

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACQ-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 4767

Name: Ritchie Exploration

Address 125 North Market - Suite 1000

City/State/Zip Wichita, Kansas 67202

Purchaser: _____

Operator Contact Person: Lisa Thimmesch

Phone (316) 267-4375

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Rocky Milford **RELEASED**

Designate Type of Completion
 New Well Re-Entry 10/12/99

Oil SWD SIOV Temp. Abd.
 Gas ENHR SIGK
 Dry Other (Core, WSU, Exp., Cathodic, etc.)

If Workover/Re-Entry: old well info as follows: **KCC**

Operator: _____ **DEC 3 11**

Well Name: _____ **CONFIDENTIAL**

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Cemented Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

10-08-96 10-17-96 10-18-96
Spud Date Date Reached TD Completion Date

API NO. 15- 057-20546 0000

County Ford County, Kansas

E/2 -W/2 - NE - Sec. 16 Twp. 29S Rge. 22W XX

1355 Feet from SW (circle one) Line of Section

1580 Feet from SW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE, SE, NW or SW (circle one)

Lease Name Darst Well # 1-A

Field Name _____

Producing Formation None

Elevation: Ground 2495' KB 2508'

Total Depth 5436' PBTB _____

Amount of Surface Pipe Set and Cemented at 695' 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/ _____ ex cnt.

Drilling Fluid Management Plan D&A 97 11-7-97
(Data must be collected from the Reserve Pit)

Chloride content 10,000 ppm Fluid volume 770 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name **PLEASE KEEP THIS INFORMATION CONFIDENTIAL**

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 on 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-1 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 Lisa Thimmesch

Title President Date 12/31/96

Subscribed and sworn to before me this 31st day of Dec 19 96

Notary Public Lisa Thimmesch

Date Commission Expires _____

LISA THIMMESCH
NOTARY PUBLIC
STATE OF KANSAS
My Appl. Exp. 8-29-99

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep KGPA
 KGS Plug Other (Specify)

Operator Name Ritchie Exploration

Lease Name Darst

Well # 1-A

County Ford County, Kansas

Sec. 16 Twp. 29 Rge. 22

East
 West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

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.)

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

See attached sheet

List All E.Logs Run:

Compensated Neutron Compensated Photo-Density Log
Array Induction Shallow Focused Electric Log
Micro-Resistivity Log

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#	695'	60/40 Poz	165	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 Inj.	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:

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

METHOD OF COMPLETION

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

Production Interval _____

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

RTCHIE EXPLORATION, INC.

125 N. Market - Suite 1000
Wichita, Kansas 67202-1775
316-267-4375 FAX 316-267-3026

ORIGINAL

#1-A Darst
70' East of E/2 W/2 NE
Section 16-29S-22W
Ford County, Kansas
API# 15-057-20,54
Estimated Elevation: 2495' GL 2508' KB

CONFIDENTIAL

Sample Tops

Heebner 4377'(-1869)
Lansing 4554'(-2046)
Stark 4895'(-2387)
B/KC 5011'(-2503)
Cherokee 5153'(-2645)
Base Inola 5248'(-2740)
Miss. 5274'(-2766)
RTD 5436'(-2928)

Log Tops

Cherokee 5159'(-2651)
Base Inola 5253'(-2745)
Miss. 5282'(-2774)
LTD 5439'(-2931)

RELEASED

JAN 29 1999

FROM CONFIDENTIAL

KCC

DEC 31

CONFIDENTIAL

PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

RECEIVED
KANSAS CORP CORP
1997 JAN -2 P 1:34

ALLIED CEMENTING CO., INC.

4962

CONFIDENTIAL

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

ORIGINAL

SERVICE POINT:

By Hand

DATE <u>12-9-96</u>	SEC. <u>110</u>	TWP. <u>27</u>	RANGE <u>22</u>	CALLED OUT <u>11:30 AM</u>	ON LOCATION <u>2:45 PM</u>	JOB START <u>4:15 PM</u>	JOB FINISH <u>5:30 PM</u>
LEASE <u>Grant</u>	WELL # <u>1-A</u>	LOCATION <u>Kingsdown - 1E, 1/4, 4W, 5S</u>			COUNTY <u>Ford</u>	STATE <u>Ks</u>	

OLD OR NEW (Circle one)

CONTRACTOR Andy Rig #7

TYPE OF JOB Surface (Loss Circ)

HOLE SIZE 12 1/4" TD. 700'

CASING SIZE 8 3/4" DEPTH 695'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT 39 1/2'

CEMENT LEFT IN CSG. 39 1/2'

PERFS. Deployment = 43 blls

OWNER: Same

CEMENT

AMOUNT ORDERED 450 lbs 60/40 3% cc
29 Med 1/4" Donald/Hu
(used 215 lbs)

COMMON	@	1971
POZMIX	@	1971
GEL	@	1971
CHLORIDE	@	1971
<u>KUC</u>	@	1971
<u>DEC 31</u>	@	1971
<u>CONFIDENTIAL</u>	@	1971
HANDLING	@	1971
MILEAGE	@	1971

RECEIVED
KANSAS AG CENTER

EQUIPMENT

PUMP TRUCK CEMENTER Tamm A

181 HELPER Bahn B

BULK TRUCK

2121 DRIVER Kevin R.

BULK TRUCK

_____ DRIVER _____

RELEASED

JAN 29 1999

TOTAL _____

REMARKS:

Run 695' @ 8 3/8" cas. Mixed 1165 lbs
60/40 3% cc 1/4" Donald/Hu. Deployed with
fresh water to tank bottom.
Mixed 50 lbs 60/40 3% cc 1/4" Donald/Hu.
to tank top. Run baskets at 125' + 209'
Cement to surface.

Thompe

FROM CONFIDENTIAL SERVICE

DEPTH OF JOB 695'

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE @ _____

MILEAGE @ _____

PLUG 1- 8 3/8" Redden @ _____

_____ @ _____

_____ @ _____

CHARGE TO: Rite-Rite Explorations, Inc.

STREET 125 N. Main St Suite 1000

CITY Winifred STATE Ks ZIP 67202

FLOAT EQUIPMENT

1- 8 3/8" Ball's Blasto. @ _____

2- 8 3/8" Redden @ _____

Baskets @ _____

_____ @ _____

_____ @ _____

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 [Signature] HA MOORE

and printing in grade 3

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 willful 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.

6054

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

CONFIDENTIAL

ORIGINAL

SERVICE POINT:

Russell

DATE <i>10-18-96</i>	SEC. <i>16</i>	TWP. <i>29</i>	RANGE <i>22</i>	CALLED OUT <i>10:00PM</i>	ON LOCATION <i>1:00AM</i>	JOB START <i>5:20AM</i>	JOB FINISH <i>7:00AM</i>
LEASE <i>Dart</i>	WELL# <i>1-A</i>	LOCATION <i>Pineblow-1W-1/4N-1/2W</i>			COUNTY <i>Ford</i>	STATE <i>KS.</i>	

OLD OR NEW (Circle one)

CONTRACTOR *Duke* OWNER *Sarae*

TYPE OF JOB *R Plug* CEMENT

HOLE SIZE *7 3/8"* T.D. *5436* RELEASED

CASING SIZE DEPTH AMOUNT ORDERED *175 60/40 679 gal*

TUBING SIZE DEPTH JAN 29 1999

DRILL PIPE *4 1/2"* DEPTH *1000'*

TOOL DEPTH

PRES. MAX MINIMUM FROM CONFIDENTIAL *105* @ *6.10* *640.50*

MEAS. LINE SHOE JOINT POZMIX *70* @ *3.15* *220.50*

CEMENT LEFT IN CSG. GEL *9* @ *9.50* *85.50*

PERFS. CHLORIDE @ *1.00* *100.00*

EQUIPMENT

PUMP TRUCK CEMENTER *Mike*

224 HELPER *Bob*

BULK TRUCK

222 DRIVER *Bill*

BULK TRUCK

DRIVER

COMMON *105* @ *6.10* *640.50*

POZMIX *70* @ *3.15* *220.50*

GEL *9* @ *9.50* *85.50*

CHLORIDE @ *1.00* *100.00*

DEC 31 @ *1.00* *100.00*

CONFIDENTIAL @ *1.00* *100.00*

HANDLING *175* @ *1.05* *183.75*

MILEAGE *57* @ *3.50* *199.50*

TOTAL \$ *1529.25*

REMARKS:

1st Plug at 1000' w/ 50SKs
2nd Plug at 720' w/ 50SKs
3rd Plug at 450' w/ 40SKs
4th Plug at 40' w/ 10SKs
Rat Hole 15SKs - Mouse Hole 10SKs

SERVICE

DEPTH OF JOB *1000'*

PUMP TRUCK CHARGE *445.00*

EXTRA FOOTAGE @

MILEAGE *57* @ *2.85* *162.45*

PLUG *1-85g @ Halk* @ *23.00* *23.00*

DRY @

TOTAL \$ *630.45*

CHARGE TO: *Ritchie Exploration Inc.*

STREET *125 N. Market Suite 1000*

CITY *Wichita* STATE *Ks* ZIP *67202*

FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

TAX *-0-*

TOTAL CHARGE \$ *2159.70*

DISCOUNT \$ *323.96* IF PAID IN 30 DAYS

Net \$ *1835.74*

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.

SIGNATURE *Eric R Chase*

ERIC CHASE

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.

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(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.

4286

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67663

CONFIDENTIAL ORIGINAL

SERVICE POINT:

Wrest Bend

DATE <i>10-8-96</i>	SEC. <i>16</i>	TWP. <i>29</i>	RANGE <i>22</i>	CALLED OUT <i>3 AM</i>	ON LOCATION <i>5 AM</i>	JOB START <i>11 AM</i>	JOB FINISH <i>12 AM</i>
LEASE <i>Barst</i>	WELL # <i>1-16 twin</i>	LOCATION <i>Kings Down 2E 1/2 S 1/2 W 5/4</i>	COUNTY <i>Ford</i>	STATE <i>K.S.</i>			

OLD OR NEW (Circle one)

CONTRACTOR *Duke Drilling Rig #17* OWNER *Same*

TYPE OF JOB *Surface Conductor* CEMENT

HOLE SIZE *4 1/2"* T.D. *265 ft*

CASING SIZE *New 13 1/8"* DEPTH *265 ft* AMOUNT ORDERED *225 60/10 32cc 225 gal*

TUBING SIZE _____ DEPTH _____ RELEASED _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH *JAN 29 1999*

PRES. MAX *100'* MINIMUM _____ COMMON *135 @ 6.10 823.50*

MEAS. LINE *245'* SHOE JOINT _____ BOZMIX *90 @ 3.15 283.50*

CEMENT LEFT IN CSG. *20 ft* GEL *4 @ 9.50 38.00*

PERFS. *Displace ment 23.9 bbls* CHLORIDE *NO @ 28.00 196.00*

EQUIPMENT

PUMP TRUCK CEMENTER *Mike M*

120 HELPER *Duane S.*

BULK TRUCK _____

_____ DRIVER _____

BULK TRUCK _____

222 DRIVER *Kevin R.*

CONFIDENTIAL	DEC 31		
HANDLING	<i>225</i>	@ <i>1.05</i>	<i>236.25</i>
MILEAGE	<i>57</i>	@	<i>513.00</i>

TOTAL *2090.25*

REMARKS:

SERVICE

Circulate The Hole with Rig mud pump mix Cement + Displace it Down with water

Cement did Circulate to Surface

DEPTH OF JOB	<i>265 ft</i>		
PUMP TRUCK CHARGE			<i>445.00</i>
EXTRA FOOTAGE		@	
MILEAGE	<i>57</i>	@ <i>2.85</i>	<i>162.45</i>
PLUG		@	

TOTAL *1607.45*

CHARGE TO: *Ritchie Exploration Inc*

STREET *125 N Market suite 1000*

CITY *Wichita* STATE *K.S.* ZIP *67202*
316-267-4375

FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		

TOTAL _____

*Thank you
Allied Cementing Co. Inc
Mike + Duane + Kevin*

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	<i>0</i>		
TOTAL CHARGE	<i>\$ 2697.70</i>		
DISCOUNT	<i>\$ 404.66</i>	IF PAID IN 30 DAYS	

Net \$ 2293.04

SIGNATURE *[Signature]*

HARVEY MOORE

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.

RELEASED

JAN 29 1999

ORIGINAL

CONFIDENTIAL

DST REPORT

FROM CONFIDENTIAL

15-057-20546

GENERAL INFORMATION

DATE : 10/15/96
 CUSTOMER : RITCHIE EXPLORATION, INC.
 WELL : #1-A TEST: 1
 ELEVATION: 2508 KB
 SECTION : 16
 RANGE : 22W COUNTY: FORD
 GAUGE SN#: 10270 RANGE : 4150

TICKET : 21950
 LEASE : DARST
 GEOLOGIST: MILFORD
 FORMATION: CONGLOMERATE CHERT
 TOWNSHIP : 29S
 STATE : KS
 CLOCK : 12

CONFIDENTIAL

KUC

WELL INFORMATION

PERFORATION INTERVAL FROM: 5245.00 ft TO: 5283.00 ft TVD: 5283.0 ft
 DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
 DEPTH OF RECORDERS: 5248.0 ft 5251.0 ft
 TEMPERATURE: 0.0

DEC 31
CONFIDENTIAL

DRILL COLLAR LENGTH:	240.0 ft	I.D.:	2.200 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	4985.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	38.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH:	5240.0 ft	SIZE:	6.630 in
PACKER DEPTH:	5245.0 ft	SIZE:	6.630 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : DUKE DRLG RIG 7
 MUD TYPE : CHEMICAL VISCOSITY : 48.00 cp
 WEIGHT : 9.100 ppg WATER LOSS: 14.200 cc
 CHLORIDES : 7000 ppm
 JARS-MAKE :
 DID WELL FLOW?: NO SERIAL NUMBER:
 REVERSED OUT?: NO

COMMENTS

Comment

MISRUN

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
360.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	No Events Created
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	2.8115 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	2.8115 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 0.00

Description	Duration	p1	p End
INITIAL FLOW	0.00	0.00	0.00
INITIAL SHUT-IN	0.00		0.00
FINAL FLOW	0.00	0.00	0.00
FINAL SHUT-IN	0.00		0.00

FINAL HYDROSTATIC PRESSURE: 0.00

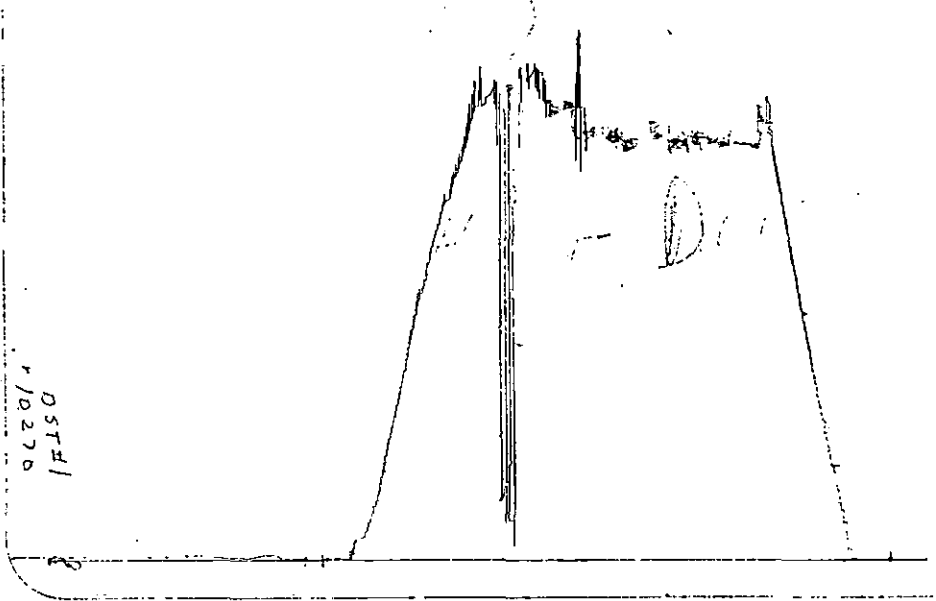
OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2582.00

Description	Duration	p1	p End
INITIAL FLOW	0.00	0.00	0.00
INITIAL SHUT-IN	0.00		0.00

FINAL HYDROSTATIC PRESSURE: 2527.00

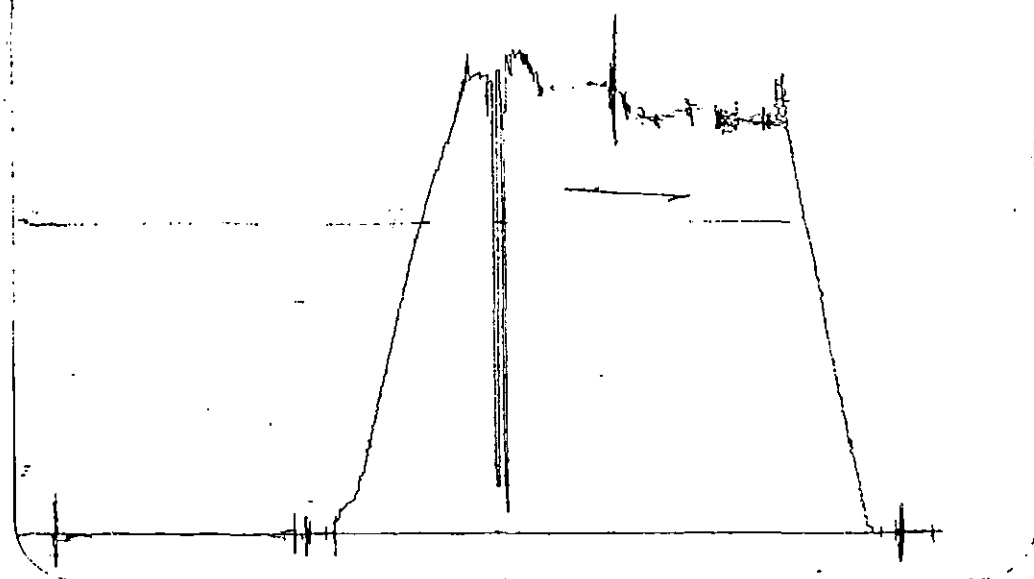
KT 21950



DST#1
4/10270

Inside Recorder

KT 21950



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 10/16/96
CUSTOMER : RITCHIE EXPLORATION, INC.
WELL : #1-A TEST: 2
ELEVATION: 2508 KB
SECTION : 16
RANGE : 22W COUNTY: FORD
GAUGE SN#: 10270 RANGE : 4150
TICKET : 22051
LEASE : DARST
GEOLOGIST: MILFORD
FORMATION: CONGLOMERATE CHERT
TOWNSHIP : 29S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 5144.00 ft TO: 5283.00 ft TVD: 5283.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 5150.0 ft 5153.0 ft
TEMPERATURE: 0.0
DRILL COLLAR LENGTH: 240.0 ft I.D.: 2.200 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 4884.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 139.0 ft ANCHOR SIZE: 5.500 in
SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 4.5XH
PACKER DEPTH: 5139.0 ft SIZE: 6.630 in
PACKER DEPTH: 5144.0 ft SIZE: 6.630 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : DUKE DRLG RIG 7
MUD TYPE : CHEMICAL VISCOSITY : 55.00 cp
WEIGHT : 9.000 ppg WATER LOSS: 9.600 cc
CHLORIDES : 8000 ppm
JARS-MAKE :
DID WELL FLOW?: NO SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

MISRUN

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
245.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0000 STB		TOTAL FLOW TIME: No Events Created
GAS VOLUME:	0.0000 SCF		AVERAGE OIL RATE: 0.0000 STB/D
MUD VOLUME:	1.1985 STB		AVERAGE WATER RATE: 0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	1.1985 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 0.00

Description	Duration	p1	p End
INITIAL FLOW	0.00	0.00	0.00
INITIAL SHUT-IN	0.00		0.00
FINAL FLOW	0.00	0.00	0.00
FINAL SHUT-IN	0.00		0.00

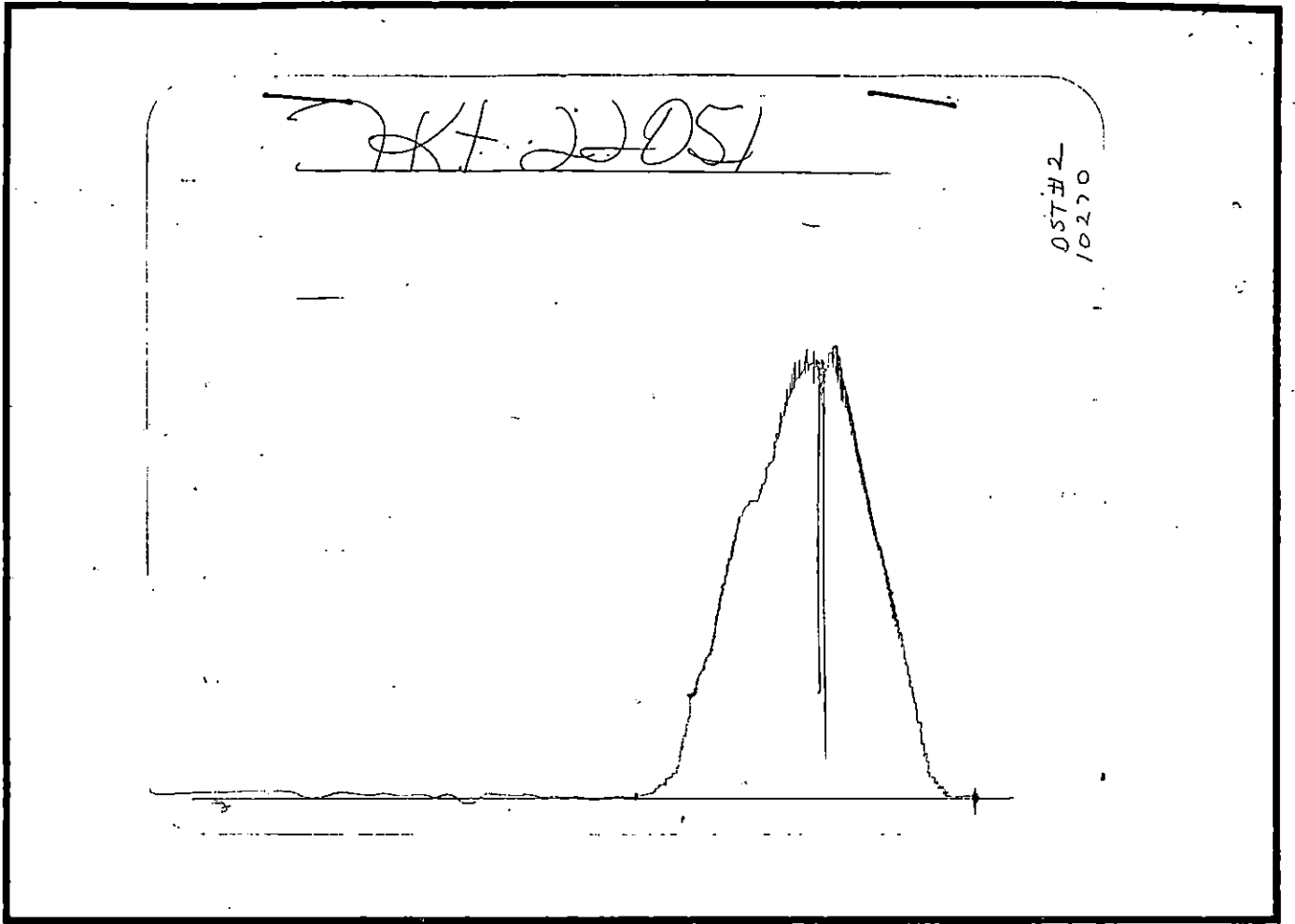
FINAL HYDROSTATIC PRESSURE: 0.00

OFFICE TIME & PRESSURE INFORMATION

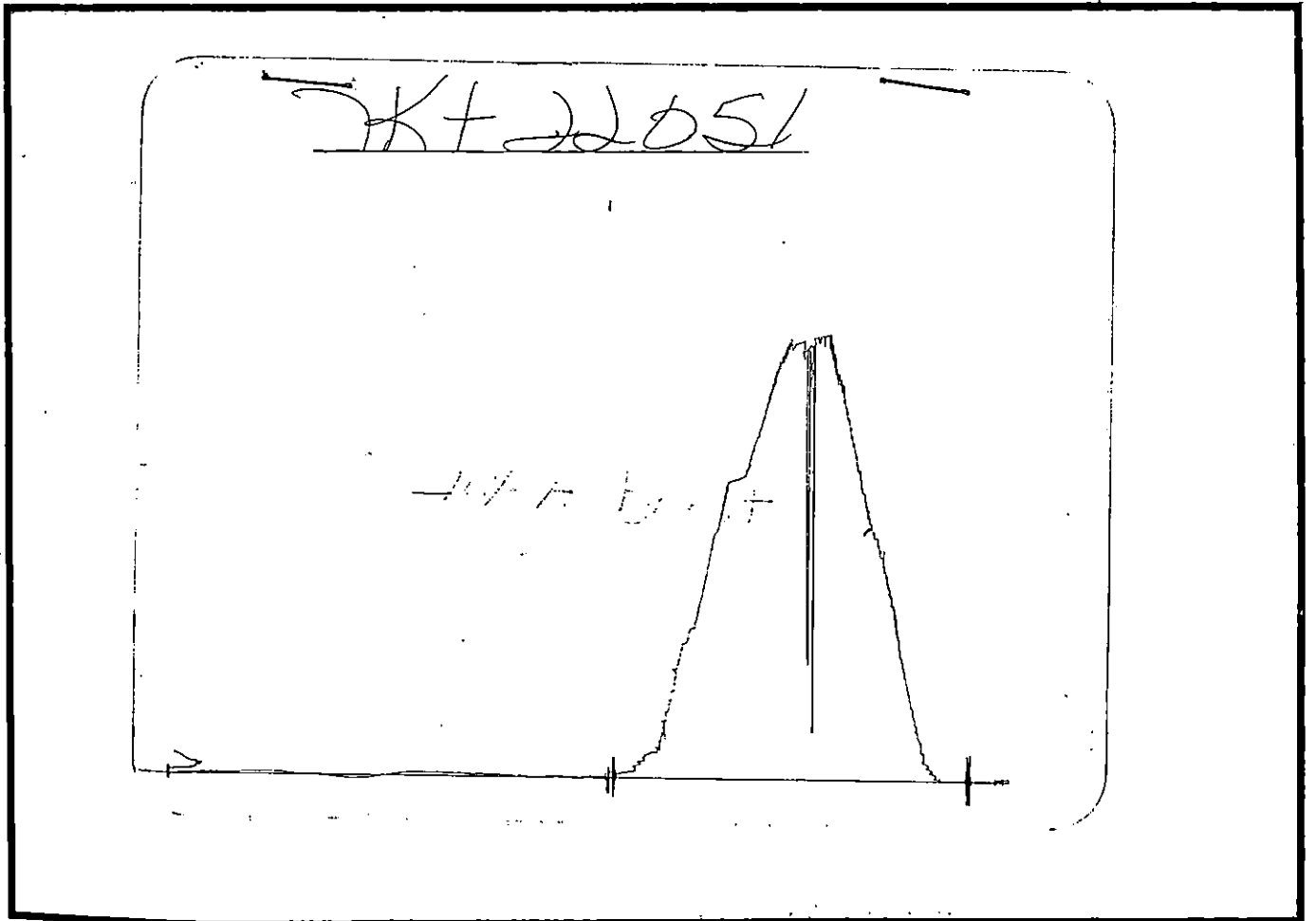
INITIAL HYDROSTATIC PRESSURE: 2525.00

Description	Duration	p1	p End
INITIAL FLOW	0.00	0.00	0.00
INITIAL SHUT-IN	0.00		0.00

FINAL HYDROSTATIC PRESSURE: 2483.00



Inside Recorder



Outside Recorder