

Kansas Corporation Commission Oil & Gas Conservation Division

1139589

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: Deepening Re-perf. Conv. to ENHR Conv. to SWD Conv. to GSW	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 clo	osed, flowing and shu es if gas to surface te	d base of formations pen t-in pressures, whether s st, along with final chart(well site report.	hut-in pressure rea	ched static level,	hydrostatic press	sures, bottom h	ole temperature, fluid
Drill Stem Tests Taker (Attach Additional		Yes No		og Formatio	n (Top), Depth ar	nd Datum	Sample
Samples Sent to Geo	ological Survey	☐ Yes ☐ No	Nam	е		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Copy	d Electronically	Yes No Yes No Yes No					
List All E. Logs Run:							
		Report all strings set-o		ermediate, producti	<u> </u>		
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 / SQL	 JEEZE RECORD			
Purpose: —— Perforate —— Protect Casing	Depth Top Bottom	Type of Cement	# Sacks Used		Type and F	Percent Additives	
Plug Back TD Plug Off Zone							
	DEDEODATI	ON DECORD - Deider Blue	- O-4/T	Asid Fro	cture, Shot, Cemen	t Causana Dagar	
Shots Per Foot	Specify I	ON RECORD - Bridge Plug Footage of Each Interval Per	forated		mount and Kind of Ma		Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or EN	HR. Producing Meth		Gas Lift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf Wat	er B	bls.	Gas-Oil Ratio	Gravity
DISPOSITI	ON OF GAS:		METHOD OF COMPLE	ETION:		PRODUCTIO	ON INTERVAL:
Vented Solo		Open Hole	Perf. Dually	Comp. Cor	nmingled		
(If vented, Su	bmit ACO-18.)	Other (Specify)	(Submit)	4CO-5) (Sub	mit ACO-4)		_

Commenced Spudding: 5/8/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
3	Soil/Clay	3
80	Sand	83
119	Shale	202
5	Lime	207
7	Shale	214
14	Lime	228
8	Shale	2326
7	Lime	243
6	Shale	249
2	Lime	251
15	Shale & Shells	266
10	Shale	276
23	Sand & Sandy Shale	299
18	Lime	317
17	Sandy Shale & Sand	334
58	Shale	392
22	Lime	414
16	Shale	430
3	Shale & Lime	433
5	Lime	438
17	Shale	455
7	Sand	462
18	Lime	480
4	Shale	484
1	Lime	485
13	Shale	498
25	Lime	523
11	Shale	534
21	Lime	555
3	Shale	558
5	Lime	563
4	Shale	567
5	Lime	572
5	Shale	577
11	Sand	588
41	Shale	629
35	Sandy Shale	664
28	Shale	692
12	Sand	704
7	Sandy Shale	711

Douglas County, KS Well: Finnerty 20

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

Commenced Spudding: 5/8/2013

Lease Owner: R.T. Enterprises

33	Shale	744
6	Lime	750
19	Shale	769
6	Lime	775
16	Shale	791
3	Lime	794
5	Shale	799
7	Sand & Sandy Shale	806
2	Lime	808
5	Shale	813
3	Lime	816
31	Shale	847
1	Sand	848
1	Sand	849
1	Sand	850
3	Sand	853
5	Sand	858
5	Sand	863
3	Brokensand	866
10	Sandy Shale	876
64	Shale	940

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) + $\frac{(D-d)^2}{4C}$

* Need these to figure belt length

TO FIGURE AMPS:

WATTS = AMPS VOLTS

746 WATTS equal 1 HP

Log Book

Well No	9	
Farm <u>C. n. n.</u>	~~ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
(State)	,	(County)
(Section)	\E (Township)	<u>⊃</u> C (Range)
For (2.7. c	(Well Owner)	<u> </u>

Town Oilfield Services, Inc.

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

Farm: Dayles County			4	
State; Well No. 20	_			
Elevation 1055	-		4	
Commenced Spuding 5 8 ,20 13				
Finished Drilling	4			
Driller's Name	-		1	
	·		f_{-}	
Driller's Name			¥	
Driller's Name	·		\$	
Tool Dresser's Name	—			
Tool Dresser's Name	-			
Tool Dresser's Name			å a	
Contractor's Name 105	3/7			
11 15 20	-		9	
(Section) (Township) (Range)			Ì	
Distance from S line, 11.8.5ft.	12		Ĭ	
Distance from E line, 2445 ft.			V.	
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			i.	
	9-1		112	
_ , (_ (_ \ _ \ _			41	
	-		39	
CASING AND TUBING		***		
CASING AND TUBING		etter.		
CASING AND TUBING RECORD		***		
CASING AND TUBING RECORD		***		
CASING AND TUBING RECORD 10" Set 10" Pulled				
CASING AND TUBING RECORD 10" Set	14-			
CASING AND TUBING RECORD 10" Set 10" Pulled	14-			
CASING AND TUBING RECORD 10" Set	-			
CASING AND TUBING RECORD 10" Set 10" Pulled 78" Set 8" Pulled 6%" Set 6%" Pulled	-		-1-	

C. C. Street	244477	

Thickness of Strata	Formation	Total Depth	Remarks
3	so.1/a/a/	3	
みり	swd	83	145- water
119	shale	303	
5	Livie	207	
.5	shale	214	
1,4	Livine	338	
8	share	234	
ר"	Livie	3.1.3	
<u> </u>	she le	249	•
12	2 min	251	
15	sheeled shells	200	
10	=1/4/6	276	-
23	senda sindystal	eaga	
18	Line	317	-
٦٦.	sund, shaletian	1334	
58	shale	392	-
22	rime	PIK	•
16	skede.	430	4
3	wheeless inte	433	
5	Time	1138	
-17	shele	455	<u> </u>
7	sind	,4 CD	wed. 10 ci)
15/	1-11-6	1180	· · · · · · · · · · · · · · · · · · ·
Ε'	shale	484	
	Lime	485	
13	exc.1c	4018	
25	Lime -2-	523	

-2-

-3-

Indicates of Strata Formation Depth Remarks 11 Shele 53'4 21 Line 555 3 Shele 555 5 Line 563 4 Shele 577 5 Line 572 4 Shele 577 7 Shele 577 7 Shele 70'4 7 Shele 750 14 Shele 764 7 Shele 769 14 Shele 769 15 Shele 769 16 Shele 769 17 Shele 769 18 Shele 769 19 Shele 769 10 Shele 769 11 Shele 769 12 Shele 769 13 Line 808 5 Shele 913 3 Line 808 5 Shele 913 3 Line 808 5 Shele 913 3 Line 808 5 Shele 913	-	T	523	
11 state 534 21 Lime 555 3 Shale 558 5 Lime 563 4 Shele 577 5 Lime 572 Hanke 5 Shale 577 11 Shale 629 11 Shale 629 12 Sind 704 7 Sandshale 711 33 Shale 744 6 Lime 750 19 Shale 729 10 Shale 729 5 Shale 729	Thickness of Strata	Formation	Total	Remarks
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5 Lime 503 H Shele 507 5 Lime 572 Hanke 5 Shele 577 HI Shele 629 28 Shele 692 12 Soud Fole 711 33 Shele 744 6 Lime 750 19 Shele 791 3 Lime 794 5 Shele 799 7 Sandson John 800 2 Lime 799 5 Shele 799 7 Sandson John 800 2 Lime 800 2 Lime 800 3 Lime 800	71	Lime	888	
# Shele 567 \$ \frac{1}{2} \text{ince} \frac{572}{572} \text{Hanke} 5 \text{shele} \frac{572}{577} 11 \text{sand} \frac{588}{588} \text{shele} 11 \text{shele} \frac{629}{629} 12 \text{shele} \frac{697}{70'i} 13 \text{shele} \frac{70'i}{711} 13 \text{shele} \frac{744}{744} (c \text{lime} \frac{750}{769} 14 \text{shele} \frac{749}{749} 15 \text{shele} \frac{799}{799} 7 \text{sandsundack 800} 2 \text{lime} \frac{808}{5} 5 \text{shele} \frac{813}{5} 3 \text{lime} \frac{816}{5} 31 \text{chale} \frac{816}{5}	3	skelz	558	
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5 shale 799 7 sandtadalet 806 2 Lime 808 5 shale 813 3 Lime 816 31 chale 847	16	Shorte	791	
7 sandosadysket 806 2 Lime 808 5 shale 813 3 Lime 816 31 shale 847	3	Livne	425	
2 Lime 808 5 Shale 813 3 Lime 816 31 Shale 847	5	shok	799	
5 shorte \$13 3 Lime \$16 31 shorte \$47	7	sand sond which	806	
3 jime 816 31 chale 1947	7	Lime	808	
31 shale stat	5	shorte	813	
31 shale styl	3	Lime	816	8
1 500 d 848 300-4000 oil	31	shele		3
Sind 849 - 1010 011		bruce		34/2-210/
-4- -4-		sund	849	5% 61

-5-

849 Total Thickness of Remarks Formation Depth Strata 50% - 60°6 OK bles 2. we ×20 Sound 80% - 90% 70% - 40% 18% -20% 3 no 6.1 20 876 940 (-14

-6- -7-



Ravin 3737

LOCATION Offers KS
FOREMAN Con Kenned

SALES TAX **ESTIMATED**

TOTAL

DATE

DATE	CUSTOMER# WEL	L NAME & NUMBER	ENT SECTION	TOWNSHIP	RANGE	COLINITY
-11			3ECTION		3250205730	COUNTY
5/8/013	5954 France	y # 20	135 (1	1 /5	50	<u>D6</u>
CUSTOMER Ojent	inc.	′	TRUCK #	DRIVER	TRUCK#	DRIVER
AILING ADDRE	ESS		481	Casken	11,001(11	DINVER
120 5	hoseline Dr		666	GarHoo		
ITY	STATE	ZIP CODE	548	Mik Haa		
Louisbu	KS KS	166053	370	Kei Car		
OB TYPE_JUL	101		РТН 92 '	CASING SIZE & V	VEIGHT	7 000 F
ASING DEPTH	041	TUBING			OTHER	
LURRY WEIGH			gal/sk	CEMENT LEFT in		
ISPLACEMENT		TALLEY OF V		RATE 4.5		
REMARKS: L	A 1 C 1	, estblished cir	culation a	to the little of	ward 45	skr
	mix cement w/	2% Premion	Gel cor	t comou-		ice .
			for shot in	casing	0 30. 0	,
displaced	cement w/ 3-1	ADIS NEGIN CON	yed , onor in	Casing		
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			190	10)1		* ***
	Yar III				/	
ACCOUNT	QUANITY or UNITS	DESCRIPTIO	N of SERVICES or PR	ODUCT	UNIT PRICE	TOTAL
54015	,	FUMP CHARGE				870.00
5401c	on lease	MILEAGE _				
	90'	- / /				
(40)		pasing toota	ap			
5402	1/2 minimum	ton wileas	7			184.00
5407	1/2 minimizer	ton mileagi	7			184,00
	1/2 minimum	17	7			1011
5407 5502(thr	ton mileagi	2			90,00
5407 5502(thr 45 des	ton mileagi 80 Vac	x cernent			517.50
5407 5502(thr	ton mileagi	x cernent			90,00
5407 5502(thr 45 des	ton mileagi 80 Vac	x cernent			517.50
5404 5502(1124	thr 45 des	ton mileagi 80 Vac	x cernent			90,00 517.50

AUTHORIZTION No Co. Rep. on location TITLE_ 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.



258721

LOCATION O Khana KS
FOREMAN Fred Mader

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

FIELD TICKET & TREATMENT REPORT

620-431-9210 (or 800-467-8676		CEMEN				
DATE	CUSTOMER#	WELL NAME & NU	MBER	SECTION	TOWNSHIP	RANGE	COUNTY
5/9/13	5954	Finnerly #	20	NEIL	1,5	20	pG
CUSTOMER		Ø	1	TRUCK #	DRIVER	TRUCK# T	DRIVER
MAILING ADDRE	en roc			7/2	Safek	mutes !	DRIVER
		N -	8	495		HB	
CITY	Shore line	STATE ZIP CODE	-	675	Har Bec 1	KD	
	t	145 46053	1	548		mH	
Louis				940	CASING SIZE & W		SUF.
	111111111111111111111111111111111111111	DRILL PIPE	TUBING	•		OTHER_	
CASING DEPTH				k		2000	of Plue
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ACCOUNT		<u> </u>			ODUOT.		
ACCOUNT CODE	QUANITY	or UNITS	DESCRIPTION of	SERVICES or PR		UNIT PRICE	TOTAL
540 (/ PUMP CHA	RGE		495		108500
5406		20m, MILEAGE			495		8400
5402	9	722		***			N/c
5407	Mini	nun Jon	Miles		548		36800
55020	r	2hrs 80	BAL Vac	Truck	675		18000
			-(1.1(*))		**		
			/) //	201			01
1124		345KS 50/		nix Cem	Lux		1541
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	<u></u>		1112		7.3%	SALES TAX	121 47
Ravin 3737		. 1				ESTIMATED TOTAL	35024
AUTHORIZTIO	" () " ,	4/2	TITLE			DATE	
	· · · · · · · · · · · · · · · · · · ·						

t 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 for