



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
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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: _____



1082682

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 39773
LOCATION Ottawa KS
FOREMAN Fred Maden

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
5/18/12	7532	Thomas # I-31	NE 29	14	22	JO

TRUCK #	DRIVER	TRUCK #	DRIVER
506	FREMAD	Safety	Wdy
666	GARMAN	GM	
675	KEI DET	KD	
558	RYASIN	RS	

CUSTOMER	MILING ADDRESS	CITY	STATE	ZIP CODE
S T Petroleum	18800 Sunflower Rd	Edgerton	KS	66021

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH 960 CASING SIZE & WEIGHT 2 7/8" EUE
 CASING DEPTH 923' DRILL PIPE Baffle TUBING 923' OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 2 1/2 Ply x 10'
 DISPLACEMENT 5.37 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 58 BPM

REMARKS: Establish pump rate. Mix + Pump 100* Gel Flush. Mix + Pump
5ks 50/50 Poz Mix Cement 2% gel 4" Flo Seal/sk. Cement to
surface Flush pump + lines clean. Displace 2 1/2" Rubber
plug to casing Baffle - Pressure to 800* PSI. Hold +
Monitor pressure for 30 min MIT. Release pressure
to set float valve. Shut in casing.

Fred Maden

TOS Drilling - Chad.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	666	1030 ⁰⁰
5406	30mi	MILEAGE	666	120 ⁰⁰
5402	923	Casing footage		NIC
5407	minimum	Ton miles	555	350 ⁰⁰
5502C	2hrs	80 BBL Vac Truck	625	180 ⁰⁰
1124	1245ks	50/50 Poz Mix Cement		1357 ⁸⁰
1118B	309*	Premium Gel		6482
1107	31*	Flo Seal		22 ⁵⁵
4402	1	2 1/2" Rubber plug		28 ⁰⁰
			7.525%	SALES TAX
				11464
				ESTIMATED TOTAL
				3318 ¹⁸

SCANNED

AUTHORIZATION [Signature] 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.

Johnson County, KS
 Well: Thomas A 1-31
 Lease Owner: ST Petroleum

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

Commenced Spudding:
 5/17/2012

WELL LOG

Thickness of Strata	Formation	Total Depth
12	Soil-Clay	12
8	Sandstone	20
45	Shale	65
6	Lime	71
3	Shale	74
16	Lime	90
8	Shale	98
9	Lime	107
7	Shale	114
18	Lime	132
15	Shale	147
20	Lime	167
7	Shale	174
56	Lime	230
23	Shale	253
8	Lime	261
19	Shale	280
10	Lime	290
4	Shale	294
7	Lime	301
44	Shale	345
25	Lime	370
6	Shale	376
24	Lime	400
4	Shale	404
4	Lime	408
5	Shale	413
7	Lime	420
34	Shale	454
11	Sand	465
9	Sandy Shale	474
124	Shale	598
2	Lime	600
5	Shale	605
6	Lime	611
13	Shale	624
2	Lime	626
13	Shale	639
4	Lime	643
120	Shale	763

Short Cuts

TANK CAPACITY

BBLs. (42 gal.) equals $D^2 \times h \times 14$
 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. 1-31

Farm Thomas A

KS Johnson
 (State) (County)

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

For ST Petroleum
 (Well Owner)

Town Oilfield Services, Inc.

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

Thickness of Strata	Formation	Total Depth	Remarks
12	oil/clay	12	
8	sandstone	20	
45	shale	65	
6	Lime	71	
3	shale	74	
16	Lime	90	
8	shale	98	
9	Lime	107	
7	shale	114	
18	Lime	132	
15	shale	147	
20	Lime	167	
7	shale	174	
56	Lime	230	
23	shale	253	
8	Lime	261	
19	shale	280	
10	Lime	290	
4	shale	294	
7	Lime	301	
44	shale	345	
25	Lime	370	
6	shale	376	
24	Lime	400	
4	shale	404	
4	Lime	408	
5	shale	413	

413

Thickness of Strata	Formation	Total Depth	Remarks
7	Lime	420	
34	shale	454	
11	sand	465	
9	sandy shale	474	
124	shale	598	
2	Lime	600	
5	shale	605	
6	Lime	611	
13	shale	624	
2	Lime	626	
13	shale	639	
4	Lime	643	
120	shale	763	665 - 668 bedded
11	sand	774	
104	shale	878	
2	sand	880	5% oil
3	sand	883	no oil
2	sand	885	10% - 20% slight nodules & bleed.
3	sand	887	50% - 60%
3	sandy shale	890	no oil
3	sand	893	no oil g case 7
2	sandy shale	895	2%
65	shale	960	FD