

## KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1094545

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 # 6655	API No. 15 - 15-137-20589-00-00
Name: Crawford, Garry F. dba Crawford Production Company	Spot Description:
Address 1: PO BOX 727	SW_NW_NE_SE_Sec. 5 Twp. 3 S. R. 23 ☐ East  West
Address 2:	Feet from  North / South Line of Section
City: EL DORADO State: KS Zip: 67042 + 0727	995 Feet from 🗹 East / 🗌 West Line of Section
Contact Person: garry crawford	Footages Calculated from Nearest Outside Section Corner:
Phone: (316) 321-3942	□ NE □ NW ☑ SE □ SW
CONTRACTOR: License # _33575	County: Norton
Name: WW Drilling, LLC	Lease Name: Miller Well #: 1-5
Wellsite Geologist: larry friend	Field Name:
Purchaser:	Producing Formation: reagan sand
Designate Type of Completion:	Elevation: Ground; 2345 Kelly Bushing: 5
✓ New Well Re-Entry Workover	Total Depth: 3620 Plug Back Total Depth:
✓ Oil ☐ wsw ☐ swp ☐ slow	Amount of Surface Pipe Set and Cemented at: 220 Feet
Gas D&A DENHR DIGW	Multiple Stage Cementing Collar Used?   ✓ Yes   No
☐ OG ☐ GSW ☐ Temp. Abd.	If yes, show depth set: 1931 Feet
CM (Coal Bed Methane)	If Alternate II completion, cement circulated from:
Cathodic Other (Core, Expl., etc.):	• '
If Workover/Re-entry: Old Well Info as follows:	feet depth to:w/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	Chloride content: 2000 ppm Fluid volume: 600 bbls
☐ Conv. to GSW	Dewatering method used: Evaporated
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	
SWD Permit #:	Lease Name: License #:
ENHR	Quarter Sec. Twp. S. R. East West
GSW Permit #:	County: Permit #:
11/01/2011 11/01/2011 08/12/2012	
Spud Date or 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 I II Approved by: Described Date: 10/01/2012

Side Two



Operator Name: Crawf	ord, Garry F. dba Cra	wford Production Co	mpany L	.ease N	lame:	Miller		Well #: <u>1-</u>	5	
Sec. 5 Twp.3	s. R. <u>23</u>	☐ East	t C	County:	Norto	on				
INSTRUCTIONS: Shortime tool open and clos recovery, and flow rates line Logs surveyed. Att	ed, flowing and shu s if gas to surface te	t-in pressures, whe st, along with final o	ther shut-ir	n press	ure read	ched static level,	hydrostatic pre	ssures, bottom l	nole temp	erature, fluid
Drill Stem Tests Taken (Attach Additional St	neets)	✓ Yes ☐ t	40		∐ Le	og Formation	n (Top), Depth	and Datum		Sample
Samples Sent to Geolo	gical Survey	✓ Yes □ I	No		Nam	ė		Тор	I	Datum
Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy)	Electronically	Yes In Ye	No							
List All E. Logs Run:					gamm	а гау		3620	36	663
gamma-ray cement bond log										
			SING REC		✓ Ne	w Used	on etc			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)		Weigl Lbs./	ht	Setting Depth	Type of Cement	# Sacks Used		and Percent
surface	12.25	8.58	20			220	class A	165	465 ca	ıl chol
production	7.78	4.5	14		<del></del>	3620	class A	150	500 ca	d
		ADDIT	ONAL CEA	MENTIN	IC / COI	FF7F DECORD				
Purpose: Perforate	Depth Top Bottom	Type of Cemen		# Sacks I		EEZE RECORD	Туре ал	l Percent Additives	i	
Protect Casing Plug Back TD Plug Off Zone	-		-							
	<u> </u>					.,.				
Shots Per Foot		ON RECORD - Bridg Footage of Each Interv					ture, Shot, Cemonount and Kind of	ent Squeeze Recor Material Used)	ď	Depth
				<del></del>						
THRING BECORD	Cira:	Cot At:		- alı * ·		Lines				L
TUBING RECORD:	Size:	Set At:		acker At:	-	Liner Run:	Yes [	ło		
Date of First, Resumed P	roduction, SWD or EN	HR. Producin	g Method: ng 🔲 F	Pumping		Gas Lift 0	ther (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf		Wate	er Bb	ols.	Gas-Oil Ratio		Gravity
DISPOSITION	N OF GAS:		METH	IOD OF (	COMPLE	TION:		PRODUCTION	ON INTER	VAL:
Vented Sold	Used on Lease	Open Hole	Per		Dually		mingled nit ACO-4)		·	
(If vented, Subm	nit ACO-18.)	Other (Spec	:ify)		(Gabrint F		ACC-4)			

Subject: Miller # 1-5 Cement Invoice
Date: Tuesday, August 7, 2012 2:53 PM
From: Larry Crawford <LarryDale@cox.net>
To: Garry Crawford <gcrawford11@cox.net>

\$	OHSOLIDATED	BLD TICHET A TO	3	TICKET HUME LOOKTECK_ PORTERAN_	College College	Pris.
STREET, SECTION 14	9745-75 STW PS		MAT POLY	200.5		
to a	100 March 1 100	L. Wood, S. wolfdy St.	1 90,500	1 commen	T-New T	THESE
K16-53	2197 871	en 1-5	3	37	230	Borton
000-	strong riles	a of som	PRINTE	T. Maria	TOWNS A	T. Second
140,400	E		186.3	1 1000	16	1
	The state of the s		4754	Copis		
	2001	Section 1				
170 E	W. D. wasnes	724	m 30.62			
	Bullet market	1 1000		resolvable in	F144 15	Se Sand
Propole	St. Compt. n. S. i.	an sect, L	- Cal Cin	J. Clark		ellig:s-
	and Politicoon	Elect Hold				
	and Dillimone	Elect Hold				
	and Dilliamon	Edward Hodel		Market		
anne 1	usanta para		W + 13000 + 40	Amad pla		-
Allen Allen			,	Amad pla	th Grinul sect thesis	Min.
anes Director	Marine and	00303970 0137-50000 38-502	,	Amad pla	nG/mil ant was	2000
ases Over a	esserve sens	GENERAL SERVICE SERVIC	W + 1,000,000 + A4	Almad pla tokali (mac)	Million Inches	201/ 201/ 201/
ASTR DOCLAR DOCK	esservation AST 150 AST Screen A	ornaria continues motor	w w = 1,000,00 + 70	Almad Planton	action on the second	202/ 202/ 202/ 202/
Med a	esserve sens	ornaria continues motor	w w = 1,000,00 + 70	Almad Planton	ACCOMMENT OF THE PROPERTY OF T	200
ASTR DVCLL DVCL DVC	esservation AST 150 AST Screen A	on service of the ser	Defring	Almad Planton	ACCOMMENT OF THE PROPERTY OF T	200
AND CONTRACTOR OF THE PARTY AN	esservation AST 150 AST Screen A	OF STATE OF	Artimorna ( Defries Sertifican form essy	Almad Planton	HOW HIS HOSE OF THE PARTY OF TH	2027 2027 2027 2021 2021 2021 2021 2021
Direction of the control of the cont	economy serio	OF STATE OF	Artimorna ( Defries Sertifican form essy	Almad Planton	AGIONAL SECTION SECTIO	2012 2012 2012 2013 2013 2013 2014 2014 2014 2014
District Lands of the Control of the	economy serio	OF STATE OF	Artimorna ( Defries Sertifican form essy	Almad Planton	Harina Harina Janeara Janea	2012-1 2012-1 2012-1 2012-1 2012-1 2012-1 401-1 604-1
According to the control of the cont	economy serio	Markette Mar	Artimorna ( Defries Sertifican form essy	Almad Planton	AGIONAL SECTION SECTIO	Min.
and I	economy serio	OF STATE OF	A Debine	Almad Planton	Harina Harina Janeara Janea	2012-1 2012-1 2012-1 2012-1 2012-1 2012-1 401-1 604-1
District Lands of the Control of the	economy serio	OF STATE OF	Artimorna ( Defries Sertifican form essy	Almad Planton	Harina Harina Janeara Janea	2012-1 2012-1 2012-1 2012-1 2012-1 2012-1 401-1 604-1
District Lands of the Control of the	economy serio	OCCUPATION OF THE PARTY OF THE	Defring Store	Almad Planton	#Giral 101 mms (#15%) #2 / 15%	2012-1 2012-1 2012-1 2012-1 2012-1 2012-1 401-1 604-1
District Lands of the Control of the	economy serio	OF STATE OF	Defring Store	Almad Planton	Harina Harina Janeara Janea	2012-1 2012-1 2012-1 2012-1 2012-1 2012-1 401-1 604-1



### DRILL STEM TEST REPORT

Cross ford Oli & Ges. Co. LLC

PG Sex 1366 51 Dorado, KS 67042

ATTN: Larry Friend

5/3a/23wiNorton-KS

Miller #1-5

Job Ticket: 43732

DST#: 2

Text Start, 2011.11.05 @ 02:04:00

#### GENERAL INFORMATION:

Fermation: Regan Sand
Deviated: No Whipetock: Time Teel Opened: 03:56:30

ft (KB)

Test Type: Conventional Bottom Hole (Initial) Teator: Kevin Mack

40

Unit No:

Reference Bevations:

2848.00 TO (KB) 2341.00 ft (CF)

KIS to GRICE:

5.00 8

Interval:

Start Date:

Start Time:

3577.80 ft (HM) To 3833.00 ft (HM) (TVD)

Total Depth: 3623.00 ft (KB) (TVD)

Hole Diameter:

Yese Tost Ended: 09:01:30

7.88 inchesHole Condition: Good

Incide

81.45 paip @ 2011.11.06 02:04:00

3576.00 ft (KB)

End Date:

lind Time:

2011.11.05 09:01:30

Capacity: Lest Celts:

8000.00 psig

2011.11.00

Time On Birs: 2011.11.08 @ 03:58:00 Time Off Birs: 2011.11.06 @ 06:59:20

Serial #: 6799

Pressill Run Depth:

TEST COMMENT: IF- SH' Blow built to 5"

15- No Return

FF-Surface blow started at 3 min. Built to 6"

FS- No Return



Time. (Win.)	Pressure (pelg)	Temp (deg F)	Annetotion
. 0	1776.32	80.80	Initial Hydro-scholic
1	21.07	80.50	Open To Flow (1)
31	61.94	85.07	Situat-In(1)
76	656.36	85.80	End Shut-In(1)
77	71.04	86.21	Open To Flow (2)
120	91.45	87.62	Shut-In(2)
182	640.83	88.36	End Shut-h(2)
184	1762.27	88.08	Final Hydro-statio

Leight (f):	Description	Asserted Lond
60.00	OCWM106 40W 50M	0.30
50,00	CICM 40a 60M	0.30
35:00	MCO 70o 30M	0.48
15.00	Free ail 100s	0.21

Gas Rates Chelle (Herney | Chareyon (pag) | Got Path (Wicht)

Triobite Testing, Inc.

Ref. No. 43730

Printed: 2011.11.06 @ 06:13.40