



KANSAS CORPORATION COMMISSION 1059689
OIL & GAS CONSERVATION DIVISION

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
Name: Crawford Oil LLC
Address 1: 30842 INDIANAPOLIS RD
Address 2: _____
City: PAOLA State: KS Zip: 66071 + 4699
Contact Person: Lesli Stuteville
Phone: (913) 980-8207
CONTRACTOR: License # 6142
Name: Town Oil Company Inc.
Wellsite Geologist: NA
Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- 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:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

<u>7/05/2011</u>	<u>7/11/2011</u>	<u>7/15/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-121-28914-00-00

Spot Description: _____
NW NW NE NE Sec. 16 Twp. 18 S. R. 24 East West
210 Feet from North / South Line of Section
4135 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Miami

Lease Name: Holtz Well #: 17

Field Name: _____

Producing Formation: Squirrel

Elevation: Ground: 903 Kelly Bushing: 0

Total Depth: 540 Plug Back Total Depth: 11

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: 0

feet depth to: 21 w/ 3 sx cm.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 1500 ppm Fluid volume: 80 bbls

Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: Deanna Gantzer Date: 6/7/2011



1059689

Operator Name: Crawford Oil LLC Lease Name: Holtz Well #: 17
 Sec. 16 Twp. 18 S. R. 24 East West County: Miami

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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum open hol
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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, 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
Surface	9	6.2500	10	21	Portland	3	50/50 POZ
Completion	5.6250	2.8750	8	524.5	PortInd	63	50/50 POZ

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. _____		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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County, KS
Well: Holtz #17
Lease Owner: Keith Crawford

Town Oil Company, Inc.
(913) 294-2125

Commenced Spudding:
7/05/2011

WELL LOG

Thickness of Strata	Formation	Total Depth
12	soil clay	12
7	lime	19 Drum
14	shale	33
34	lime	67
6	shale/slate	73
22	lime	95
3	shale/slate	98
3	lime	101
4	shale/slate	105
6	lime	111
23	shale/slate	134
4	sand	138
127	sandy shale	265
5	lime	270
10	sandy lime	280
11	sandy shale	291
28	shale	319
5	lime	324
5	shale	329
5	lime	334
3	shale	337
2	coal	339
5	shale	344
7	lime	351
16	shale	367
3	lime	370
17	shale	387
21	lime	408
33	shale	441
3	lime	444
37	shale	481
4	sand	485
1	sand	486
1	sand	487
4	sand	491
3	sand	494
7	sandy shale	501
39	shale	540

Core	Time Elapsed	Feet	Depth	Time	
			1	481	30
			2	482	0:00
			3	483	1:19
			4	484	1:42
			5	485	2:08
			6	486	2:51
			7	487	3:15
			8	488	3:45
			9	489	4:11
			10	490	4:41
			11	491	5:07
			12	492	5:36
			13	493	6:06
			14	494	6:34
			15	495	7:03
			16	496	7:33
			17	497	8:08
			18	498	
			19	499	
			20	500	

