



KANSAS CORPORATION COMMISSION 1138059
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 # _____

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 Recompletion Date Date Reached TD Completion Date or 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: _____



1138059

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input 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

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

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
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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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Douglas County, KS
Well: Finnerty I-23
Lease Owner: R.T. Enterprises

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

Commenced Spudding:
4/26/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
3	Soil/Clay	3
79	Sand	82
2	Lime	84
118	Shale	202
5	Lime	207
6	Shale	213
14	Lime	227
8	Shale	235
8	Lime	243
5	Shale	248
3	Lime	251
9	Shale & Shells	260
5	Lime	265
3	Shale	268
35	Sand & Sandy Shale	303
18	Lime	321
17	Sand & Sandy Shale	338
56	Shale	394
22	Lime	416
15	Shale	431
6	Lime & Shale	437
4	Lime	441
17	Shale	458
7	Sand	465
16	Lime	481
6	Shale	487
1	Lime	488
13	Shale	501
23	Lime	524
8	Shale	532
23	Lime	555
5	Shale	560
3	Lime	563
5	Shale	568
5	Lime	573
5	Shale	578
12	Sand	590
15	Shale	605
62	Sandy Shale	667
22	Shale	689

Douglas County, KS
Well: Finnerty I-23
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(913) 837-8400

Commenced Spudding:
4/26/2013

11	Sand	700
6	Sandy Shale	706
35	Shale	741
7	Lime	748
5	Shale	753
1	Lime	754
4	Shale & Lime	758
8	Shale	766
11	Lime & Shale	777
11	Shale	788
3	Lime	791
4	Shale	795
4	Sand	799
11	Shale	810
3	Lime	813
6	Shale	819
4	Redbed	823
11	Shale	834
2	Lime	836
12	Shale	848
2	Sand	850
12	Sand	862
22	Sand	884
2	Sand	886
10	Sand	896
2	Brokensand	898
82	Shale	980

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 $BPH \times PSI \times .0004$

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. 1-23

Farm Finnerty

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

Kennedy Farm: Douglas County

18.5 State; Well No. 1-23

Elevation 1076

Commenced Spuding 4-26, 2012

Finished Drilling _____, 20_____

Driller's Name Chad Weaver

Driller's Name _____

Driller's Name _____

Tool Dresser's Name Greg Denny

Tool Dresser's Name _____

Tool Dresser's Name _____

Contractor's Name 908

13 15 20

(Section) (Township) (Range)

Distance from S line, 1000 ft.

Distance from E line, 1320 ft.

Cement by Consolidated
**CASING AND TUBING
RECORD**

10" Set _____ 10" Pulled _____
7 7/8" Set 88.0' 8" Pulled _____
6 1/4" Set _____ 6 1/4" Pulled _____
4" Set _____ 4" Pulled _____
2 7/8" Set 453.00 2" Pulled _____
422.00 Baffle
960 TD

Thickness of Strata	Formation	Total Depth	Remarks
3	soil/clay	3	
79	sand	82	
2	Lime	84	
118	shale	202	
5	Lime	207	
6	shale	213	
14	Lime	227	
8	shale	235	
8	Lime	243	
5	shale	248	
3	Lime	251	
9	shales + shells	260	
5	Lime	265	
3	shale	268	
35	sandy shale	303	
18	Lime	321	
17	sandy shale	338	
56	shale	394	
22	Lime	416	
15	shale	431	
6	Lime + shale	437	
4	Lime	441	
17	shale	458	
7	sand	465	only a little bit
16	Lime	481	
6	shale	487	
1	Lime	488	

Thickness of Strata	Formation	Total Depth	Remarks
		488	
13	shale	501	
23	Lime	524	
8	shale	532	
23	Lime	555	
5	shale	560	
3	Lime	563	
5	shale	568	
5	Lime	573	
5	shale	578	Harder,
12	sand	590	
15	shale	605	grey, no oil
62	sandy shale	667	
22	shale	689	
11	sand	700	
6	sand, shale	706	
35	shale	741	
7	Lime	748	
5	shale	753	
1	Lime	754	
4	shale + Lime	758	
8	shale	766	
11	limet shale	777	
11	shale	788	
3	Lime	791	
4	shale	795	
4	sand	799	
11	shale	810	no oil

810

Thickness of Strata	Formation	Total Depth	Remarks
3	lime	813	
6	shale	819	
4	red bed	823	
11	shale	834	
2	lime	836	
12	shale	848	
2	sand	850	adng 5% o.i.
12	sand	862	60% - 70% dk bleeding
22	sand	884	90% - solid - good bleeding
2	sand	886	5% o.i.
10	sand	896	solid oil
2	Buckersand	898	5% o.i.
82	shale	980	TD



CONSOLIDATED
Oil Well Services, LLC

258393

TICKET NUMBER 41768

LOCATION Ottawa, KS

FOREMAN Cory 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
4/29/13	5954	Finnerly # I-23	SE 11	15	20	DG

CUSTOMER <u>Olenoc</u>		
MAILING ADDRESS <u>120 Shoreline Dr</u>		
CITY <u>Louisburg</u>	STATE <u>KS</u>	ZIP CODE <u>66053</u>

TRUCK #	DRIVER	TRUCK #	DRIVER
481	Casken	✓ Safety Meeting	
660	Gackman	✓	
558	Jas Ric	✓	
675	Kei Det	✓	

JOB TYPE <u>longstring</u>	HOLE SIZE <u>5 5/8"</u>	HOLE DEPTH <u>980'</u>	CASING SIZE & WEIGHT <u>2 7/8" EUE</u>
CASING DEPTH <u>953'</u>	DRILL PIPE	TUBING <u>baffle - 920'</u>	OTHER
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT IN CASING <u>31'</u>
DISPLACEMENT <u>5.34 bbls</u>	DISPLACEMENT PSI	MIX PSI	RATE <u>4.5 bpm</u>

REMARKS: held safety meeting, established circulation, mixed & pumped 200# Premium Gel followed by 10 bbls fresh water, mixed & pumped 143 sks 50/50 Pozmix cement @ 270 gal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 5.34 bbls fresh water, pressured to 500 PSI, well held pressure for 30 min MIT, released pressure, shut in casing.

[Handwritten Signature]

ACCOUNT CODE	QUANTITY 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	1/2 minimum	ton mileage		184.00
5502C	2 hrs	80 Vac		180.00
1124	143 sks	50/50 Pozmix cement		1644.50
118B	440 #	Premium Gel		96.80
4402	1	2 1/2" rubber plug		29.50
			7.37%	SALES TAX 129.07
				ESTIMATED TOTAL 3433.07

Revin 3737

AUTHORIZATION

[Handwritten Signature: Stephen Scott]

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.