

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

1-23-07

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 4767
Name: Ritchie Exploration, Inc.
Address: P.O. Box 783188
City/State/Zip: Wichita, KS 67278-3188
Purchaser: _____
Operator Contact Person: Craig Caulk
Phone: (316) 691-9500
Contractor: Name: Murfin Drilling Company, Inc.
License: 30606
Wellsite Geologist: Kim Shoemaker

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. _____

| | | |
|-----------------------------------|-----------------|---|
| 10/17/06 | 10/25/06 | 10/25/06 |
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |

API No. 15 - 101-21971-0000
County: Lane
approx. N/2 S/2 NW Sec. 4 Twp. 18 S. R. 30 East West
1655 feet from S (N) (circle one) Line of Section
1406 feet from E (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Sharp 4AB Well #: 2
Field Name: _____

Producing Formation: _____
Elevation: Ground: 2879 Kelly Bushing: 2890
Total Depth: 4611 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 219 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 cmt.

Drilling Fluid Management Plan PA NH 9-12-08
(Data must be collected from the Reserve Pit)
Chloride content 5500 ppm Fluid volume 1000 bbls
Dewatering method used evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

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: _____
Title: Geologist Date: 1/23/07

Subscribed and sworn to before me this 23rd day of January,
2007.
Notary Public: Debra K. Phillips
Date Commission Expires: 5/4/07

DEBRA K. PHILLIPS
Notary Public - State of Kansas
My Appt. Expires 5/4/07

KCC Office Use ONLY

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

RECEIVED
JAN 24 2007
KCC WICHITA

Operator Name: Ritchie Exploration, Inc. Lease Name: Sharp 4AB Well #: 2
 Sec. 4 Twp. 18 S. R. 30 East West County: Lane

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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Dual Induction Log Compensated Density Neutron Log | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum SEE ATTACHED |
|---|--|

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 JAN 23 2007
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| 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 | 24 | 219 | common | 160 | 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 <i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
| | | | |
| | | | |
| | | | |
| | | | |

| | | | | |
|---------------|------|--------|-----------|---|
| TUBING RECORD | Size | Set At | Packer At | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
|---------------|------|--------|-----------|---|

| | |
|--|---|
| Date of First, Resumerd Production, SWD or Enhr. | 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 <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) | Production Interval |
|---|---|---------------------|

RECEIVED
 JAN 24 2007
KCC WICHITA



#2 Sharp 4AB

1655' FNL & 1406' FWL

5'S & 86'E of N/2 S/2 NW Section 4-18S-30W

Lane County, Kansas

API# 15-101-21971-0000

Elevation: 2879' GL, 2890' KB

| <u>Sample Tops</u> | | | <u>Ref. Well</u> |
|--------------------|-------|-------|----------------------|
| Anhydrite | 2250' | +640 | -3 |
| B/Anhydrite | 2269' | +621 | -3 |
| Heebner | 3910' | -1020 | +7 |
| Lansing | 3945' | -1055 | +10 |
| Stark Shale | 4223' | -1533 | +7 |
| BKC | 4307' | -1417 | +9 |
| Marmaton | 4345' | -1455 | +10 |
| Altamont | 4362' | -1472 | +5 |
| Pawnee | 4422' | -1532 | +9 |
| Cherokee Shale | 4492' | -1602 | +10 |
| Johnson | 4529' | -1639 | +12 |
| Mississippian | 4557' | -1667 | +16 |
| RTD | 4611' | -1721 | |

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JAN 23 2007
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5'S & 86'E of N/2 S/2 NW Section 4-18S-30W

Lane County, Kansas

API# 15-101-21971-0000

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| Johnson | 4529' | -1639 | +12 |
| Mississippian | 4557' | -1667 | +16 |
| RTD | 4611' | -1721 | |

KCC
JAN 23 2007
CONFIDENTIAL

ALLIED CEMENTING CO., INC.

26247

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

SERVICE POINT:
Wesley

| | | | | | | | |
|--|----------------|---|-----------------|--------------------------|----------------------------|--------------------------|---------------------------|
| DATE <u>10-17-06</u> | SEC. <u>4</u> | TWP. <u>18</u> | RANGE <u>30</u> | CALLED OUT <u>7:15pm</u> | ON LOCATION <u>10:45pm</u> | JOB START <u>11:15pm</u> | JOB FINISH <u>11:45pm</u> |
| LEASE <u>Sharp 4AB</u> | WELL# <u>2</u> | LOCATION <u>Amy 2 1/2 W 3 N 1/4 E 4 S</u> | | | COUNTY <u>Jawa</u> | STATE <u>KS</u> | |
| OLD OR <input checked="" type="radio"/> NEW (Circle one) | | | | | | | |

CONTRACTOR Murfen Dely #21

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 219

CASING SIZE 8 5/8 DEPTH 216

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15

PERFS. _____

DISPLACEMENT 13

OWNER _____

CEMENT AMOUNT ORDERED _____

160 ccm 3% cc 2" H₂O

EQUIPMENT

PUMP TRUCK CEMENTER MIKE

224 HELPER J. Weygona

BULK TRUCK

357 DRIVER Cody

BULK TRUCK

_____ DRIVER _____

| | | | | |
|----------|----------------|---|--------------|----------------|
| COMMON | <u>160 ccm</u> | @ | <u>10.65</u> | <u>1704.00</u> |
| POZMIX | | @ | | |
| GEL | <u>3.14</u> | @ | <u>16.65</u> | <u>49.95</u> |
| CHLORIDE | <u>5.04</u> | @ | <u>46.60</u> | <u>233.00</u> |
| ASC | | @ | | |
| | | @ | | |
| | | @ | | |
| | | @ | | |
| | | @ | | |
| | | @ | | |
| | | @ | | |
| | | @ | | |
| HANDLING | <u>168 ccm</u> | @ | <u>1.90</u> | <u>319.20</u> |
| MILEAGE | <u>39 09</u> | @ | <u>16.84</u> | <u>657.68</u> |
| TOTAL | | | | <u>2895.83</u> |

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JAN 23 2007
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REMARKS:
New 24"
Circ 8 5/8 csg w/ rig pump
Mix Cemt, disp plug w/ 13 BBL
cemt did Circ

Thanks

SERVICE

DEPTH OF JOB 219

PUMP TRUCK CHARGE @ 15.00

EXTRA FOOTAGE @ _____

MILEAGE 39 @ 6.00 234.00

MANIFOLD @ _____

TOTAL 1049.00

CHARGE TO: Ritchie Explor.

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

8 5/8 Tap wash @ 60.00 60.00

@ _____

@ _____

@ _____

TOTAL 60.00

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 _____

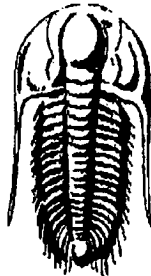
TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Juan Lopez

Juan Lopez
PRINTED NAME

RECEIVED
JAN 24 2007
KCC WICHITA



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration Inc**

PO Box 783188
Wichita KS 67278-3188

ATTN: Kim Shoemaker

4 18 30 Lane KS

#2 Sharp 4 AB

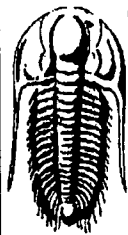
Start Date: 2006.10.23 @ 08:20:00

End Date: 2006.10.23 @ 16:19:30

Job Ticket #: 25628 DST #: 1

KCC
JAN 23 2007
CONFIDENTIAL

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Ritchie Exploration Inc
PO Box 783188
Wichita KS 67278-3188
ATTN: Kim Shoemaker

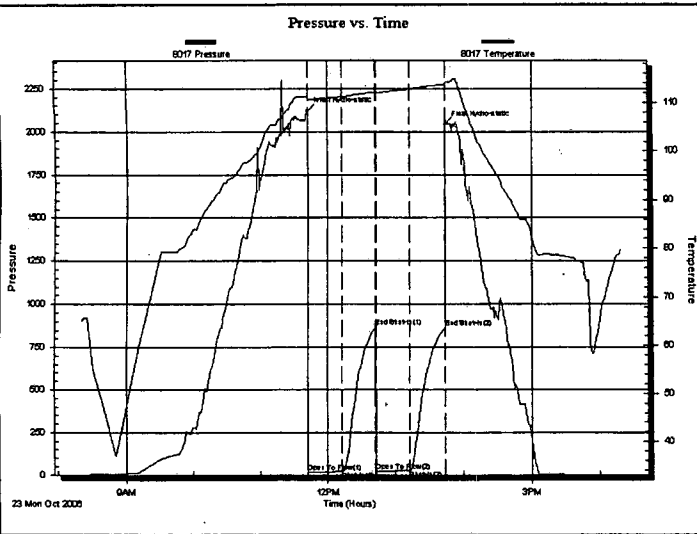
#2 Sharp 4 AB
4 18 30 Lane KS
Job Ticket: 25628 **DST#: 1**
Test Start: 2006.10.23 @ 08:20:00

GENERAL INFORMATION:

Formation: **Marmaton/Altamont**
Deviated: No Whipstock ft (KB) Test Type: Conventional Bottom Hole
Time Tool Opened: 11:42:00 Tester: Chuck Smith
Time Test Ended: 16:19:30 Unit No: 37
Interval: **4327.00 ft (KB) To 4391.00 ft (KB) (TVD)** Reference Elevations: 2890.00 ft (KB)
Total Depth: 4391.00 ft (KB) (TVD) 2880.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8017 Inside
Press@RunDepth: 25.72 psig @ 4329.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2006.10.23 End Date: 2006.10.23 Last Calib.: 2006.10.23
Start Time: 08:20:01 End Time: 16:19:30 Time On Btm: 2006.10.23 @ 11:41:45
Time Off Btm: 2006.10.23 @ 13:44:15

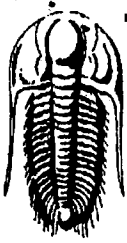
30X
TEST COMMENT: IF Weak surface blow
ISI No return
FF No blow
FSI No return
JAN 15 2007



| PRESSURE SUMMARY | | | |
|------------------|-----------------|--------------|----------------------|
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
| 0 | 2118.99 | 111.20 | Initial Hydro-static |
| 1 | 15.49 | 110.60 | Open To Flow (1) |
| 31 | 19.09 | 111.16 | Shut-In(1) |
| 61 | 868.75 | 112.14 | End Shut-In(1) |
| 61 | 20.86 | 111.79 | Open To Flow (2) |
| 91 | 25.72 | 112.79 | Shut-In(2) |
| 122 | 864.38 | 113.76 | End Shut-In(2) |
| 123 | 2041.10 | 114.04 | Final Hydro-static |

| Recovery | | |
|-------------|-------------|--------------|
| Length (ft) | Description | Volume (bbl) |
| 5.00 | M | 0.02 |
| | | |
| | | |
| | | |
| | | |

| Gas Rates | | | |
|-----------|----------------|-----------------|------------------|
| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
| | | | |
| | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration Inc
PO Box 783188
Wichita KS 67278-3188
ATTN: Kim Shoemaker

#2 Sharp 4 AB
4 18 30 Lane KS
Job Ticket: 25628 **DST#: 1**
Test Start: 2006.10.23 @ 08:20:00

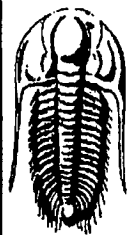
Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4156.00 ft | Diameter: 3.80 inches | Volume: 58.30 bbl | Tool Weight: 1500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 28000.00 lb |
| Drill Collar: | Length: 180.00 ft | Diameter: 2.25 inches | Volume: 0.89 bbl | Weight to Pull Loose: 84000.00 lb |
| | | | Total Volume: 59.19 bbl | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 29.00 ft | | | String Weight: Initial 76000.00 lb |
| Depth to Top Packer: | 4327.00 ft | | | Final 76000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 64.00 ft | | | |
| Tool Length: | 84.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|------------------------------------|
| Change Over Sub | 1.00 | | | 4308.00 | |
| Shut In Tool | 5.00 | | | 4313.00 | |
| Hydraulic tool | 5.00 | | | 4318.00 | |
| Packer | 5.00 | | | 4323.00 | 20.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4327.00 | |
| Stubb | 1.00 | | | 4328.00 | |
| Perforations | 1.00 | | | 4329.00 | |
| Recorder | 0.00 | 8017 | Inside | 4329.00 | |
| Perforations | 24.00 | | | 4353.00 | |
| Change Over Sub | 1.00 | | | 4354.00 | |
| Anchor | 31.00 | | | 4385.00 | |
| Change Over Sub | 1.00 | | | 4386.00 | |
| Recorder | 0.00 | 13309 | Inside | 4386.00 | |
| Bullnose | 5.00 | | | 4391.00 | 64.00 Bottom Packers & Anchor |

Total Tool Length: 84.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration Inc
PO Box 783188
Wichita KS 67278-3188
ATTN: Kim Shoemaker

#2 Sharp 4 AB
4 18 30 Lane KS
Job Ticket: 25628 DST#: 1
Test Start: 2006.10.23 @ 08:20:00

Mud and Cushion Information

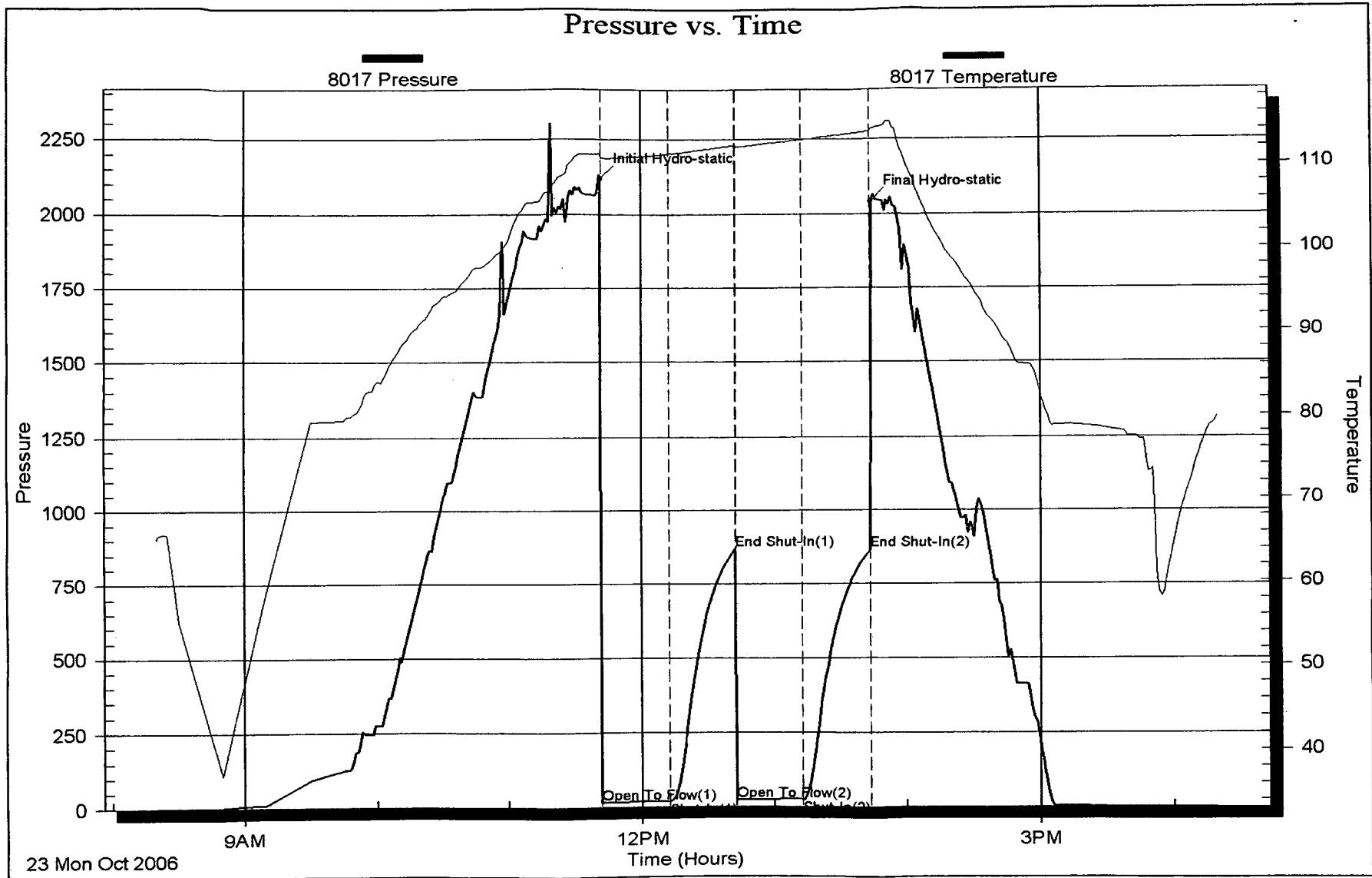
| | | | |
|----------------------------------|----------------------------|-----------------|-----------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: | 0 deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: | 0 ppm |
| Viscosity: 47.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 7.99 in ³ | Gas Cushion Type: | | |
| Resistivity: 0.00 ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 2000.00 ppm | | | |
| Filter Cake: 1.00 inches | | | |

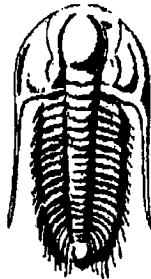
Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 5.00 | M | 0.025 |

Total Length: 5.00 ft Total Volume: 0.025 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Spots of Oil in 5 feet





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration Inc**

PO Box 783188
Wichita KS 67278-3188

ATTN: Kim Shoemaker

4 18 30 Lane KS

#2 Sharp 4 AB

Start Date: 2006.10.24 @ 12:49:30

End Date: 2006.10.24 @ 20:25:45

Job Ticket #: 25629 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Ritchie Exploration Inc
PO Box 783188
Wichita KS 67278-3188
ATTN: Kim Shoemaker

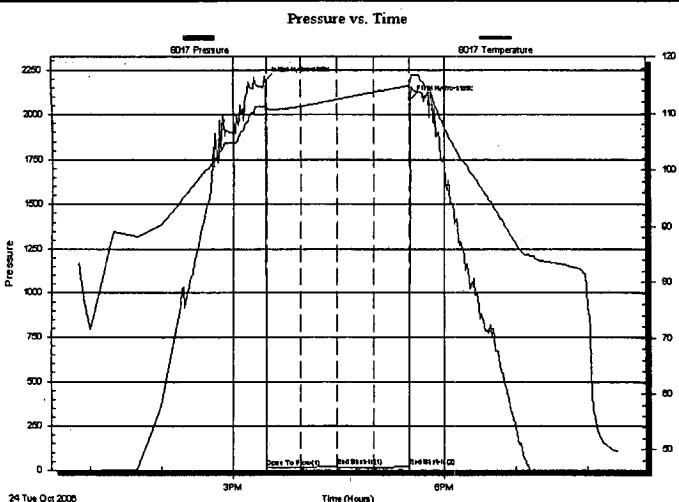
#2 Sharp 4 AB
4 18 30 Lane KS
Job Ticket: 25629 **DST#: 2**
Test Start: 2006.10.24 @ 12:49:30

GENERAL INFORMATION:

Formation: **Cherokee/Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:27:45
Time Test Ended: 20:25:45
Interval: **4498.00 ft (KB) To 4548.00 ft (KB) (TVD)**
Total Depth: **4548.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Chuck Smith
Unit No: 37
Reference Elevations: 2890.00 ft (KB)
2880.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8017 **Inside**
Press@RunDepth: 15.27 psig @ 4500.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2006.10.24 End Date: 2006.10.24 Last Calib.: 2006.10.24
Start Time: 12:49:31 End Time: 20:25:45 Time On Btm: 2006.10.24 @ 15:27:15
Time Off Btm: 2006.10.24 @ 17:30:30

TEST COMMENT: IF Weak surface blow
ISI No return
FF No blow
FSI No return



PRESSURE SUMMARY

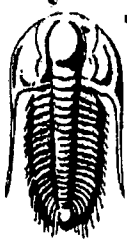
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2185.37 | 111.32 | Initial Hydro-static |
| 1 | 16.11 | 110.86 | Open To Flow (1) |
| 30 | 16.22 | 111.23 | Shut-In (1) |
| 61 | 22.22 | 112.44 | End Shut-In (1) |
| 61 | 14.89 | 112.45 | Open To Flow (2) |
| 93 | 15.27 | 113.74 | Shut-In (2) |
| 123 | 22.58 | 114.87 | End Shut-In (2) |
| 124 | 2083.05 | 115.88 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 3.00 | M | 0.01 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration Inc
PO Box 783188
Wichita KS 67278-3188

ATTN: Kim Shoemaker

#2 Sharp 4 AB
4 18 30 Lane KS
Job Ticket: 25629 **DST#: 2**
Test Start: 2006.10.24 @ 12:49:30

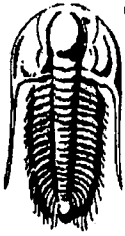
Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4312.00 ft | Diameter: 3.80 inches | Volume: 60.49 bbl | Tool Weight: 1500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 30000.00 lb |
| Drill Collar: | Length: 180.00 ft | Diameter: 2.25 inches | Volume: 0.89 bbl | Weight to Pull Loose: 94000.00 lb |
| | | | <u>Total Volume: 61.38 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 14.00 ft | | | String Weight: Initial 77000.00 lb |
| Depth to Top Packer: | 4498.00 ft | | | Final 77000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 50.00 ft | | | |
| Tool Length: | 70.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 4479.00 | |
| Shut In Tool | 5.00 | | | 4484.00 | |
| Hydraulic tool | 5.00 | | | 4489.00 | |
| Packer | 5.00 | | | 4494.00 | 20.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4498.00 | |
| Stubb | 1.00 | | | 4499.00 | |
| Perforations | 1.00 | | | 4500.00 | |
| Recorder | 0.00 | 8017 | Inside | 4500.00 | |
| Perforations | 10.00 | | | 4510.00 | |
| Change Over Sub | 1.00 | | | 4511.00 | |
| Anchor | 31.00 | | | 4542.00 | |
| Change Over Sub | 1.00 | | | 4543.00 | |
| Recorder | 0.00 | 13309 | Inside | 4543.00 | |
| Bullnose | 5.00 | | | 4548.00 | 50.00 Bottom Packers & Anchor |

Total Tool Length: 70.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration Inc
PO Box 783188
Wichita KS 67278-3188
ATTN: Kim Shoemaker

#2 Sharp 4 AB
4 18 30 Lane KS
Job Ticket: 25629 DST#: 2
Test Start: 2006.10.24 @ 12:49:30

Mud and Cushion Information

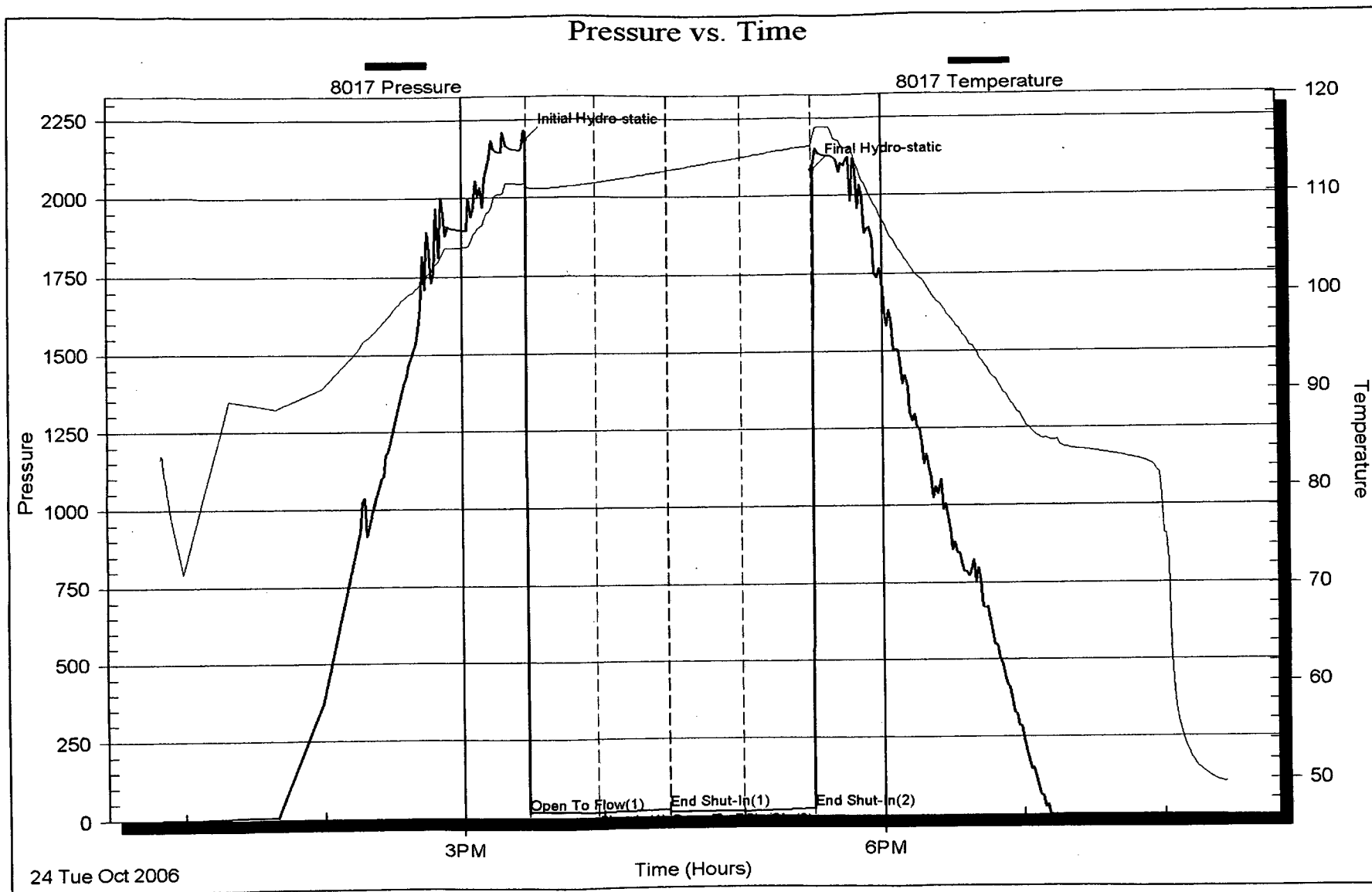
| | | | |
|----------------------------------|----------------------------|-----------------|-----------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: | 0 deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: | 0 ppm |
| Viscosity: 44.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 6.40 in ³ | Gas Cushion Type: | | |
| Resistivity: 0.00 ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 2000.00 ppm | | | |
| Filter Cake: 1.00 inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 3.00 | M | 0.015 |

Total Length: 3.00 ft Total Volume: 0.015 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Spots of oil in tool.





1-23-09

January 23, 2007

KCC
JAN 23 2007
CONFIDENTIAL

State Corporation Commission
Conservation Division
130 S. Market, Room 2078
Wichita, KS 67202

RE: #2 Sharp 4AB
Sec. 4-18S-30W
Lane County, Kansas

To Whom It May Concern:

Enclosed please find an ACO-1 for the above referenced well. The required attachments have also been enclosed. Ritchie Exploration, Inc. would like for this to be held confidential for the maximum allowable time.

If you have any questions, please feel free to call the undersigned or Craig Caulk at 316-691-9500. Thank you for all of your help in this matter.

Sincerely,

Debbie Phillips
Accounting Supervisor

dkp

Enclosures

RECEIVED
JAN 24 2007
KCC WICHITA