

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 32429  
Name: CRAWFORD OIL & GAS, INC.  
Address: P. O. Box 51  
City/State/Zip: Coldwater, Kansas 67029  
Purchaser: EOTT/ PRG  
Operator Contact Person: Mark Pinnick  
Phone: (316) 582-2612  
Contractor: Name: DUKE DRILLING CO., INC.  
License: 5929  
Wellsite Geologist: Jon Christensen  
Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  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. \_\_\_\_\_  
4/16/00                      5/3/00                      5/15/00  
Spud Date or                      Date Reached TD                      Completion Date or  
Recompletion Date                                                                Recompletion Date

API No. 15 - 033-21,057-0000  
County: Gomanche  
SE - SE NW. Sec. 3 Twp. 34 S. R. 18  East  West  
2310 feet from S /  (circle one) Line of Section  
2310 feet from E /  (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: O. BLOUNT Well #: 1  
Field Name: Buttermilk East  
Producing Formation: Mississippian/viola  
Elevation: Ground: 1910' Kelly Bushing: 1918'  
Total Depth: 6080' Plug Back Total Depth: 6078  
Amount of Surface Pipe Set and Cemented at 632' 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 crmt.

Drilling Fluid Management Plan AH-1, 8-10-00 U.C.  
(Data must be collected from the Reserve Pit)  
Chloride content 31,000 ppm Fluid volume 500 bbls  
Dewatering method used haul off  
Location of fluid disposal if hauled offsite:  
Operator Name: GORDON KEANE  
Lease Name: Harmon License No.: 5993  
Quarter NW Sec. 11 Twp. 33 S. R. 20  East  West  
County: Gomanche Docket No.: 22304

RECEIVED  
STATE CORPORATION COMMISSION  
AUG - 9 2000

**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: Mark Pinnick  
Title: Sept. Oper. Date: 8-7-00  
Subscribed and sworn to before me this 7<sup>th</sup> day of Aug  
19 2000.  
Notary Public: Pamela Price  
Date Commission Expires: Feb. 29, 2004



**KCC Office Use ONLY**

Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: CRAWFORD OIL & GAS, INC. Lease Name: O. BLOUNT Well #: 1

Sec. 3 Twp. 34 S. R. 18  East  West County: Comanche

**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:

Spectral Density Neutron  
High Resolution Induction

Log Formation (Top), Depth and Datum  Sample  
Name Top Datum

**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	# Sacs Used	Type and Percent Additives
Conductor		20"		40'	10 Sack Grout		
Surface	12-1/4"	8-5/8"	24#	632'	Lite Class A	225 100	cc gel, cc
Production	7-7/8"	4-1/2"	10.5#	230	A-Con		

**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 SPF	5278-88	1000 Gal. 15% Acid	
4 SPF	5356-62	90 T CO <sub>2</sub> 160 SX Sand	
4 SPF	5947-53	400 Bbl. H <sub>2</sub> O	

**TUBING RECORD** Size 2 3/8 Set At 6072' Packer At NA Liner Run  Yes  No

Date of First, Resumed Production, SWD or Enhr. WOPL Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil 6 Bbls. Gas 700 Mcf Water 150 Bbls. Gas-Oil Ratio Gravity

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

**METHOD OF COMPLETION**  Open Hole  Perforated  Dually Comp.  Commingled  Other (Specify)

15-833-21057-0000



**TREATMENT REPORT**

01831

ORIGINAL

Customer ID		Date	
Customer <i>Duke Drilling</i>		<i>5-3-00</i>	
Lease <i>O. Blount</i>		Lease No.	Well # <i>1</i>
Field Order # <i>12367</i>	Station <i>Pratt KS</i>	Casing <i>4 1/2</i>	Depth <i>6095</i>
Type Job <i>Prod. Straining New Well</i>		County <i>Comanche</i>	State <i>KS</i>
Formation		Legal Description <i>3-34-18</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>4 1/2</i>	Tubing Size <i>10.5000</i>	Shots/Ft		Acid <i>A30sk A-Con</i>	RATE	PRESS <i>2500</i>	ISIP	
Depth <i>6085</i>	Depth <i>11</i>	From	To	Pre Pad <i>1.92 13.0</i>	Max		5 Min.	
Volume <i>96</i>	Volume	From	To	Pad <i>25 sk's 60/40.002</i>	Min		10 Min.	
Max Press <i>2500</i>	Max Press	From	To	Frac <i>24 Bbl's flush</i>	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To	<i>78.6 Bbl's SL</i>	HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush <i>24 Bbl's A-flush</i>	Gas Volume		Total Load	

Customer Representative <i>Mark Pennick</i>	Station Manager <i>Dave Autry</i>	Treater <i>Dave Scott</i>
Service Units	<i>106</i>	<i>35</i>
	<i>57</i>	<i>34</i>
	<i>12</i>	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>0900</i>					<i>Called Out</i>
<i>2000</i>					<i>Onhoc w/Trk's Safety mtg</i>
					<i>Cent 2-3-6-16-19-21 Basket's 8th Jt</i>
					<i>Break Circ w/Rig while T.I.H. w/Csg</i>
					<i>Csg on Bottom Drop Ball &amp; Circ w/Rig</i>
					<i>Rig up Trk's</i>
<i>0406</i>	<i>200</i>		<i>24</i>	<i>5</i>	<i>St A-Flush</i>
<i>0411</i>	<i>200</i>		<i>5</i>	<i>5</i>	<i>H2O Spacer</i>
<i>0414</i>	<i>400</i>			<i>6</i>	<i>St mixing (mt @ 13.2ppg 230 sk's</i>
<i>0426</i>	<i>0</i>		<i>78.6</i>	<i>6</i>	<i>finish mixing (mt</i>
<i>0427</i>			<i>15</i>	<i>5</i>	<i>Close In + Wash Pump + line</i>
					<i>load Plug</i>
<i>0430</i>	<i>100</i>			<i>8</i>	<i>St Disp 1/2 2% HCl</i>
<i>0440</i>	<i>300</i>		<i>74</i>	<i>7</i>	<i>lifting (mt</i>
<i>0448</i>	<i>1500</i>		<i>96</i>	<i>0</i>	<i>Plug Down + psi Test Csg</i>
<i>0450</i>	<i>0</i>				<i>Release psi Held</i>
<i>0500</i>			<i>5.5</i>	<i>2</i>	<i>Plug R.H. + M.H. w/25sk's 60/40.002</i>
					<i>Good Circ During Job</i>
					<i>Job Complete</i>
					<i>Thank You Scott x</i>

# ALLIED CEMENTING CO., INC.

# 1479 ORIGINAL

Federal Tax I.D.# AB-0727060

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

SERVICE POINT:  
Medicine Lodge

DATE: <u>4-18-00</u>	SEC. <u>3</u>	TWP <u>34.5</u>	RANGE <u>18W</u>	CALLED OUT <u>5:00 pm</u>	ON LOCATION <u>5:30 pm</u>	JOB START <u>12:25 AM</u>	JOB FINISH <u>12:55 AM</u>
LEASE <u>Bunt</u>	WELL# <u>1</u>	LOCATION <u>Butternilk Ks.</u>		COUNTY <u>Comanche</u>	STATE <u>KS.</u>		
OLD OR NEW (Circle one)		<u>3 1/2 W. 1/2 S. 1/4</u>					

CONTRACTOR Duke Rig. 1  
 TYPE OF JOB Surface U  
 HOLE SIZE 12 1/4 TD. 632  
 CASING SIZE 8 7/8 - 24" DEPTH 632  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX 600 MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOP JOINT 45  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 38 1/2 BBLs Freshwater

OWNER Crawford  
 CEMENT  
 AMOUNT ORDERED  
225 5x 65:35:6+3%cc + 1/2" flo-seal  
100 5x CLASS A + 3%cc + 2 1/2 gel  
 COMMON A 100 @ 6.35 635.00  
 FOMIX @ \_\_\_\_\_  
 GEL 2 @ 9.50 19.00  
 CHLORIDE 11 @ 28.00 308.00  
flu 225 @ 6.00 1350.00  
Flo-seal 56# @ 1.15 64.40

EQUIPMENT  
 PUMP TRUCK CEMENTER Carl Baiding  
#261-265 HELPER Shane Winsor  
 BULK TRUCK  
#259-250 DRIVER Mike Rucker  
 BULK TRUCK  
 # DRIVER

HANDLING 325 @ 1.05 341.25  
 MILEAGE 325 x 50 .04 650.00  
 TOTAL \$ 3307.65

### REMARKS:

### SERVICE

Pipe on bottom break circulation.  
Run 5 BBLs freshwater.  
225 5x 65:35:6+3%cc + 1/2" flo-seal  
100 5x CLASS A + 3%cc + 2 1/2 gel  
Release plug.  
Displace with 38 1/2 BBLs  
Bump plug + shut in cement + Displace.

DEPTH OF JOB 632'  
 PUMP TRUCK CHARGE 0-300' 470.00  
 EXTRA FOOTAGE 332' @ .43 142.76  
 MILEAGE 30 @ 2.83 142.50  
 PLUG Rubber 83.9" @ 90.00 90.00

TOTAL \$ 845.26

CHARGE TO: Duke Drilling Co.  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

### FLOAT EQUIPMENT

1- Baffle plate @ 45.00 45.00  
1- Cementizer @ 30.00 30.00  
1- Basket @ 150.00 150.00

TOTAL \$ 225.00

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 Bed  
 TOTAL CHARGE 4437.91  
 DISCOUNT 887.59 IF PAID IN 30 DAYS  
Net \$ 3550.32  
MIKE Godfrey  
 PRINTED NAME

SIGNATURE Mike Godfrey