KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1138051

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 32116
Name: R.T. Enterprises of Kansas, Inc.
Address 1: 120 SHORELINE DR
Address 2:
City: LOUISBURG State: KS Zip: 66053 + __ __ __ __
Contact Person: Lance Town
Phone: (913) 710-5400
CONTRACTOR: License # 33715
Name: Town Oilfield Service
Wellsite Geologist: NA
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [x] 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
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

4/25/2013	4/26/2013	4/26/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-045-21906-00-00
Spot Description:
SE - NE - SW - SE Sec. 11 Twp. 15 S. R. 20 [x] East [ ] West
835 Feet from [ ] North / [x] South Line of Section
1480 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Douglas
Lease Name: Finnerty Well #: 31
Field Name:
Producing Formation: Squirrel
Elevation: Ground: 1070 Kelly Bushing: 0
Total Depth: 980 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 86 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: 86 w/ 40 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 1500 ppm Fluid volume: 80 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

- [ ] **Letter of Confidentiality Received**
  Date:
- [ ] **Confidential Release Date:**
- [x] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrison **Date:** 06/21/2013

Side Two

[redacted]

1138051

Operator Name: R.T. Enterprises of Kansas, Inc. Lease Name: Finnerty Well #: 31

Sec. 11 Twp. 15 S. R. 20 ☑ East ☐ West County: Douglas

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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
Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

GammaRay/Neutron/CCL

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

Name	Top	Datum
GammaRay		

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	86	Portland	40	50/50 POZ
Completion	5.6250	2.8750	8	953	Portland	154	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	-			
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
3	872-882	2" DML RTG	10

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 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)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Douglas County, KS
Well: Finnerty 31
Lease Owner: R.T. Enterprises

Town Oilfield Service, Inc.
(913) 837-8400

Commenced Spudding:
4/25/2013

WELL LOG

15-045-21906

Thickness of Strata	Formation	Total Depth
3	Soil/Clay	3
76	Sand	79
2	Lime	81
118	Shale	199
5	Lime	204
7	Shale	211
14	Lime	225
7	Shale	232
9	Lime	241
5	Shale	246
3	Lime	249
13	Shale & Shells	262
3	Lime	265
5	Shale	270
12	Sandy Shale & Sand	282
15	Shale	297
18	Lime	315
22	Sand & Sandy Shale	337
54	Shale	391
23	Lime	414
16	Shale	430
2	Lime & Shale	432
6	Lime	438
17	Shale	455
6	Sand	461
16	Lime	477
6	Shale	483
1	Lime	484
13	Shale	497
24	Lime	521
9	Shale	530
22	Lime	552
4	Shale	556
4	Lime	560
5	Shale	565
5	Lime	570
5	Shale	575
15	Sand	590
30	Shale	625
39	Sandy Shale	664

Douglas County, KS
Well: Finnerty 31
Lease Owner: R.T. Enterprises

Town Oilfield Service, Inc.
(913) 837-8400

Commenced Spudding:
4/25/2013

24	Shale	688
12	Sand	700
5	Sandy Shale	705
40	Shale	745
7	Lime	752
5	Shale	757
1	Lime	758
13	Shale	771
11	Lime & Shale	782
11	Shale	793
3	Lime	796
4	Shale	800
9	Sand & Sandy Shale	809
6	Shale	815
6	Lime	821
51	Shale	872
2	Sand	874
14	Shale	898
2	Sand	900
2	Sandy Shale	902
13	Shale	915
4	Sand	919
5	Sandy Shale	924
56	Shale	980

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. 31

Farm Summers

KS (State) Douglas (County)

11 (Section) 15 (Township) 20 (Range)

For RT Enterprises (Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Quincy Farm: Douglas County

KS State; Well No. 31

Elevation 1070

Commenced Spuding 4-25 2013

Finished Drilling 1-26 2013

Driller's Name Chad Hawk

Driller's Name

Driller's Name

Tool Dresser's Name Corey Perry

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOS

11 15 20

(Section) (Township) (Range)

Distance from S line, 435 ft.

Distance from E line, 1480 ft.

Cemented by Consolidated

CASING AND TUBING RECORD

10" Set		10" Pulled	
7⅞" Set	86'	8" Pulled	
6¼" Set		6¼" Pulled	
4" Set		4" Pulled	
2" Set	953.20	2" Pulled	

922.90 Basket

950 TD

Thickness of Strata	Formation	Total Depth	Remarks
3	soil/clay	3	
76	sand	79	water - 50'
2	Lime	81	
118	shale	199	
5	Lime	204	
7	shale	211	
14	Lime	225	
7	shale	232	
9	Lime	241	
5	shale	246	
3	Lime	249	
13	shale + shells	262	
3	Lime	265	
5	shale	270	
12	sandy shale + red	282	
15	shale	297	
18	Lime	315	
22	sand + sandy shale	337	
54	shale	391	
23	Lime	414	
16	shale	430	
2	Lime + shale	432	
6	Lime	438	
17	shale	455	
6	sand	461	oil, no oil
16	Lime	477	
6	shale	483	

'453

Thickness of Strata	Formation	Total Depth	Remarks
1	Lime	454	
13	shale	467	
24	Lime	521	
9	shale	530	
22	Lime	552	
4	shale	556	
4	Lime	560	
5	shale	565	
5	Lime	570	
5	shale	575	
15	sand	590	Show, no oil
35	shale	625	
39	sand & shale	664	
24	shale	688	
12	sand	700	Show, no oil
5	sandy shale	705	
40	shale	745	
7	Lime	752	
5	shale	757	
1	Lime	758	
13	shale	771	
11	Lime & shale	782	
11	shale	793	
3	Lime	796	
4	shale	800	
9	sand & sandy shale	809	
6	shale	815	

815

Thickness of Strata	Formation	Total Depth	Remarks
6	Lime	821	
51	Shale	872	red-bed-527
2	Sand	874	Odor, Broken sand, 40%-50%
14	shale	888	
2	sand	900	odor, little oil, Broken sand
2	sand, shale	902	no oil
13	Shale	915	
4	Sand	919	light brown sand, no oil
5	sandy shale	924	
56	Shale	980	TD

CONSOLIDATED
Oil Well Services, LLC

258329

TICKET NUMBER 41765
LOCATION Ottawa, KS
FOREMAN Casey Kennedy

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4/25/13	5954	Finnerty # 31	SE 11	15	20	DG

CUSTOMER: Ojenroc
MAILING ADDRESS: 120 Shoreline Dr
CITY: Louisburg | STATE: KS | ZIP CODE: 66053

TRUCK #	DRIVER	TRUCK #	DRIVER
481	Carken	✓ Safety	Meeting
6666	GarMac	✓	
558	Jas Ric	✓	
675	Kei Det	✓	

JOB TYPE Surface | HOLE SIZE 9 1/2" | HOLE DEPTH 88' | CASING SIZE & WEIGHT 7"
CASING DEPTH 86' | DRILL PIPE | TUBING | OTHER
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING 8'
DISPLACEMENT 3.25 bbls | DISPLACEMENT PSI | MIX PSI | RATE

REMARKS: held safety meeting, established circulation, mixed & pumped 40 sks 50/50 Pozmix cement w/ 2% gel per sk, cement to surface, displaced cement w/ 3.25 bbls fresh water, shut in casing.

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401S	1	PUMP CHARGE		870.00
5406	on lease	MILEAGE		—
5402	86'	casing footage		—
5407	1/2 minimum	ton mileage		184.00
5502C	2 hrs	80 Vac		180.00
1124	40 sks	50/50 Pozmix cement		460.00
1118B	67 #	Premium Gel		14.74
		7.3%	SALES TAX	34.66
			ESTIMATED TOTAL	1743.40

completed

Ravin 3737

AUTHORIZTION No Co. Rep. on location 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.

CONSOLIDATED
Oil Well Services, LLC

258344

TICKET NUMBER 41766
LOCATION Oltawa, KS
FOREMAN Casey Kennedy

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4/26/13	5954	Finnerty # 31	SE 11	15	20	D6

CUSTOMER: Ojenroc
MAILING ADDRESS: 120 Shoreline Dr
CITY: Louisburg | STATE: KS | ZIP CODE: 66053

TRUCK #	DRIVER	TRUCK #	DRIVER
481	CasKen	✓ Safety	Meeting
666	GarMog	✓	
558	DanDet	✓	
675	KeiDet	✓	

JOB TYPE longstring | HOLE SIZE 5 5/8" | HOLE DEPTH 980' | CASING SIZE & WEIGHT 2 7/8" EUE
CASING DEPTH 953' | DRILL PIPE | TUBING 922' | OTHER
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING 31'
DISPLACEMENT 5.34 bbls | DISPLACEMENT PSI | MIX PSI | RATE 4.5 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 200 # Premium Gel followed by 10 bbls fresh water, mixed & pumped 154 sks 50/50 Pozmix cement w/ 2% gel per sk, cement to surface, flushed pump & clean, pumped 2 1/2" rubber plug to baffle w/ 5.34 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1085.00
5406	20 mi	MILEAGE		84.00
5402	953'	Casing Footage		—
5407	½ minimum	ton Mileage		184.00
5502C	2 hrs	80 Vac		180.00
1124	154 sks	50/50 Pozmix cement		1771.00
1118B	459 #	Premium Gel		100.98
4402	1	2½" rubber plug		29.50
		4.39%	SALES TAX	138.80
			ESTIMATED TOTAL	3573.28

completed

Ravin 3737

AUTHORIZTION No Co. Rep. on location 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 for