

#### Kansas Corporation Commission Oil & Gas Conservation Division

1163017

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 #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	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: sx cmt
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Original Total Depth: Conv. to ENHR	Chloride content: ppm Fluid volume: bbls  Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	QuarterSec TwpS. R East West
ENHR Permit #:	County: Permit #:
GSW Permit #:	
Spud Date or Date Reached TD Completion Date or Recompletion Date  Recompletion Date	

#### **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 Approved by: Date:						

Side Two



Operator Name:			Lease Name: _			_ Well #:	
Sec Twp	S. R	East West	County:				
time tool open and cle recovery, and flow rate	osed, flowing and shu	nd base of formations pe at-in pressures, whether est, along with final chart well site report.	shut-in pressure rea	ched static level,	hydrostatic press	sures, bottom h	nole temperature, fluid
Drill Stem Tests Take		☐ Yes ☐ No		og Formatio	n (Top), Depth ar	nd Datum	Sample
Samples Sent to Geo	ological Survev	☐ Yes ☐ No	Nam	ne		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Cop	ed Electronically	Yes No Yes No Yes No					
List All E. Logs Run:							
			B RECORD No	ew Used ermediate, product	ion, 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
		ADDITIONA	L CEMENTING / SQI	JEEZE RECORD	1		
Purpose:  —— Perforate  —— Protect Casing	Depth Top Bottom	Type of Cement	# Sacks Used Type and Percent Additives				
—— Plug Back TD —— Plug Off Zone							
Shots Per Foot	PERFORATI Specify	ON RECORD - Bridge Plu Footage of Each Interval Pe	gs Set/Type rforated		cture, Shot, Cemen mount and Kind of Ma		d Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No	1	
Date of First, Resumed	d Production, SWD or EN	IHR. Producing Me		Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf Wat	ter B	bls.	Gas-Oil Ratio	Gravity
	ION OF GAS:		METHOD OF COMPLI			PRODUCTIO	ON INTERVAL:
Vented Sole	d Used on Lease	Open Hole	Perf. Dually (Submit		mmingled mit ACO-4)		

Lease Owner:ST Petroleum

10/03/2013

### WELL LOG

nickness of Strata	Formation	Total Depth
10	soil/clay	10
9	sandstone	19
3	shale	22
2	lime	25
89	shale	114
21	lime	135
7	shale	142
9	lime	151
7	shale	158
18	lime	176
5	shale	181
7	sand	188
5	lime	193
8	sand & sandy shale	201
25	lime	226
39	sandy shale & shale	265
2	lime	267
6	shale	273
23	lime	296
14	shale	310
8	lime	318
19	shale	337
8	lime	345
6	shale	351
5	lime	356
43	shale	399
26	lime	425
8	shale	433
23	lime	456
3	shale	459
4	lime	463
4	shale	467
5	lime	472
4	shale	476
7	sandy shale	483
92	shale	575
7	sand	582
4	sandy shale	586
50	shale	636
3	lime	639

# Johnson County, KS Well:Thomas B 12 Town Oilfield Service, Inc. (913) 837-8400 Commenced Spudding: 10/03/2013

10/03/2013

Lease Owner:ST Petroleum

3	shale	642
2	lime	644
10	shale	654
7	lime	661
6	sand	667
3	sandy shale	670
6	shale	676
3	lime	679
2	coal	681
7	shale	688
7	lime and shale	695
27	shale	722
3	lime	725
9	shale	734
6	sand	740
5	sandy shale	745
49	shale	794
11	sand	805
12	sandy shale	817
10	shale	827
3	lime	830
27	shale	857
1	sand	858
1	sand	859
2	broken sand	861
	broken sand	862
<u> </u>	sandy shale	867
3	shale	870
	sand	874
3	sandy shale	877
17	shale	894
	sand	896
6	sandy shale	902
1	broken sand	903
	broken sand	904
1	sand	905
	broken sand	906
1 1	sand	907
1	sand	912
5 7	broken sand	919
7	sandy shale	926-TD
1	Sarity Strate	020 .5
	_	
	_	

### **Short Cuts**

TANK CAPACITY

BBLS. (42 gal.) equals D<sup>2</sup>x.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:

WATTS = AMPS

746 WATTS equal 1 HP

## Log Book

Well No. 12	1	
Farm_Thow	as B	
K &		nnson
(State)		(County)
, i		
31	1,4	32
(Section)	(Township)	(Range)
For ST PC	+ molecum	
	(Well Owner)	

# Town Oilfield Services, Inc.

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

Dones & Farm: James County	CASING AND TUBING MEASUREMENTS					
KS_ State; Well No	Feet	In.	Feet	In.	Feet	In.
Elevation_\cc>		1.5.5		3232	, 001	2006
Commenced Spuding 10-5 2013		-				
Finished Drilling 10-54 20 13	-	1				
Driller's Name ack weeved	-				-	-
Driller's Name	-					
Driller's Name	-	1				
Tool Dresser's Name Cale Holowan				1		
Tool Dresser's Name				+		
Tool Dresser's Name						
Contractor's Name	-					
31 14 22	0-1-1-1-1					
(Section) (Township) (Range)	*					
Distance from 5 line, 3990 ft.						
						-
Distance from line, l(57)ft.	-					
	***************************************					
3-sacks						
CASING AND TUBING						
RECORD						
10" Set 10" Pulled						
78" Set <u>20.5</u> 8" Pulled						
6¼" Set 6¼" Pulled	);					
4" Set 4" Pulled						
27/get 450.5 2" Pulled		ne me				
942.50 Backle			-1-			
980 10						

Thickness of	Formation	Total	
Strata	A	Depth	Remarks
10	soil lalay	10	
9	sandalone	14	
2	shale	33	
	Linic	25	
89	shorte	11,4	
21	Lime	135	
7	shale	142	- lo
cı	Lime	151	Dark
_ ``	shale	158	
18	Lime	176	
5	shele	181	
7	send	188	
5	Lime	193	enal, no oil
8	send tearly shelp	1053	
25	Line	226	
39	and yetreles shall	e 265	
2	Lime	267	
(	shale	273	
33	Lime	2016	
14	shale	310	
~	Lime	318	
19	shale	337	<i>v</i>
8	Lime	345	(4) M
C	excle	125	
5	Lime	386	
43	Sheale	399	
26	Livne	425	water

-2-

-3-

Thickness of		405	X <sub>p</sub>
Strata	Formation	Total Depth	
8	shele	433	Remarks
23	Lime	1456	
3	shale	439	
+'	Lime	463	
	Shorte	467	- 0
5	Lime	472	
- 14	shale	470	Handha
	sandyshole	483	
<u> 92</u>	shale	575	
	Send	SYQ	*
	condy shale	SXL	0001
<u>SO</u>	- Sheele	CRC	
Z'	Lime	639	
-3	shale	642	
2	Lime	C'44	
-10	shale	484	
	Lime	(6)	(C)
	scand	667	odor, 1:41/c clear
3	sandy shale	670	odor, ). the show
3	shale	276	
2	Lime	479	
7	<u> </u>	C81:	
	chale.	C8.8	
27	sime & shorte	695	
3	shale	722	705 ned-bed
a	-ime	725	
	-4-	157	

		734	
Thickness o Strata	f Formation	Total Depth	Remarks
6	send	740	iner no oil
-5	soudy shale	245	
49	chala	7014	
	Sud	805	no oil, Broken
12	sandy shale	817	23
)0	shale	827	
3	Lime	830	) -
	shale	72E	12.
	sand	858	soon, 506-10% al Broken
	sond	859	96% ok bleeding
2	Broken send	861	5%- 10% 011
	Broken sond	802	20%
5	send, shelo	867	
	shale	870	
4	45cmd	474	no oil
3	sundy shale	877	
77	shale	894	
5	sand	896	no oil
	sundyshale	902	
	broken sund	903	26 oil nder
3	Broken sond	904	106-159601
	send	905	Sosla- apolo oil, ox blacking
	Broken and		25% 0.1
	sand	907	26 6.1
	cond	9152	50%-60%
7	Broken sand	919	no oil
	sendy shale	936	



262956

LOCATION OHIGHA, KS
FOREMAN Casey Kennedy

PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

### FIELD TICKET & TREATMENT REPORT

DATE	I GUIGE COMPANY	CEM	ENI			
DATE	CUSTOMER#	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
O 4/13 CUSTOMER	7532	Thomas B # 12	NE31	14	એએ	
COSTOMER	Data La		CONTRACTOR OF THE PARTY OF THE	A SECTION AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAM		00
AILING ADDR	Petro leum	Inc	TRUCK#	DRIVER	TRUCK#	DOWER
		D.	481	Carken	0 4	DRIVER
T 900	o Suntbay		lele6	CoarMao		lecting
T. 1	18	STATE ZIP CODE	503	HarBec		337.00
tagerto	<u></u>	KS (66021)	370			
OB TYPE_/6	nestring 1	HOLE SIZE SYS" HOLE DE	The same of the sa	Cas Ric	U	
ASING DEPTH	(957)	ORILL PIPE	- PI	CASING SIZE & V	/EIGHT_27/	eve eve
LURRY WEIGH		- TODINO_	-		OTHER	
				CEMENT LEFT In	CASING&_'	
EMARKS: ha			, ,	RATE 4. 5 60	4	
A A		dine whished circu	lation mixe	d town	of someth	Premio
el tollar	wed by 10	able to he water in		ped 1351	dc 804	Demin
elieut e	y 2% gol	+ 14 Happy por sk	cornent -	surface	01 -1	Brus
lean, po	regard 2/2	rubber plug to batt		bble fresh	, flushed	6 CANAD
> 800	PSI, release	pressure shut in ca		DAIS HEST	water, p	legivezes'
	/	1000 111 14	1100		88 102/1	
				$-\mu$	0	
				11-4		
				10)1	<del></del>	

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	T
5401		PUMP CHARGE	ONIT PRICE	TOTAL
5406	30 mi	MILEAGE		1085.00
5402	957'	casing Restage		126.0
5467	windun	ton mileage		
STORC	2 hrs	80 Vsc		368.0
		30 78		180,00
1124	135 30	P/0 202		
11188	427 #	Pla Poznix coment		1552.5
1107	34 #	Frencom Gol		93.90
4402	1	Flosed		83.90
		21/5" cubber plug		29.50
3737	0/1	7.375%	SALES TAX	129.80
THORIZTION	1 Joseph	TITLE	ESTIMATED TOTAL	3648.72

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