

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1107317

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:	
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from Cast / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
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	Amount of Surface Pipe Set and Cemented at: Feet
Gas D&A ENHR SIGW	Multiple Stage Cementing Collar Used?
OG GSW Temp. Abd.	If yes, show depth set: Feet
CM (Coal Bed Methane)	If Alternate II completion, cement circulated from:
Cathodic Other (Core, Expl., etc.):	feet depth to:w/sx cmt
If Workover/Re-entry: Old Well Info as follows:	
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Chloride content: ppm Fluid volume: bbls
	Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	On and the Name
Dual Completion Permit #:	Operator Name:
□ SWD Permit #:	Lease Name: License #:
ENHR Permit #:	QuarterSecTwpS. R East West
GSW Permit #:	County: Permit #:
Spud Date or Recompletion Date Date Reached TD Completion Date or 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 III Approved by: Date:

	Side Two	1107317
Operator Name:	Lease Name:	Well #:
Sec TwpS. 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 (Attach Additional She	eets)	Yes N	0			n (Top), Depth and		Sample
Samples Sent to Geolog	gical Survey	Yes N	0	Name			Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	☐ Yes ☐ N ☐ Yes ☐ N ☐ Yes ☐ N	0					
List All E. Logs Run:								
		CAS	SING RECORD	New	/ Used			
		Report all strings	set-conductor, sur	face, inter	mediate, producti	on, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weigh Lbs. / F		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: —— Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD				
Plug Off Zone				

Shots Per Foot		PERFORATION Specify For		RD - Bridge P Each Interval I		e			ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	:e:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed P	Producti	on, SWD or ENHF	₹.	Producing N	1ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF G	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INT	ERVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Dually (Submit A	Comp. AC <i>O-5)</i>	Commingled (Submit ACO-4)		
(If vented, Subr	nit ACO	-18.)		Other (Specify)						

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Johnson County, KS Town Oilfield Service, Inc. Commenced Spudding: Well: Thomas 7 (913) 837-8400 12/3/2012 Lease Owner: Vernon Thomas

WELL LOG

hickness of Strata	Formation	Total Depth	
10	Soil-Clay	10	
47	Sandstone	57	
2	Lime	59	
12	Shale	71	
6	Lime	77	
6	Shale	83	
2	Lime	85	
6	Shale	91	
15	Lime	106	
8	Shale	114	
8	Lime	122	
7	Shale	129	
21	Lime	150	
17	Shale	167	
25	Lime	192	
55	Shale	247	
20	Lime	267	
15	Shale	282	
9	Lime	202	
17	Shale	308	
6	Lime	314	
8	Shale	314	
8	Lime	330	
29	Shale	359	
2	Lime	361	
10	Shale	371	
26	Lime	397	
8	Shale		
20	Lime	405	
4	Shale	425	
15	Lime	429 444	
5	Shale		
6	Sand	449	
4	Sandy Shale	455	
11	Shale	459	
9	Sandy Shale	470	
5	Sand	479	
6	Sandy Shale	484	
20	Shale	490	
12 -	Sinale Sandy Shale	560 572	

Johnson County, KS Well: Thomas 7 (913) 837-8400 Commenced Spudding: 12/3/2012 Lease Owner: Vernon Thomas

43	Shale	615
4	Lime	619
3	Shale	622
6	Lime	628
6	Shale	634
8	Lime	642
13	Shale	655
4	Lime	659
6	Shale	665
10	Lime	675
25	Shale	700
3	Lime	703
2	Shale	705
2	Lime	707
8	Shale	715
5	Sand	713
15	Shale	735
6	Sandy Shale	735
40	Shale	781
5	Broken Sand	786
4	Sandy Shale	
28	Shale	790
11	Sandy Shale	818
12	Shale	829
4	Sand	841
11	Shale	845
5	Sand	856
95	Shale	861
3		886
	Sand	889
1	Shale Broken Sand	903
2	Broken Sand	904
1	Sand	906
7	Sand	907
11	Sandy Shale	914
2	Shale	925
12	Sand	927
12	Shale	939-TD
	-	

Short Cuts TANK CAPACITY

BBLS. (42 gal.) equals D²x.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

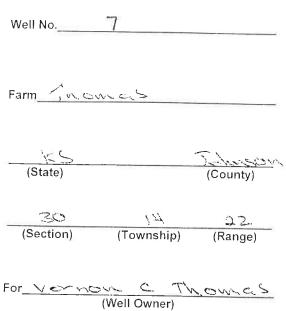
D - RPMxd over SPMxR d - SPMxRxD over RPM SPM - RPMXD over RxD R - RPMXD over SPMxD

BELT LENGTH - $2C + 1.57(D + d) + (D-d)^2$

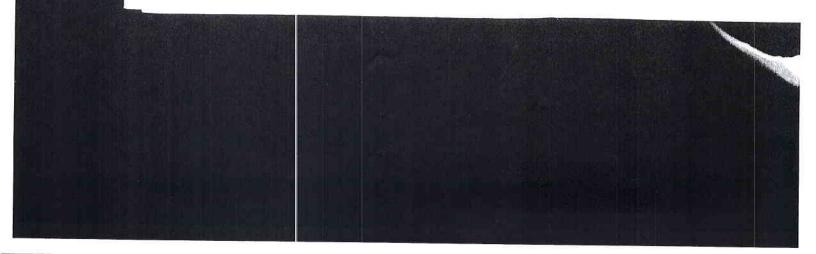
* Need these to figure belt length WATTS = AMPS TO FIGURE AMPS: VOLTS 746 WATTS equal 1 HP

Log Book

+ Ku - 10.1 - - 1.500

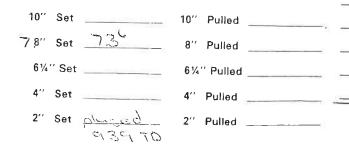


Town Oilfield Services, Inc. 1207 N. 1st East Louisburg, KS 66053 913-710-5400



Thomas Farm: 3000500 County State; Well No. 7 Elevation 1051 Commenced Spuding 12-3 20-12 Finished Drilling _____ 20 2 Driller's Name Charle Weens Driller's Name Driller's Name Tool Dresser's Name Branchow Store Tool Dresser's Name ale Heleson Tool Dresser's Name 30 14 22 (Section) (Township) (Range) Distance from _____ line, _____ft, Distance from $\underline{\Xi}$ line, $\underline{3300}$ ft. #146-0157 - 11mms plused

commented by Consolidated CASING AND TUBING RECORD



CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In
	1-1				
			+		
		1			
					1910
1					
					1000
			11		

-1-



Thickness of Strata	Formation	Total Depth	Remarks
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47	sund stone	51	
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12	encile		
G	Lime	**	
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- 3	Linne	132	
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55		247	
20	Linne	267	
15	she 1 a	282	
9	1-1122	:2011	
	shede	30%	
6	Linge	214	
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5	LINNG	330	
29	=//c/a	259	
2	Luivae	361	
10	shelle	371	
26	-2-	397	



Thickness of		397	
Strata	Formation	Total Depth	Remarks
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Y	Shode	1-24	*
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6	sind-yshoile	190	- SARA A MARCIN
	shelle	560	
17	share - shale	272	
43	sheile	615	
'`~	Lime	619	
3	shale	622	
<u>i</u>	1-111-2	628	
4	shele	634	
	Livra		
- 21	"Jac'le		
14	Server de	654	
<u>(</u> ,	ejate	665	
10	L. 1176	675	
25	shale	100	
3	LANING	703	
2	solute	705	
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Thickness of	Formation	Total	
Strata		Depth	Remarks
8	Shale	715	
5	iscon a	720	- and your carl
14	shale	735	
ζ.	sund a shale	7:41	
0	esperte	1.81	
5	Ereken sen et	786	
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X	endy chale	824	
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3	5-4-4	384	100001 110001
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2	SUND	201	290-596 ml . 5. med
Ň	brees	500	Noto and Name
7	sundysheld	414	
11	shale	425	
3	bruc	C127	
12	streile	9:39	
	110		

			LOCATION Officia, KS FOREMAN Casers Kennedy			
PO Box 884, C	hanute, KS 66720 F or 800-467-8676	FIELD TICKET & TR		PORT	1-7-1	1
DATE		CEM VELL NAME & NUMBER			-	
12/4/12		and a second	SECTION	TOWNSHIP	RANGE	COUNTY
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the second se	and a second	Premium Gel	2 Corrent			11,97 
(18B	57 #	Premium Gel Pcerto 12/6/		7.55%	SALES TAX	28.92
(18B	57 #	Premium Gel Pcerto 12/6/		7.55%	SALES TAX	28.92
(18B	57 #	Premium Gel Pcerto 12/6/		7.55%	SALES TAX	28.92

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	ONSOLIDATE	ED)		3	×	TICKET NUM		<u>8987</u>
	) Well Services, L	LC	*			LOCATION_C		
	0.						FredMad	er
	nanute, KS 66720 pr 800-467-8676	FIEL	D TICKE	CEMEN	TMENT REP	ORT		
DATE	CUSTOMER #	WELL	NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
2/6/12	_	Thoma	s # 7		30	14	22	VO
USTOMER		2.3		i.t	Carlos a segura de la	了或捕马 杯门人		
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ASING DEPTH				1. A.	<u>6 70.</u>		OTHER	
LURRY WEIGH		RRY VOL	- C	WATER gal/s	sk	CEMENT LEFT In		
ISPLACEMENT					<u> </u>		BBL/MM	
EMARKS: R	ig run /				of losk		x (50')	
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ACCOUNT CODE 5405N 5406 5407	QUANITY or U 1 30 Minimur	J NITS mi	PUMP CHARC MILEAGE	miles	to Aban	den 495 495 558		120 °C
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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,

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