KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1149293

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 # 34586
Name: ST Petroleum, Inc.
Address 1: 18800 Sunflower Rd
Address 2:
City: Edgerton State: KS Zip: 66021 + __ __ __ __
Contact Person: Rick Singleton
Phone: (913) 980-5036
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 #:

6/12/2013	6/13/2013	6/13/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-091-24164-00-00
Spot Description:
SW - SW - SE - NE Sec. 29 Twp. 14 S. R. 22 [x] East [ ] West
2841 Feet from [ ] North / [x] South Line of Section
1018 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Johnson
Lease Name: Thomas A Well #: 3-A
Field Name: Gardner South
Producing Formation: Bartlesville
Elevation: Ground: 1034 Kelly Bushing: 0
Total Depth: 940 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 23 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: 23 w/ 2 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:** 07/05/2013

Side Two

[redacted]

1149293

Operator Name: ST Petroleum, Inc. Lease Name: Thomas A Well #: 3-A

Sec. 29 Twp. 14 S. R. 22 ☑ East ☐ West County: Johnson

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	23	Portland	2	50/50 POZ
Completion	5.6250	2.8750	8	925	Portland	120	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	878-888	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

Johnson County, KS
Well: Thomas A 3-A
Lease Owner: ST Petroleum

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

Commenced Spudding:
6/12/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
0-45	Soil-Clay	45
19	Shale	64
4	Lime	68
2	Shale	70
17	Lime	87
10	Shale	97
8	Lime	105
8	Shale	113
21	Lime	134
18	Shale	152
17	Lime	169
8	Shale	177
55	Lime	232
20	Shale	252
8	Lime	260
21	Shale	281
6	Lime	287
5	Shale	292
7	Lime	299
33	Shale	332
2	Lime	334
10	Shale	344
25	Lime	369
7	Shale	376
25	Lime	401
4	Shale	405
3	Lime	408
5	Shale	413
7	Lime	420
30	Shale	450
20	Sand	470
69	Shale	539
6	Sand	545
57	Shale	602
3	Lime	605
3	Shale	608
6	Lime	614
17	Shale	631
2	Lime	633
6	Shale	639

Johnson County, KS
Well: Thomas A 3-A
Lease Owner: ST Petroleum

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

Commenced Spudding:
6/12/2013

4	Lime	643
4	Shale	647
1	Lime	648
36	Shale	684
22	Sand	706
50	Shale	756
14	Sandy Shale	770
93	Shale	863
3	Sand	866
11	Shale	877
11	Sand	888
52	Sandy Shale	940-TD

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. 3-A

Farm Thomas A

KS (State) Johnson (County)

29 (Section) 14 (Township) 22 (Range)

For ST Petroleum inc (Well Owner)

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

Judy - June 12 - 1:51 Surface
Brooke June 13 - 1:40 Longstring

Thomas A Farm: Johnson County

KS State; Well No. 3-A

Elevation 1033

Commenced Spuding June 12 20 13

Finished Drilling June 13 20 13

Driller's Name Wesley Dollard

Driller's Name

Driller's Name

Tool Dresser's Name Ryan Ward

Tool Dresser's Name Brandon Stone

Tool Dresser's Name

Contractor's Name TOS

29 14 22

(Section) (Township) (Range)

Distance from S line, 2805 ft.

Distance from E line, 1000 ft.

2 sacks

9 hrs

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set		8" Pulled	
7 ~~0~~¼" Set	23	6¼" Pulled	
4" Set		4" Pulled	
2" Set		2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
916.	8	Baffle			
924.	8	float			
				2	7/8

Thickness of Strata	Formation	Total Depth	Remarks
0-45	soil - clay	45	
19	shale	64	
4	Lime	68	
2	Shale	70	
17	Lime	87	
10	Shale	97	
8	Lime	105	
8	Shale	113	
21	Lime	134	
18	Shale	152	
17	Lime	169	
8	Shale	177	
55	Lime	232	
20	Shale	252	
8	Lime	260	
21	Shale	281	
6	Lime	287	
5	Shale	292	
7	Lime	299	
33	Shale	332	
2	Lime	334	
10	Shale	344	
25	Lime	369	
7	Shale	376	
25	Lime	401	
4	Shale	405	
3	Lime	408	

408

Thickness of Strata	Formation	Total Depth	Remarks
5	Shale	413	
7	Lime	420	Hertha
30	Shale	450	
20	Sand	470	no Oil
69	Shale	539	
6	Sand	545	no Oil
57	Shale	602	
3	Lime	605	
3	Shale	608	
6	Lime	614	
17	Shale	631	
2	Lime	633	
6	Shale	639	
4	Lime	643	
4	Shale	647	
1	Lime	648	
36	Shale	684	
22	Sand	706	no Oil
50	Shale	756	
14	Sandy Shale	770	
93	Shale	863	
3	Sand	866	no Oil
11	Shale	877	
11	Sand	888	Oil - good show
52	Sandy Shale	940	TD

CONSOLIDATED
Oil Well Services, LLC

259690

TICKET NUMBER 42020
LOCATION Ottawa
FOREMAN Alan Mader

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
6-13-13	7532	Thomas "A" 3-A	NE 29	14	22	JO

CUSTOMER: ST Petroleum
MAILING ADDRESS: 18800 Sunflower
CITY: Edgerton | STATE: KS | ZIP CODE: 66021

TRUCK #	DRIVER	TRUCK #	DRIVER
516	Ala Mad		
368	Ari McD		
370	Kei Car		
510	Set Inc		

JOB TYPE long string | HOLE SIZE 5 5/8 | HOLE DEPTH 940 | CASING SIZE & WEIGHT 2 1/8
CASING DEPTH 925 | DRILL PIPE | TUBING | OTHER 917 baffle
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING yes
DISPLACEMENT 5 1/3 | DISPLACEMENT PSI 800 | MIX PSI 200 | RATE 4 bpm

REMARKS: Hooked to casing. Established rate. Mixed & pumped 100# gel followed by 120 sk 50/50 cem plus 2% gel & 1/4 #/sk floseal per sack. Circulated cement. Flushed pump. Pumped plug to casing baffle. Well held 800 P.S.I. Set float. Closed valve.

TOS Wes

Alan Mader

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT		UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	368		1085.00
5406	30	MILEAGE	368		126.00
5402	925'	casing footage	368		—
5407	min	ton miles	510		368.00
5502C	2	80 vac	370		160.00
1124	120	50/50 cement			1380.00
1118B	302#	gel			66.44
1107	30	floseal			74.10
4402	1	2 1/2 plug			29.50
				SALES TAX	116.65
				ESTIMATED TOTAL	3425.69

Ravin 3737

AUTHORIZTION _____ 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.