

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 5455
Name: Crawford Oil & Gas Co, LLC
Address: PO Box 1366
City/State/Zip: ElDorado, Kansas 67042
Purchaser: None
Operator Contact Person: Larry Dale Crawford
Phone: (316) 377-3373
Contractor: Name: WW Drilling, LLC
License: 33575
Wellsite Geologist: Ted Jochems

Designate Type of Completion:

☒ New Well ☐ Re-Entry ☐ Workover
☐ Oil ☐ SWD ☐ SIOW ☐ Temp. Abd.
☐ Gas ☐ ENHR ☐ SIGW
☒ Dry ☐ Other (Core, WSW, Expl., Cathodic, 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./SWD

☐ Plug Back ☐ Plug Back Total Depth _____

☐ Commingled ☐ Docket No. _____

☐ Dual Completion ☐ Docket No. _____

☐ Other (SWD or Enhr.?) ☐ Docket No. _____

7/07/2008 7/14/2008 7/14/2008

Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-195-22563-00-00

County: Trego

NE NW SE SE Sec. 1 Twp. 15 S. R. 22 ☐ East ☒ West

1209 feet from (S) N (circle one) Line of Section

880 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE (SE) NW SW

Lease Name: Schmidt West Well #: 1-1

Field Name: Wildcat

Producing Formation: None

Elevation: Ground: 2138 2137' Kelly Bushing: 2143

Total Depth: 4110 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at 219 Feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content 39,000 ppm Fluid volume 1000 bbls

Dewatering method used Air Dry - Backfill

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License No.: _____

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

County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Larry Dale Crawford

Title: Owner/Operator Date: 7-29-08

Subscribed and sworn to before me this 29th day of July

20 08

Notary Public: Patricia A Moore

My Comm. Expires 7-30-2012

My Appt. Expires 7-30-08

KCC Office Use ONLY

☒ Letter of Confidentiality Received

If Denied, Yes ☐ Date: _____

☒ Wireline Log Received

☒ Geologist Report Received

☐ UIC Distribution

RECEIVED

KANSAS CORPORATION COMMISSION

JUL 30 2008

CONSERVATION DIVISION
WICHITA, KS

Operator Name: Crawford Oil & Gas Co, LLCLease Name: Schmidt WestWell #: 1-1Sec. 1 Twp. 15 S. R. 22 ☐ East ☒ WestCounty: Trego

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken
(Attach Additional Sheets)☒ Yes ☐ No

Samples Sent to Geological Survey

☐ Yes ☒ No

Cores Taken

☐ Yes ☒ No

Electric Log Run

☐ Yes ☒ No

(Submit Copy)

List All E. Logs Run:

☐ Log Formation (Top), Depth and Datum ☒ Sample

Name	Top	Datum
STONE CORRAL	1511	+632
HEEBNER	3613	-1370
LANSING	3554	-1411
BKC	3808	-1665
CHEROKEE	3989	-1844
KUTINA	4068	-1925
MISSISSIPPIAN	4096	-1953

CASING RECORD ☒ New ☐ 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	12 1/4	8 5/8	23	29220	Common	150	3% cc, 2% gel

ADDITIONAL CEMENTING / SQUEEZE-RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> 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

METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

RECEIVED
 KANSAS CORPORATION COMMISSION

JUL 30 2008

 CONSERVATION DIVISION
 WICHITA, KS

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 2457

Date	7-14-08	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
Lease	Schmidt + W	Well No.	#1-1	Location			County	State
Contractor				Owner				
Type Job	PTA	Hole Size			T.D.	Charge To		
	7 7/8				410	CRAWFORD OIL & GAS		
Csg.		Depth			Street			
Tbg. Size	4 1/2 D.P.	Depth			City			
Drill Pipe		Depth			State			
Tool		Depth			The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg.		Shoe Joint						
Press Max.		Minimum						
Meas Line		Displace						
Perf.					CEMENT			
EQUIPMENT				Amount Ordered				
Pumptrk	1	No.	Cementer		Consisting of			
			Helper		4 7/8 PL			
Bulktrk	3	No.	Driver		Common			
			Driver		35			
Bulktrk	4	No.	Driver		Poz. Mix			
			Driver		100			
JOB SERVICES & REMARKS				Gel.				
Pumptrk Charge				Chloride				
Mileage				Hulls				
Footage				Salt				
Total				Flowseal				
Remarks:								
1st Plug				Sales Tax				
25 ft 1539								
2nd Plug				Handling				
100 ft 640				Mileage				
3rd Plug				Sub Total				
40 ft 210				Total				
4th Plug				Floating Equipment & Plugs				
10 ft 101				Squeeze Manifold				
20 ft 101				Rotating Head				
20 ft 101				RECEIVED				
				KANSAS CORPORATION COMMISSION				
				JUL 30 2008				
				CONSERVATION DIVISION				
				WICHITA, KS Tax				
				Discount				
				Total Charge				
X Signature								

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

– **TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

– **ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

– **PRICES AND TAXES:** All merchandise listed in "QUALITY'S" current price shall schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

– **TOWING CHARGES:** QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

– **PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

– **DEADHAUL, CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

– **SERVICE CONDITIONS AND LIABILITIES:** 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be constructed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 2443

Date <u>7-7-08</u>	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish <u>7:45 PM</u>
Lease <u>Schmidt - 1244</u>	Well No. <u>1-1</u>	Location <u>Center Blvd Res Tr</u>		County <u>KS</u>	State <u>KS</u>		
Contractor <u>W.W. Drilling</u>				Owner <u>LS 2F Sinto</u>			
Type Job <u>Surfacing</u>				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size <u>12 1/4</u>	T.D. <u>29</u>		Charge To <u>Camford Oil & Gas</u>				
Csg. <u>8 1/2</u> <u>23 1/2</u>	Depth <u>219</u>		Street				
Tbg. Size	Depth		City				
Drill Pipe	Depth		State				
Tool	Depth		The above was done to satisfaction and supervision of owner agent or contractor.				
Cement Left in Csg.	Shoe Joint						
Press Max.	Minimum						
Meas Line	Displace <u>13.32</u>						
Perf.			CEMENT				
EQUIPMENT			Amount Ordered <u>150 Can 3000 26 gal</u>				
Pumptrk <u>1</u>	No.	Cementer	Consisting of				
		Helper					
Bulktrk <u>8</u>	No.	Driver	Common				
		Driver					
Bulktrk	No.	Driver	Poz. Mix				
		Driver					
JOB SERVICES & REMARKS			Gel.				
Pumptrk Charge			Chloride				
Mileage			Hulls				
Footage			Salt				
Total			Flowseal				
Remarks: <u>Cement did Circulate</u>							
			Sales Tax				
			Handling				
			Mileage				
			Sub Total				
			Total				
			Floating Equipment & Plugs <u>Surge</u>				
			Squeeze Manifold				
			Rotating Head				
			RECEIVED KANSAS CORPORATION COMMISSION				
			JUL 30 2008				
			CONSERVATION DIVISION WICHITA, KS				
			Tax				
			Discount				
			Total Charge				
X Signature							

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WW Drilling, LLC
WaKeeney, KS
Well Plugging Orders

Operator: Crawford Oil & Gas License # 5455
Address: P. O. Box 1366, 1780 Jason Dr. El Dorado KS, 67042

API # 15-195-22563-00-00

Lease Name: Schmidt West #1-1
Legals: 1209' FSL & 880' FEL, Section 1-15s-22w
County: Trego
State: KS

Plug #	Sx.	@	Feet
1st	<u>25</u>	<u>@</u>	<u>1534</u>
2nd	<u>100</u>	<u>@</u>	<u>640</u>
3rd	<u>40</u>	<u>@</u>	<u>270</u>
4th	<u>10</u>	<u>@</u>	<u>40</u>
5th	<u></u>	<u>@</u>	<u></u>
Rathole	<u>30</u>		
Mousehole	<u>20</u>		

Total: 225

Type: 60/40 Poz - 4% Gel - 1/4 # per sx flo-seal

Spud Report: Bruce Basye Date: 7/7/2008 Time: 8:45 AM
Orders From: Marvin Mills Date: 7/9/2008 Time: 8:45 AM
Reported to: Rich Williams Date: 7/15/2008 Time: 4:40 PM
Results: D & A

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KANSAS CORPORATION COMMISSION

JUL 30 2008

CONSERVATION DIVISION
WICHITA, KS