KOLAR Document ID: 1598919

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 #:

10/05/2021 Spud Date or Recompletion Date
10/08/2021 Date Reached TD
10/08/2021 Completion Date or Recompletion Date

API No.: 15-059-27309-00-00
Spot Description:
SW - SE - NW - SW Sec. 30 Twp. 15 S. R. 21 ☑ East ☐ West
1493 Feet from ☐ North / ☑ South Line of Section
4355 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 #: 22
Field Name: Baldwin
Producing Formation: Squirrel
Elevation: Ground: 1047 Kelly Bushing: 0
Total Vertical Depth: 880 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 #: 22

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 *(Attach Additional Sheets)*	☐ Yes	☑ No
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	821	Portland	104	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: 10/08/2021

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 22
Doc ID	1598919

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	821	Portland	104	50/50 POZ

Franklin County, KS
Well:Wiseman # 22
Lease Owner: TDR

TDR Construction
(913) 710-5400

Commenced Spudding:
10/5/21

WELL LOG

Thickness of Strata	Formation	Total Depth
0-24	Soil-Clay	24
94	Sandy Shale	118
25	Lime	143
8	Shale	151
11	Lime	162
5	Shale	167
17	Lime	184
32	Shale	216
22	Lime	238
80	Shale	318
25	Lime	343
12	Shale	355
5	Lime	360
26	Shale	386
4	Lime	390
17	Shale	407
2	Lime	409
14	Shale	423
8	Lime	431
2	Shale	433
14	Lime	447
11	Shale	458
24	Lime	482
3	Shale	485
4	Lime	489
3	Shale	492
6	Lime	498
3	Shale	501
5	Limey Sand	506
8	Sand	514
108	Shale	622
12	Sand	634
34	Shale	668
8	Lime	676
8	Shale	684
4	Lime	688
7	Shale	695
7	Lime	702
15	Shale	717
4	Lime	721

Franklin County, KS
Well:Wiseman # 22
Lease Owner: TDR

TDR Construction
(913) 710-5400

Commenced Spudding:
10/5/21

12	Shale	733
6	Lime	739
18	Shale	757
1	Lime	758
9	Shale	767
2	Sand	769
2	Limey Sand	771
5	Sand	776
6	Sand	782
98	Sandy Shale	880-TD

Short Cuts

TANK CAPACITY

BBLS. (42 gal.) equals D^2x.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

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. 22

Farm Wiseman

KS (State) Franklin (County)

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

For TDR Construction (Well Owner)

15-059-27309

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Wiseman Farm: Franklin County

KS State; Well No. 22

Elevation 1047

Commenced Spuding 10-5, 2021

Finished Drilling 10-8, 2021

Driller's Name Wesley Dollard

Driller's Name

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, 4355 ft.

4 sacks 2 7/8 casing

9 hrs

5 5/8 borehole

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.
821	Baffle				
852	Float			2	7/8
880	TD				

Thickness of Strata	Formation	Total Depth	Remarks
0-24	soil-clay	24	
94	sandy shale	118	
25	Lime	143	
8	Shale	151	
11	Lime	162	
5	Shale	167	
17	Lime	184	
32	Shale	216	
22	Lime	238	
80	Shale	318	
25	Lime	343	
12	Shale	355	
5	Lime	360	
26	Shale	386	
4	Lime	390	
17	Shale	407	
2	Lime	409	
14	Shale	423	
8	Lime	431	
2	Shale	433	
14	Lime	447	
11	Shale	458	
24	Lime	482	
3	Shale	485	
4	Lime	489	
3	Shale	492	
6	Lime	498	Hertha

498

Thickness of Strata	Formation	Total Depth	Remarks
3	Shale	501	
5	limey sand	506	grey - no Oil
8	Sand	514	grey no Oil
108	Shale	622	
12	Sand	634	no Oil
34	Shale	668	
8	Lime	676	
8	Shale	684	
4	Lime	688	
7	Shale	695	
7	Lime	702	
15	Shale	717	
4	Lime	721	
12	Shale	733	
6	Lime	739	
18	Shale	757	
1	Lime	758	
9	Shale	767	
2	sand	769	broken - good oil show
2	limey sand	771	not much Oil
5	sand	776	solid - good saturation
6	sand	782	broken - good saturation
98	sandy shale	880	TD

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

HSI

Customer	TDR Construction	**Lease & Well #**	Wiseman 22, I-2, 12			**Date**	10/8/2021
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 #**	EP2926

Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
89	Casey Kennedy	☑ Hard hat	☑ Gloves	☐ Lockout/Tagout	☐ Warning Signs & Flagging
239	Nick Beets	☑ H2S Monitor	☑ Eye Protection	☐ Required Permits	☐ Fall Protection
240	Keith Detwiler	☑ Safety Footwear	☐ Respiratory Protection	☑ Slip/Trip/Fall Hazards	☑ Specific Job Sequence/Expectations
246	Alan Mader	☑ 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	3.00			$2,025.00
M010	Heavy Equipment Mileage	mi	36.00			$129.60
M015	Light Equipment Mileage	mi	36.00			$64.80
M025	Ton Mileage - Minimum	each	2.00			$540.00
CP065	50/50/2 Pozmix	sack	336.00			$3,628.80
CP095	Bentonite Gel	lb	600.00			$162.00
FE025	2 7/8" Rubber Plug	ea	3.00			$108.00

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:	$6,658.20
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:	$ 6,658.20

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 [illegible] equipment in [illegible] condition to receive services by HSI. Likewise, [illegible] customer [illegible] property while HSI is on location performing services. The [illegible] and acceptance of all terms [illegible] accurate well information in determining taxable services.

X________________________________ CUSTOMER AUTHORIZATION SIGNATURE

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

CEMENT TREATMENT REPORT

Customer:	TDR Construction	**Well:**	Wiseman 22, I-2, 12	**Ticket:**	EP2926
City, State:	Louisburg, KS	**County:**	FR, KS	**Date:**	10/8/2021
Field Rep:	Lance Town	**S-T-R:**	30-15-21	**Service:**	longstrings

Downhole Information	
Hole Size:	5 5/8 in
Hole Depth:	ft
Casing Size:	2 7/8 in
Casing Depth:	ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	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
12:30 PM			-	-	on location, held safety meeting
				-	
	4.0			-	#22 - established circulation
	4.0			-	mixed and pumped 200# Bentonite Gel followed by 4 bbls fresh water
	4.0			-	mixed and pumped 104 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 4.75 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			-	#I-2 - established circulation
	4.0				mixed and pumped 200# Bentonite Gel followed by 4 bbls fresh water
	4.0				mixed and pumped 116 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 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				#12 - established circulation
	4.0				mixed and pumped 200# Bentonite Gel followed by 4 bbls fresh water
	4.0				mixed and pumped 116 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 4.98 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:	Nick Beets	239
Bulk:	Keith Detwiler	248
H2O:	Alan Mader	246

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