

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1106976

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:		Sec	TwpS. R 🗌 East 🗌 West
Address 2:		Fe	eet from North / South Line of Section
City: State: Zip:	+	Fe	eet from East / West Line of Section
Contact Person:		Footages Calculated from I	Nearest Outside Section Corner:
Phone: ()			
CONTRACTOR: License #			
Name:			Well #:
Wellsite Geologist:			vven #
-			
Purchaser:			
Designate Type of Completion:	-		Kelly Bushing:
New Well Re-Entry	Workover	Total Depth: Plu	ug Back Total Depth:
Oil WSW SWD	SIOW	Amount of Surface Pipe Se	et and Cemented at: Feet
Gas D&A ENHR	SIGW	Multiple Stage Cementing	Collar Used? 🗌 Yes 🗌 No
☐ OG ☐ GSW	Temp. Abd.	If yes, show depth set:	Feet
CM (Coal Bed Methane)		If Alternate II completion, c	ement circulated from:
Cathodic Other (Core, Expl., etc.):		feet depth to:	w/sx cmt.
If Workover/Re-entry: Old Well Info as follows:			
Operator:		Drilling Fluid Managemer	at Blan
Well Name:		(Data must be collected from th	
Original Comp. Date: Original Tota	al Depth:	Oblarida contenti	ppm Fluid volume: bbls
Deepening Re-perf. Conv. to E	NHR Conv. to SWD		
Conv. to G	SW	Dewatering method used: _	
Plug Back: Plug I Plug	Back Total Depth	Location of fluid disposal if	hauled offsite:
Commingled Permit #:		Operator Name	
Dual Completion Permit #:			License #:
SWD Permit #:			
ENHR Permit #:			TwpS. R East West
GSW Permit #:		County:	Permit #:
	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 Approved by: Date:				

	Side Two	1106976
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 No	L		n (Top), Depth an	d Datum Top	Datum
Samples Sent to Geolog	ical Survey	Yes No				iop	Datam
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	<pre>Yes No</pre> NoNoVes NoNo					
List All E. Logs Run:							
		CASING		ew Used			
		Report all strings set	-conductor, surface, inte	ermediate, producti	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

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 RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					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

Franklin County, KSTown Oilfield Service, Inc.Commenced Spudding:Well:S. Fiehler 50(913) 837-840012/4/2012Lease Owner:R. T. Enterprises12/4/2012

WELL LOG

Thickness of Strata	Formation	Total Depth
0-13	Soil-Clay	13
5	Lime	18
1	Shale	19
18	Lime	37
7	Shale	44
11	Lime	55
6	Shale	61
20	Lime	81
40	Shale	121
18	Lime	139
15	Sand	165
62	Sandy Shale	216
23	Lime	239
6	Shale	245
8	Sand	253
5	Shale	258
4	Shale	262
3	Shale	265
6	Lime	271
25	Shale	296
6	Lime	302
13	Shale	315
1	Lime	316
15	Shale	331
7	Lime	338
2	Shale	340
13	Lime	353
9	Shale	362
3	Shale	365
20	Lime	385
4	Shale	389
5	Lime	394
2	Shale	396
5	Lime	401
4	Shale	405
3	Shale	408
6	Sandy Shale	414
101	Shale	515
5	Sand	520
38	Sandy Shale	558

Franklin County, KS
Well:S. Fiehler 50Town Oilfield Service, Inc.Commenced Spudding:
12/4/2012 Lease Owner:R. T. Enterprises

2	Shale	560
6	Shale	566
8	Lime	574
7	Shale	581
7	Lime	588
8	Coal	596
7	Shale	603
13	Shale	616
2	Lime	618
7	Shale	
4	Lime	625
7	Shale	629
1	Lime	636
10		637
1	Shale	647
4	Shale	648
4	Shale	652
2	Lime	656
	Shale	658
1	Sandy Shale	659
1	Sand	660
0.5	Sand	660.5
18	Core	678.5
81.5	Sandy Shale	760-TD
		4

	Core		
		660.5	
6	Sand	666.5	
4	Sand & Sandy Shale	670.5	
8	Sandy Shale	678.5	
			_
			_

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

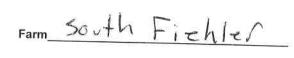
D - RPMxd over SPMxR d - SPMxRxD over RPM SPM - RPMXD over RxD R - RPMXD over SPMxD

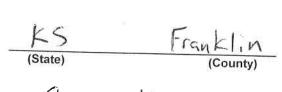
BELT LENGTH - 2C + 1.57(D + d) + $(D-d)^2$

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

Log Book



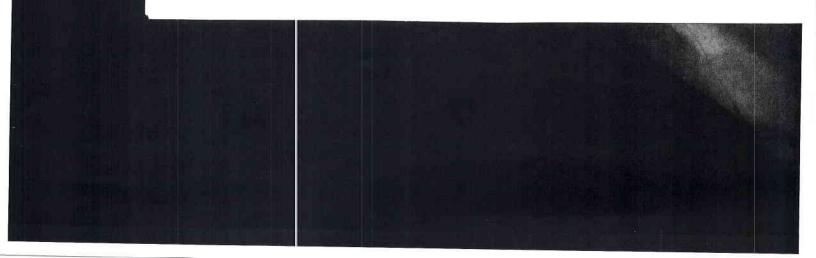






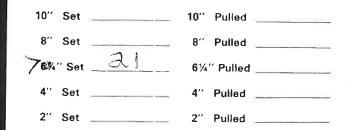
For R. T. Enterprises

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



Fichler South Franklin County 50 State; Well No. 965 Elevation Drc 4 Commenced Spuding .20 Dec Co Finished Drilling 20 Wester Driller's Name ollar Chac Weave Driller's Name **Driller's Name** Tool Dresser's Name Ryan Ward **Tool Dresser's Name** Tool Dresser's Name 05 Contractor's Name ___ 16 8 21 (Section) (Range) (Township) 3135 Distance from _ line, ft 5115 Distance from ____ ft. 3 sacks 1 Cort 11 hrs

CASING AND TUBING RECORD

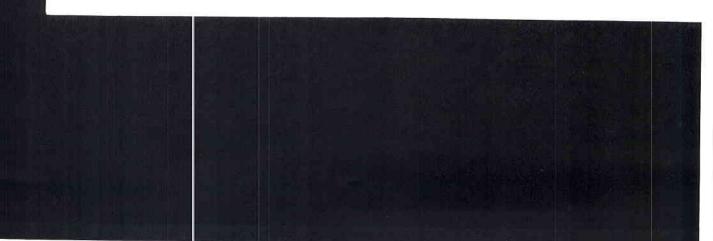


CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
693,	3	Bat	f1	2	
725.	4	Floc	F	1	71
				a	12
	11	3	- 10		

-1-

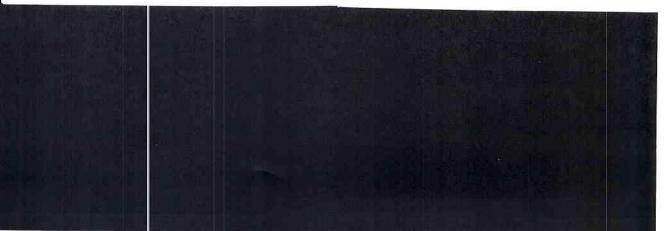
Thickness of Strata	Formation	Total Depth	Remarks
1-13	Soil- clay	13	
5	Lime	14	
1	Shale	19	-
18	Lime	37	
7	Shale	LILI	
11	Lime	55	
6	shale	61	
20	Lime	81	
4D	shale	121	
18	Lime	139	
15	Sand	154	giey - no Oil
62	sandy shalt	214	
23	Lime - Shells	239	
$\left(\phi \right)$	Shale	245	
8	Sand	253	- Jiry - no Dil
5	Shale	258	
4	shale & lime	262	
3	Shale	265	
6	Lime	271	·
25	Shale	294	-
6	Lime	302	
13	Shale	315	~
- 1	Lime	316	
15	Shale	331	
7	Lime	338	
X	Shale	340	
13	Lime	353	



		353	
Thickness of Strata	Formation	Total Depth	Remarks
9	Shale - slate	362	
3	shilt & lime	365	
20	Lime	385	
4	Shale - Slate	389	
5	Lime	394	
3	Shalt	396	
5	Lime	401	Heitha
4	shale	405	
3	Shelt & lime	403	
6	Sandy shelt	414	
101	Shale	515	
5	Sand	520	no Oil
38	Sandy Shalt	558	
2	Shale & lime	560	
6 43	Shale	566	
48	Lime	574	
7	Shale	581	
7	Lime	588	
3	Coal-slate	594	
7	Shale & lime	603	
13	Shale	616	
2	Lime	618	
7	shale	625	
4	Lime	629	
7	Shale	636	
/	Livne	637	
10	Shale -4-	647	



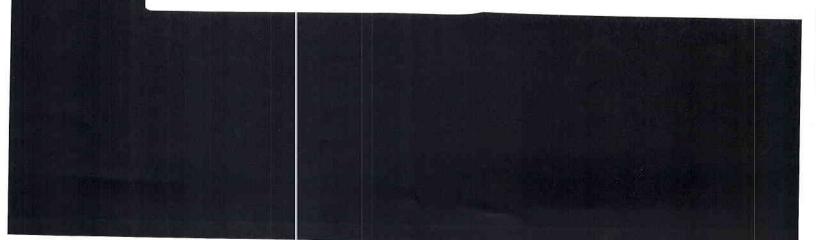
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		647	*
Thickness of Strata	Formation	Total Depth	Remarks
/	shale & lime	648	
4	Shale	652	1)
4	Lime	656	
2	shale	658	
	Sandy shale flime	659	
/	Seine	660	
- 5	Sand	660.5	broken - 50% 011
	Core	678.5	
81.5	sandy shale	760	CT OT
			ž
	-6-		-7-

Core

Thickness of	-	Total	
Strata	Formation	Depth	Remarks
	51 51	660	5
6	Sque	666.5	- broken - 75% solid
4	sand & sandy she	1. 1.70 .	= brok 5-10% Dil
3	the second se	673.5	FIND DI
0	Sandy shalk	619.7	NOUT
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	-8-		-9-



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					· · • •	-000
	CONSOLIDATED		81 6	TICKET NUM		5209
	Oll Well Services, LEC			LOCATION_	Ottawa, KS)
PO Box 884	Chanute, KS 66720			FOREMAN	aren Kenny	- chi
620-431-9210	or 800-467-8676	FIELD TICKET & TREA		ORT	/	
DATE	the second se	CEMEN				•
1211/10	C +	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
La/10/12 CUSTOMER	<u>I</u> <u>S.F</u>	zihler # 50	NW 8	110	21	
m	en Rock		建物的非常能		Colline of the second	<u> </u>
MAILING ADDF	RESS		TRUCK#	DRIVER	TRUCK#	DRIVER
120	Shoreline Dr	- 4	481	Casker	V Satur	Mortina
CITY	STATE	ZIP CODE	Celeb	GarMas	V	The start
Coursbu	KS KS	66053	510	Settuc	V	
JOB TYPE 10						
CASING DEPTH	2-1			CASING SIZE & V	WEIGHT 27	8"EVE
SLURRY WEIG	DRACT IL			4'	OTHER	
	4 00/11		k	CEMENT LEFT in	CASING 31	1
REMARKS: h				MC	pm	
COLLI	and a state	A realized and a current	ubligs, mi	xed + pun	red ino #	Remium
4	100/1001	Fresh water, mix	ed tom	27.21	U Cal	Prick
Cement 1		A TO OUT O OUT	face, flue	shed pour	e clean	2-MIX
	ober plug to bat	the up 4.02 bbls	tresh wa		1/0	pomped
re leased	pressure, shut i	n casing.		- April and	CUT NO U	00 PSI,
· · · · · · · · · · · · · · · · · · ·				Λ	71	
			Anna an anna A	71-1	(
				TI	>	
		42		1		
ACCOUNT				(
CODE	QUANITY or UNITS	DESCRIPTION of	SERVICES or PRO	DUCT		
5401	1	PUMP CHARGE		2001	UNIT PRICE	TOTAL
5406	20 mi	MILEAGE				1030.00
5402	7751	MILEAGE				80.00
5407	Tolu	Casing tootage 80.0				
3104	minimon	ton mileage				350.00
		0				20.
11-11	1011					
1124	101 des	5%50 Pozmix C	enout			NAFR
11183	270 #	Premium Gel 21/2 "rubber pl				1105.95 56.70
4402		2's" Cillhaged		1		56. to
			<u> </u>		••	28.00
				<u>e</u> j <u>e</u>		1
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	10.00 M			LK I		ated
			Nat: 12			
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win 3737			1) 1)	7.8%	SALES TAX	92 5
	Ϊ.				ESTIMATED	92.86
UTHORIZTION /	Vo Co. Reg. onlo	alin			TOTAL	2743.51
	· · · · · · · · · · · · · · · · · ·	CARLON TITLE		п		

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