

Confidentiality Requested:

Yes No

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

1217863

Form ACO-1
August 2013
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 East Wes			
Address 2:			Feet	from North / South Line of Sectio		
City: St	ate: Zip	D:+	Feet	from East / West Line of Section		
Contact Person:			Footages Calculated from Ne	earest Outside Section Corner:		
Phone: ()			□ NE □ NW	☐ SE ☐ SW		
CONTRACTOR: License #			GPS Location: Lat:	, Long:		
Name:				g. xx.xxxxx) (e.gxxx.xxxxx)		
Wellsite Geologist:			Datum: NAD27 NAD27			
Purchaser:			County:			
Designate Type of Completion:			Lease Name:	Well #:		
New Well Re-	·Fntrv	Workover	Field Name:			
	_		Producing Formation:			
☐ Oil ☐ WSW	SWD	SIOW	Elevation: Ground: Kelly Bushing:			
☐ Gas ☐ D&A ☐ OG	☐ ENHR	☐ SIGW ☐ Temp. Abd.	Total Vertical Depth:	Plug Back Total Depth:		
CM (Coal Bed Methane)	G3W	iemp. Abd.	Amount of Surface Pipe Set a	and Cemented at: Fee		
Cathodic Other (Core, Expl., etc.):			Multiple Stage Cementing Co			
If Workover/Re-entry: Old Well Inf				Fee		
Operator:				nent circulated from:		
Well Name:			, ,	w/sx cm		
Original Comp. Date:			loot doparto.			
	_	NHR Conv. to SWD				
Deepening Re-perf. Plug Back	Conv. to GS		Drilling Fluid Management F (Data must be collected from the			
Commingled	Permit #:		Chloride content:	ppm Fluid volume: bbl		
Dual Completion	Permit #:		Dewatering method used:			
SWD	Permit #:		Location of fluid disposal if ha	auled offsite:		
☐ ENHR	Permit #:		One water Name .			
GSW						
				License #:		
Spud Date or Date Rea	iched TD	Completion Date or		TwpS. R		
Recompletion Date		Recompletion Date	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					
Confidentiality Requested					
Date:					
Confidential Release Date:					
Wireline Log Received					
Geologist Report Received					
UIC Distribution					
ALT I II III Approved by: Date:					

Sec Twp S. R East West County:	erator Name:		Lease Name:			Well #:	
open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recover and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.  Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).  Drill Stem Tests Taken	TwpS. R	_	County:				
files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).  Drill Stem Tests Taken	n and closed, flowing and shut-in p	ssures, whether shut-in pre	essure reached stati	c level, hydrosta	tic pressures, bott		
(Attach Additional Sheets)  Samples Sent to Geological Survey				gs must be ema	iled to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log
Samples Sent to Geological Survey  Cores Taken  Electric Log Run  Yes  No  Yes  No  Yes  No		Yes No			on (Top), Depth an		
Electric Log Run Yes No	nples Sent to Geological Survey	Yes No	Name	Э		Тор	Datum
List All E. Logs Run:							
	All E. Logs Run:						
CASING RECORD New Used  Report all strings set-conductor, surface, intermediate, production, etc.					on etc		
Size Hele Size Casing Weight Setting Tune of # Seeks Time and Person	Size Hole	· -		· · · · · · · · · · · · · · · · · · ·		# Sacks	Type and Percent
Purpose of String Drilled Set (In O.D.) Lbs. / Ft. Depth Cement Used Additives							
ADDITIONAL CEMENTING / SQUEEZE RECORD		ADDITIONAL	L CEMENTING / SQU	EEZE RECORD	I		
Purpose:  Perforate Protect Casing Plug Back TD  Depth Top Bottom  Type of Cement # Sacks Used Type and Percent Additives  # Sacks Used Type and Percent Additives	Purpose: Depth Type of Cement Perforate Protect Casing		# Sacks Used	# Sacks Used Type and Percent Additives			
Plug Off Zone							
Did you perform a hydraulic fracturing treatment on this well?  Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No (If No, skip questions 2 and 3)  (If No, skip question 3)  Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No (If No, skip question 3)	s the volume of the total base fluid of the	ydraulic fracturing treatment ex		Yes	No (If No, ski	p question 3)	
Shots Per Foot PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth							d Depth
				( ,		Contact Cooper	Sop
TUBING RECORD: Size: Set At: Packer At: Liner Run: Yes No	BING 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)	e of First, Resumed Production, SWD o			Gas Lift □ ∩	Other (Explain)		
Estimated Production Per 24 Hours  Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity	=					as-Oil Ratio	Gravity
DISPOSITION OF GAS: METHOD OF COMPLETION: PRODUCTION INTERVAL:	DISPOSITION OF GAS:		METHOD OF COMPLE	TION		PRODI ICTIO	ON INTERVAL:
Vented Sold Used on Lease Open Hole Perf. Dually Comp. (Submit ACO-4)  (If vented, Submit ACO-18.)	Vented Sold Used on Le		Perf. Dually	Comp. Cor		THODOGIN	ZIVIIVI EI IVAE.

Form	ACO1 - Well Completion		
Operator	TDR Construction, Inc.		
Well Name	McCoy 3W		
Doc ID	1217863		

### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	9	7	10	21	Portland	3	50/50 POZ
Completio n	5.6250	2.8750	8	822	Portland	127	50/50 POZ

07/30/2014

### WELL LOG

hickness of Strata	Formation	Total Depth	
0-42	soil/clay	42	
25	shale	67	
6	lime	73	
1	shale	74	
17	lime	91	
7	shale	98	
11	lime	109	
2	shale	111	
. 2	lime	113	
2	shale	115	
17	lime	132	
40	shale	172	
19	lime	191	
78	shale	269	
22	lime	291	
24	shale	315	
1	lime	316	
1	shale	317	
5	lime	322	
42	shale	364	
1	lime	365	
15	shale	380	
8	lime	388	
2	shale	390	
13	lime	403	
8	shale	411	
24	lime	435	
3	shale	438	
5	lime	442	
5	shale	447	
4	lime	451	
25	shale	479	
6	sand	485	
8	sandy shale	493	
*9	shale	502	
46	sandy shale	548	
35	shale	583	
4	sand and sandy shale	587	
46	shale	633	
7	lime	640	

## Franklin County, KS Town Oilfield Service, Inc. Commenced Spudding: Well:McCoy 3W (913) 837-8400 07/30/2014

Well:McCoy 3W Lease Owner: TDR Const

9	shale	649
3	lime	652
6	shale	658
7	lime	665
14	shale	679
3	lime	682
8	shale	690
2	lime	692
5	shale	697
2	lime	699
21	shale	720
3	lime	723
4	shale	727
3	sandy shale	730
2	sand	732
2	sand	734
3	sand	737
11	sandy shale	738
4	sand	742
2	sand	744
28	sandy shale	772
68	shale	840-TD
		***

## **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) + (D-d)2

\* Need these to figure belt length

WATTS = AMPS

TO FIGURE AMPS:

746 WATTS equal 1 HP

# Log Book

Well No. 5W	·	
Farm McC	)Y	
(State)	Tva	nKlin (County)
(Section)	(Township)	(Range)
For TDR	(Well Owner)	

### Town Oilfield Services, Inc.

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

McCoy Farm: Franklin County					Zhoù),	
ks State; Well No. 3W	CA	ASING A	ND TUBING	MEASL	JREMENTS	
Elevation 1043	Feet	In.	Feet	In.	Feet	In.
(1 1 1 2 0) V( V	790	90	BaffI			
Commenced Spuding 2017	822	45	Tota	1		
Finished Drilling 07/31, 20 19	27/21	1//	Pipe		*	
Driller's Name Grey Perry	479		TIPE			
Driller's Name						
Driller's Name	**************************************					
Tool Dresser's Name Keynny Conn	<del> </del>					
Tool Dresser's Name						
Tool Dresser's Name	***************************************					
Contractor's Name						à
-32 13 al					-	***
(Section) (Township) (Range)						
Distance from 5 line, 3476 ft.						
Distance from E line, 330 ft.						
· 3 bag of coment · Charge for surface · 1/2 hour Sot swface · 6 hour Long String						
· Charge for surface						
· 1/2 hour Sot surface					-	
· 6 hour Long Strines				_#		
CASING AND TUBING				-		
RECORD					+	
11200115						
10" Cae	-					
10" Set 10" Pulled						
8" Set 8" Pulled '		-		_		
6%" Pulled						
4" Set 4" Pulled	-					
2" Set 2" Pulled			-1-			

Thickness of Strata	Formation	Total Depth	Remarks
0-42	Soil-Clay	42	Nontario
25	Shale	67	
E	Lime	73	
1	Shale	74	
17	Lime	91	
7	Shelle	98	
F(	Lime	109	201-2
2	Shale	111	
2	Lime	113	
2	Shale	115	
17	Lime	132	
40	Shale	172	
19	Lime	191	1
78	Shale	269	
23	Lime	291	207
24	Shale	315	
	Lime	316	
1	Shale	217	
5	Lime	322	
42	Shale	364	
1	Lime	365	
15	Shale	380	lt.
8	Lime	389	
ス	Shale	390	
13	Lime	403	
8	Shale	411	
24	Lime	435	

Jr.		439	
Thickness of Strata	Formation	Total Depth	Remarks
3	Shale	438	TACHILIA
5	Line	442	-
2	Shale	447	
4	Line	451	11 6
25	Shale	479	Hertha
6	Sand	485	M m 1
9	Soudy Shale	493	Nooil
9	Shalo	502	198
46	Sandy Shale	548	
35	Shale	583	<del></del>
4	Soud & Sandy Shale	587	NoOil
46	Shale	633	- 100011
7	Lime	640	
9	Shale	649	
3	Lime	652	
6	Shale	688	
7	Line	665	T
14	Shale	679	
う	Lime	682	
8	Shale	690	
2	Lime	692	
5	Shale	697	
え	Line	699	
21	Lime Shale	720	
3	Lime	723	2:
y	7 half	727	
3	Sandy Shale	727 730	

men y	7	1
	ZA	

	C.	120	
Thickness of Strata	Formation	Total Depth	Remarks
-2	Sand	732	Broken 5%
2	Surd	734	Broken - Good saturation-SOS
3	Sand	737	Broken 10%
-	Sandy Shale	738	No Oil
4	Sand	742	Broken 10°
2	3 and	744	Broken-Good saturation 25%
28	Sandy Shake	772	
68	Shale	840	TD
A (#)	10		
	21		
* 👡	**		
	*		
	Contract of the Contract of th	c*	
		-	
	0	18.5	
	3		

### **Town Oilfield Service**

P.O Box 339 Louisburg, Ks 66053 913-837-8400

Ticket Number	
l.ocation	
Foreman	

# Field Ticket & Treatment Report Cement

Date	Customer#	Well Na	me & Num	ber	Section	Township	Range	Со
7-31-14		McCos	, 3W	)	32	15	21	F
Customer	DR			Aailing Addr				
			C	ity		State	Zip Code	
Job Type <u>//o</u> g	10 Strive H	ole Size <u>5</u> 5/	/8_ Hol	e Depth_	<b>5</b> 40	_ Casing Size	& Weight	15
Casing Depth	822 Drill	Pipe	Tubin	g		Other		
Displacement_	Disp	placement PSI	Mix	PSI		Rate		
Damanda								
Remarks		1111						
						- 1		
				× × × × × × × × × × × × × × × × × × ×		8		
						N N	ar and a final de	
3						2		
Account Code	e Quantity	or Units	Descrip	otion of S	ervices or	Product	Unit Price	To
Account Code	e Quantity	or Units	Descrip Pump (		ervices or	Product	Unit Price	
Account Code	e Quantity	or Units		Charge	ervices or	Product	Unit Price	7.
Account Code	e Quantity	or Units	Pump (	Charge t Truck	ervices or	Product	Unit Price	73
Account Code	e Quantity		Pump ( Cemen	Charge t Truck Truck	ervices or	Product	Unit Price	72 23 13
Account Code			Pump ( Cemen Water	Charge t Truck Truck	ervices or	Product		72 23 13
Account Code			Pump ( Cemen Water Cemen	Charge t Truck Truck	ervices or	Product		73 /3 /01
Account Code			Pump C Cemen Water Cemen Gel	Charge t Truck Truck	ervices or	Product		73 /3 /01
Account Code			Pump C Cemen Water Cemen Gel	Charge t Truck Truck	ervices or	Product		73 /3 /01
Account Code			Pump C Cemen Water Cemen Gel	Charge t Truck Truck	ervices or	Product		To 72 23

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.