Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1367672

Form ACO-1
November 2016
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 6142
Name: Town Oil Company Inc.
Address 1: 16205 W 287TH ST
Address 2:
City: PAOLA State: KS Zip: 66071 + 8482
Contact Person: Lester Town
Phone: (913) 294-2125
CONTRACTOR: License # 33715
Name: Town Oilfield Service
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 #:

8/17/2017 Spud Date or Recompletion Date
8/28/2017 Date Reached TD
8/28/2017 Completion Date or Recompletion Date

API No.: 15-103-21454-00-00
Spot Description:
NE - SW - NE - SE Sec. 16 Twp. 12 S. R. 21 ☑ East ☐ West
1753 Feet from ☐ North / ☑ South Line of Section
977 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: Leavenworth
Lease Name: BRESHEARS Well #: 17-6
Field Name:
Producing Formation: Squirrel
Elevation: Ground: 860 Kelly Bushing: 860
Total Vertical Depth: 760 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 45 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: 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:** Karen Ritter **Date:** 09/26/2017

[redacted] 1367672

Operator Name: Town Oil Company Inc. Lease Name: BRESHEARS Well #: 17-6

Sec. 16 Twp. 12 S. R. 21 ☑ East ☐ West County: Leavenworth

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

Geolgist Report / Mud Logs ☐ Yes ☑ No

List All E. Logs Run:

GammaRayNeutronCCL

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

Name	Top	Datum
GammaRay	20	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	7	10	40	Portland	5	50/50 POZ
Production	5.625	2.875	8	730	Portland	108	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: 9/25/2017

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
654	664

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)*
	654	664			

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	Town Oil Company Inc.
Well Name	BRESHEARS 17-6
Doc ID	1367672

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	7	10	40	Portland	5	50/50 POZ
Production	5.625	2.875	8	730	Portland	108	50/50 POZ

Leavenworth County, KS
Well: Breshears 17-6
Lease Owner: TOC

Town Oilfield Service, Inc.
(913) 294-2125

Commenced Spudding:
8/17/17

WELL LOG

Thickness of Strata	Formation	Total Depth
0-9	Soil-Clay	9
14	Sand	23
27	Shale	50
12	Lime	62
3	Shale	65
14	Lime	79
7	Shale	86
5	Lime	91
16	Shale	107
32	Lime	139
12	Sand	151
23	Lime	174
3	Shale	177
39	Lime	216
19	Shale	235
4	Lime	239
4	Shale	243
2	Lime	245
15	Shale	260
12	Lime	272
17	Shale	289
29	Lime	318
3	Shale	321
20	Lime	341
6	Shale	347
24	Lime	371
4	Shale	375
6	Lime	381
4	Shale	385
9	Lime	394
11	Shale	405
6	Sand	411
86	Shale	497
18	Sand	515
21	Shale	536
3	Lime	539
17	Shale	556
5	Lime	561
5	Shale	566
3	Lime	569

Leavenworth County, KS
Well: Breshears 17-6
Lease Owner: TOC

Town Oilfield Service, Inc.
(913) 294-2125

Commenced Spudding:
8/17/17

8	Shale	577
7	Lime	584
17	Shale	601
3	Lime	604
6	Shale	610
8	Lime	618
13	Shale	631
2	Lime	633
9	Shale	642
6	Shale & Lime	648
3	Shale	651
1	Lime	652
1	Shale	653
1	Sand	654
18	Sandy Shale	690
70	Shale	760-TD

Core		
		655
1	Sand	659
4	Sand	660
1	Sand	665
5	Sand	672
7	Sandy Shale	

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. 17-6

Farm Breshears

KS (State) Leavenworth (County)

16 (Section) 12 (Township) 21 (Range)

For Town Oil Company (Well Owner)

15-103-21454

Town Oilfield Services, Inc.
1207 N. 1st East
Louisburg, KS 66053
913-710-5400

Breshears Farm: Leavenworth County

KS State; Well No. 17-6

Elevation 858

Commenced Spuding 8-17 20 17

Finished Drilling 8-28 20 17

Driller's Name Wesley Dollard

Driller's Name Ryan Ward

Driller's Name

Tool Dresser's Name Drake Williams

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOS

16 12 21

(Section) (Township) (Range)

Distance from S line, 1811 ft.

Distance from E line, 886 ft.

5 sacks 2 7/8 casing
1 core
12 hrs
5 5/8 Gore hole

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set		8" Pulled	
~~7 5/8~~" Set	40	6¼" Pulled	
4" Set		4" Pulled	
2" Set		2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
698.30		Baffle			
730.05		Float			
760 TD				2 7/8	

Thickness of Strata	Formation	Total Depth	Remarks
0-9	Soil-clay	9	
14	Sand	23	no water
27	Shale	50	
12	Lime	62	sandy
3	Shale	65	
14	Lime	79	
7	Shale	86	
5	Lime	91	
16	Shale	107	
32	Lime	139	
12	Sand	151	grey - no oil
23	Lime	174	
3	Shale	177	
39	Lime	216	
19	Shale	235	
4	Lime	239	
4	Shale	243	
2	Lime	245	
15	Shale	260	redbed
12	Lime	272	
17	Shale	289	
29	Lime	318	
3	Shale	321	
20	Lime	341	
6	Shale	347	
24	Lime	371	
4	Shale	375	

375

Thickness of Strata	Formation	Total Depth	Remarks
6	Lime	381	
4	Shale	385	
9	Lime	394	Hertha
11	Shale	405	
6	Sand	411	grey - no Oil
86	Shale	497	
18	Sand	515	broken - good Oil show
21	Shale	536	redbed
3	Lime	539	
17	Shale	556	
5	Lime	561	
5	Shale	566	
3	Lime	569	
8	Shale	577	
7	Lime	584	
17	Shale	601	
3	Lime	604	
6	Shale	610	
8	Lime	618	
13	Shale	631	redbed
2	Lime	633	
9	Shale	642	
6	Shale & Lime	648	
3	Shale	651	
1	Lime	652	
1	Shale	653	
1	Sand	654	no show - odor

654

Thickness of Strata	Formation	Total Depth	Remarks
	Core		
1	sand	655	broken - not much oil
4	sand	659	mostly solid - good saturation
1	sand	660	no oil
5	sand	665	mostly solid - good saturation
7	sandy shale	672	
		672	
18	sandy shale	690	
70	shale	760	TD

Town Oilfield Service

P.O Box 339 Louisburg, Ks 66053
913-837-8400

Ticket Number_____
Location_____
Foreman_____

Field Ticket & Treatment Report

Cement

Date	Customer#	Well Name & Number	Section	Township	Range	County
8-28-17		Brashears 17-6	16	12	21	LV

Customer	Mailing Address
Lester Town	
	City / State / Zip Code

Job Type Long String Hole Size 5 5/8 Hole Depth 760 Casing Size & Weight 2 7/8

Casing Depth 730 Drill Pipe_____ Tubing_____ Other_____

Displacement_____ Displacement PSI_____ Mix PSI_____ Rate_____

Remarks_____

Account Code	Quantity or Units	Description of Services or Product	Unit Price	Total
		Pump Charge		700
		Cement Truck		250
		Water Truck		0
	108	Cement		1080
		Gel		
		Plug		35
			Sales Tax	
			Estimated Total	2045

Authorization_____ Title_____ Date_____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.