

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

API NO. 15- 195-22179 0000

County Trego County, Kansas

SW - SW - SE - Sec. 20 Twp. 11S Rge. 22 XX<sup>E</sup>

330 Feet from S/W (circle one) Line of Section

2310 Feet from E/W (circle one) Line of Section

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

Lease Name Uhrich Well # 1

Field Name \_\_\_\_\_

Producing Formation N/A

Elevation: Ground 2361 KB 2370

Total Depth 4080' PBTD 4050'

Amount of Surface Pipe Set and Cemented at 218.82 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cat.

Drilling Fluid Management Plan ACT II D's A  
(Data must be collected from the Reserve Pit) 6-11-97 D/w

Chloride content 1,900 ppm Fluid volume 632 bbls

Dewatering method used evaporation

Disposition of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter Sec. Twp. S Rng. E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

Operator: License # 4767

Name: Ritchie Exploration, Inc.

Address 125 North Market - Suite 1000

City/State/Zip Wichita, KS 67202

Purchaser: \_\_\_\_\_

Operator Contact Person: Lisa Thimmesch

Phone (316) 267-4375

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Bob Mathiesen

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: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back \_\_\_\_\_ PBTD  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

07-22-96 07-29-96 07-29-96  
Spud Date Date Reached TD Completion Date

RELEASED  
10-6-1998  
OCT 6 1998

FROM CONFIDENTIAL

PLEASE KEEP THIS INFORMATION CONFIDENTIAL  
AUG 28 8-28  
CONFIDENTIAL  
OPERATOR'S OFFICE  
1000 COLORADO DERBY BUILDING  
WICHITA, KANSAS 67202  
855-940-2222

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 1000 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-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 [Signature]  
Title President Date 8/28/96

Subscribed and sworn to before me this 28<sup>th</sup> day of August 1996.

Notary Public Lisa Thimmesch

Date Commission Expires \_\_\_\_\_

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



Operator Name Ritchie Exploration, Inc.

Lease Name Uhrich Well # \_\_\_\_\_

Sec. 20 Twp. 11S Rge. 22  
 East  
 West

County Trego County, Kansas

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:

Radiation Guard Log

| CASING RECORD <input type="checkbox"/> New <input checked="" 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"                    | 28#             | 218.82'       | 60/40 Poz      | 150          | 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-Dil 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 \_\_\_\_\_

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15-195-22179-00-00

ORIGINAL

RITCHIE EXPLORATION, INC.

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

#1 Uhrich  
SW SW SE  
Section 20-11S-22W  
Trego County, Kansas  
API# 15-195-22,179  
Elevation: 2361' GL, 2370' KB.

CONFIDENTIAL

Log Tops

|           |              |
|-----------|--------------|
| Anhydrite | 1820'(+ 550) |
| B/Anhy    | 1867'(+ 503) |
| Topeka    | 3384'(-1014) |
| Heebner   | 3598'(-1228) |
| Toronto   | 3620'(-1250) |
| Lansing   | 3634'(-1264) |
| B/KC      | 3862'(-1266) |
| Marmaton  | 3953'(-1583) |
| Arbuckle  | 4062'(-1692) |
| LTD       | 4081'(-1711) |

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10-6-1998  
OCT 6 1998

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DST #1 from 3595' to 3650' (Toronto and L/KC Top zone). Recovered 5' of mud with a few oil spots.  
IFP:37-37#/30"; ISIP:606#/30";  
FFP:37-37#/30"; FSIP:553#/30";

DST #2 from 3655' to 3704' (L/KC 35' and 50' zones). Recovered 505' of muddy water.  
IFP:52-119#/30"; ISIP:545#/30";  
FFP:172-225#/30"; FSIP:537#/30";

DST #3 from 3697' to 3717' (L/KC 70' zone). Recovered 1' of mud.  
IFP:15-15#; ISIP:15#.  
Note: No other pressures were recorded. The tool did not open on the final flow period.

DST #4 from 3760' to 3866' (L/KC 140' zone to 220' zone). Recovered 10' of mud.  
IFP:22-22#/30"; ISIP:644#/30";  
FFP:22-22#/30"; FSIP:568#/30";

DST #5 from 3957' to 4000' (Marmaton). Recovered 15' of clean oil and 25' of muddy oil (75% oil, 25% mud).  
IFP:15-22#/30"; ISIP:1160#/45";  
FFP:30-30#/30"; FSIP:1153#/45";

RECEIVED  
KANSAS  
8-30-1998  
A.M. 5:30

15-195-2279-00-00

# ALLIED CEMENTING CO., INC. 7384

**CONFIDENTIAL**

**ORIGINAL**

SERVICE POINT:

Russell

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

|                     |                   |   |                   |                           |                            |                          |                            |
|---------------------|-------------------|---|-------------------|---------------------------|----------------------------|--------------------------|----------------------------|
| DATE <u>7-29-96</u> | SECTION <u>20</u> | TWP. <u>11 S</u>                            | RANGE <u>22 W</u> | CALLED OUT <u>3:45 PM</u> | ON LOCATION <u>5:15 PM</u> | JOB START <u>6:30 PM</u> | JOB FINISH <u>10:00 PM</u> |
| LEASE <u>HRICH</u>  | WELL # <u>1</u>   | LOCATION <u>Ogallah 3N 2W 3 1/2 N 3/4 W</u> |                   | COUNTY <u>Trego</u>       | STATE <u>KANSAS</u>        |                          |                            |

OLD OR NEW (Circle one)

CONTRACTOR DUKE DRIG Rig # 4

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8 T.D. 4080'

CASING SIZE 8 5/8 SURFACE DEPTH 218'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE 4 1/2 X H DEPTH 4030'

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

OWNER \_\_\_\_\_

CEMENT

AMOUNT ORDERED 2.15 SK 69 40 6 2/3 GEL

Y4 # FID-SEAL

Per SK

|                 |             |            |               |
|-----------------|-------------|------------|---------------|
| COMMON          | 129 @       | 610        | 786.90        |
| POZMIX          | 86 @        | 315        | 270.90        |
| GEL             | 11 @        | 950        | 104.50        |
| CHLORIDE        | @           |            |               |
| <u>Flo Seal</u> | <u>54 @</u> | <u>115</u> | <u>62.10</u>  |
|                 | @           |            |               |
|                 | @           |            |               |
|                 | @           |            |               |
| HANDLING        | @           | 105        | 225.75        |
| MILEAGE         | <u>35m</u>  | <u>04</u>  | <u>301.00</u> |

**EQUIPMENT**

PUMP TRUCK CEMENTER Al

# 177 HELPER Will

BULK TRUCK DRIVER Joan

# 160

BULK TRUCK DRIVER \_\_\_\_\_

# \_\_\_\_\_

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OCT 6 1998

10-6-1998

TOTAL 1751.15

FROM CONFIDENTIAL

**REMARKS:**

25 SK @ 4030'

25 SK @ 1850'

100 SK @ 990'

40 SK @ 270'

10 SK @ 40' Plug

15 SK @ RAT Hole

Shurlock

**SERVICE**

|                              |              |               |
|------------------------------|--------------|---------------|
| DEPTH OF JOB                 |              |               |
| PUMP TRUCK CHARGE            |              | <u>650.00</u> |
| EXTRA FOOTAGE                | @            |               |
| MILEAGE                      | <u>35m @</u> | <u>285.00</u> |
| PLUG <u>1-8 5/8 Dry Hole</u> | @            | <u>23.00</u>  |
|                              | @            |               |
|                              | @            |               |
|                              | @            |               |
| TOTAL                        |              | <u>672.75</u> |

CHARGE TO: PITCHIE EXPLORATION Inc.

STREET 125 N Market, # 1000

CITY Wichita STATE Kan ZIP 67202

**FLOAT EQUIPMENT**

|       |   |  |
|-------|---|--|
|       | @ |  |
|       | @ |  |
|       | @ |  |
|       | @ |  |
|       | @ |  |
| TOTAL |   |  |

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 Rob Wheeler

# ALLIED CEMENTING CO., INC. 7377

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

## CONFIDENTIAL ORIGINAL SERVICE POINT

*Russell*

|                     |                    |  |                   |                           |                            |                          |                           |
|---------------------|--------------------|--|-------------------|---------------------------|----------------------------|--------------------------|---------------------------|
| DATE <u>7-22-96</u> | SECRETED <u>20</u> | TWP. <u>11 S</u>                             | RANGE <u>22 W</u> | CALLED OUT <u>2:00 PM</u> | ON LOCATION <u>3:30 PM</u> | JOB START <u>5:00 PM</u> | JOB FINISH <u>5:30 AM</u> |
| LEASE <u>Unrich</u> | WELL # <u>1</u>    | LOCATION <u>OGALLALA 3N 2W 2 1/2 N 3/4 W</u> |                   |                           | COUNTY <u>Trego</u>        | STATE <u>KANSAS</u>      |                           |

OLD OR NEW (Circle one)

CONTRACTOR Duke Drilling Rig # 4 OWNER \_\_\_\_\_

TYPE OF JOB SURFACE CEMENT

HOLE SIZE 12 1/4 T.D. 220'

CASING SIZE 8 5/8 USED 28" DEPTH 218' AMOUNT ORDERED 150 SK 60/70 220 Gel

TUBING SIZE \_\_\_\_\_ DEPTH 390 CC

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

|                                   |                  |                   |                |               |
|-----------------------------------|------------------|-------------------|----------------|---------------|
| PRES. MAX _____                   | MINIMUM _____    | COMMON <u>90</u>  | @ <u>6.10</u>  | <u>549.00</u> |
| MEAS. LINE _____                  | SHOE JOINT _____ | POZMIX <u>60</u>  | @ <u>3.15</u>  | <u>189.00</u> |
| CEMENT LEFT IN CSG: <u>1 1/2'</u> | <u>13</u> BBL    | GEL <u>3</u>      | @ <u>9.50</u>  | <u>28.50</u>  |
| PERFS. _____                      | _____            | CHLORIDE <u>4</u> | @ <u>28.00</u> | <u>112.00</u> |

EQUIPMENT

PUMP TRUCK CEMENTER \_\_\_\_\_

# 177 HELPER Paul

BULK TRUCK \_\_\_\_\_

# 213 DRIVER Jason

BULK TRUCK \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

RELEASED  
10-6-1998  
OCT 8 1998

FROM HANDLING  
MILEAGE 35

8-28  
AUG 28

CONFIDENTIAL

TOTAL 1246.00

REMARKS:

*Cement Circulated*

|                                   |               |
|-----------------------------------|---------------|
| DEPTH OF JOB _____                |               |
| PUMP TRUCK CHARGE _____           | <u>445.00</u> |
| EXTRA FOOTAGE _____ @ _____       |               |
| MILEAGE <u>35</u> @ <u>2.85</u>   | <u>99.75</u>  |
| PLUG <u>1-8 5/8 Woody</u> @ _____ | <u>25.00</u>  |
| _____ @ _____                     |               |
| _____ @ _____                     |               |
| TOTAL                             | <u>589.75</u> |

CHARGE TO: PITCHIE EXPLORATION Inc.

STREET 125 N Market, ST. #1000

CITY Wichita STATE Kan ZIP 67202

FLOAT EQUIPMENT

|               |       |
|---------------|-------|
| _____ @ _____ |       |
| _____ @ _____ |       |
| _____ @ _____ |       |
| _____ @ _____ |       |
| _____ @ _____ |       |
| TOTAL         | _____ |

TAX \_\_\_\_\_ TOTAL CHARGE \_\_\_\_\_

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 Rob Wheeler

15-195-22179-00-00 ORIGINAL

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WELL NAME: Uhrich #1  
COMPANY: Ritchie Exploration  
LOCATION: 20-11S-22W  
Trego County Kansas  
DATE: 07/28/96

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10-6-1998  
OCT 6 1998

FROM CONFIDENTIAL

15-195-22179-00-00

TRILOBITE TESTING L.L.C.

OPERATOR : Ritchie Exploration  
 WELL NAME: Uhrich #1  
 LOCATION : 20-11S-22W, Trego Cty KS  
 INTERVAL : 3595.00 To 3650.00 ft

DATE 07/26/96

KB 2370.00 ft TICKET NO: 9422 DST #1  
 GR 2361.00 ft FORMATION: Toronto / LKC A  
 TD 3650.00 ft TEST TYPE: CONV

RECORDER DATA

| Mins              | Field  | 1      | 2      | 3   | 4   | TIME DATA-----         |
|-------------------|--------|--------|--------|-----|-----|------------------------|
| PF 30 Rec.        | 24174  | 24174  | 10992  |     |     | PF Fr. 1124 to 1154 hr |
| SI 30 Range(Psi ) | 3050.0 | 3050.0 | 4250.0 | 0.0 | 0.0 | IS Fr. 1154 to 1224 hr |
| SF 30 Clock(hrs)  | 12     | 12     | 12     |     |     | SF Fr. 1224 to 1254 hr |
| FS 30 Depth(ft )  | 3599.0 | 3599.0 | 3645.0 | 0.0 | 0.0 | FS Fr. 1254 to 1324 hr |

|                | Field  | 1      | 2   | 3   | 4   |                   |
|----------------|--------|--------|-----|-----|-----|-------------------|
| A. Init Hydro  | 1734.0 | 1734.0 | 0.0 | 0.0 | 0.0 | T STARTED 0952 hr |
| B. First Flow  | 37.0   | 40.0   | 0.0 | 0.0 | 0.0 | T ON BOTM 1122 hr |
| B1. Final Flow | 37.0   | 40.0   | 0.0 | 0.0 | 0.0 | T OPEN 1124 hr    |
| C. In Shut-in  | 606.0  | 605.0  | 0.0 | 0.0 | 0.0 | T PULLED 1324 hr  |
| D. Init Flow   | 37.0   | 47.0   | 0.0 | 0.0 | 0.0 | T OUT 1441 hr     |
| E. Final Flow  | 37.0   | 47.0   | 0.0 | 0.0 | 0.0 |                   |
| F. Fl Shut-in  | 553.0  | 559.0  | 0.0 | 0.0 | 0.0 |                   |
| G. Final Hydro | 1719.0 | 1724.0 | 0.0 | 0.0 | 0.0 |                   |
| Inside/Outside | I      | I      | O   |     |     |                   |

TOOL DATA-----  
 Tool Wt. 2400.00 lbs  
 Wt Set On Packer 28000.00 lbs  
 Wt Pulled Loose 80000.00 lbs  
 Initial Str Wt 48000.00 lbs  
 Unseated Str Wt 48000.00 lbs  
 Bot Choke 0.75 in  
 Hole Size 7.88 in  
 D Col. ID 2.25 in  
 D. Pipe ID 3.80 in  
 D.C. Length 0.00 ft  
 D.P. Length 3595.00 ft

RECOVERY

Tot Fluid 5.00 ft of 0.00 ft in DC and 5.00 ft in DP  
 5.00 ft of Mud with few oil specks

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -  
 Weak surface blow, died in 4 min  
 Final Flow -  
 No blow, flushed tool, no blow after surge

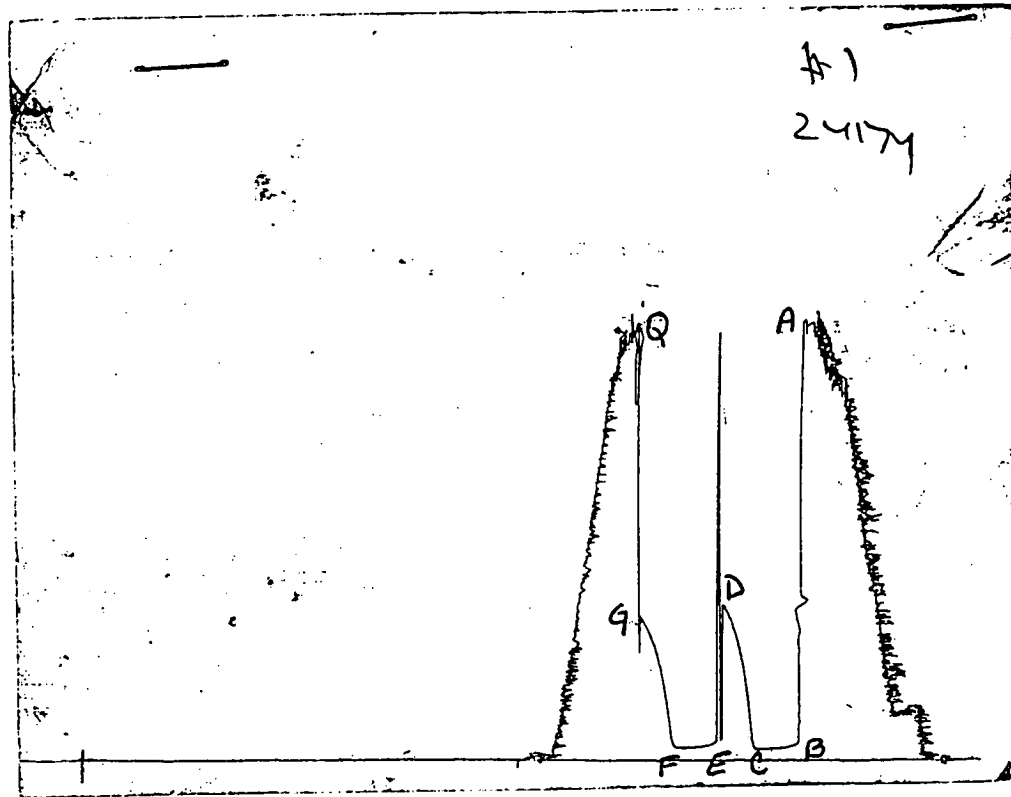
MUD DATA-----  
 Mud Type Chemical  
 Weight 9.00 lb/c  
 Vis. 46.00 S/L  
 W.L. 8.00 in3  
 F.C. 0.00 in  
 Mud Drop  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 102.00 F  
 Hole Condition  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00  
 Cushion Type  
 Reversed Out  
 Tool Chased  
 Tester Paul Simpson  
 Co. Rep. Jeff Christian  
 Contr. Duke  
 Rig # 4  
 Unit #  
 Pump T.

SAMPLES:

SENT TO:

Test Successful: Y

CHART PAGE



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

15-195-22179-00-00



15-195-22179-00-00

\*\*\* TOOL DIAGRAM \*\*\* CONV

WELL NAME: Uhrich #1

LOCATION : 20-11S-27W, Trego Cty KS

TICKET No. 9423 D.S.T. No. 2 DATE 07/27/96

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 21

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 17

TOTAL TOOL ..... 38

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY ..... 69

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands59 Single Total 3659

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3728

TOTAL DEPTH ..... 3704

TOTAL DRILL PIPE ABOVE K.B. .... 24

REMARKS:

|                       |      |
|-----------------------|------|
| P.O. SUB              |      |
| C.O. SUB              | 3635 |
| S.I. TOOL             | 3641 |
|                       |      |
| HMV                   | 3646 |
| JARS N/A              |      |
|                       |      |
| SAFETY JOINT N/A      |      |
| PACKER                | 3650 |
| PACKER                | 3655 |
| DEPTH 3655            |      |
| STUBB                 | 3656 |
| ANCHOR                |      |
| AK-1 recorder         | 3658 |
| jt pipe               |      |
| perf                  |      |
| T.C.                  |      |
| DEPTH                 |      |
| AK-1 recorder         | 3699 |
|                       |      |
| BULLNOSE 5' bull plug |      |
| T.D.                  | 3704 |

15-195-22179-00-00

TRILOBITE TESTING L.L.C.

OPERATOR : Ritchie Exploration  
 WELL NAME: Uhrich #1  
 LOCATION : 20-11S-27W, Trego Cty KS  
 INTERVAL : 3655.00 To 3704.00 ft

DATE 07/27/96

KB 2370.00 ft TICKET NO: 9423 DST #2  
 GR 2361.00 ft FORMATION: LKC 35-50 zone  
 TD 3704.00 ft TEST TYPE: CONV

RECORDER DATA

| Mins              | Field  | 1      | 2      | 3   | 4   | TIME DATA-----         |
|-------------------|--------|--------|--------|-----|-----|------------------------|
| PF 30 Rec.        | 24174  | 24174  | 10992  |     |     | PF Fr. 0056 to 0126 hr |
| SI 30 Range(Psi ) | 3050.0 | 3050.0 | 4250.0 | 0.0 | 0.0 | IS Fr. 0126 to 0156 hr |
| SF 30 Clock(hrs)  | 12     | 12     | 12     |     |     | SF Fr. 0156 to 0226 hr |
| FS 30 Depth(ft )  | 3658.0 | 3658.0 | 3699.0 | 0.0 | 0.0 | FS Fr. 0226 to 0256 hr |

|                | Field  | 1      | 2   | 3   | 4   |                   |
|----------------|--------|--------|-----|-----|-----|-------------------|
| A. Init Hydro  | 1788.0 | 1768.0 | 0.0 | 0.0 | 0.0 | T STARTED 2356 hr |
| B. First Flow  | 52.0   | 62.0   | 0.0 | 0.0 | 0.0 | T ON BOTM 0054 hr |
| B1. Final Flow | 119.0  | 127.0  | 0.0 | 0.0 | 0.0 | T OPEN 0056 hr    |
| C. In Shut-in  | 545.0  | 543.0  | 0.0 | 0.0 | 0.0 | T PULLED 0256 hr  |
| D. Init Flow   | 172.0  | 187.0  | 0.0 | 0.0 | 0.0 | T OUT 0352 hr     |
| E. Final Flow  | 225.0  | 228.0  | 0.0 | 0.0 | 0.0 |                   |
| F. Fl Shut-in  | 537.0  | 537.0  | 0.0 | 0.0 | 0.0 |                   |
| G. Final Hydro | 1781.0 | 1778.0 | 0.0 | 0.0 | 0.0 |                   |
| Inside/Outside | I      | I      | O   |     |     |                   |

TOOL DATA-----  
 Tool Wt. 2400.00 lbs  
 Wt Set On Packer 25000.00 lbs  
 Wt Pulled Loose 64000.00 lbs  
 Initial Str Wt 48000.00 lbs  
 Unseated Str Wt 54000.00 lbs  
 Bot Choke 0.75 in  
 Hole Size 7.88 in  
 D Col. ID 2.25 in  
 D. Pipe ID 3.80 in  
 D.C. Length 0.00 ft  
 D.P. Length 3659.00 ft

RECOVERY

Tot Fluid 505.00 ft of 0.00 ft in DC and 505.00 ft in DP  
 105.00 ft of Mud - 100% mud  
 220.00 ft of Watery mud - 30% water, 70% mud  
 180.00 ft of Muddy water - 90% water, 10% mud

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -  
 .5" blow building to bottom of bucket  
 in 12 minutes

Final Flow -  
 Surface blow building to bottom of  
 bucket in 20 minutes

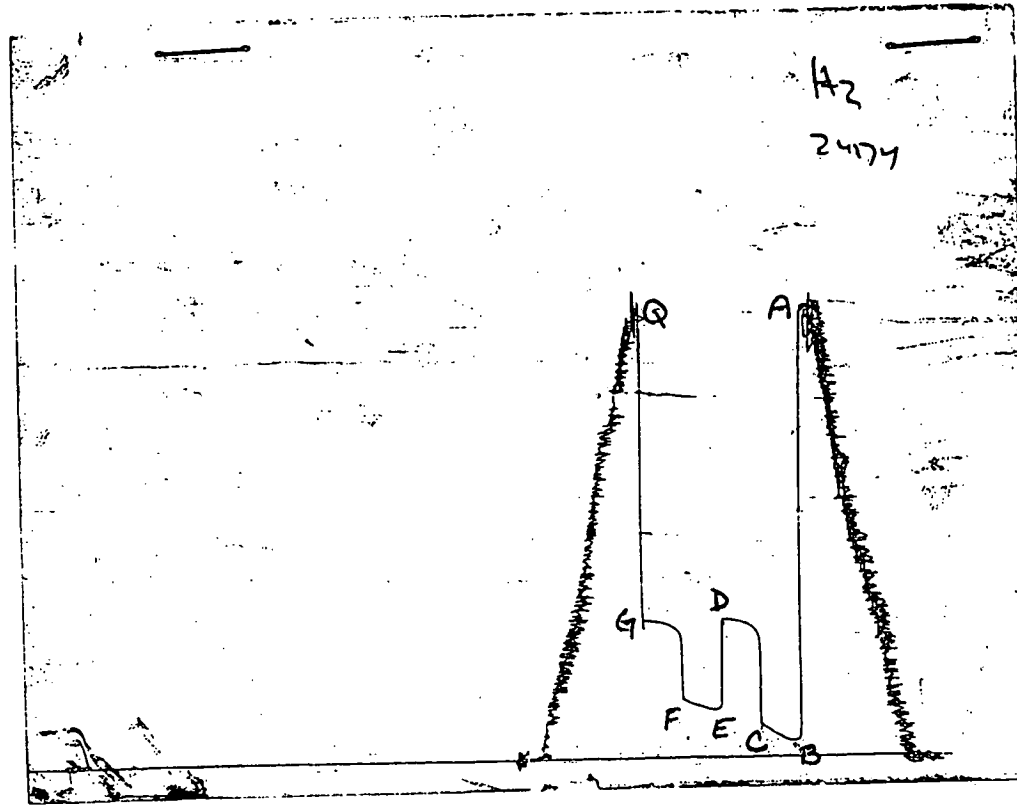
Final Shutin -  
 No blow

SAMPLES:  
 SENT TO:

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.00 lb/c  
 Vis. 44.00 S/L  
 W.L. 8.40 in3  
 F.C. 0.00 in  
 Mud Drop  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 0.00 F  
 Hole Condition  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00  
 Cushion Type  
 Reversed Out  
 Tool Chased  
 Tester Paul Simpson  
 Co. Rep. Jeff Christian  
 Contr. Duke  
 Rig # 4  
 Unit #  
 Pump T.

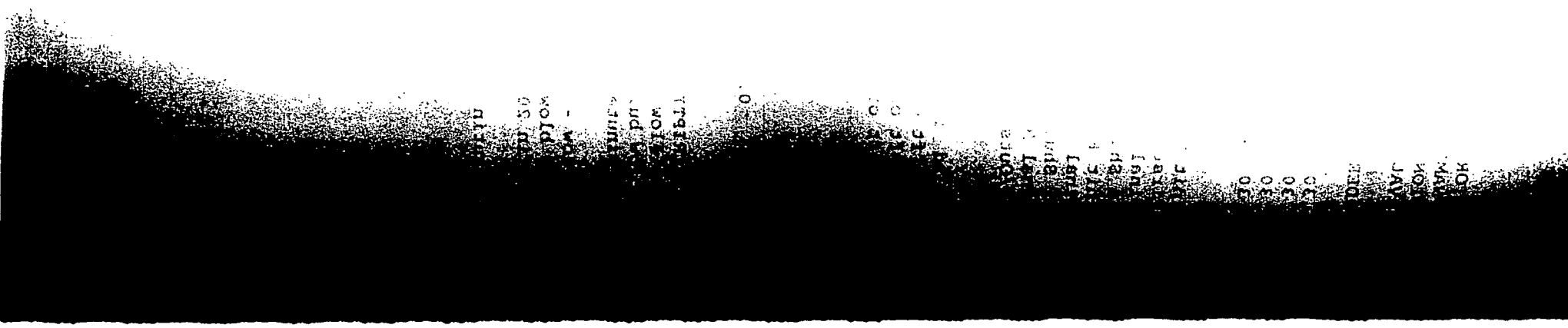
Test Successful: Y

CHART PAGE



15-195-22179-00-00

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15-195-22179-00-00

\*\*\* TOOL DIAGRAM \*\*\* CONV

WELL NAME: Uhrich #1

LOCATION : 20-11S-22W, Trego Cty KS

TICKET No. 9422 D.S.T. No. 1 DATE 07/26/96

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 21

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 23

TOTAL TOOL ..... 44

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY ..... 75

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands58 Single Total 3595

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3670

TOTAL DEPTH ..... 3650

TOTAL DRILL PIPE ABOVE K.B. .... 20

REMARKS:

|                       |      |
|-----------------------|------|
| P.O. SUB              |      |
| C.O. SUB              | 3575 |
| S.I. TOOL             | 3581 |
| HMV                   | 3586 |
| JARS N/A              |      |
| SAFETY JOINT N/A      |      |
| PACKER                | 3590 |
| PACKER                | 3595 |
| DEPTH 3595            |      |
| STUBB                 | 3596 |
| ANCHOR perf           |      |
| AK-1 recorder         | 3599 |
| jt pipe               |      |
| T.C. DEPTH            |      |
| perf                  |      |
| AK-1 recorder         | 3645 |
| BULLNOSE 5' bull plug |      |
| T.D.                  | 3650 |

15-195-22179-00-00

TRILOBITE TESTING L.L.C.

OPERATOR : Ritchie Exploration  
WELL NAME: Uhrich #1  
LOCATION : 20-11S-22W, Trego Cty KS  
INTERVAL : 3697.00 To 3717.00 ft

DATE 07/27/96  
KB 2370.00 ft TICKET NO: 9424 DST #3  
GR 2361.00 ft FORMATION: LKC 70 Zone  
TD 3717.00 ft TEST TYPE: CONV

RECORDER DATA

| Mins              | Field  | 1      | 2      | 3   | 4   | TIME DATA-----         |
|-------------------|--------|--------|--------|-----|-----|------------------------|
| PF 30 Rec.        | 24174  | 24174  | 10992  |     |     | PF Fr. 1137 to 1207 hr |
| SI 30 Range(Psi ) | 3050.0 | 3050.0 | 4250.0 | 0.0 | 0.0 | IS Fr. 1207 to 1237 hr |
| SF 0 Clock(hrs)   | 12     | 12     | 12     |     |     | SF Fr. to hr           |
| FS 0 Depth(ft )   | 3699.0 | 3699.0 | 3712.0 | 0.0 | 0.0 | FS Fr. to hr           |

|                | Field  | 1      | 2   | 3   | 4   |                   |
|----------------|--------|--------|-----|-----|-----|-------------------|
| A. Init Hydro  | 1757.0 | 1764.0 | 0.0 | 0.0 | 0.0 | T STARTED 1039 hr |
| B. First Flow  | 15.0   | 4.0    | 0.0 | 0.0 | 0.0 | T ON BOTM 1135 hr |
| B1. Final Flow | 15.0   | 4.0    | 0.0 | 0.0 | 0.0 | T OPEN 1137 hr    |
| C. In Shut-in  | 15.0   | 4.0    | 0.0 | 0.0 | 0.0 | T PULLED 1337 hr  |
| D. Init Flow   | 0.0    | 0.0    | 0.0 | 0.0 | 0.0 | T OUT 1439 hr     |
| E. Final Flow  | 0.0    | 0.0    | 0.0 | 0.0 | 0.0 |                   |
| F. Fl Shut-in  | 0.0    | 0.0    | 0.0 | 0.0 | 0.0 |                   |
| G. Final Hydro | 1727.0 | 1735.0 | 0.0 | 0.0 | 0.0 |                   |
| Inside/Outside | I      | I      | O   |     |     |                   |

TOOL DATA-----

|                  |              |
|------------------|--------------|
| Tool Wt.         | 1400.00 lbs  |
| Wt Set On Packer | 25000.00 lbs |
| Wt Pulled Loose  | 0.00 lbs     |
| Initial Str Wt   | 49000.00 lbs |
| Unseated Str Wt  | 0.00 lbs     |
| Bot Choke        | 0.75 in      |
| Hole Size        | 7.88 in      |
| D Col. ID        | 2.25 in      |
| D. Pipe ID       | 3.80 in      |
| D.C. Length      | 0.00 ft      |
| D.P. Length      | 3690.00 ft   |

RECOVERY

Tot Fluid 1.00 ft of 0.00 ft in DC and 1.00 ft in DP  
1.00 ft of Mud

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -  
Weak .25" blow, decreasing & died in  
20 min

Final Flow -  
No blow, flushed tool

SAMPLES:

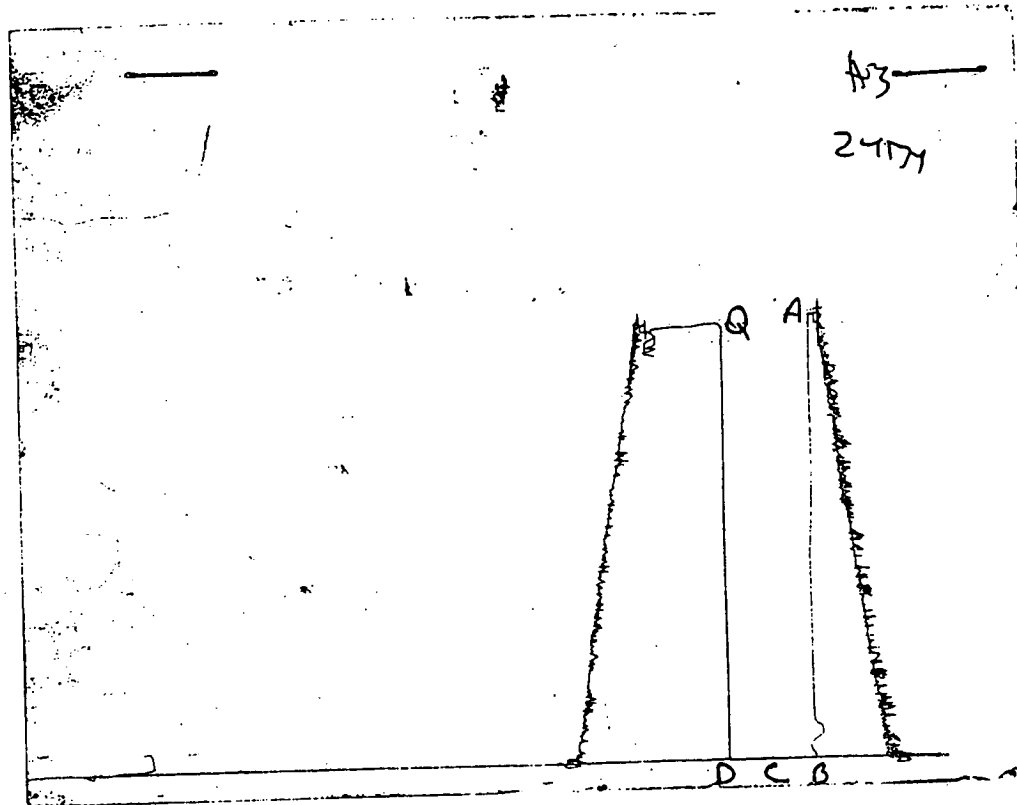
SENT TO:

MUD DATA-----

|                |                |
|----------------|----------------|
| Mud Type       | Chemical       |
| Weight         | 9.10 lb/c      |
| Vis.           | 46.00 S/L      |
| W.L.           | 8.80 in3       |
| F.C.           | 0.00 in        |
| Mud Drop       |                |
| Amt. of fill   | 0.00 ft        |
| Btm. H. Temp.  | 98.00 F        |
| Hole Condition |                |
| % Porosity     | 0.00           |
| Packer Size    | 6.75 in        |
| No. of Packers | 2              |
| Cushion Amt.   | 0.00           |
| Cushion Type   |                |
| Reversed Out   |                |
| Tool Chased    |                |
| Tester         | Paul Simpson   |
| Co. Rep.       | Jeff Christian |
| Contr.         | Duke           |
| Rig #          | 4              |
| Unit #         |                |
| Pump T.        |                |

Test Successful: Y

CHART PAGE



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15-195-22179-00-00

15-195-22179-00-00

\*\*\* TOOL DIAGRAM \*\*\* CONV

WELL NAME: Uhrich #1

LOCATION : 20-11S-22W, Trego Cty KS

TICKET No. 9424 D.S.T. No. 3 DATE 07/27/96

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 16

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 19

TOTAL TOOL ..... 35

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY ..... 35

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands 59 Single 1 Total 3690

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3725

TOTAL DEPTH ..... 3717

TOTAL DRILL PIPE ABOVE K.B. .... 8

REMARKS:

|                       |      |
|-----------------------|------|
| P.O. SUB              |      |
| C.O. SUB              | 3682 |
| S.I. TOOL             | 3688 |
| HMV                   | 3693 |
| JARS N/A              |      |
| SAFETY JOINT N/A      |      |
| PACKER                | 3697 |
| DEPTH 3697            |      |
| STUBB                 | 3698 |
| ANCHOR                |      |
| AK-1 recorder         | 3699 |
| perf                  |      |
| T.C. DEPTH            |      |
| AK-1 recorder         | 3712 |
| BULLNOSE 5' bull plug |      |
| T.D.                  | 3717 |

15-195-22179-00-00

TRILOBITE TESTING L.L.C.

OPERATOR : Ritchie Exploration  
 WELL NAME: Uhrich #1  
 LOCATION : 20-11S-22W, Trego Cty KS  
 INTERVAL : 3760.00 To 3866.00 ft

DATE 07/28/96

KB 2370.00 ft TICKET NO: 9425 DST #4  
 GR 2361.00 ft FORMATION: LKC "H-L"  
 TD 3866.00 ft TEST TYPE: CONV

RECORDER DATA

| Mins  |              | Field  | 1      | 2      | 3     | 4   | TIME DATA-----         |
|-------|--------------|--------|--------|--------|-------|-----|------------------------|
| PF 30 | Rec.         |        | 24174  | 24174  | 10992 |     | PF Fr. 0631 to 0701 hr |
| SI 30 | Range (Psi ) | 3050.0 | 3050.0 | 4250.0 | 0.0   | 0.0 | IS Fr. 0701 to 0731 hr |
| SF 30 | Clock (hrs)  |        | 12     | 12     | 12    |     | SF Fr. 0731 to 0801 hr |
| FS 30 | Depth (ft )  | 3762.0 | 3762.0 | 3861.0 | 0.0   | 0.0 | FS Fr. 0801 to 0831 hr |

|     |                | Field  | 1      | 2   | 3   | 4   |                           |
|-----|----------------|--------|--------|-----|-----|-----|---------------------------|
| A.  | Init Hydro     | 1842.0 | 1869.0 | 0.0 | 0.0 | 0.0 | T STARTED 0534 hr         |
| B.  | First Flow     | 22.0   | 23.0   | 0.0 | 0.0 | 0.0 | T ON BOTM 0628 hr         |
| Bl. | Final Flow     | 22.0   | 23.0   | 0.0 | 0.0 | 0.0 | T OPEN 0631 hr            |
| C.  | In Shut-in     | 644.0  | 647.0  | 0.0 | 0.0 | 0.0 | T PULLED 0831 hr          |
| D.  | Init Flow      | 22.0   | 23.0   | 0.0 | 0.0 | 0.0 | T OUT 0932 hr             |
| E.  | Final Flow     | 22.0   | 23.0   | 0.0 | 0.0 | 0.0 |                           |
| F.  | Fl Shut-in     | 568.0  | 576.0  | 0.0 | 0.0 | 0.0 | TOOL DATA-----            |
| G.  | Final Hydro    | 1818.0 | 1819.0 | 0.0 | 0.0 | 0.0 | Tool Wt. 2600.00 lbs      |
|     | Inside/Outside | I      | I      | O   |     |     | Wt Set On Packer 0.00 lbs |

RECOVERY

Tot Fluid 10.00 ft of 0.00 ft in DC and 10.00 ft in DP  
 10.00 ft of Mud

Initial Str Wt 0.00 lbs  
 Unseated Str Wt 0.00 lbs  
 Bot Choke 0.75 in  
 Hole Size 7.88 in  
 D Col. ID 2.25 in  
 D. Pipe ID 3.80 in  
 D.C. Length 0.00 ft  
 D.P. Length 3751.00 ft

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -  
 .5" blow decreasing & died in 18 min  
 Final Flow -  
 No blow

MUD DATA-----

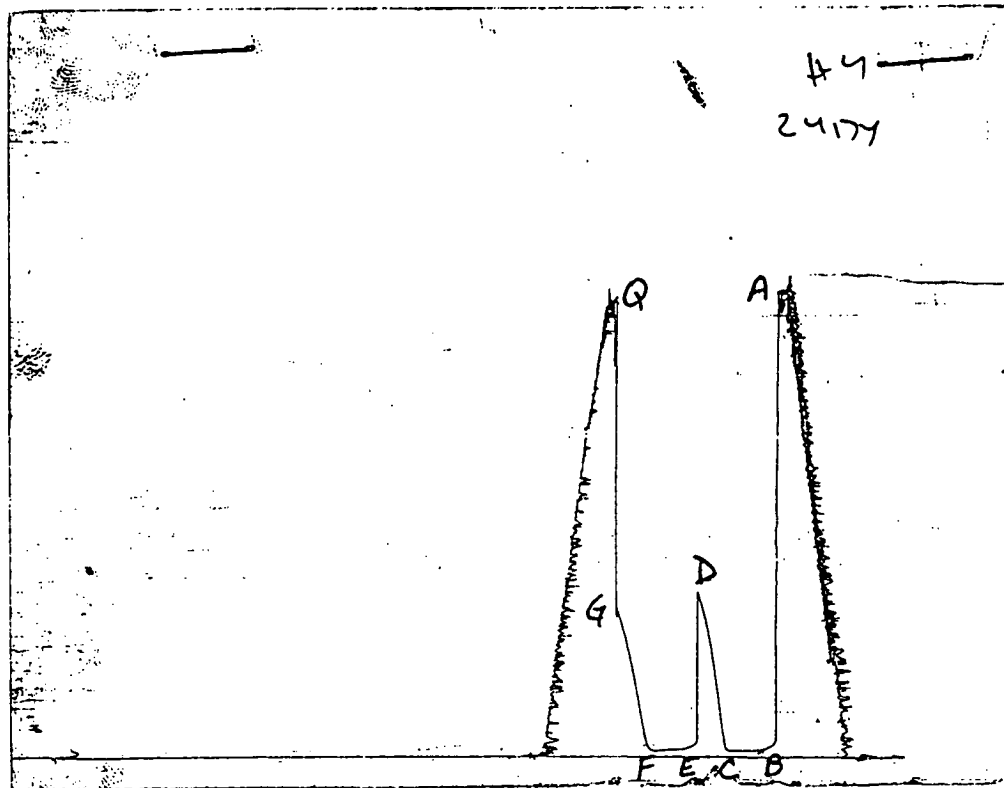
Mud Type Chemical  
 Weight 9.10 lb/  
 Vis. 46.00 S/L  
 W.L. 8.00 in3  
 F.C. 0.00 in  
 Mud Drop  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 106.00 F  
 Hole Condition  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00  
 Cushion Type  
 Reversed Out  
 Tool Chased  
 Tester Paul Simpson  
 Co. Rep. Jeff Christian  
 Contr. Duke  
 Rig # 4  
 Unit #  
 Pump T.

SAMPLES:  
 SENT TO:

Test Successful: Y



CHART PAGE



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15-195-22179-00-00

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15-195-22179-00-00

\*\*\* TOOL DIAGRAM \*\*\* CONV

WELL NAME: Uhrich #1

LOCATION : 20-11S-22W, Trego Cty KS

TICKET No. 9425 D.S.T. No. 4 DATE 07/28/96

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 21

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 12

TOTAL TOOL ..... 33

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 1 Single 1 Total 93

TOTAL ASSEMBLY ..... 126

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands60 Single 1 Total 3751

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3877

TOTAL DEPTH ..... 3866

TOTAL DRILL PIPE ABOVE K.B. .... 11

REMARKS:

|                       |      |
|-----------------------|------|
| P.O. SUB              |      |
| C.O. SUB              | 3740 |
| S.I. TOOL             | 3746 |
| HMV                   | 3751 |
| JARS N/A              |      |
| SAFETY JOINT N/A      |      |
| PACKER                | 3755 |
| PACKER                | 3760 |
| DEPTH 3760            |      |
| STUBB                 | 3761 |
| ANCHOR                |      |
| AK-1 recorder         | 3762 |
| 1 std & 1 jt pipe     |      |
| T.C.                  |      |
| DEPTH                 |      |
| perf                  |      |
| AK-1 recorder         | 3861 |
| BULLNOSE 5' bull plug |      |
| T.D.                  | 3866 |

15-195-22179-00-00

TRILOBITE TESTING L.L.C.

OPERATOR : Ritchie Exploration  
 WELL NAME: Uhrich #1  
 LOCATION : 20-11S-22W, Trego Cty KS  
 INTERVAL : 3957.00 To 4000.00 ft

DATE 4000  
 KB 2370.00 ft  
 GR 2361.00 ft  
 TD 4000.00 ft  
 TICKET NO: 9426  
 FORMATION: Marmaton  
 TEST TYPE: CONV  
 DST #5

RECORDER DATA

| Mins              | Field  | 1      | 2      | 3   | 4   | TIME DATA-----         |
|-------------------|--------|--------|--------|-----|-----|------------------------|
| PF 30 Rec.        | 24174  | 24174  | 10992  |     |     | PF Fr. 2248 to 2318 hr |
| SI 45 Range(Psi ) | 3050.0 | 3050.0 | 4250.0 | 0.0 | 0.0 | IS Fr. 2318 to 0003 hr |
| SF 30 Clock(hrs)  | 12     | 12     | 12     |     |     | SF Fr. 0003 to 0033 hr |
| FS 45 Depth(ft )  | 3959.0 | 3959.0 | 3995.0 | 0.0 | 0.0 | FS Fr. 0033 to 0118 hr |

|                | Field  | 1      | 2   | 3   | 4   |                               |
|----------------|--------|--------|-----|-----|-----|-------------------------------|
| A. Init Hydro  | 1973.0 | 1970.0 | 0.0 | 0.0 | 0.0 | T STARTED 2132 hr             |
| B. First Flow  | 15.0   | 19.0   | 0.0 | 0.0 | 0.0 | T ON BOTM 2246 hr             |
| B1. Final Flow | 22.0   | 22.0   | 0.0 | 0.0 | 0.0 | T OPEN 2248 hr                |
| C. In Shut-in  | 1160.0 | 1157.0 | 0.0 | 0.0 | 0.0 | T PULLED 0118 hr              |
| D. Init Flow   | 30.0   | 25.0   | 0.0 | 0.0 | 0.0 | T OUT 0229 hr                 |
| E. Final Flow  | 30.0   | 25.0   | 0.0 | 0.0 | 0.0 |                               |
| F. Fl Shut-in  | 1153.0 | 1153.0 | 0.0 | 0.0 | 0.0 | TOOL DATA-----                |
| G. Final Hydro | 1965.0 | 1954.0 | 0.0 | 0.0 | 0.0 | Tool Wt. 1900.00 lbs          |
| Inside/Outside | I      | I      | O   |     |     | Wt Set On Packer 30000.00 lbs |
|                |        |        |     |     |     | Wt Pulled Loose 80000.00 lbs  |
|                |        |        |     |     |     | Initial Str Wt 52000.00 lbs   |
|                |        |        |     |     |     | Unseated Str Wt 52000.00 lbs  |
|                |        |        |     |     |     | Bot Choke 0.75 in             |
|                |        |        |     |     |     | Hole Size 7.88 in             |
|                |        |        |     |     |     | D Col. ID 2.25 in             |
|                |        |        |     |     |     | D. Pipe ID 3.80 in            |
|                |        |        |     |     |     | D.C. Length 0.00 ft           |
|                |        |        |     |     |     | D.P. Length 3970.00 ft        |

RECOVERY

Tot Fluid 40.00 ft of 0.00 ft in DC and 40.00 ft in DP  
 70.00 ft of Gas in pipe  
 15.00 ft of Clean oil - 100% oil  
 25.00 ft of Muddy oil - 75% oil, 25% mud

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -  
 Surface blow building to .5"  
 Final Flow -  
 Surface blow building to .75"

SAMPLES:  
 SENT TO:

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.30 lb/c  
 Vis. 49.00 S/L  
 W.L. 8.60 in3  
 F.C. 0.00 in  
 Mud Drop  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 109.00 F  
 Hole Condition  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00  
 Cushion Type  
 Reversed Out  
 Tool Chased  
 Tester Paul Simpson  
 Co. Rep. Jeff Christian  
 Contr. Duke  
 Rig # 4  
 Unit #  
 Pump T.

Test Successful: Y

15-195-22179-00-00

CALCULATED RECOVERY ANALYSIS - DRILL PIPE

TICKET 9426

DST 5

| SAMPLE # | TOTAL FEET | GAS |      | OIL |       | WATER |      | MUD |      |
|----------|------------|-----|------|-----|-------|-------|------|-----|------|
|          |            | %   | FEET | %   | FEET  | %     | FEET | %   | FEET |
| 1        | 15         |     | 0    | 100 | 15    |       | 0    |     | 0    |
| 2        | 25         |     | 0    | 75  | 18.75 |       | 0    | 25  | 6.25 |
| 3        |            |     | 0    |     | 0     |       | 0    |     | 0    |
| 4        |            |     | 0    |     | 0     |       | 0    |     | 0    |
| 5        |            |     | 0    |     | 0     |       | 0    |     | 0    |
| 6        |            |     | 0    |     | 0     |       | 0    |     | 0    |
| TOTAL    | 40         |     | 0    |     | 33.75 |       | 0    |     | 6.25 |

|             |         |          |   |           |
|-------------|---------|----------|---|-----------|
|             |         | HRS OPEN |   | BBL/DAY   |
| BBL OIL =   | 0.47993 | *        | 1 | = 11.5182 |
| BBL WATER = | 0       | *        |   | = 0       |
| BBL MUD =   | 0.08888 |          |   |           |
| BBL GAS =   | 0       |          |   |           |

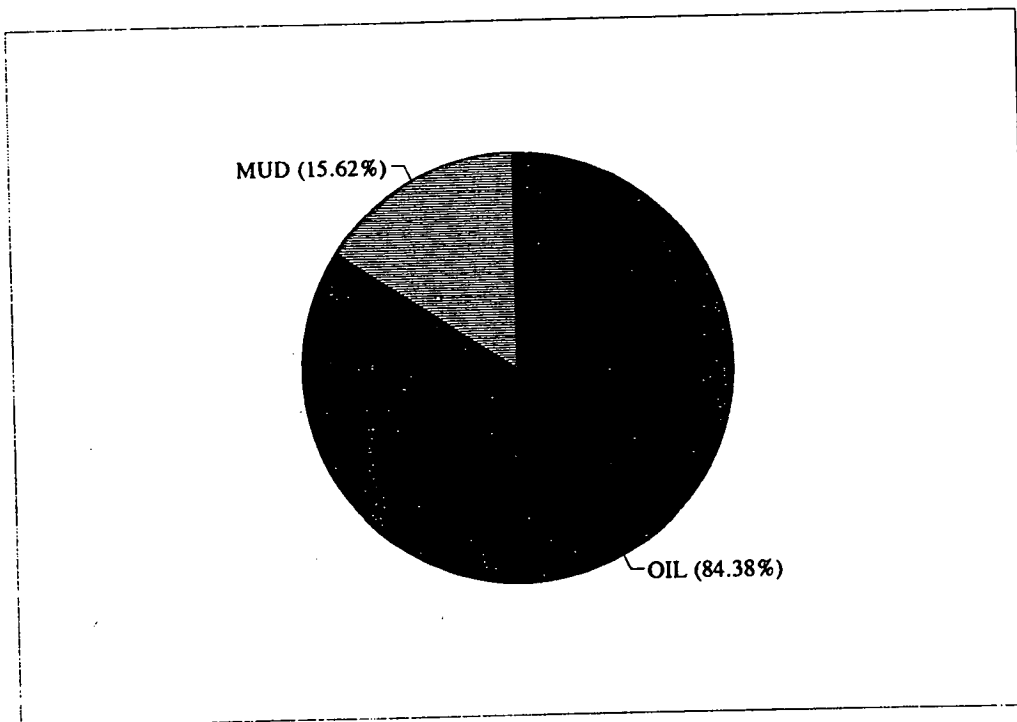
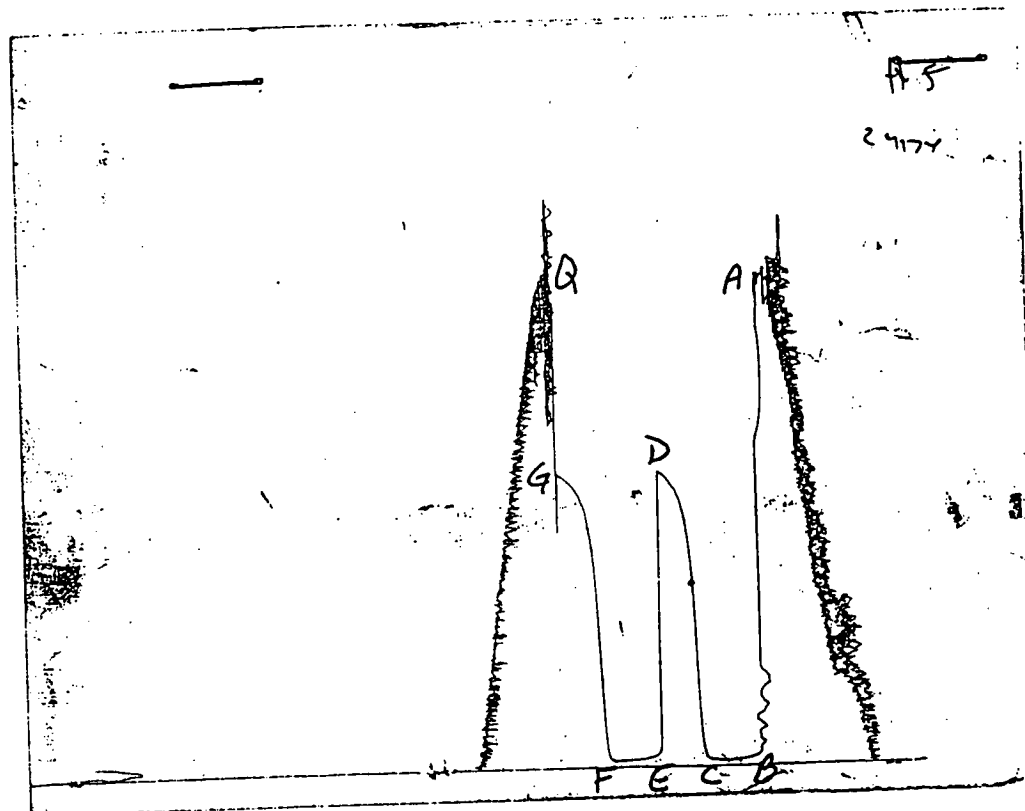


CHART PAGE



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15-195-22179-00-00

15-195-22179-00-00

\*\*\* TOOL DIAGRAM \*\*\* CONV

WELL NAME: Uhrich #1

LOCATION : 20-11S-22W, Trego Cty KS

TICKET No. 9426 D.S.T. No. 5 DATE 4000

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 21

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 11

TOTAL TOOL ..... 32

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY ..... 63

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands 64 Single Total 3970

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4033

TOTAL DEPTH ..... 4000

TOTAL DRILL PIPE ABOVE K.B. .... 33

REMARKS:

|                       |      |
|-----------------------|------|
| P.O. SUB              |      |
| C.O. SUB              | 3937 |
| S.I. TOOL             | 3943 |
|                       |      |
| HMV                   | 3948 |
| JARS N/A              |      |
|                       |      |
| SAFETY JOINT N/A      |      |
| PACKER                | 3952 |
| PACKER                | 3957 |
| DEPTH 3957            |      |
| STUBB                 | 3958 |
| ANCHOR                |      |
|                       |      |
| AK-1 recorder         | 3959 |
|                       |      |
| jt pipe               |      |
|                       |      |
| T.C.                  |      |
| DEPTH                 |      |
| perf                  |      |
|                       |      |
| AK-1 recorder         | 3995 |
|                       |      |
| BULLNOSE 5' bull plug |      |
| T.D.                  | 4000 |