 | Lime | 178 | |
| 3 | Shale | 181 | |
| 17 | Lime | 198 | |
| 7 | Shale | 205 | |
| 11 | Lime | 216 | |
| 5 | Shale | 221 | |
| 18 | Lime | 239 | |
| 32 | Shale | 271 | |
| 27 | Lime | 298 | |
| 73 | Shale | 371 | |
| 27 | Lime | 398 | |
| 9 | Shale | 407 | |
| 8 | Lime | 415 | |
| 21 | Shale | 436 | |
| 5 | Lime | 441 | |
| 19 | Shale | 460 | |
| 3 | Lime | 463 | |
| 10 | Shale | 473 | |
| 25 | Lime | 498 | 474 - 483 - oil show |
| 7 | Shale | 505 | |
| 25 | Lime | 530 | |
| 3 | Shale | 533 | |
| 4 | Lime | 537 | |

537

| Thickness of Strata | Formation | Total Depth | Remarks |
|---|---|---|---|
| 3 | Shale | 540 | |
| 6 | Lime | 546 | Hertha |
| 4 | Shale | 550 | |
| 13 | sandy shale | 563 | |
| 104 | Shale | 667 | |
| 13 | Sand | 680 | grey - no Oil |
| 40 | Shale | 720 | |
| 8 | Lime | 728 | |
| 19 | Shale | 747 | |
| 6 | Lime | 753 | |
| 15 | Shale | 768 | |
| 4 | Lime | 772 | |
| 8 | Shale | 780 | |
| 2 | Lime | 782 | |
| 4 | Shale | 786 | |
| 7 | Lime | 793 | |
| 25 | Shale | 818 | |
| 1 | sandy shale | 819 | odor |
| 2 | limey sand | 821 | slight Oil show |
| 8 | Sand | 829 | solid - good saturation |
| 5 | Sand | 834 | broken - good Oil show |
| 2 | Sand | 836 | broken - not much Oil |
| 14 | sandy shale | 850 | |
| 90 | Shale | 940 | TD |