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KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1 September 1999 Form Must Be Typed

JUN 14 2006 OIL & GAS CONSERVATION DIVISION WELL COMPLETION FORM KCC WICHITAWELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 5455	API No. 15 - 195223510000
Name: Crawford Oil Company	County: Trego
Address: P.O. Box 1366	sw -sw - sw - NE Sec. 13 Twp. 15 S. R. 22 ☐ East West
City/State/Zip: El Dorado, Kansas 67042	2463 feet from S (N) (circle one) Line of Section
Purchaser: NCRA	2633 feet from (E)/ W (circle one) Line of Section
Operator Contact Person: Larry Dale Crawford	Footages Calculated from Nearest Outside Section Corner:
Phone: (_316) _377-3373	(circle one) NE SE NW SW
Contractor: Name: American Eagle Drilling	Lease Name: Schmidt Well #: 1-13
License: 33493	Field Name: Wildcat
Wellsite Geologist: Ted Jochems	Producing Formation: Cherokee
Designate Type of Completion:	Elevation: Ground: 2278 Kelly Bushing: 2285
New Well Re-Entry Workover	Total Depth: 4284 Plug Back Total Depth:
Oil SWD Temp. Abd.	Amount of Surface Pipe Set and Cemented at 218 Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ✓ No
Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFee
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from
Operator:	feet depth tow/sx cmt.
Well Name:	
Original Comp. Date:Original Total Depth:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) 12.7-03
Deepening Re-perf Conv. to Enhr./SWD	Chloride content 4800 ppm Fluid volume 6800 bbls
Plug BackPlug Back Total Depth	Dewatering method used Evaporation and backfill
Commingled Docket No.	
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name:
5-3-06 5-12-06 5-12-06	Lease Name: License No.:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Recompletion Date Recompletion Date	County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, workove information of side two of this form will be held confidential for a period of 1	the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, er or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. I2 months if requested in writing and submitted with the form (see rule 82-3- and geologist well report shall be attached with this form. ALL CEMENTING . Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regulate herein are complete and correct to the best of my knowledge.	ate the oil and gas industry have been fully complied with and the statements
Signature: Asset Sala Bandor	KCC Office Use ONLY
() = 13.00	
Title: Date: 6-13-06	Letter of Confidentiality Received
Subscribed and sworn to before me this 13th day of	If Denied, Yes Date:
2000	Wireline Log Received
Notary Public: Some Of ARATE	Geologist Report Received UIC Distribution
自 <u></u>	Sublic - State of Kansas
Date Commission Expires: 1-30-06 My Appt. Expir	es 7-30-06

Operator Name: Craw	ford Oil Company		Leas	e Name:	Schmidt		Well #: _1-1	3	
Sec. 13 Twp. 15	S. R. <u>22</u>	☐ East	Coun	ty: Trego					
ested, time tool open emperature, fluid reco	and closed, flowing overy, and flow rate	and base of formations pog g and shut-in pressures, s if gas to surface test, a inal geological well site i	whether solong with	shut-in pre	essure reached	static level, hydr	ostatic pressu	res, bottom	hole
Orill Stem Tests Taken		✓ Yes □ No		Δr	og Formati	on (Top), Depth	and Datum	☐ Sa	mple
Samples Sent to Geol	ogical Survev	Yes No		Nam			Top		tum
Cores Taken	s Taken Yes 📝 No			Heebner Lansing BKC			3657 3697	-13 -14	
Electric Log Run (Submit Copy)							3973 -1688		
ist All E. Logs Run:				Pawr	iee		4043	-17	
DIL CDL/CNL	·			Cherokee Shale Mississippian			4138 -1853 4226 -1941		
		CASING Report all strings set-o	RECORD	✓ Ne		tion, etc.			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)		eight ./Ft.	Setting Depth	Type of Cement	# Sacks Used		d Percent itives
Surface	12 1/4"	8 7/8"	24#		218	Common	160	3%cc,2%	gel
									
		ADDITIONAL	CEMENT	ING / SQL	JEEZE RECORD)			
Purpose: Perforate	Depth Top Bottom	Type of Cement #Sacks 25 sx @1625, 100sx @ 725',		s Used	Type and Percent Additives				
Protect Casing Plug Back TD Plug Off Zone	Plugging intervals			, 40sx @	260' 10sx @ 40', 15sx @ rate hole Total of 190sx 60/40 poz 6% gel & 1/4 lb of flow seal per sx.				
			<u> </u>	 			90. 0. 1. 1.0 0.		
Shots Per Foot	PERFORATI Specify I	ON RECORD - Bridge Plug Footage of Each Interval Per	s Set/Type forated	9		cture, Shot, Cemen nount and Kind of M		ord	Depth
TUBING RECORD	Size	Set At	Packer	At	Liner Run				
						Yes No)		
Date of First, Resumerd	Production, SWD or E	nhr. Producing Met	hod	Flowing	g Pumpii	ng 🔲 Gas Li	ift 🔲 Ott	ner (Explain)	
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf	Wate	er B	bls.	Gas-Oil Ratio		Gravity
Disposition of Gas	METHOD OF C	OMPLETION			Production Inter	val			
Vented Sold	Used on Lease mit ACO-18.)	Open Hole Other (Speci	Per	rf. 🔲 [Dually Comp.	Commingled _			

ALLIED CEMENTING CO., INC.

Federal Tax I.D	The second secon	110.	20011
REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665	SER	VICE POINT:	cty
DATE 5-12-06 SEC. TWP. RANGE CA	ALLED OUT ON LOCATION 2:15pm.	JOB START 3'45	JOB FINISH L'. 1 500, STATE
OLD OPNEW (Circle one) LEASE Schmidt WELL# 1-13 LOCATION 44147	det 8/2 N /2 E	Trego	ZS
CONTRACTOR American Eagle Only 1 TYPE OF JOB Rotary Plug	OWNER		
HOLE SIZE 7 % T.D. 4284	CEMENT		
CASING SIZE 858 DEPTH 220	AMOUNT ORDERED		
TUBING SIZE DEPTH	190 60/40 6/1		
DRILL PIPE DEPTH	14 The Deal per	, 5 X	
TOOL DEPTH		0.040	
PRES. MAX MINIMUM	COMMON_//4sf.	_@_ <i>4.60</i> _	1094,40
MEAS. LINE SHOE JOINT	POZMIX 76 set.	_@ <u>\$.20</u> _	_395,20
CEMENT LEFT IN CSG.	GEL 10 Res.	_@ <i>_15.0</i> 0	150,00
PERFS.	CHLORIDE		
DISPLACEMENT	ASC	@	
EQUIPMENT	FloSeal 48#	_@ <i>LBO</i> _	86,40
* *1		@	
PUMPTRUCK CEMENTER MIKE		_ @	·
Telm Trees established		_ @	
# 224 HELPER Juliphous		_ @	
BULK TRUCK		@	
# 357 DRIVER Terry		_ @	
BULK TRUCK		@	
# DRIVER	HANDLING 208 ALL	@ <i>1.70</i>	343,40
RECEIVED		450	424,20
REMARKS: JUN 1 4 2006		TOTAL	2493.H
25 x e /625' KCC WICHITA	A SERVI	CE	F
40 , 260	DEPTH OF JOB	.5-	
10 40	PUMP TRUCK CHARGE		730.00
18 D. Handin	EXTRA FOOTAGE		10000
13 17	MILEAGE 30		150,00
	_	_	the state of the s
	MANIFOLD		
Strategies.	F 875 2/2 * 72.78 *	_	
A A A -		ພ	
CHARGE TO: Crawford Oil Co.			00=
©TDEET		TOTAL	<u>880.00</u>
STREET			
CITYSTATEZIP	DITIO O DI CAL	TO TO CHILD'S AUGUS	T
	PLUG & FLOA	I EQUIPMEN	1

To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

GIGNATURE LOW Conduct

	TOTAL
TAX	
TOTAL CHARGE	
DISCOUNT	IF PAID IN 30 DAYS

PRINTED NAME

@ **35.00**0

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Allied" shall mean Allied Cementing Co., 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 "ALLIED" 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 "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED 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 terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.
- —PRICES AND TAXES: All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'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 ALLIED shall be added to the quoted prices charged to CUSTOMER.
- —TOWING CHARGES: ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED 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 ALLIED, 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 ALLIED for the expenses incurred by ALLIED as a result of the cancellation.
- —DEADHAUL, CHARGES: Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'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. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED 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 ALLIED, 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 ALLIED'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 ALLIED or its employees.
- 2. With respect to any of ALLIED'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 ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.
- 3. ALLIED 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. ALLIED 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. ALLIED'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 ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED 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 ALLIED 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 construed as a warranty by ALLIED 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 ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the wilful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.
- (C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

ALLIED CEMENTING CO., INC.

23569 Federal Tax I.D. SERVICE POINT: REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665 Messo CALLED OUT TOB LIVERY JOB START ON LOCATION **RANGE** 5:00 pm LOCATION 4+147 Jet 8/22 1/3 5 5 5 Trago OLD OR NEW (Circle one) CONTRACTOR American **OWNER** TYPE OF JOB Surface HOLE SIZE 1 1214 218 **CEMENT** T.D. 878 CASING SIZE AMOUNT ORDERED _ **DEPTH** 218 160 Com 3º/cc 2/20) TUBING SIZE **DEPTH** DRILL PIPE **DEPTH** TOOL **DEPTH** @ COMMON PRES. MAX MINIMUM MEAS. LINE @ **SHOE JOINT** POZMIX CEMENT LEFT IN CSG (a) **GEL** @ CHLORIDE PERFS. DISPLACEMENT @ @ **EQUIPMENT** RECEIVED (a) (a) PUMPTRUCK CEMENTER __ JUN 1 4 2006 (a) # 224 HELPER - Weekens BULK TRUCK @ KCC WICHITA @ # 342 **DRIVER** @ @ DRIVER HANDLING @ MILEAGE **REMARKS: TOTAL SERVICE** DEPTH OF JOB 218 PUMP TRUCK CHARGE Charles I de la constante de l EXTRA FOOTAGE THE HAPPE MILEAGE ____ 3 @ @ MANIFOLD _____ @ (a) TOTAL ____ STREET _ **STATE** ZIP PLUG & FLOAT EQUIPMENT @ ARRANIE A @ To Allied Cementing Co., Inc. @ You are hereby requested to rent cementing equipment @

and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TOTAL CHARGE _ IF PAID IN 30 DAYS **DISCOUNT** -

TOTAL _