

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 # 32566
 Name: Cleary Petroleum Corporation
 Address: 2601 NW Expressway, Suite 801W
 City/State/Zip: Oklahoma City, OK 73112
 Purchaser: Western Gas
 Operator Contact Person: William I. Churchill
 Phone: (405) 848-5019
 Contractor: Name: Duke Drilling Co., Inc.
 License: 5929
 Wellsite Geologist: _____
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)
 If Workover/Re-entry: Old Well Info as follows:
 Operator: _____
 Well Name: _____
 Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

| | | |
|-----------------------------------|-----------------|---|
| 12-16-03 | 12-29-03 | 02-26-04 |
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |

API No. 15 - 007-22785-00-00
 County: Barber
 W/2 E/2 NW Sec. 17 Twp. 35 S. R. 15 East West
1320 feet from S / (circle one) Line of Section
1690 feet from E / (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: Brass Well #: 2-17
 Field Name: Aetna Gas Area
 Producing Formation: Mississippi
 Elevation: Ground: 1,778' Kelly Bushing: 1,789'
 Total Depth: 5,400' Plug Back Total Depth: 5,253'
 Amount of Surface Pipe Set and Cemented at 1,013 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 cm.

Drilling Fluid Management Plan *ACE 1100 6-17-04*
 (Data must be collected from the Reserve Pit)
 Chloride content 6,800 ppm Fluid volume 300 bbls
 Dewatering method used haul-off & evaporate
 Location of fluid disposal if hauled offsite:
 Operator Name: Oil Producers Inc. of Kansas
 Lease Name: SWD May License No.: 8061
 Quarter _____ Sec. 13 Twp. 35 S. R. 16 East West
 County: Commanche Docket No.: D27726

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: William I. Churchill
 Title: Vice-President Operations Date: March 2, 2004
 Subscribed and sworn to before me this 2 day of March
20 04
 Notary Public: Elizabeth Black
 Date Commission Expires: _____



KCC Office Use ONLY

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

X

Operator Name: Cleary Petroleum Corporation Lease Name: Brass Well #: 2-17
 Sec. 17 Twp. 35 S. R. 15 East West County: Barber

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:

| <input checked="" type="checkbox"/> Log | Formation (Top), Depth and Datum | <input type="checkbox"/> Sample |
|---|----------------------------------|---------------------------------|
| | Name | Top Datum |
| | Hertha | 4,941 -3,151 |
| | Fort Scott | 5,072 -3,282 |
| | Cherokee | 5,127 -3,337 |
| | Mississippi | 5,160 -3,370 |

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DIL, CNT, LDT, MLT, CST

| CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used | | | | | | | |
|---|-------------------|---------------------------|-------------------|---------------|----------------|--------------|--------------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. | | | | | | | |
| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| Surface | 12-1/4" | 8-5/8" | 24# | 1,013' | Lite Class A | 325/150 | 6% getl, 3% cc, 3% cc, 2% getl |
| Production | 7-7/8" | 4-1/2" | 10.5# | 5,395' | ASC | 150 | 5#/sk kolseal |

| 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 |
|----------------|---|---|------------|
| 1 SPF | | 5000 bbl. gelled wtr. + 40,500# sd. | 5,170'-90' |

| TUBING RECORD | | Size | Set At | Packer At | Liner Run |
|--|-----------|---------|---|---------------|---|
| | | 2 3/8" | 5,165' KB | NONE | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Date of First, Resumerd Production, SWD or Enhr. | | | Producing Method | | |
| 02/26/04 | | | <input checked="" 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 |
| | 4 | 750 | 200 | 187,500 | |

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

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled

Production Interval Other (Specify) _____

Date 12-24-03 District WIC Ticket No. 14607
 Company Clary Pet Rig Duke #5
 Lease Brads Well No. 2-17
 County Barber State KS
 Location May Ranch Field 17-355-05W
2 1/2 M/S

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 4 1/2 Type _____ Weight 16.5 Collar _____

Casing Depths: Top KB Bottom 5397'

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. -0.58 Lin. ft./Bbl. 6270
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. 0.406 Lin. ft./Bbl. 24.64
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Spacer Type: 500 Gal Mud-clean
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type EO-40:6
 Amt. 25 Sks Yield 1.58 ft³/sk Density 13.8 PPG

TAIL: Pump Time _____ hrs. Type 220+54
Kel-seal + .5 x 1160 Excess _____
 Amt. 150 Sks Yield _____ ft³/sk Density _____ PPG
 WATER: Lead 2.8 gals/sk Tail 7.3 gals/sk Total _____ Bbls.

Pump Trucks Used 300-302 Wayne West
 Bulk Equip. 240 Bill Madecado

Float Equip: Manufacturer Flowco
 Shoe: Type Reg Depth 5397'
 Float: Type DFU float collar Depth 5375'
 Centralizers: Quantity 6 Plugs Top Rubber Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type Freshwater Amt. 85 1/2 Bbls. Weight 5.3V PPG
 Mud Type 2/ KLL Weight _____ PPG

COMPANY REPRESENTATIVE: David Bertsjander CEMENTER: Clark Baldwin

| TIME | PRESSURES PSI | | FLUID PUMPED DATA | | | REMARKS |
|----------------|-------------------|---------|-------------------|------------------------|----------------|--|
| | DRILL PIPE CASING | ANNULUS | TOTAL FLUID | Pumped Per Time Period | RATE Bbls Min. | |
| <u>8:30 AM</u> | | | | | | <u>Rig up</u> |
| <u>1:30</u> | | | | | | <u>Run casing</u> |
| <u>2:35</u> | <u>500</u> | | <u>12</u> | <u>12</u> | <u>6</u> | <u>Drop ball + Break Circulation.</u> |
| <u>1</u> | <u>300</u> | | <u>19</u> | <u>7</u> | <u>3</u> | <u>Circulate for 1 hour</u> |
| <u>2:50</u> | | | <u>61</u> | <u>42</u> | <u>6</u> | <u>Pump 12 Bbls mud clean</u> |
| <u>2:54</u> | <u>200</u> | | | | <u>6</u> | <u>Hug PAT + mouse w/ 25 x 60:40:6</u> |
| <u>1</u> | <u>200</u> | | <u>104</u> | <u>43</u> | <u>6</u> | <u>mix + pump 150 SK ASC Cement</u> |
| <u>1</u> | <u>275</u> | | <u>111</u> | <u>7</u> | <u>4 1/2</u> | <u>Wash out pump + Liner</u> |
| <u>3:15</u> | <u>600</u> | | <u>121</u> | <u>10</u> | <u>4 1/2</u> | <u>Release plug</u> |
| | <u>1100</u> | | <u>141</u> | <u>20</u> | <u>3</u> | <u>Start Displacement</u> |
| | | | <u>146 1/2</u> | <u>5 1/2</u> | | <u>Cement furnish shoe (43 out)</u> |
| | | | | | | <u>slow rate (50 out)</u> |
| | | | | | | <u>see lift pressure (60 out)</u> |
| | | | | | | <u>slow rate (80 out)</u> |
| | | | | | | <u>(Bump plug)</u> |
| | | | | | | <u>Release pressure + float</u> |

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ORIGINAL

ALLIED CEMENTING CO., INC. 14607

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

SERVICE POINT:

Medicine Lodge

| | | | | | | | |
|-------------------------|--------------------|--------------------------------------|------------------|---------------------------|----------------------------|-----------------------|---------------------------|
| DATE <u>12-29-03</u> | SEC. <u>17</u> | TWP. <u>35S</u> | RANGE <u>13W</u> | CALLED OUT <u>7:30 PM</u> | ON LOCATION <u>9:30 PM</u> | JOB START <u>2:35</u> | JOB FINISH <u>3:15 AM</u> |
| LEASE <u>(Brass)</u> | WELL # <u>2-17</u> | LOCATION <u>May Ranch 2 1/2 mi S</u> | | | COUNTY <u>Barber</u> | STATE <u>Ks.</u> | |
| OLD OR NEW (Circle one) | | | | | | | |

CONTRACTOR Duke #5
 TYPE OF JOB production
 HOLE SIZE 7 7/8 T.D. 5400
 CASING SIZE 4 1/2 x 10 5 DEPTH 5397'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX 1100 MINIMUM 200
 MEAS. LINE _____ SHOE JOINT 22
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT 8 5/8 Bbls 21 KCL

OWNER Clary Petroleum
 CEMENT
 AMOUNT ORDERED 500 Gal mud-clean
9 Gal clapr 25.5x 60.40:6
150.5x ASC + 5 1/4 rot-seal + .5% FI-160

EQUIPMENT
 PUMP TRUCK CEMENTER Clark Baldwin
 # 360-302 HELPER Dwayne West
 BULK TRUCK
 # 240 DRIVER Bill Mackadon
 BULK TRUCK
 # _____ DRIVER _____

| |
|--|
| COMMON <u>A</u> <u>15 5x</u> @ <u>7.15</u> <u>107.25</u> |
| POZMIX <u>10 5x</u> @ <u>3.80</u> <u>38.00</u> |
| GEL <u>2 5x</u> @ <u>10.00</u> <u>20.00</u> |
| CHLORIDE @ <u>1</u> |
| ASC <u>150 5x</u> @ <u>9.00</u> <u>1350.00</u> |
| Rot-seal <u>750</u> @ <u>.50</u> <u>375.00</u> |
| FI-160 <u>113</u> @ <u>8.00</u> <u>904.00</u> |
| Mud-clean <u>500 Gal</u> @ <u>.75</u> <u>375.00</u> |
| Clapr <u>9 Gal</u> @ <u>22.90</u> <u>206.10</u> |
| HANDLING <u>222</u> @ <u>1.15</u> <u>255.30</u> |
| MILEAGE <u>222 x .05 x 45 5x</u> <u>499.50</u> |

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TOTAL 4130.15

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KCC WICHITA SERVICE

REMARKS:

Rin. Casing Break Circ. Pump 12 Bbls
Mud-clean Pump 25.5x 60.40:6
mover + Rot Hole Mix + Pump 150
5x ASC cement wash Pump + Lines
Release plug + Disp w/ 8 5/8 Bbls 21 KCL
Bump plug + float held

| |
|---|
| DEPTH OF JOB <u>5397'</u> |
| PUMP TRUCK CHARGE <u>1340.00</u> |
| EXTRA FOOTAGE @ _____ |
| MILEAGE <u>45</u> @ <u>3.50</u> <u>157.50</u> |
| PLUG Rubber @ <u>45.00</u> |
| @ _____ |
| @ _____ |

TOTAL 1545.50

CHARGE TO: Clary Petroleum
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

| |
|---|
| 1 Reg Guide shoe @ <u>125.00</u> |
| 1 APU float collar @ <u>245.00</u> |
| 6 Centralizers @ <u>45.00</u> <u>270.00</u> |
| @ _____ |
| @ _____ |

TOTAL 640.00

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

TAX _____
 TOTAL CHARGE 6315.65
 DISCOUNT -10% IF PAID IN 30 DAYS

SIGNATURE W. J. R. Bell

NET 5684.98
DAVID BENSCHNIGER
 PRINTED NAME

ALLIED CEMENTING CO., INC.

CEMENTING LOG

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ORIGINAL **CCC WICHITA**

Date 12-17-03 District Mod. Luge, KS Ticket No. 14100
 Company Clarry Petroleum Rig Duk #5
 Lease Prass Well No. 2-17
 County Barber State KS
 Location May Ranch Airport Field 17-353-15W
ZE N. into

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 3 7/8 Type J55 Weight 24.00 Collar _____

Casing Depths: Top 8.5 Bottom 1013

Drill Pipe: Size 4 1/2 Weight _____ Collars _____
 Open Hole: Size 17 1/4 T.D. 1015 ft. P.B. to _____ ft.

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. 1.0637 Lin. ft./Bbl. 15.70
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. 0.735 Lin. ft./Bbl. 13.60
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:

Spacer Type: _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type 65:35:6136cc
+ 14" Oil Seal Excess _____

Amt. 325 Skys Yield 198 ft³/sk Density 12.8 PPG

TAIL: Pump Time _____ hrs. Type 65:11+32cc
2 1/2 gal Excess _____

Amt. 150 Skys Yield 131 ft³/sk Density 15.2 PPG

WATER: Lead 10.7 gals/sk Tail 651 gals/sk Total 107 Bbls.

Pump Trucks Used #350 Dave Feltz

Bulk Equip. #341-Drip Franklin

#353-Bill Menda

Float Equip: Manufacturer Collinco

Shoe: Type Torch C.H Depth 1013

Float: Type _____ Depth 470

Centralizers: Quantity 3 Plugs Top P.H. Baker Btm. _____

Stage Collars _____

Special Equip. 1. 100' Kit

Disp. Fluid Type fresh H₂O Amt. 62 Bbls. Weight 3.4 PPG

Mud Type Native Weight 9.5 PPG

COMPANY REPRESENTATIVE _____

CEMENTER Mike Kicker

| TIME | PRESSURES PSI | | FLUID PUMPED DATA | | | REMARKS | |
|---------|---------------|-------------------|-------------------|-------------|------------------------|---------------------------|---|
| | AM/PM | DRILL PIPE CASING | ANNULUS | TOTAL FLUID | Pumped Per Time Period | | RATE Bbls Min. |
| 5:25 pm | | | | | | Pipe on bottom break line | |
| 5:45 pm | | | 350 | 115 bbl | Slurry | 6 1/2 | Start load cement 325 + 65 356 + 32 cc + 14" oil seal @ 12.8 wsg/H ₂ O |
| 6:00 pm | | | 400 | 36 bbl | Slurry | 6 1/2 | total cement run ch. H ₂ O 32 cc + 2 1/2 gal @ 15.2 wsg/H ₂ O |
| 6:10 pm | | | 100 | | | 5 1/2 | Stop Pump Release Plug Start Displacement. |
| | | | 400 | 38 bbl | | 5 | @ 38 bbl See Cement. 400 psi |
| 6:30 pm | | | 400-600 | 62 bbl | | 5 1/2 | @ 62 bbl Pump plug 400-600 |

70 SX
 CML

FINAL DISP. PRESS: 400 PSI BUMP PLUG TO 600 PSI BLEEDBACK shut-in BBLs. **THANK YOU**

ORIGINAL

ALLIED CEMENTING CO., INC. 14100

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

SERVICE POINT: Med Lodge, KS

| | | | | | | | |
|-------------------------|--------------------|---|------------------|------------------------|-------------------------|-----------------------|------------------------|
| DATE <u>12-17-03</u> | SEC. <u>17</u> | TWP. <u>35s</u> | RANGE <u>15w</u> | CALLED OUT <u>3 pm</u> | ON LOCATION <u>4 pm</u> | JOB START <u>5 pm</u> | JOB FINISH <u>6 pm</u> |
| LEASE <u>Brass</u> | WELL # <u>2-17</u> | LOCATION <u>May Ranch Airport Jc, N. into</u> | | | COUNTY <u>Barber</u> | STATE <u>KS</u> | |
| OLD OR NEW (Circle one) | | | | | | | |

CONTRACTOR Duke S
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4" T.D. 1015'
 CASING SIZE 8 1/2" 24.00 DEPTH 1013'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2" DEPTH 1015'
 TOOL _____ DEPTH _____
 PRES. MAX 600 MINIMUM 50
 MEAS. LINE _____ SHOE JOINT 42.98
 CEMENT LEFT IN CSG. 42.98
 PERFS. _____
 DISPLACEMENT 62 bbl fresh H₂O

OWNER Clary Petroleum
 CEMENT
 AMOUNT ORDERED 325 sx 65:35:6 + 3% cc + 4 1/2" No-Seal 150 sx Class H + 3% cc + 2% gel

EQUIPMENT
 PUMP TRUCK CEMENTER Mike Rucker
 # 352 HELPER Jane D. O
 BULK TRUCK
 # 364 DRIVER Darin Franklin
 BULK TRUCK
 # 353 DRIVER Bill Meadoo

COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING _____ @ _____
 MILEAGE _____ @ _____

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REMARKS:
5 1/2" Pipe on bottom, break Circ. 5 1/2" Start lead
Cement 325 sx 65:35:6 + 3% cc + 4 1/2" No-Seal @ 12.8 weight.
with 350 psi. 6" Start tail Cement 150 sx Class H
+ 3% cc + 2% gel @ 15.7 weight. with 400 psi. 6" pm
Stop Pumps Release Plug Start Disp. 100 psi @ 38 bbl
See Cement 400 psi. 6" pm @ 62 bbl Pump
plug 400-600 shut-in. Cement did Circulate
Circ. 25 bbl to pit

DEPTH OF JOB 1013
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE _____ @ _____
 MILEAGE _____ @ _____
 PLUG Top Rubber Plug _____ @ _____
 _____ @ _____
 _____ @ _____

CHARGE TO: Clary Petroleum
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT
3 1/2" Gemaco _____ @ _____
1- Barfl6 Plate _____ @ _____
3- Centralizers _____ @ _____
1- Basket _____ @ _____
 _____ @ _____

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

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

SIGNATURE W.R.K.H.

David Kortschman
 PRINTED NAME