Form ACO-1 September 1999 Form Must Be Typed

## WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

CRAMPORD OTL 5 GAS, INC.  Coldwater, Kansas 67029  Figh Control of the Coldwater, Kansas 67029  Force of Control Person. Michigan Control of the Coldwater, Kansas 67029  Force of Control Person. Michigan Control of the Coldwater Control of	Operator: License # 32429	API No. 15 - 033-21076 - 000
Address: P. O. Box 51   Coldwater, Katisas 67029   Coldwater, Katisas 670	Operator:	
Chylstate/Zip: Coldwater, Kansas 67029  PARCS  PARC	D 0 D == E1	·
Sperator Contact Person. DLC	7.00.000.	• — —
Footages Calculated from Nearest Outside Section Corner:	City/State/Zip: Coldwater, Kansas 67029	1 22/5
Prone: (316	Purchaser: PRO	feet from E / (W) (circle one) Line of Section
Doctor   Name   DIKE DRILLING CO., INC   Speed Name   Street   Speed Name		Footages Calculated from Nearest Outside Section Corner:
Seesan   Name   Seesan   See		
Wellsite Geologist:	Contractor. Name.	70 ==
Position designate Type of Completion:  X New Well Re-Entry Workover  Signature:  A new Hell Re-Entry Workover  Signature:  A Notary Public Januard Re-Entry  Workover  Signature:  A Notary Public Januard Re-Entry  Workover  Signature Re-Entry  Worker  Signature Re-Entr		₹ Cuelo Mame:
Oil SWD SIOW Temp. Abd.  X. Gas ENHR SIGW  Tyes Sign Multiple Stage Cementing Colar Used?  Yes Sign Multiple Stage Cement Cement circulated from Multiple Blog Colar Used.  Yes Sign Multiple Stage Cement Cement circulated from Multiple Blog Cement	Wellsite Geologist: Jon Christensen	Froducing Formation: Mississippian
Oil SWD SIOW Temp. Abd.  X. Gas ENHR SIGW  Tyes Sign Multiple Stage Cementing Colar Used?  Yes Sign Multiple Stage Cement Cement circulated from Multiple Blog Colar Used.  Yes Sign Multiple Stage Cement Cement circulated from Multiple Blog Cement	Designate Type of Completion:	Elevation: Ground: 1895' Kelly Bushing: 1903'
Oil SWD SIOW Temp. Abd.  X. Gas ENHR SIGW  Tyes Sign Multiple Stage Cementing Colar Used?  Yes Sign Multiple Stage Cement Cement circulated from Multiple Blog Colar Used.  Yes Sign Multiple Stage Cement Cement circulated from Multiple Blog Cement	X New Well — Re-Entry — Workover S S O S	Total Depth: 6200 Plug Back Total Depth: 5518
If yea, show depth set	Oil SWD SIOW Temp. Abd.	Amount of Surface Pipe Set and Cemented at 612 ' Feet
If Alternate II completion, cement circulated from	X_ Gas ENHR SIGW	æ.
If Alternate II completion, cement circulated from sx cmt.    Second   Seco	Dry Other (Core, WSW, Expl., Cathodic, etc)	if yes, show depth setFeet
Separator:	If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from.
Drilling Fluid Management Plan	Operator:	· ·
Despening Re-perfConv. to Enthr/SWD Plug BackPlug Back Total Depth  Commingled Docket NoDocket NoDocket NoDocket NoDocket NoDocket NoDocket No	Well Name:	87/4/
Deepening Re-perfConv. to Enhr./SWD	Original Comp. Date:Original Total Depth;	Drilling Fluid Management Plan #17. 9-27-00 U.(
Plug Back Plug Back Total Depth  Commingled Docket No.  Dual Completion Docket No.  Other (SWD or Enhr.?) Docket No.  3/28/00 4/15/00 4/18/00  Spud Date or Recompletion Date Reached TD Completion Date or Recompletion Date or Recompletion Date  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 writerine 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 rerein are complete and correct to the best of my knowledge.  Signature:  Date: 7-34-06  NOTARY PUBLIC-Stris of Kesss  PAMELA PRICE  DOCKET Name: GORDON KEANE  Lease Name: HARMON License No.: 5993  Courater NW Sec. 11 Twp, 33 S. R. 20 East West County: Commanche Docket No.: 22304  County: Commanche Docket No.: 22304  County: Sec. 11 Twp, 33 S. R. 20 East West County: Commanche Docket No.: 22304  County: Sec. 11 Twp, 33 S. R. 20 East West County: Commanche Docket No.: 22304  County: Sec. 11 Twp, 33 S. R. 20 East West County: Commanche Docket No.: 22304  County: Sec. 11 Twp, 33 S. R. 20 East West County: Commanche Docket No.: 22304  County: Commanche Docket No.: 22304  County: Commanche Docket No.: 22304  County: Twp, 33 S. R. 20 East West County: Commanche Docket No.: 22304  County: Commanche Docket No.: 22		
Commingled  Docket No.  Dual Completion  Docket No.  Other (SWD or Enhr.?)  Docket No.  3/28/00  4/15/00  Date Reached TD  Date Reached TD  Completion Date or Recompletion Date or Recompletion Date or Recompletion Date  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 for confidentiality in excess of 12 months). One copy of all writerine 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 rerein are complete and correct to the best of my knowledge.  Signature:  Date:  Notary Public Familia Affair  Docket No.:  5993  Quarter Name:  GORDON KEANE  Lease Name:  HARMON  License No.:  5993  Quarter Name:  GORDON KEANE   Comanche  Docket No.:  5993  Quarter Name:  GORDON KEANE  Lease Name:  HARMON  License No.:  5993  Quarter Name:  GORDON KEANE  Lease Name:  HARMON  License No.:  5993  Quarter Name:  GORDON KEANE  Lease Name:  HARMON  License No.:  5993  Quarter Name:  GORDON KEANE  Lease Name:  HARMON  License No.:  5993  Quarter Name:  GORDON KEANE  Lease Name:  HARMON  License No.:  5993  Quarter Name:  GORDON KEANE  Lease Name:  HARMON  License No.:  5993  Quarter Name:  GORDON KEANE  Lease Name:  HARMON  License No.:  5993  Quarter Name:  GORDON KEANE  Lease Name:  HARMON  License No.:  5993  Quarter Name:  GORDON KEANE  Lease Name:  HARMON  License No.:  5993  Quarter Name:  GORDON KEANE  Lease Name:  HARMON  Lease Name:		···
Dual Completion Docket No.  Other (SWD or Enhr.?) Docket No.  3/28/00 4/15/00 4/18/00  Sput Date or Recompletion Date  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 pply. 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 compiled with and the statements rerein are complete and correct to the best of my knowledge.  KCC Office Use ONLY  Letter of Confidentiality Attached  If Denied, Yes Date:  Wireline Log Received  Wireline Log Received  Lease Name:  HARMON  Lucense No.: 5993  Quarter NW Sec. 11 Twp, 33 s. R. 20 East West County:  Comanche  Docket No.: 22304  West County:  Comanche  Commission, 130 S. Market - Room 2078, Wirchita, Kansas Corporation Commission, 130 S. Market - Room 2078, Wirchita, Kansas Corporation Commission, 130 S. Market - Room 2078, Wirchita, Kansas Corporation Commission, 130 S. Market - Room 2078, Wirchita, Kansas Corporation Commission, 130 S. Market - Room 2078, Wirchita, Kansas Corporation Commission, 130 S. Market - Room 2078, Wirchita, Kansas Corporation Commission, 130 S. Market - Room 2078, Wirchita, Kansas Corporation Commission, 130 S. Market - Room 2078, Wirchita, Kansas Corporation Commission, 130 S. Market - Room 2078, Wirchita, Kansas Corporation Commission, 130 S. Market - Room 2078, Wirchita, Kansas Corporation Commission, 130 S. Market - Room 2078, W	•	•
Operator Name: GORDON KEANE  Lease Name: HARMON License No.: 5993  Quarter NW Sec. 11 Twp. 33 S. R. 20 East West County: Commanche Docket No.: 22304  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 rerein are complete and correct to the best of my knowledge.  Signature: Date: 7-24-08  Subscribed and sworn to before me this 24-3 day of July  NOTARY PUBLIC - Stris of Kassas  PAMELA PRICE  OPERATOR NAME: HARMON  License No.: 5993  Quarter NW Sec. 11 Twp. 33 S. R. 20 East West  County: Comanche  County: HORMON  Sec. 11 Twp. 33 S. R. 20 East West  County: Docket No.: 22304  County: East West  County: HARMON  License No.:  FORDON KEANE  Lease Name: HARMON  License No.:  FORDON KEANE  Lease Name: HARMON  License No.:  FORDON KEANE  Lease Name: HARMON  License No.:  FORDON KEANE   Quarter NW Sec. 11 Twp. 33 S. R. 20 East West  County: Comanche  County: Comanche  County: Comanche  County: Harmon  Sec. 11 Twp. 33 S. R. 20  Docket No.: 22304   County: Formon Act Cements of well.  Formo	Dual Completion Docket No	
Lease Name: HARMON   License No.: 5993	·	
Completion Date   Date Reached TD   Completion Date   Completion Date   Completion Date   County:   Comanche   Docket No.:   22304     East   West   County:   Comanche   Docket No.:   22304     County:		Lease Name: HARMON License No.: 5993
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:  Date: 7-34-08  KCC Office Use ONLY  Letter of Confidentiality Attached  If Denied, Yes Date:  Wireline Log Received  Wireline Log Received  Geologist Report Received  UIC Distribution		Quarter NW Sec. 11 Twp. 33 S. R. 20 East X West
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 nerein are complete and correct to the best of my knowledge.  Signature:  Part Co    Coffice Use ONLY   Letter of Confidentiality Attached   If Denied, Yes   Date:   Wireline Log Received   Wireline Log Received   Wireline Log Received   Uic Distribution   Uic		County: Comanche Docket No.: 22304
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:  Title:  The statutes of Confidentiality Attached  If Denied, Yes Date:  Wireline Log Received  Wireline Log Received  Geologist Report Received  UIC Distribution		
Signature:	Kansas 67202, within 120 days of the spud date, recompletion, workov information of side two of this form will be held confidential for a period of 107 for confidentiality in excess of 12 months). One copy of all wireline logs	ver or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply.  12 months if requested in writing and submitted with the form (see rule 82-3-s and geologist well report shall be attached with this form. ALL CEMENTING
Subscribed and sworn to before me this 24 day of	All requirements of the statutes, rules and regulations promulgated to regulate and correct to the best of my knowledge.	ate the oil and gas industry have been fully complied with and the statements
Subscribed and sworn to before me this 24 day of	Signature: mark Primite	KCC Office Use ONLY
Notary Public Sanula Price PAMELA PRICE UIC Distribution	Title: Supt. Operations Date: 7-24-00	Letter of Confidentiality Attached
Notary Public Sanula Price PAMELA PRICE UIC Distribution	Subscribed and sworn to before me this $24^{\pm}$ day of Sula	If Denied, Yes Date:
Notary Public Fancila Price NOTARY PUBLIC - State of Kasses UIC Distribution		Wireline Log Received
Notary Publics Tarketta Trace UIC Distribution UIC Distribution		Geologist Report Received
Date Commission Expires: Feb. 29 2004 My Appt. Exp. 2-29-04	Notary Public PAMELA PRIC	UIC Distribution
	Date Commission Expires: Tels. 29 2004 My Appt. Exp. 2-2	7-64

Operator Name:	CRAWFORD OIL	& GAS, INC.	Lease Name:_	K	ING	Well #:	<u> </u>
Sec. 6 Twp.	34 s. R. 18	☐ East X West	County:	Comanc	ne		
tested, time tool ope temperature, fluid re-	n and closed, flowing covery, and flow rate	and base of formations p g and shut-in pressures, s if gas to surface test, a final geological well site	whether shut-in pro long with final char	essure reached	static level, hydro	static pressu	res, bottom hole
Drill Stem Tests Take	-	X Yes □ No		.og Formati	on (Top), Depth a	nd Datum	
Samples Sent to Ge	ological Survey	∑ Yes ☐ No	Nam	16		Тор	Datum
Cores Taken Electric Log Run (Submit Copy)		☐ Yes		50	attache	d	
Ş	igh Resolu	tion Enductio nsity Neutron	1	000 g	attache	<b>-4</b>	
			RECORD X N				
	Size Hole	Report all strings set-	onductor, surface, into	ermediate, produc Setting	Type of	# Sacis	Type and Percent
Purpose of String	Drilled	Set (In O.D.)	Lbs. / Ft.	Depth	Cement	Used	Additives
Conductor		20"		60'	10Sack Gro	ut	 
Surface	12-1/4"	8-5/8"	24#	612'	Lite	225	3%cc 1/4# Floseal
Production	7-7/8"	4-1/2"	10.5#	5569'	AA-2	170	10%salt,5#gil
	<del></del>	ADDITIONAL	CEMENTING / SQI	JEEZE RECORD	 <del> </del>		
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Battom	Type of Cament	#Sacks Used		Type and Pe	ercent Additive	3
Shots Per Foat		ON RECORD - Bridge Plug Footage of Each Interval Per		•	cture, Shot, Cement nount and Kind of Mai		rd Depth
6spf	5324-30			   1000 Ga	<u>1 15%acid</u>	90_T_0	:0,
6spf	5346-50			160 sx			later
6spf	5361-66						
TUBING RECORD	Size 2 3/8 d Production, SWD or E	Set At 5287	Packer At N / A	Liner Run	Yes X No		
	10PL	nhr. Producing Meth	X Flowing	Pumpir	g Gas Lift	Oth	et (Explain)
Estimated Production Per 24 Hours	Oil I	Bbls. Gas	Mof Wate	er Bt	gá	as-Oil Ratio	Gravity
Disposition of Gas	METHOD OF C	OMPLETION		Production Interv			
Vented X Sold (Il vented, St	Used on Lease	Open Hole Other (Specia	N Perf. ☐ ☐	Y PUBLIC - SEED O PARTER Y FAN	Comittingle		

SEP 2 6 2000 Consulting 100 S. Mai 9-76-00 CONSERVATION DIVISION		33-210	76-	GEOLOGIC REPORT LOG ∞∞0	
COMPANY CRAWFO	And the Case of th		R	LBWT	; ; ;
WELL #1 KING				6-34	,
FIELD BUTTERMILK N. LOCATION 330 FSL & 2245		PRODUCTION	Miss	EKNIG S	A SECTION AND
SEC. 6 TWP. 345 RGE		ELEVATION	KB,	1903/	1007 1007
COUNTY COMANCH	E	Dellline Hessured Fr	GL.	1895' (B	
STATE KANSAS	and the second s	Sumples Saved From Drilling Time From	3500′ 35∞′	To: 6200	
COMM: 3/28/2000 COMP: 4/1	RIG#1	-	on From 4	To: <u>6200°</u> 1000 To Total Depth HRISTENISEA	
CASING RECORD  20"CONDATED: SURF:85/8"e 612 wl 325 PROD: 4'2		Electrical Surveys _ DIL WGR	HALL &SP,	IBURTON: FDC/CNL R.MICROLOG	
TOTAL DEPTH DRILLERS: \$2. 620. TOTAL DEPTH LOC 6192					
FORMATION TOPS	AND STRI	JCTURAL POS	ITION		
FORMATION	SAMPLE TOP	ELECTRIC LOG	SUB-SI DATU		
HEEBNER SHALE	4319	4314	-24 -26		
DRUM		4750	-284	17 -6'	
STARK SHALE		4872	-298 -298		<b>-</b> }} ,&
SWOPE BASE K.C.	5032	5029		61-7'	
MARMATON	5043	5040	-313	<u>,                                    </u>	
PAWNEE	5106 5148	15142	-319 -32		
CHEROKEE SHALE	5192		-328		
"DETRITAL MISS."	5276	5299	_339	6 -35	
MISSISSIPPI COWLEY	5301/ 5683	15519	<u>-341</u> -378		. Barreland
VIOLA	2925	6054	-415		<b>-</b> ;
REFERENCE WELL FOR STRUCTL					- - 126
#1 HOFFMAN TRUST	: 60'5	WWWW.	NW	SEC. 8-	
T345-RIBW. COM					~4. 현

Comment of the state of the sta

TOTAL PROPERTY OF THE PROPERTY

#### **ALLIED CEMENTING CO., INC** SERVICE POINT: REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665 med CALLED OUT SEC. RANGE ON LOCATION JOB FINISH JOB START DATE 3- 29 · CX 345 18/2 6 名 、CC<u>A m.</u> LCCPIN. COUNTY STATE LOCATION BOTTERMIK 34E-N/S WELL# ( OLD OR NEW (Circle one) OWNER Crawsfurd CONTRACTOR Dibe Drig. Co TYPE OF JOB SUPPACE CSQ. HOLE SIZE 12 /4 T.D. **CEMENT** CASING SIZE 85/8 AMOUNT ORDERED 2255x. ALW + 390cc DEPTH /2/1' 14#FID-SEAL. 1005x. Class A TUBING SIZE DEPTH DEPTH 3%CC+2%Gel **DEPTH** MINIMUM 100 COMMON\_ SHOE JOINT POZMIX CEMENT LEFT IN CSG. CHLORIDE DISPLACEMENT Fresh Hao @ **EOUIPMENT** @ @ CEMENTER \_ Arry Dreiling PUMP TRUCK @ HELPER Just in HAML HANDLING @ MILEAGE DRIVER MC. MIKE RUCKER BULK TRUCK TOTAL \_\_\_\_ DRIVER **REMARKS: SERVICE** Pipe on Bottom-Break Circ Pimp 2255x. ALW+3%CC+/4" DEPTH OF JOB Flo-Seal. 1005x. Classa+3%cc PUMP TRUCK CHARGE 2% Gel. Release Plus Displace EXTRA FOOTAGE \_\_\_\_\_ MILEAGE PLUG T RP 85/8 @ TOTAL \_\_\_\_\_ FLOAT EQUIPMENT

Mug W/ Fresh H30. Bump 1700 Shutt In Cement Did Circ CHARGE TO: DUKE Drig. Co. STREET \_\_\_\_\_ CITY\_\_\_\_\_STATE \_\_\_\_ZIP\_

To Allied Cementing Co., Inc.

LEASE K

DRILL PIPE

PRES. MAX

MEAS. LINE

# < 34.3\_

#214

**BULK TRUCK** 

TOOL

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.

SIGNATURE XMila Holling

1-04++16 7-14-CE	_@_		
1-Centralizer	@		
1- JP メンドゥナ			
	@_		
	@		
		ТОТАТ	
		10111	
TAX	-		4
TOTAL CILLDOR			₫.
TOTAL CHARGE ————			

 IF PAID IN 30 DAYS DISCOUNT -

XMiKE Godi PRINTED NAME

#### **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., IN H REMITTO P.O. BOX 31 RUSSELL, KANSAS 67665 CALLED OUT SEC. ON LOCATION JOB START JOB FINISH 345 S'CUAIN COpm COUNTY STATE WELL# | LEASE L TOLL (1) AT OLD OR NEW (Circle one) OWNER C CONTRACTOR DUNG Dria. Ca TYPE OF JOB SUCLACE CSG. HOLE SIZE 12/4 CEMENT T.D. CASING SIZE & 5/x DEPTH /2/1 AMOUNT ORDERED 3.355x. ALWI M+FID-SCAL. ICOSX. CLASS TUBING SIZE DEPTH DRILL PIPE DEPTH 3%CC+2%Gel TOOL DEPTH PRES. MAX MINIMUM 100 COMMON\_ POZMIX MEAS. LINE SHOE JOINT CEMENT LEFT IN CSG. GEL PERFS. CHLORIDE DISPLACEMENT Fresh Ho @ @ **EQUIPMENT** @ @ CEMENTER LACCL Deciling PUMP TRUCK @ # .34.3 HELPER JUST HARL HANDLING @ **BULK TRUCK** MILEAGE\_ DRIVER Mr. Mike Rucker #.214 BULK TRUCK TOTAL DRIVER REMARKS: SERVICE Bottom-Break DEPTH OF JOB PUMP TRUCK CHARGE 2% Gel. Release Mry. Displace EXTRA FOOTAGE You w/ Fresh H20. Bump 1700 MILEAGE @ Shutt In Cement D. O.C. PLUGITRD 85/8 **(**a) 0 TOTAL CHARGE TO: DUKE Dria. Co. STREET\_ FLOAT EQUIPMENT ZIP STATE \_\_ æ ര To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment TOTAL 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 TOTAL CHARGE -CONDITIONS" listed on the reverse side. DISCOUNT. IF PAID IN 30 DAYS SIGNATURE XILLA HORSON

PRINTED NAME

# ALLIED CEMENTING CO., INC., 1434

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

ON LOCATION CALLED OUT JOB FINISH SEC. TWP. RANGE JOB START DICCIPIN. :copun COUNTY STATE LOCATION B. HEROLIK WELL# ( LEASE K 10(1 C1) 1 21 OLD OR: NEW (Circle one) OWNER Crawford CONTRACTOR JULY - Dela Co. TYPE OF JOB SUCLACE T.D. // 2 CEMENT HOLE SIZE (名)4 AMOUNT ORDERED A 25 SX. ALW + 3 9000 CASING SIZE & 5/8 DEPTH /2/1 14 Flo-SeAL. ICOSX. CLASS A **TUBING SIZE** DEPTH DRILL PIPE DEPTH 3%CC+2%Gel TOOL DEPTH PRES, MAX COMMON\_ MINIMUM 100 MEAS. LINE POZMIX SHOE JOINT CEMENT LEFT IN CSG. GEL CHLORIDE PERFS. @ DISPLACEMENT Fresh Ha @ @ **EOUIPMENT** @ PUMP TRUCK CEMENTER LACRY Drading @ #.343 HELPER Just in Hart. HANDLING @ **BULK TRUCK** MILEAGE DRIVER MAP. Mile Rucker #214 **BULK TRUCK** TOTAL DRIVER REMARKS: SERVICE Bottom-Break Circ DD 2255x. ALW+3%CC+/44 DEPTH OF JOB PUMP TRUCK CHARGE eal. 1005x. Class 1 +3%cc 290Gel. Release Pluj. Displace **EXTRA FOOTAGE** @ TUD W/ Fresh H20. Bump 1709 MILEAGE @ PLUGTRP 8 3/8 In Cement Did @ @ @ TOTAL \_ CHARGE TO: DUKE Drig. Co FLOAT EQUIPMENT STREET\_ ZIP. \_STATE \_ - BAffle DAte @ <u>entralizer</u> @ @ @ @ To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment TOTAL . 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 TOTAL CHARGE -CONDITIONS" listed on the reverse side. DISCOUNT - IF PAID IN 30 DAYS SIGNATURE X771/2 H. Cla PRINTED NAME

#### TREATMENT REPORT

						L	rezorMot I				Date	ι		,
						G.	stomer VUK c	5 DX50	48,NG.	Co. 21	2 4	-15-0	0	
	v 1 18 t 3.	, ,				Les		YING	?		Lease No.	-	Well#	
Fleid Order of C. Z.4	37 Stetic	الرسو الا	13/11	1. 1/5			-	Casing	1 % Depth	5555	County	ist over the	<u></u>	State 5
Type Job	ONESTA	2700	<u> </u>	ven	1 4	122	L	—··	Formation			Legal Doser	aption	45-1800
	PE-DATA		PE	RFORA	TING	DA1	ΓΑ	F	LUID USED		T	REATMEN'		
Cesing Size.	Tubing 5	ize	Shots/f	7				-Asia- / 70	SES. HIL	7 (Casser	PATE	PRE\$8	EP	
Septh	Depth		From		Το			Pro Pad (C) 2:500	5 5 G 50	Cour it	Mex	,	5 Min.	
/oluma	Volume		From		To			5 4 56.0	1.322 . 7	75 %	Min		10 Mig.	
Aux Press	Mex Pres	*	From		To			Frec	Buck		Avg		15 Min.	
Vell Connec	ion Annulus	Val.	From		Ϋ́ο				60/40	107	HHP Used	<del> </del>	Annulus F	lossura
ynd Debpp	Packer I	epth	From		To	· <del></del>		-Pach	KH. di	11/	Ges Volume	<del> </del>	Total Los	<del></del>
Sustamor Re	presentative	אע ענ		VNIC	· · · ·	Statio	n Menag		MUTRY		Treater	EUDV C	1 - 10 - 13 - 13 - 13 - 13 - 13 - 13 - 1	المريسيد ال
iervice Unite		<u> </u>	761	1050	T	Z	3	34	72	<u></u>		- <del>((3)                                  </del>	1	1
T)me	Casing Prossure		bing surre	Bbis. I		-	اا	Rate	<del>                                     </del>	٠	Sarvi	va Logi	<u> </u>	
1130				<b></b> _					Car	F 207 10 . W.	THON		-62	20
		-		<del> </del>					1		175 4/2	<del></del>		<del></del>
											TYPE			
<del></del>											CE IN			
			H	ECEIV OBATION	ED	ANAISS	INN				ER - 1-			
		STAT	_				10.1				RC. ON			<del></del>
			 ][	24	-20	00			1		THE AT			27116
1950				AOITAVA							ET SHOE			
		• • • • • • • • • • • • • • • • • • •	0000	richita. K							2 /1441/			
2120	300			2	O			6	$\overline{}$		20 661			
	300						_	4	1		5 461			iI E
<del></del>	25 5115.	60	140	PEZ	100	210	w7.	<u>&gt;</u>	·		HOLE 4			
-	300			6				6			MIX C			
	100			4	5			4		_	MEXE			
											- WH5 N			Peulo
	O				٠.			8			2%. HC			
	400							8	,		TUC GER			
	800			8	4			4			RIVIE	<del></del>		······································
7200	1500			8:		l e	[	4	· -	_	irun	<del></del>		<del></del>
			_ <del></del>								E - Per	16. H	ew	<del></del>
2230	1.			·							Ec. 76 - 7			eun
		Fi Acres	R1 -	P.O.B	riv S	813	i Dra	. vc'67			31616721 201		161 679 6	ายา

# DRIGINAL

<b>1</b>		м	
	Customer ID	Date	
ACID	DUKE DRULLENG CO. ZILL	4-15-6	90
a chivifa chi, chiq	Legse KING	Lesso No.	Well 8

iold Order 9	Stat	ion	) <u> </u>				Casing 4	. C Depth		County		( == 0	State 5.
ype Job ,	27	7500	<u> </u>	1.5			4	Formation	555	County	NEVER	dedless.	. ور دعم
10	WC ST	مازين	<u>'C'                                   </u>	NEW	4. seil	4		Lokitemodi			Codin cosci	£	45-182
PIP	E-DATA		PE	RFORATI	NG DAT	A	FL	UID USED		Ţ	REATMEN	T RESUM	E
asing Size	Tubing	Size	Shots/f	7		F	4018-17C	SES. ANZ	Carre	RATE	PRESS	ISIP	***************************************
ipth	Depth		From		To		Propert C % SML	7 5 desc.	Solva in	Max		5 Min,	
kume	Volum		From		To		95) انوناکتوریخ ک	-322 . 7.	5" 16.	Min		10 Min.	
ur Press	Max Pr		From		То	٥	C115	Buck	[	Avo		15 Min.	
sil Connecti			From		Το		25 sus	60/40 r	62	HHP Used		Annulus	Pressure
ug Depth	Packer	Depth	From		То		Presto P	ch di	el.	Ges Volume		Total Lo	ed
estornor Rep	resentativa	PRX	PER	UNICK	Statio	n Menage		MUTRY		Treater	CUAN.	Lope	leg.
rvice Unite				107	2	3	34	72					
T)me	Casing Prossure		pernio ripjuß	Bbls. Pt	tmped		Rate			Servic	e Log		
1130								on 6	ECA	MON	71	)-6z	00
	··							RUN	136.7	75 4/2	<u> 156 -</u>	555	3 ′
		_	·	<b></b>	. <u></u> .		<del></del> _			TYPE )			
~		1		ļ <u>.</u>	* .					L IN			
	<b></b>	<del>                                     </del>								2-1-			3
	*****************************	<del>                                     </del>	TATEL	RECEI		ISSION	<del></del>	1		KC. ON			
		<del>                                     </del>		<u> </u>		<b></b>				VE AT			
950	<del></del>			ш. 2	4 2000	<u> </u>	<del> </del>	,		T SHOE			
2.00	79 10	-	CO	SERVAUU Wichi	N DIVISA	:14	<del></del>	HOU	115	perper !			
2120	<i>ვ</i> ის <b>ვ</b> ის			ا بخط Wichi	ansae		<u>6</u> C	Par	1111	20 661	<del></del>	LUSH	
		1 64	2/1	2.2	.00.4	2.7	<u>ب</u>	Per	111	1/2/		5/110	HOLE
	<u> 35 511)</u> 300		140	PER			6	TUC	PCF1/	HOLE G			770.28
	300	-		4			Li.			WIX CO			
	70-	<del> </del>		7	<u></u>			57/11	e 2007 1 (10/16/16)	- 1114 x H	LEWF	- /\sil	Pese
	0	$\top$					8	57%	HLT	- WHSH ZK HC	L H	c Di	فرري
	400					1	8	1	TF75	We acro	16701	AVE.	·
	800			8	4		4			RNTE			
two	1500				7.6		4			inin			
										i - pe	16. H	ew	
230	ļ									1016-7			Kerun

## TREATMENT REPORT 01600

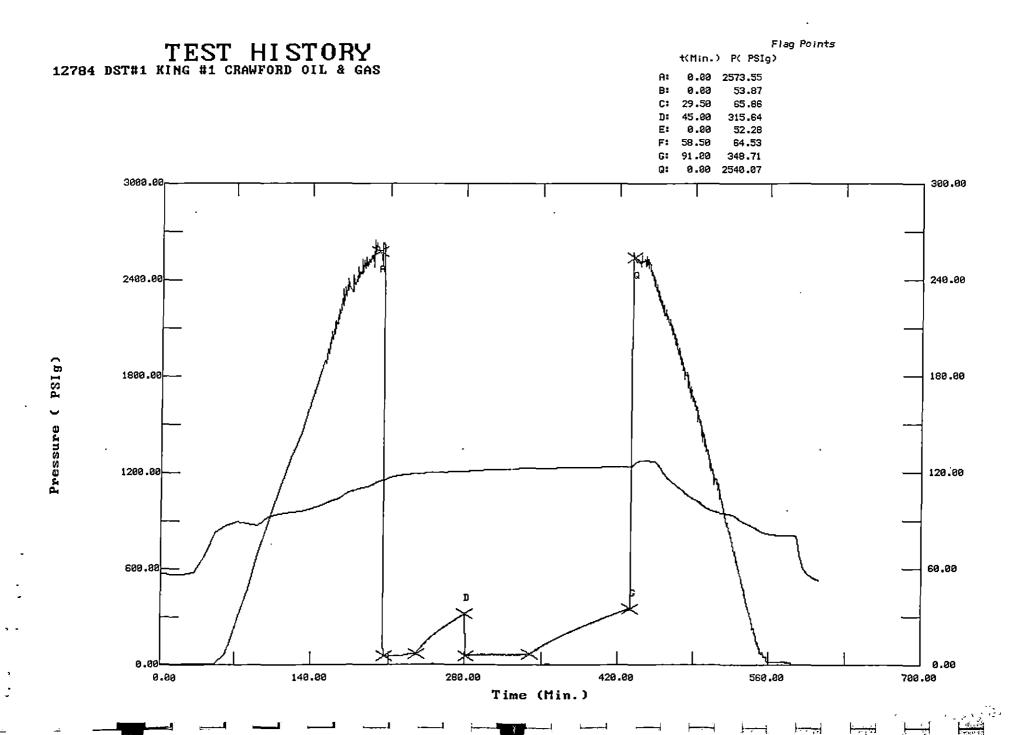
À	_			C	ustomer ID				Date	Cate		
				<u> </u>			41,NG, CE	V, Zje	Lease No.	-15-	Well#	<u>,                                     </u>
ield Order #	Statio					IN G			County			State 5.
OZ4	<u> </u>		1. 1.3			4	1/2 Depth 5	555	County of	Local Dose	motion	) par
Lo	ONE STE		-			·_						345-18W)
	PE-DATA		RFORATI	NG DA			raid ased			REATMEN		がら 
auing Size .	Tubing S	Shots/	PI			Acid / 70	SES. HAZE	ع مع ولاي ال	WIT RATE	PRESS	ISIP	
Septh .	Depth	From	_	Го		BioPati O % SM	J 5 8 56565	osus ře	Mix		5 Min.	•
onula)	Volume	From		To			1.322 .75		Min		\$D Min.	
Ask Prose	Max Pres			ľo		Frec	Buch		Avg	·	15 Min,	
Vall Connect	ion Annulus	Val.				7 cm - 200	64/40 10	. 7	HHP Used	<u> </u>	Annului	Pressure
lug Depth	Packer D	•		ľo .		Apstr	KH & M.	1/	Gas Volume		Total L	ped
Sustamor Rej	presentative	From		To Statik	on Menage			<i>M</i> ,	Treeler		و مورد	3. 7.3
		KK PEI			<del></del>	DNUE	HUTRY			- 400	Croses	0259
ionrice Units	Casing	Tubino	107	1 2	3	34	72			<u> </u>	<u> </u>	
Time	Proceure	Presure	Bbis. Pur	mped	<b></b>	Rute	<del> </del>		<del></del>	ne Log		····
1130			ļ <u>.</u>						TON		5-62	<del></del>
						4-11	RUNI	36.7	75 4/2	USG -	555	<u> </u>
			}			_			TTYPE ,			*
							Down 1	BAFF	il IN	1510	CLL WA	٠
									ER -1-			
		074	REC E CORPOR	EIVE	dMMISS	lf is.			KC. ON			
		SIA	ae-tainettes	11104 ()	THE PERSON				WE AT			DHER CO
1950			JUI	247	5000		567 0	HSK	ST SHOE	OFIC	0.1/2	Hux5
			CONSERVA	TION D	IVISIO»				> fund			
2120	30€			a. Kans		6	Pun		20 661	AA		
	<b>3</b> 60		.5			4	firm	تسود	5 661	Hel	5/11	CAL
	25 545.	60/40	Pez e	0031	207-	<del></del>	RUC	jEH1	HOLE a	1110	456	HELE
	300		0			6			MIX C			
	100		45	<u> </u>	<u> </u>	عما	FIN	75H	MIX	EWIER	51	
						,	SHUT D	CUN	- WH5H	CITIVE	-172	of Pub
	O		6			8	574	41	24. KC	I He	c D	F5/2
	400			<del></del>		8			TUC GET			<del></del>
	800	<u> </u>	84	<u>[</u>		4			RITTE			
Tes	1500		87		<del></del>	4			inux			
-\$e			1	<u> </u>	1	<u></u>			E - Per	16. A	(eri)	<del></del>
230			· ·						Ecit - 7			Kerun
	เดียนน์ ที่เคี้ ใ	id a V 61 -	P. O. Bå	8613	Pro	: KS 67			316) 672 120			5383

# ORIGINAL

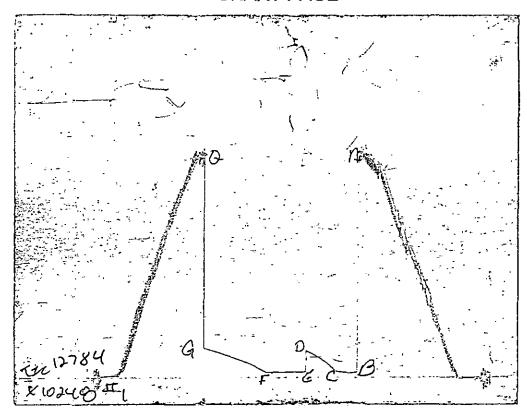
OPERATOR : Crawford Oil & Gas Inc		DATE 04-07	-000			
WELL NAME: King #1	KB	1895.00 ft	TIC	KET NO: 12784	DST #1	
LOCATION: 6-34s-18w Comanche co	KS GR	1903.00 ft	FOR	MATION: Mississip	ρi	
INTERVAL: 5319.00 To 5372.00 f	t TD	5372.00 ft	TES	T TYPE: CONVENTION	NAL	
RECORDER DATA						
Mins Field	1 2	3	4	TIME DATA		-
	10248 2342	-	-	PF Fr. 1425 to		
	400.0 4995.0	0.0	n	0 IS Fr. 1455 to		
	12 hr batt.	0.0	٠.	SF Fr. 1540 to		
	369.0 5327.0	0.0	0	0 FS Fr. 1640 to		
rb 90 Depth(It ) 5509.0 5	3309.0 5327.0	0.0	υ.	U F5 F1. 1040 CO	1010 111	
Field 1	2	3 4				
				m cmxpmpp 1050	h	
<del>-</del>		0.0	0.0	T STARTED 1059		
	1.0 54.0	0.0	0.0	T ON BOTM 1420		
B1. Final Flow 62.0 70		0.0	0.0	T OPEN 1425		
	5.0 316.0	0.0	0.0	T PULLED 1811		
D. Init Flow 64.0 70		0.0	0.0	T OUT 2100	hr	
E. Final Flow 71.0 64	4.0 65.0	0.0	0.0			
F. Fl Shut-in 359.0 345	5.0 349.0	0.0	0.0	TOOL DATA		
G. Final Hydro 2536.0 2514		0.0	0.0	Tool Wt.	2100.00	lbs
_	o I	Т	-	Wt Set On Packer	20000.00	lbs
	_	_		Wt Pulled Loose		
RECOVERY				Initial Str Wt	47000.00	
Tot Fluid 105.00 ft of 0.00 ft	Et in DC and 1	05 00 ft in	מת	Unseated Str Wt		
600.00 ft of Gas in pipe.	ic in be and i	05.00 10 111	DI	Bot Choke	0.75	
105.00 ft of Drilling mud				Hole Size	7.88	
<del>-</del>						
0.00 ft of 100% mud				D Col. ID	2.25	
0.00 ft of				D. Pipe ID	3.80	
0.00 ft of				D.C. Length	0.00	
0.00 ft of				D.P. Length	5323.00	ft
0.00 ft of						
0.00 ft of EST.FT. of PAY						
SALINITY 6000.00 P.P.M. A.P.I.	Gravity 0.00					
				MUD DATA		
				Mud Type	Chemical	
BLOW DESCRIPTION				Weight	9.10	lb/c
Initial Flow:				Vis.	51.00	S/L
Strong blow. Bottom of bucket	in 30			W.L.	9.60	
seconds.		ECEIVED		F.C.	0.20	
•		CRATION COMMIS	SIO	Mud Drop N	0.20	
Initial Shut-In:	STATE CORP	UNATION COMMIS	JIV.	nda prop a		
No blow.		0 . 005		Amt. of fill	2.00	£⊬
	′_][[	1 2427			124.00	
Final Flow:	•			Btm. H. Temp.		F
	- ar CONSE	AVATION UL	ı	Hole Condition	good	
Strong blow. Bottom of bucket		ichita, Kansas		% Porosity	11.00	
seconds.	4 55-4	ionia, nanono			6.75	ın
Final Shut-In:				No. of Packers	2	
No blow.				Cushion Amt.	0.00	N
				Cushion Type	None	
				Reversed Out N		
SAMPLES: None				Tool Chased N		
SENT TO:Caraway/Liberal				Tester Gary	Pevoteaux	
k.				<del>-</del>	istensen	
				Contr. Duke Dr		
·				Rig # 1		
				Unit #		
``` ፟፟፟፟	st Successful:	v			CM 4 #/bl	
*** TE	or pacceparat:	•		բառը I.	ICE # #/DI	

#### \*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

TOOL DIAGRAM CONVENT		
WELL NAME: King #1	P.O. SUB C.O. SUB @ top of tool	5292
LOCATION: 6-34s-18w Comanche co KS	S.I. TOOL Sterling	5298
TICKET No. 12784 D.S.T. No. 1 DATE 04-07-000	H .H	
TOTAL TOOL TO BOTTOM OF TOP PACKERS 27		
INTERVAL TOOL	HMV Sterling	5303
BOTTOM PACKERS AND ANCHOR 21	JARS bowen	5308
TOTAL TOOL 48		
DRILL COLLAR ANCHOR IN INTERVAL		
D.C. ANCHOR STND.Stands Single Total		
D.P. ANCHOR STND.Stands Single 1 Total 32	SAFETY JOINT bowen	5310
TOTAL ASSEMBLY80	PACKER Top	5314
	PACKER Btm.	5319
D.C. ABOVE TOOLS.Stands Single Total	1 ft.	5320
D.P. ABOVE TOOLS.Stands86 Single Total 5323	ANCHOR	
TOTAL DRILL COLLARS DRILL PIPE & TOOLS 5403	4'perfs & sub to	5324
TOTAL DEPTH 5372	Alpine rec. @ 5327	
TOTAL DRILL PIPE ABOVE K.B	H .	
	H	
REMARKS: Comments:	H	
	1 jt. pipe to	5356
FLUID SAMPLER DATA (not run)		
GAS cubic ft OIL ML.	· ·	
MUD ML.		
WATER ML. OTHER	Д	
PRESSURE PSI	H	F2.69
Rw ohms @ deg. F. CHLORIDES ppm.	11'perfs & sub to	5367
GRAVITY deg.API	Ц	
	NY 1 mas 0 5000	
	AK-1 rec. @ 5369	
•	BULLNOSE 5 ft. perforated	5372
	□ <sub>T.D.</sub>	



### CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

## TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

#### **Test Ticket**

Nº 12784

	· · · · · · · · · · · · · · · · · · ·		
	Well Name & No. Kてんな せい Test	Vo D	ate 4-7-7-000
	Company Crawford Oil & Con Try	Zone Tested مر	Miss.
	Address P.O. Box St. Coldwater Co. 670		
	Co. Rep/Geo. Jon Christenson Cont. Dable De		
			enchestate (s.
	No. of Copies Distribution Sheet (Y, N) Turnkey (		
	<del></del>		
	- I	•	Unseated Str Wt/Lbs. 40,000
.*	6011.	of Lbs. 26,000	Wt. Pulled Loose/Lbs. (6) 1000
	Top I don't bepair	Veight 300	
			Rubber Size — 6 3/4"
	Total Depth S372 Wt. Pi	17	_ Drill Collar Run _ None
		•	1 Ft. Run
	Blow Description IF: Strong blow, 15015. m	SU sus	ISI: No lotores
	FF: Strong blow, BOB. in 35-secs	, FSI: No.	lalour.
			<del></del> .
		t, in DC	Ft. in
	Rec. 105 Feet Of Dusy, Much.	%gas %oii	<del></del>
	Rec Feet Of	%gas %oi	%Wa:
	Rec Feet Of	%gas %oi	<b>%w</b> 5'
	Rec Feet Of	%gas %oi	
	Rec Feet Of	%gas %oi	%water %mud
	BHT ( ) ペー oF Gravity	°F Correc	ted Gravity <u>~ \mathcal{A}  \A  \alpha \alpha \left A  \alpha \alpha \alpha \left A  \alpha \alpha \alpha \alpha \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha  \alpha   \alpha    \alpha                                                                                                                                       </u>
	RW パ.C. @ °F Chlorides <u>し,ののじ</u>	ppm Recovery Ch	lorides <u>4,006</u> ppm System
	AK-1 Alpine (AL)		
		. <u> 2342</u>	T-On Location <u>ので</u> ろ <u></u>
	(B) First Initial Flow Pressure 53 S4 PSI (depth		T-Started 1 C SST
	(C) First Final Flow Pressure PSI Recorder No		T-Open
		) <u>5369"</u>	T-Pulled 1821
			T-Out D(CO
		) og30	<del></del>
	(Q) Final Hydrostatic Mud 2536 2540 PSI Initial Shut-ir		Jars \( \tag{200}
		- 60	Safety Joint <u>50</u>
	Fig. 1 Ob. 4 to	40_	Straddle
	OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS	!	Circ. Sub
	MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR	7	Sampler
	DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.		Extra Packer
•	C of lol		Elec, Rec
	Approved By		Mileage
			Other 34 1 3000
·	Our Representative Jany Turo Course		TOTAL PRICE \$ 1230
	4		<i>)</i>