



KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1108525

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

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 #: _____

Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - _____

Spot Description: _____

_____-_____-____- Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West

_____-_____-____- Feet from ☐ North / ☐ South Line of Section

_____-_____-____- Feet from ☐ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☐ SE ☐ SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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: _____ Date: _____

1108525

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West County: _____

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:

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

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

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

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 (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. (Submit ACO-5) <input type="checkbox"/> Commingled (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Douglas County, KS
Well: Pearson 20
Lease Owner: R.T. Enterprises

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

Commenced Spudding:
1/2/2013

WELL LOG

15-045-21841-00-00

Thickness of Strata	Formation	Total Depth
0-4	Soil-Clay	4
66	Sand	70
137	Shale	207
5	Lime	212
7	Sandy Shale	219
13	Lime	232
7	Shale	239
9	Lime	248
3	Shale	251
21	Shale	272
8	Shale	280
25	Sand	305
19	Lime	324
14	Sand	338
60	Shale	398
22	Lime	420
13	Shale	433
4	Shale	437
6	Lime	443
24	Shale	467
19	Lime	486
4	Shale	490
1	Lime	491
14	Shale	505
23	Lime	528
8	Shale	536
23	Lime	559
4	Shale	563
4	Lime	567
4	Shale	571
6	Lime	577
121	Shale	598
11	Sand	709
42	Shale	751
7	Lime	758
6	Shale	764
3	Lime	767
10	Shale	777
4	Lime	781
18	Shale	799

Lease Owner: R.T. Enterprises

(913) 837-8400

1/2/2013

[illegible]

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 - RPMxd over SPMxR

d - SPMxRxR over RPM

SPM - RPMxD over RxR

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

746 WATTS equal 1 HP

Log Book

Well No. 20

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

Pearson Farm: Douglas County
KS State; Well No. 20

Elevation _____

Commenced Spuding Jan 2, 2013

Finished Drilling Jan 9, 2015

Driller's Name Wesley DeLand

Driller's Name _____

Driller's Name _____

Tool Dresser's Name Ryan Ward

Tool Dresser's Name Colt Hone

Tool Dresser's Name _____

Contractor's Name _____

11 15 20

(Section) (Township) (Range)

Distance from _____ line, _____ ft.

Distance from _____ line, _____ ft.

15 hrs

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____

8" Set _____ 8" Pulled _____

7 1/4" Set 50 6 1/4" Pulled

4" Set _____ 4" Pulled _____

2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

[illegible]

Thickness of Strata	Formation	Total Depth	Remarks
0-4	soil - clay	4	
66	Sand	70	40' - water
137	shale	207	
5	Lime	212	
7	sandy shale	219	
13	Lime	232	
7	shale - slate	239	
9	Lime	248	
3	shale	251	
21	shale & shells	272	
8	shale & redbed	280	
25	sand & sandy shale	305	no Oil
19	Lime & shells	324	
14	sand & sandy shale	338	no Oil
60	shale	398	
22	Lime	420	
13	shale	433	
4	shale & lime	437	
6	Lime	443	
24	shale	467	
19	Lime	486	
4	shale	490	
1	Lime	491	
14	shale	505	
23	Lime	528	
8	shale	536	
23	Lime	559	

559

Thickness of Strata	Formation	Total Depth	Remarks
4	Shale - slate	563	
4	Lime	567	
4	Shale	571	
6	Lime	577	Heitha
121	Shale	698	
11	Sand	709	no Oil
42	Shale	751	
7	Lime	758	
6	Shale	764	
3	Lime	767	
10	Shale	777	
4	Lime	781	
18	Shale & lime	799	
3	Lime	802	
19	Shale	821	
4	Lime	825	
25	Shale	850	
2	Lime	852	
16	Shale	868	
13	Sandy shale	881	
3	Sand & sandy shale	884	broken 50% Oil
4	Sand	888	solid Oil
2	sand & sandy shale	890	broken 50% Oil
90	Shale	980	TD



**FIELD TICKET & TREATMENT REPORT
CEMENT**

TICKET NUMBER 39079
LOCATION Ottawa
FOREMAN Alan Mader

DATE		CUSTOMER #	WELL NAME & NUMBER		SECTION	TOWNSHIP	RANGE	COUNTY
1-7-13			Pearson 20		SE 11	15	20	DG
CUSTOMER Duroc								
MAILING ADDRESS 120 Shoreline Dr								
CITY Louisburg		STATE KS	ZIP CODE 66053		TRUCK #	DRIVER	TRUCK #	DRIVER
					516	Alma	Safety	Meat
					368	Alma	ARM	
					370	Kei Car	KC	
					503	Dan Det	DD	
JOB TYPE long string		HOLE SIZE 5 5/8	HOLE DEPTH 980		CASING SIZE & WEIGHT 278			
CASING DEPTH 960		DRILL PIPE	TUBING		OTHER 926 baffle			
SLURRY WEIGHT		SLURRY VOL	WATER gal/sk		CEMENT LEFT in CASING			
DISPLACEMENT 5.4		DISPLACEMENT PSI 800	MIX PSI 200		RATE 4 bpm			
REMARKS: Held meeting. Established rate. Mixed & pumped 100 th gel followed by 127 sk 50/50 cement plug 2 nd gel circulated cement. Flushed pump. Pumped plug to baffle. Well held 800 PSI. Set float. Closed valve.								

705, W₈₅

Adam Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	368	1030.00
5406	20	MILEAGE	368	80.00
5402	960'	Casing footage	368	—
5407	1/2 mi ⁿ	ton miles	323	175.00
5502C	1 1/2	82 vac	370	135.00
1124	127	50150 cement		1390.65
118B	313#	gel		65.23
W402	1	2 1/2 plug		28.00
Revin 3737			Sales Tax	108.36
AUTHORIZATION	Sharon S.A.		ESTIMATED TOTAL	3012.74

Revin 3737

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.

255735