



KANSAS CORPORATION COMMISSION 1109179
OIL & GAS CONSERVATION DIVISION

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: PO BOX 339
Address 2: _____
City: LOUISBURG State: KS Zip: 66053 + 0339
Contact Person: Lance Town
Phone: (913) 710-5400
CONTRACTOR: License # 33715
Name: Town Oilfield Service
Wellsite Geologist: NA
Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- 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 #: _____
1/9/2013 1/10/2013 1/11/2013
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-045-21856-00-00
Spot Description: _____
NE NE NE SE Sec. 11 Twp. 15 S. R. 20 East West
2440 Feet from North / South Line of Section
200 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Douglas
Lease Name: Pearson Well #: 34
Field Name: _____
Producing Formation: Squirrel
Elevation: Ground: 1095 Kelly Bushing: 0
Total Depth: 960 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 87 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: _____
feet depth to: 87 w/ 42 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: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Deanna Garrison Date: 01/24/2013



1109179

Operator Name: R.T. Enterprises of Kansas, Inc. Lease Name: Pearson Well #: 34
 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: GammaRay/Neutron/CCL | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum GammaRay |
|--|---|

| CASING RECORD <input checked="" 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 |
| Surface | 9 | 7 | 10 | 87 | Portland | 42 | 50/50 POZ |
| Completion | 5.6250 | 2.8750 | 8 | 941 | Portland | 201 | 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 <i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
| 3 | 866-876 | 2" DML RTG | 10 |
| | | | |
| | | | |
| | | | |

| | | | |
|---|-----------|--|-----------------------------------|
| TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ | | Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| Date of First, Resumed Production, SWD or ENHR. _____ | | Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____ | |
| 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)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL: _____ _____ |
|--|--|---|

Douglas County, KS
Well: Pearson 34
Lease Owner: R.T. Enterprises

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

Commenced Spudding:
1/9/2013

WELL LOG

15-045-21856-00-00

| Thickness of Strata | Formation | Total Depth |
|---------------------|-------------|-------------|
| 0-8 | Soil-Clay | 8 |
| 75 | Sand | 83 |
| 135 | Shale | 218 |
| 5 | Lime | 223 |
| 6 | Sandy Shale | 229 |
| 14 | Lime | 243 |
| 7 | Shale | 250 |
| 8 | Lime | 258 |
| 5 | Shale | 263 |
| 19 | Shale | 282 |
| 9 | Shale | 291 |
| 26 | Sand | 316 |
| 18 | Lime | 334 |
| 21 | Sand | 355 |
| 54 | Shale | 409 |
| 23 | Lime | 432 |
| 12 | Shale | 444 |
| 4 | Shale | 448 |
| 8 | Lime | 456 |
| 23 | Shale | 479 |
| 16 | Lime | 495 |
| 5 | Shale | 500 |
| 1 | Lime | 501 |
| 14 | Shale | 515 |
| 23 | Lime | 538 |
| 8 | Shale | 546 |
| 23 | Lime | 569 |
| 4 | Shale | 573 |
| 4 | Lime | 577 |
| 4 | Shale | 581 |
| 5 | Sandy Shale | 586 |
| 117 | Shale | 703 |
| 1 | Sandy Shale | 704 |
| 7 | Sand | 711 |
| 14 | Sandy Shale | 725 |
| 34 | Shale | 759 |
| 1 | Lime | 760 |
| 1 | Shale | 761 |
| 7 | Lime | 768 |
| 6 | Shale | 774 |

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. 34

Farm Pearson

KS Douglas
 (State) (County)

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

For R.T. Enterprises
 (Well Owner)

Town Oilfield Services, Inc.

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

| Thickness of Strata | Formation | Total Depth | Remarks |
|---------------------|--------------------|-------------|-----------------------|
| 0-8 | soil-clay | 8 | |
| 75 | sand | 83 | |
| 135 | shale | 218 | |
| 5 | lime | 223 | |
| 6 | sandy shale | 229 | |
| 14 | lime | 243 | |
| 7 | shale-slate | 250 | |
| 8 | lime | 258 | |
| 5 | shale | 263 | |
| 19 | shale & shells | 282 | |
| 9 | shale & red bed | 291 | |
| 25 | sand & sandy shale | 316 | no oil |
| 18 | lime & shells | 334 | |
| 21 | sand & sandy shale | 355 | no oil |
| 54 | shale | 409 | |
| 23 | lime | 432 | |
| 12 | shale | 444 | |
| 4 | shale & lime | 448 | |
| 8 | lime | 456 | |
| 23 | shale | 479 | |
| 16 | lime | 495 | |
| 5 | shale | 500 | |
| 1 | lime | 501 | |
| 14 | shale | 515 | |
| 23 | lime | 538 | 521 - oil Heavy bleed |
| 8 | shale | 546 | |
| 23 | lime | 569 | |

569

| Thickness of Strata | Formation | Total Depth | Remarks |
|---------------------|----------------|-------------|------------------|
| 4 | shale - slate | 573 | |
| 4 | Lime | 577 | |
| 4 | Shale | 581 | |
| 5 | Lime | 586 | Hertha |
| 117 | shale | 703 | |
| 1 | sandy shale | 704 | |
| 7 | sand | 711 | slight show |
| 14 | sandy shale | 725 | |
| 34 | shale | 759 | |
| 1 | Lime | 760 | |
| 1 | shale | 761 | |
| 7 | Lime | 768 | |
| 6 | shale | 774 | |
| 1 | Lime | 775 | |
| 11 | shale | 786 | |
| 22 | shale & lime | 808 | |
| 3 | Lime | 811 | |
| 19 | shale | 830 | |
| 2 | Lime | 832 | |
| 19 | shale & redbed | 851 | |
| 2 | shale & lime | 853 | |
| | shale | 855 | |
| | Lime | 856 | |
| | shale | 862 | |
| | sandy shale | 865 | |
| 1 | sand | 866 | broken - 50% oil |
| 10 | sand | 876 | solid oil |

