

## KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1059687

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 # 32428	API No. 15					
Name: Crawford Oil LLC	Spot Description:					
Address 1: 30842 INDIANAPOLIS RD	SW NW NE NE Sec. 16 Twp. 18 S. R. 24 F East West					
Address 2:	510 Feet from North / South Line of Section					
City: PAOLA State: KS Zip: 66071 + 4699	4135 Feet from East / West Line of Section					
Contact Person: Lesli Stuteville	Footages Calculated from Nearest Outside Section Corner:					
Phone: ( 913 ) 980-8207	□ NE ☑ NW □ SE □ SW					
CONTRACTOR: License #_6142	County: Miami					
Name: Town Oil Company Inc.	Lease Name: Holtz Well #: 15					
Wellsite Geologist: NA	Field Name: Block					
Purchaser:	Producing Formation: Squirrel					
Designate Type of Completion:	Elevation: Ground: 909 Kelly Bushing: 0					
✓ New Well Re-Entry Workover	Total Depth: 540 Plug Back Total Depth: 12					
✓ Oil WSW SWD SIOW  Gas D&A ENHR SIGW  OG GSW Temp. Abd.  CM (Coal Bed Methane)  Cathodic Other (Core, Expl., etc.):  If Workover/Re-entry: Old Well Info as follows:	Amount of Surface Pipe Set and Cemented at: 20 Feet  Multiple Stage Cementing Collar Used? Yes No  If yes, show depth set: Feet  If Alternate II completion, cement circulated from: sx cmt.					
Operator:	Drilling Fluid Management Plan					
Well Name:	(Data must be collected from the Reserve Pit)					
Original Comp. Date: Original Total Depth:	Chloride content: 15 ppm Fluid volume: 80 bbls					
☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD ☐ 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 #:	Lease Name: License #:					
SWD Permit #:	QuarterSecTwpS. REast West					
ENHR Permit #:	<del>,</del>					
GSW Permit #:	County: Permit #:					
6/22/2011         6/24/2011         7/15/2011           Spud Date or         Date Reached TD         Completion Date or						
Recompletion Date  Completion 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 I III Approved by: Dearns Gerisor Date: (07/19/2011)

Side Two



Operator Name: Craw	ford Oil LLC			_ Lease l	Name: _	10102		_Well #:15			
Sec. 16 Twp. 18	s. R. <u>24</u>	✓ East	West	County	: Miam	ii					
INSTRUCTIONS: Show time tool open and close recovery, and flow rates tine Logs surveyed. Atta	ed, flowing and shu if gas to surface te	t-in pressu st, along w	res, whether sl rith final chart(s	hut-in press	sure read	ched static level,	hydrostatic pres	sures, bottom t	iole temp	erature, fluid	
Orill Stem Tests Taken (Attach Additional Sh	eets)	Ye	es 📝 No		ال	og Formatio	n (Top), Depth a	nd Datum		Sample	
Samples Sent to Geolog	gical Survey	☐ Ye	es 🗸 No		Nam open h			Тор		Datum	
Cores Taken Electric Log Run Electric Log Submitted I (If no, Submit Copy)	Electronically	✓ Ye	s 🔽 No			, oic					
List All E. Logs Run:											
<u></u>	<del></del>		<del>-</del>	RECORD	✓ Ne	<del></del>					
Purpose of String	Size Hole Drilled	Siz	rt all strings set-c e Casing (In O.D.)	Weight	ght	rmediate, product Setting Depth	Type of Cement	# Sacks Used	Type	and Percent	
Surface	9	6.2500		10		20	Portland	3	50/50 POZ		
Completion	5.6250	2.8750	.8750 8			527	Portland	73	5/50 POZ		
<del></del>									<u> </u>		
Purpose:	Depth Top Bottom	Туре	of Cement		# Sacks Used Type and Percent Additives						
Protect Casing Plug Back TD	Perforate Protect Casing										
Plug Off Zone	<u> </u>	<u> </u>		<u> </u>							
Shots Per Foot			tD - Bridge Plug Each Interval Per				icture, Shot, Cemei mount and Kind of N		rd	Depth	
										, <u></u>	
TUBING RECORD:	Size:	Set At:	* · · · · · · · · · · · · · · · · · · ·	Packer A	ıt:	Liner Run:	Yes N	0		L	
Date of First, Resumed P	roduction, SWD or En	IHR.	Producing Meth	nod:	ng [	Gas Lift [	Other (Explain)				
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat	er E	lbls.	Gas-Oil Ratio	<u>-</u>	Gravity	
DISPOSITION	N OF GAS:			METHOD OF	COMPL	ETION:	· · ·	PRODUCTI	ON INTER	WAL:	
☐ Vented ☐ Sold	Used on Lease			Perf.	_	Comp. Co	mmingled mit ACO-4)				

County, KS Town Oil Company, Inc.
Well: Holtz #15 (913) 294-2125 Commenced Spudding: 6/22/2011
Lease Owner: Keith Crawford

## WELL LOG

Thickness of Strata	Formation	Total Depth
12	soil clay	12
10	lime	22 Drawn
12	shale	34
33	lime	67 Winterset
6	shale/slate	73
21	lime	94 Bethany Falls
4	shale/slate	98
2	lime	100 K.C.
4	shale/slate	104
6	lime	110 hertha
23	shale	133
10	sandy shale	143 Slight odor, broken
123	shale	266 grey,sandy
9	sandy shale	275 Green with fossil, no show
5	lime	280 with fossils
41	shale	321 with lime
5	lime	326
6	shale and slate	332
4	lime	336
4	shale	340
2	coal	342
3	shale	345 Grey
9	lime	354
15	shale	369
3	lime	372
16	shale	388
21	lime	409
32	shale	441 with lime streaks
5	lime	446
35	shale	481
10	sand	491 Solid good bleed
1	sand	492 Laminated, but good blee
48	shale	540 T. D.

Core				
Time Elapsed	Feet	Depth	Í	Time
		1	482	40
		2	483	1:59
		3	484	3:15
		4	485	4:40
		5	486	5:24
		6	487	6:06
		7	488	6:48
		8	489	7:37
		9	490	9:00
		10	491	10:37
		11	492	12:30
		12	493	14:28
		13	494	16:48
		14	495	18:28
		15	496	
		16	497	
		17	498	
		18	499	
		19	500	
		20	501	



TICKET NUMBER 32582

LOCATION Offer G

FOREMAN Alan Mader

PO Box 884, Chanute, KS 66720 630-431-9210 or 800-467-8678 FIELD TICKET & TREATMENT REPORT

20-431-9210 or 800-467-8676 CEMENT										
DATE	CUSTOMER#	WEL	L NAME	& NUMBI	ER	SECTION	N	TOWNSHIP	RANGE	COUNTY
6-241	2571	Ho142	共	15		54	4/2	18	24	MC
CUSTOMER	and Dil	Kes	44	Cra	a Lord	TRUCK		DRIVER	TRUCK#	DRIVER
MAILING ADDRE	SS T	<del>~ ~, -</del>				56		Alan M	Baret	Mest
30842	2 Ind	lian all	ی کر	l		495		Tracold 13	458	
спу		STATE	ZIP C			503		Cecil	CHP	
1904		45	Colo	07/						
JOB TYPE D	asstrt-	HOLE SIZE	53/	<u>z</u>	HOLE DEPT	н <u> 540</u>	<u> </u>	Casing Size & V		
CASING DEPTH		DRILL PIPE			TUBING				<i>f</i> .	<u>- 20 526</u>
SLURRY WEIGH		SLURRY VOL			WATER gall		_	CEMENT LEFT IN	CASING 1/+	<u> </u>
DISPLACEMEN	7 1 4	DISPLACEMEN		4.		200	11.0		M	1 100 00
REMARKS:			ner	<u> </u>		579 b1	1350		<u>re. ///</u>	ixed of
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Town	Dil De	: Il'us								
								Allm	11	1
								/ rem	1000	<u>u</u>
ACCOUNT	QUANITY	or UNITS		DE	SCRIPTION	of SERVICES	or PR	ODUCT	UNIT PRICE	TOTAL
3401	1		РИМ	P CHARG	E					925.00
3406	И	0	MILE	AGE						160.00
3402	53	<i>ī'</i>	C	25.00	120	Lace-			1	
5407	n:	<u> </u>		TOY.	<u>n:les</u>					33000
							_			
	<u> </u>						2	CANN	En-	21000
1124	7	30K_	154	<u> 275D</u>	POZ				<u> </u>	762.85
111833_	22	3#	4.9	se(	/				<del></del>	44.60
4402			12	120	luc					28.00
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Ravin 3737	<u></u>	^							ESTIMATED	
	<b>Y</b>	10:10.							TOTAL	コクスよろち

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.