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KCC WICHITA

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

Operator: License # 5455
 Name: Crawford Oil Company
 Address: P. O. Box 1366
 City/State/Zip: El Dorado, Kansas 67042
 Purchaser: NCRA
 Operator Contact Person: Larry Dale Crawford
 Phone: (316) 377-3373
 Contractor: Name: American Eagle Drilling
 License: 33493
 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. _____

<u>3-01-2005</u>	<u>3-10-2005</u>	<u>4-04-2005</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 195-22280-00-00
 County: Trego
W2 E/2 SW Sec. 6 Twp. 15 S. R. 21 East West
1360 feet from S N (circle one) Line of Section
1720 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 Well #: 1-6
 Field Name: Karis North
 Producing Formation: Cherokee B
 Elevation: Ground: 2186' Kelly Bushing: 2193'
 Total Depth: 4184' Plug Back Total Depth: 4182'
 Amount of Surface Pipe Set and Cemented at 5 jts @ 217 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set DV Tool Set @ 1557 Feet
 If Alternate II completion, cement circulated from 1557
 feet depth to Surface w/ 175 SMD sx cmt.

Drilling Fluid Management Plan Alt. II SB 8-8-08
 (Data must be collected from the Reserve Pit)
 Chloride content 4300 ppm Fluid volume 6800 bbls
 Dewatering method used Evaporation and 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: 7-11-05
 Subscribed and sworn to before me this 11th day of July
2005
 Notary Public: Valerie J. Williams
 Date Commission Expires: 4-28-06

KCC Office Use ONLY
 Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

VALERIE J. GUILLIAMS
 Notary Public - State of Kansas
 My Appt. Expires 4-28-06



Operator Name: Crawford Oil Company Lease Name: Schmidt Well #: 1-6
 Sec. 6 Twp. 15 S. R. 21 East West County: 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 Yes No
 (Attach Additional Sheets)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy)
 List All E. Logs Run:

DIL/CDL/CNL -PE - Sonic

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Stone Corral		+635
Lansing	3593	-1401
BKC	3868	-1676
Pawnee	3938	-1746
Labette	4004	-1812
Cherokee Shale	4030	-1838
Kutina Sand	4100	-1908
Mississippian	4124	-1932

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	12 1/4 "	8 7/8 "	24#	217'	common	175 SX	2%gel 3% cc
Production	7 7/8"	5 1/2 "	15.5 # R-3	4178'	EA-2	125 SX	

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
4	4053 -4057 16 Holes	None	

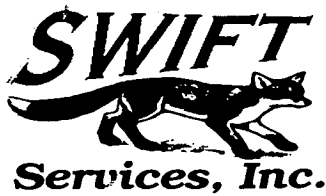
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TUBING RECORD		Size	Set At	Packer At	Liner Run		
		2 7/8 "	4066'			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 4-20-2005			Producing Method				
			<input type="checkbox"/> Flowing <input checked="" 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		
	107		0		38		

Disposition of Gas Vented Sold Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____



CHARGE TO: CRAWFORD OIL
ADDRESS
CITY, STATE, ZIP CODE

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TICKET
No 8103

PAGE 1 OF 2

SERVICE LOCATIONS 1. NESS CITY, KS	WELL/PROJECT NO. 1-6	LEASE SCHMIDT	COUNTY/PARISH TREBO	STATE KS	CITY	DATE 3-10-05	OWNER SAME
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR AMERICAN EAGLE DRILS.	RIG NAME/NO.	SHIPPED VIA CT	DELIVERED TO LOCATION	ORDER NO.	
3.	WELL TYPE OIL	WELL CATEGORY DEVELOPMENT	JOB PURPOSE 5 1/2" 2-STAGE LONGSTRING	WELL PERMIT NO.	WELL LOCATION NE/BROWELL, KS		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE # 104	30		MI		3.00	90.00
579		1			PUMP SERVICE 2-STAGE	1		JOB	4179 FT	1600.00	1600.00
580		1			ADDITIONAL HOURS - CIRCULATION	2		HRS		100.00	200.00
221		1			LEADS KCL	4		EA		19.00	76.00
281		1			MUDFLUSH	500		GAL		.65	325.00
402		1			CEMENT CEMENTS	10		EA	5 1/2"	55.00	550.00
403		1			CEMENT BASKETS	2		EA		140.00	280.00
407		1			INSERT FLOAT SHOE W/AUTO FEEL	1		EA		230.00	230.00
408		1			D.V. TOOL - PLUG SET TOP BIT # 62	1		EA	1557 FT	2300.00	2300.00
413		1			ROTO WALL SCRATCHES	15		EA		35.00	525.00
417		1			D.V. LATCH DOWN PLUG - BAFFLE	1		EA		200.00	200.00
419		1			ROTATING HEAD RENTAL	1		JOB		200.00	200.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X *[Signature]*
DATE SIGNED 3-10-05 TIME SIGNED 1700

A.M.
 P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO		
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL #1	6576.00
PAGE TOTAL #2	4011.00
TAX	
TOTAL	

ORIGINAL

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR *Wayne Wilson* APPROVAL

Thank You!



PO Box 466
 Ness City, KS 67560
 Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 8103

CUSTOMER CRAWFORD OIL WELL SCINMGT 1-6 DATE 3-10-05 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		UM		UNIT PRICE	AMOUNT
		LOG	ACCT	DF								
325		1				STANDARD CEMENT EA2	125		SBS		7.50	937.50
330		1				SWIFT MULTI-DENSITY STANDARD	175		SBS		10.25	1793.75
276		1				FLOCELE	75		LBS		1.00	75.00
283		1				SALT	650		LBS		17	110.50
284		1				CALSSAL	6		SBS	600 LBS	28.00	168.00
285		1				CFR-1	59		LBS		3.00	177.00
290		1				D-ADR	1		GAL		8.00	8.00
581		1				SERVICE CHARGE				CUBIC FEET		
										300	1.10	330.00
583		1				MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES		TON MILES		
							30474	30		475.11	.90	411.40

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ORIGINAL

CONTINUATION TOTAL 4011.15

JOB LOG

SWIFT Services, Inc ORIGINAL

DATE 3-10-05 PAGE NO. 1

CUSTOMER CRAWFORD OIL WELL NO. 1-8 LEASE SCHMIDT JOB TYPE 5 1/2" 2-STAGE LONGSTRING TICKET NO. 8103

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1700							OIL LOCATION
	1740							START 5 1/2" CASING 2ND WELL
								TD-41184 SITE 4178
								TD-4179 5 1/2" IT 15.5
								ST-24.75
								CENTERS- 1, 2, 3, 4, 5, 6, 7, 9, 10, 11
								CMT BITS- 62, 63
								DV TOOL = 1557' TOP JT # 62
	1955							DROP BALL - CIRCULATE ROMTC
	2030	6 1/2	12		✓	500		PUMP 500 GAL MUD PUSH "
	2032	6 1/2	20		✓	500		PUMP 20 BBL KCL FLUSH "
	2037	4 1/2	30		✓	300		MIX CEMENT - 125 SKS SA-2 W/ADDITIVES "
	2045							WASH OUT PUMP LINES
	2046							RELEASE 1ST STAGE D.V. WITH DOWN PUG
	2047	6 1/2	0		✓			DISPLACE PUG "
		6 1/2	89			600		SHOT OFF ROTATE
	2102	6	98.9			1750		PUG DOWN - PST UP WITH 2ND PUG
	2104							OK RELEASE PST - SLOW - HELD
	2107							DROP D.V. OPENING PUG
	2125				✓	1200		OPEN D.V. TOOL - CIRCULATE
	0002	6	20		✓	300		PUMP 20 BBL KCL FLUSH
	0008		4					PUG RH
	0010	6	97		✓	250		MIX CEMENT 175 SKS SMD W/ADDITIVES
	0031							WASH OUT PUMP LINES
	0032							RELEASE D.V. CLOSING PUG
	0034	6	0		✓			DISPLACE PUG
	0040	5	37.1			1750		PUG DOWN - PST UP CLOSE DV TOOL
	0042							OK RELEASE PST - HELD
								CIRCULATE 30 SKS CEMENT TO PST
								WASH UP
	0130							JOB COMPLETE THANK YOU WAKE, DUST, JASON

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ALLIED CEMENTING CO., INC.

P.O. BOX 31
 RUSSELL, KS 67665
 PH (785) 483-3887
 FAX (785) 483-5566

ORIGINAL

 *
 * I N V O I C E *
 *

Invoice Number: 096062

Invoice Date: 02/28/05

Sold Crawford Oil Company
 To: P. O. Box 1366
 Eldorado, KS
 67042-1366

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Cust I.D.....: CrawOi
 P.O. Number...: Schmidt 1-6
 P.O. Date.....: 02/28/05

Due Date.: 03/30/05
 Terms.....: Net 30

Item I.D./Desc.	Qty. Used	Unit	Price	Net	TX
Common	165.00	SKS	8.3000	1369.50	T
Gel	3.00	SKS	13.0000	39.00	T
Chloride	5.00	SKS	36.0000	180.00	T
Handling	173.00	SKS	1.5000	259.50	E
Mileage (32)	32.00	MILE	9.5200	304.64	E
173 sks @\$.05.5 per sk per mi					
Surface	1.00	JOB	625.0000	625.00	E
Mileage pmp trk	32.00	MILE	4.5000	144.00	E
TWP	1.00	DASH	55.00	55.00	#

All Prices Are Net, Payable 30 Days Following
 Date of Invoice. 1 1/2% Charged Thereafter.
 If Account CURRENT take Discount of \$ **297.66**
 ONLY if paid within 30 days from Invoice Date

Subtotal: 2976.64
 Tax.....: 87.11
 Payments: 0.00
 Total....: 3063.75

<297.66>

2,766.09



ALLIED CEMENTING CO., INC. 17180

ORIGINAL

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Great Bend

DATE <i>2-28-05</i>	SEC. <i>6</i>	TWP. <i>15</i>	RANGE <i>21</i>	CALLED OUT <i>6:35 PM</i>	ON LOCATION <i>9:15 PM</i>	JOB START <i>10:00 PM</i>	JOB FINISH <i>10:35 PM</i>
LEASE <i>Schmidt</i> WELL # <i>1-6</i>		LOCATION <i>#4+147 Jct 9/4N to Cedar</i>			COUNTY <i>Trigo</i>	STATE <i>Ka</i>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)		<i>Bluff Feeders sign, 1E, south into</i>					

CONTRACTOR *American Eagle*
 TYPE OF JOB *Surface*
 HOLE SIZE ~~77~~ *12 1/4* T.D. *225'*
 CASING SIZE *8 5/8* DEPTH *217'*
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX *150#* MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. *15'*
 PERFS. _____
 DISPLACEMENT *12.8*

OWNER *Crawford Oil Co.*
 CEMENT
 AMOUNT ORDERED *165 ex Common*
3% CC 2% gel

COMMON <i>165 ex</i>	@	<i>8.30</i>	<i>1369.50</i>
POZMIX _____	@	_____	_____
GEL <i>3 1/4</i>	@	<i>13.00</i>	<i>39.00</i>
CHLORIDE <i>5 ex</i>	@	<i>36.00</i>	<i>180.00</i>
ASC _____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
HANDLING <i>173 ex</i>	@	<i>1.50</i>	<i>259.50</i>
MILEAGE <i>173 ex SS</i>	<i>32</i>	_____	<i>304.64</i>
TOTAL			<i>2152.64</i>

EQUIPMENT

None
 PUMP TRUCK CEMENTER *J.D.*
 # *224* HELPER *Jim W.*
 BULK TRUCK
 # *341* DRIVER *Rick H.*
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

Ran 5 joints new 23" 8 5/8 casing to bottom. Circulate with rig mud pumps. Shut down, hook up to pump tub & mixed 165 ex common 2% gel 3% cc. Shut down, change valves over & release. 7 5/8 wiper plug. Displace down casing with 12.8 BBLs fresh H₂O. Cement did circulate. (Shut in MANIFOLD)

SERVICE

DEPTH OF JOB <i>225'</i>	_____	_____
PUMP TRUCK CHARGE _____	_____	<i>629.00</i>
EXTRA FOOTAGE _____	@	_____
MILEAGE <i>32</i>	@	<i>4.50</i>
_____	@	_____
_____	@	_____
_____	@	_____

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TOTAL *769.00*

PLUG & FLOAT EQUIPMENT

MANIFOLD _____	@	_____	_____
<i>1.8 5/8 TWP</i>	@	<i>500</i>	<i>500</i>
_____	@	_____	_____
_____	@	_____	_____

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

To bottom, circulate with rig mud pump. Shut down, hook up to pump tank & mixed 165 ex common 2% gel 3% cc. Shut down, change valves over & release 7 5/8 wiper plug. Displace down casing with 12.8 BBLs fresh h²o. Cement did circulate. (Shut in MANIFOLD)

DEPTH OF JOB 225'
 PUMP TRUCK CHARGE 629.00
 EXTRA FOOTAGE @ _____
 MILEAGE 32 @ 4.50 144.00
 @ _____
 @ _____
 @ _____

CHARGE TO: Crawford Oil Co.
 STREET _____
 CITY Eldorado STATE Ks. ZIP _____

TOTAL 769.00

PLUG & FLOAT EQUIPMENT

MANIFOLD @ _____
1.8 5/8 TWP @ 55.00 55.00
 @ _____
 @ _____
 @ _____

TOTAL 55.00

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.

TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE X [Signature]

X [Signature]
 PRINTED NAME

THANK YOU!

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