

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

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

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

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

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

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

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

|  |   |
|--|---|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>List All E. Logs Run: | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br>Name Top Datum |
|--|---|

| CASING RECORD <input 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 |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |

| ADDITIONAL CEMENTING / SQUEEZE RECORD  |                  |                |              |                            |
|--|------------------|----------------|--------------|----------------------------|
| Purpose:   | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate<br><input type="checkbox"/> Protect Casing<br><input type="checkbox"/> Plug Back TD<br><input type="checkbox"/> Plug Off Zone |                  |                |              |                            |
|  |                  |                |              |                            |

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

|   |  |         |             |               |         |
|---|--|---------|-------------|---------------|---------|
| Date of first Production/Injection or Resumed Production/Injection: | Producing Method:<br><input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____ |         |             |               |         |
| Estimated Production Per 24 Hours                                   | Oil Bbls.  | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |

|   |  |                                    |
|---|--|------------------------------------|
| DISPOSITION OF GAS:<br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION:<br><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5) (Submit ACO-4)</i> | PRODUCTION INTERVAL:<br>Top Bottom |
|---|--|------------------------------------|

| Shots Per Foot | Perforation Top | Perforation Bottom | Bridge Plug Type | Bridge Plug Set At | Acid, Fracture, Shot, Cementing Squeeze Record<br><i>(Amount and Kind of Material Used)</i> |
|----------------|-----------------|--------------------|------------------|--------------------|---|
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |

|                |       |         |            |  |
|----------------|-------|---------|------------|--|
| TUBING RECORD: | Size: | Set At: | Packer At: |  |
|----------------|-------|---------|------------|--|

|           |                         |
|-----------|-------------------------|
| Form      | ACO1 - Well Completion  |
| Operator  | Lario Oil & Gas Company |
| Well Name | Clawson 1-22            |
| Doc ID    | 1271547                 |

Tops

| Name          | Top  | Datum |
|---------------|------|-------|
| Heebner       | 3830 | -858  |
| Lansing       | 3876 | -904  |
| Stark Shale   | 4164 | -1192 |
| Hushpuckney   | 4221 | -1249 |
| Base KC       | 4294 | -1322 |
| Marmaton      | 4322 | -1350 |
| Pawnee        | 4396 | -1424 |
| Ft. Scott     | 4422 | -1450 |
| Johnson       | 4510 | -1538 |
| Morrow        | 4584 | -1612 |
| Mississippian | 4613 | -1641 |
| Millrich Sand | 4621 | -1649 |
| St. Louis     | 4639 | -1667 |





# INVOICE

P.O. Box 205803  
Dallas, TX 75320-5803

Invoice Number: 151171  
Invoice Date: Nov 7, 2015  
Page: 1

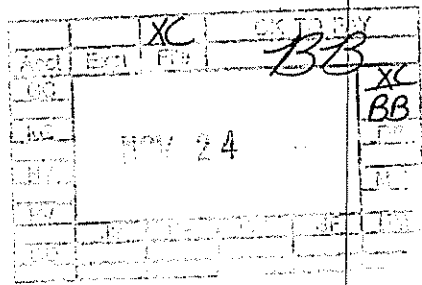
Voice: (832) 482-3742  
Fax: (832) 482-3738

Federal Tax I.D.#: 20-8651475

|  |
|--|
| <b>Bill To:</b>  |
| Lario Oil & Gas Co.<br>Lario Oil & Gas Co.<br>P.O. Box 1093<br>Garden City, KS 67846 |

| Customer ID  | Field Ticket # | Payment Terms |          |
|--------------|----------------|---------------|----------|
| Lario        | 67750          | Net 30 Days   |          |
| Job Location | Camp Location  | Service Date  | Due Date |
| KS1-01       | Oakley         | Nov 7, 2015   | 12/7/15  |

| Quantity | Item               | Description   | Unit Price | Amount    |
|----------|--------------------|---|------------|-----------|
| 1.00     | WELL NAME          | Clawson #1-22                                       |            |           |
| 420.00   | CEMENT MATERIALS   | Class A Common                                      | 17.90      | 7,518.00  |
| 1,185.00 | CEMENT MATERIALS   | Chloride  | 1.10       | 1,303.50  |
| 444.00   | CEMENT SERVICE     | Cubic Feet Charge                                   | 2.48       | 1,101.12  |
| 814.00   | CEMENT SERVICE     | Ton Mileage Charge                                  | 2.75       | 2,238.50  |
| 1.00     | CEMENT SERVICE     | Surface   | 1,512.25   | 1,512.25  |
| 40.00    | CEMENT SERVICE     | Pump Truck Mileage                                  | 7.70       | 308.00    |
| 40.00    | CEMENT SERVICE     | Light Vehicle Mileage                               | 4.40       | 176.00    |
| 1.00     | CEMENT SERVICE     | Swedge Rental -- No Charge                          |            |           |
| 1.00     | JOB DISCOUNT       | Job Discount if paid within terms -- Material       | 4,410.75   | -4,410.75 |
| 1.00     | JOB DISCOUNT       | Job Discount if paid within terms -- Cement Service | 2,667.94   | -2,667.94 |
| 1.00     | CEMENT SUPERVISOR  | Paul Beaver   |            |           |
| 1.00     | EQUIPMENT OPERATOR | Wayne McGhghy                                       |            |           |
| 1.00     | OPERATOR ASSISTANT | Marlyn Spangenberg                                  |            |           |



|   |                        |                 |
|---|------------------------|-----------------|
| <p>ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. ONLY IF PAID ON OR BEFORE</p> <p><b>Dec 7, 2015</b></p> <p>1 1/2% CHARGED THEREAFTER.</p> | Subtotal               | 7,078.68        |
|   | Sales Tax              | 374.91          |
|   | Total Invoice Amount   | 7,453.59        |
|   | Payment/Credit Applied |                 |
|   | <b>TOTAL</b>           | <b>7,453.59</b> |



DIG SHEET



Hide/Unhide Rows

|                |                  |
|----------------|------------------|
| Date           | November 2, 2015 |
| Ticket Number  | 0                |
| Service Point  | Oakley, KS       |
| Address        | P.O. Box 27      |
|                | Oakley, KS 67743 |
| Business Phone | 785-672-3452     |

|              |                                  |
|--------------|----------------------------------|
| Manager      | Terry Heinrich                   |
| E-mail       | terry.heinrich@alliedservices.co |
| Mobile Phone | 785-673-9376                     |

|  |   |
|--|---|
|  | 0 |
|--|---|

|                   |                       |                 |                              |             |            |
|-------------------|-----------------------|-----------------|------------------------------|-------------|------------|
| Company           | Larlo Oil & Gas       | Prepared For:   | Brent Birk                   | Well Data   |            |
| Address           | Wichita, Kansas 67202 | Business Phone: | 316-265-5611 (205)           | Open Hole   | 14 3/4     |
| Address           | #N/A                  | Email:          | bbirk@larlooil.com           | Depth       | 400        |
| Well Name         | Clawson               | Mobile Phone:   | 0                            | String      | 01 Surface |
| Well Number       | # 1-22                | Prepared By:    | Neal Rupp                    | Casing Size | 9 5/8      |
| Field             | Sec: 22 - T195 - R33W | Email           | neal.rupp@alliedservices.com | ID          | 9.001      |
| Country           | Scott                 | Mobile Phone:   | 316.250.7057                 | Weight      | 32.3       |
| State             | Kansas                | Business Phone: | 316.260.3368                 | Grade       | J-55       |
| City              | 0                     | Reg Contractor  | 0                            | Top (md)    | 0          |
| API Number        | 0                     | Reg Name/No.    | 0                            | Btm (md)    | 400        |
| Specific Job Type | 01 Surface            |                 |                              | Thread      | LTC        |
|                   |                       | Company Rep     | 0                            |             |            |
|                   |                       |                 |                              |             |            |
|                   |                       |                 |                              |             |            |

|                                    | UNITS   | UOM         | UNIT PRICE | GROSS        | Unit Net  | Net        |        |            | \$ GP    | % GP   |
|------------------------------------|---------|-------------|------------|--------------|-----------|------------|--------|------------|----------|--------|
| PUMP, CASING CEMENT 0-500 FT       | 1.00    | mln. 4 hr   | \$1,512.25 | \$ 1,512.25  | \$ 756.13 | \$756.13   |        |            |          |        |
|                                    |         |             |            | \$ 1,512.25  |           | \$756.13   |        |            |          |        |
| CLASS A COMMON                     | 420.00  | sack        | \$17.90    | \$ 7,518.00  | \$ 8.95   | \$3,759.00 | \$8.07 | \$3,389.40 | \$369.60 | 9.85%  |
| CALCIUM CHLORIDE, PELLETS OR FLAKE | 1185.00 | pound       | \$1.10     | \$ 1,303.50  | \$ 0.55   | \$651.75   | \$0.24 | \$284.40   | \$367.35 | 56.49% |
| Subtotal                           |         |             |            | \$ 8,821.50  |           | \$4,410.75 |        | \$3,673.80 | \$786.95 | 16.71% |
| <b>ACID PRODUCTS</b>               |         |             |            |              |           |            |        |            |          |        |
| Subtotal                           |         |             |            | \$ -         |           | \$0.00     |        | \$0.00     | \$0.00   | 0.00%  |
| <b>TRANSPORT</b>                   |         |             |            |              |           |            |        |            |          |        |
| Products handling service charge   | 444.00  | per cu. Ft. | \$2.48     | \$ 1,101.12  | \$ 1.24   | \$550.56   |        |            |          |        |
| Drayage for Products               | 814.00  | ton-mile    | \$2.75     | \$ 2,238.50  | \$ 1.38   | \$1,119.25 |        |            |          |        |
| Light Vehicle Mileage              | 40.00   | per mile    | \$4.40     | \$ 176.00    | \$ 2.20   | \$88.00    |        |            |          |        |
| Heavy Vehicle Mileage              | 40.00   | per mile    | \$7.70     | \$ 308.00    | \$ 3.85   | \$154.00   |        |            |          |        |
| Subtotal                           |         |             |            | \$ 3,823.62  |           | \$1,911.81 |        |            |          |        |
| Totals:                            |         |             |            | \$ 14,157.37 |           | \$7,078.69 |        |            |          |        |
| DISCOUNT: Operations               |         |             | 50.0%      | (756.13)     |           |            |        |            |          |        |
| DISCOUNT: Equipment Sales          |         |             | 50.0%      | 0.00         |           |            |        |            |          |        |
| DISCOUNT: Products                 |         |             | 50.0%      | (4,410.75)   |           |            |        |            |          |        |
| DISCOUNT: Transport                |         |             | 50.0%      | (1,911.81)   |           |            |        |            |          |        |
| DISCOUNT: ADDITIONAL ITEMS         |         |             | 50.0%      | 0.00         |           |            |        |            |          |        |
|                                    |         |             | Total      | (7,078.69)   |           |            |        |            |          |        |

|                 | Gross       | Discount   | Final      | Costs:    | \$ GP      | % GP       |        |
|-----------------|-------------|------------|------------|-----------|------------|------------|--------|
| Services Total  | \$5,335.07  | \$2,667.94 | \$2,667.94 | Services  | \$1,200.57 | \$1,467.36 | 55.00% |
| Materials Total | \$8,821.50  | \$4,410.75 | \$4,410.75 | Materials | \$3,673.80 | \$786.95   | 16.71% |
| Final Total     | \$14,157.37 | \$7,078.69 | \$7,078.69 | Total     | \$4,874.37 | \$2,204.31 | 31.14% |



P.O. Box 205803  
Dallas, TX 75320-5803

Voice: (832) 482-3742  
Fax: (832) 482-3738

# INVOICE

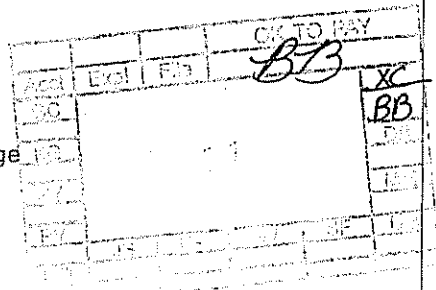
Invoice Number: 151263  
Invoice Date: Nov 21, 2015  
Page: 1

Federal Tax I.D.#: 20-8651475

|  |
|--|
| <b>Bill To:</b>  |
| Lario Oil & Gas Co.<br>Lario Oil & Gas Co.<br>P.O. Box 1093<br>Garden City, KS 67846 |

| Customer ID  | Field Ticket # | Payment Terms |          |
|--------------|----------------|---------------|----------|
| Lario        | 67702          | Net 30 Days   |          |
| Job Location | Camp Location  | Service Date  | Due Date |
| KS1-02       | Oakley         | Nov 21, 2015  | 12/21/15 |

| Quantity | Item             | Description   | Unit Price | Amount     |
|----------|------------------|---|------------|------------|
| 1.00     | WELL NAME        | Clawson #1-20 <del>Clawson 1-22</del>                     |            |            |
| 500.00   | CEMENT MATERIALS | Light Weight  | 19.88      | 9,940.00   |
| 175.00   | CEMENT MATERIALS | ASC   | 23.50      | 4,112.50   |
| 50.00    | CEMENT MATERIALS | CPL 120   | 18.90      | 945.00     |
| 25.00    | CEMENT MATERIALS | Defoamer  | 3.50       | 87.50      |
| 875.00   | CEMENT MATERIALS | Gilsonite   | 0.98       | 857.50     |
| 125.00   | CEMENT MATERIALS | Flo Seal  | 2.97       | 371.25     |
| 12.00    | CEMENT MATERIALS | WFR II  | 25.00      | 300.00     |
| 791.87   | CEMENT SERVICE   | Cubic Feet Charge   | 2.48       | 1,963.84   |
| 1,324.00 | CEMENT SERVICE   | Ton Mileage Charge  | 2.75       | 3,641.00   |
| 1.00     | CEMENT SERVICE   | Production -- Bottom Stage                                | 2,765.75   | 2,765.75   |
| 40.00    | CEMENT SERVICE   | Pump Truck Mileage  | 7.70       | 308.00     |
| 40.00    | CEMENT SERVICE   | Light Vehicle Mileage                                     | 4.40       | 176.00     |
| 1.00     | CEMENT SERVICE   | Head Manifold Rental                                      | 275.00     | 275.00     |
| 1.00     | CEMENT SERVICE   | Production -- Top Stage                                   | 2,406.25   | 2,406.25   |
| 1.00     | EQUIPMENT SALES  | 7 in D V Tool   | 6,590.00   | 6,590.00   |
| 1.00     | EQUIPMENT SALES  | 7 in AFU Float Shoe                                       | 640.00     | 640.00     |
| 1.00     | EQUIPMENT SALES  | 7 in Basket   | 465.00     | 465.00     |
| 16.00    | EQUIPMENT SALES  | 7 in Centralizer  | 65.00      | 1,040.00   |
| 1.00     | EQUIPMENT SALES  | 7 in Latch Down Assembly                                  | 1,360.00   | 1,360.00   |
| 1.00     | JOB DISCOUNT     | Job Discount if paid within terms -- Material & Equipment | 13,354.37  | -13,354.37 |



|  |                        |                  |
|--|------------------------|------------------|
| <p>ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. ONLY IF PAID ON OR BEFORE</p> <p><b>Dec 21, 2015</b></p> <p>1 1/2% CHARGED THEREAFTER.</p> | Subtotal               | Continued        |
|  | Sales Tax              | Continued        |
|  | Total Invoice Amount   | Continued        |
|  | Payment/Credit Applied |                  |
|  | <b>TOTAL</b>           | <b>Continued</b> |





# INVOICE

P.O. Box 205803  
Dallas, TX 75320-5803

Invoice Number: 151263  
Invoice Date: Nov 21, 2015  
Page: 2

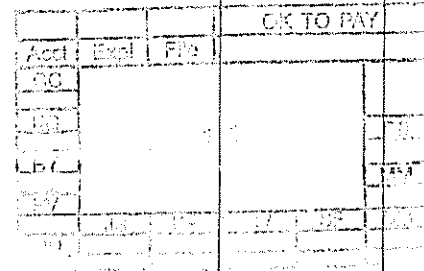
Voice: (832) 482-3742  
Fax: (832) 482-3738

Federal Tax I.D.#: 20-8651475

|  |
|--|
| <b>Bill To:</b>  |
| Lario Oil & Gas Co.<br>Lario Oil & Gas Co.<br>P.O. Box 1093<br>Garden City, KS 67846 |

| Customer ID  | Field Ticket # | Payment Terms |          |
|--------------|----------------|---------------|----------|
| Lario        | 67702          | Net 30 Days   |          |
| Job Location | Camp Location  | Service Date  | Due Date |
| KS1-02       | Oakley         | Nov 21, 2015  | 12/21/15 |

| Quantity | Item               | Description  | Unit Price | Amount    |
|----------|--------------------|--|------------|-----------|
| 1.00     | JOB DISCOUNT       | Job Discount if paid within terms – Cement Service | 5,767.93   | -5,767.93 |
| 1.00     | CEMENT SUPERVISOR  | Alan Ryan  |            |           |
| 1.00     | EQUIPMENT OPERATOR | Kevin Ryan   |            |           |
| 1.00     | EQUIPMENT OPERATOR | Wayne McGhghy                                      |            |           |
| 1.00     | EQUIPMENT OPERATOR | Monty Phillips                                     |            |           |



|  |                        |                  |
|--|------------------------|------------------|
| <p>ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. ONLY IF PAID ON OR BEFORE</p> <p><b>Dec 21, 2015</b></p> <p>1 1/2% CHARGED THEREAFTER.</p> | Subtotal               | 19,122.29        |
|  | Sales Tax              | 1,135.12         |
|  | Total Invoice Amount   | 20,257.41        |
|  | Payment/Credit Applied |                  |
|  | <b>TOTAL</b>           | <b>20,257.41</b> |



BID SHEET



|                |                  |
|----------------|------------------|
| Date           | November 2, 2015 |
| Ticket Number  | 0                |
| Service Point: | Oakley, KS       |
| Address        | P.O. Box 27      |
|                | Oakley, KS 67748 |
| Business Phone | 785-672-3452     |

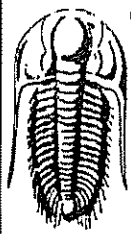
|              |                                   |
|--------------|-----------------------------------|
| Manager      | Terry Heinrich                    |
| E-mail       | terry.heinrich@alliedservices.com |
| Mobile Phone | 785-679-9376                      |

Hide/Unhide Rows

|                   |                       |                 |                              |             |                     |
|-------------------|-----------------------|-----------------|------------------------------|-------------|---------------------|
| Company           | Lario Oil & Gas       | Prepared For:   | Brent Birk                   | Well Data   |                     |
| Address           | Wichita, Kansas 67202 | Business Phone: | 316-265-5611 (205)           | Open Hole   | 8 3/4               |
| Address           | #N/A                  | Email:          | bbirk@lariooil.com           | Depth       | 4,800               |
| Well Name         | Clawson               | Mobile Phone:   | 0                            | String      | 4 Port Collar/Stage |
| Well Number       | # 1-22                | Prepared By:    | Neal Rupp                    | Casing Size | 7                   |
| Field             | Sec: 22 - T19S - R33W | Email           | neal.rupp@alliedservices.com | ID          | 6.366               |
| County            | Scott                 | Mobile Phone:   | 316.250.7057                 | Weight      | 23.0                |
| State             | Kansas                | Business Phone: | 316.260.3368                 | Grade       | J-55                |
| City              | 0                     | Rtg Contractor  | 0                            | Top (md)    | 0                   |
| API Number        | 0                     | Rtg Name/No.    |                              | Botm (md)   | 4,800               |
| Specific Job Type | 04 Port Collar/Stage  |                 |                              | Thread      | 2,695               |
|                   |                       | Company Rpt     | 0                            |             |                     |

|  | UNITS   | UOM         | UNIT PRICE | GROSS        | Unit Net    | Net         |            |            | \$ GP      | % GP   |
|--|---------|-------------|------------|--------------|-------------|-------------|------------|------------|------------|--------|
| PUMP, CASING CEMENT 4001-5000 FT                   | 1.00    | min. 4 hr   | \$2,765.75 | \$ 2,765.75  | \$ 1,382.88 | \$1,382.88  |            |            |            |        |
| MULTIPLE STAGE CEMENTING - ADDITIONAL STAGE        | 1.00    | per stage   | \$2,406.25 | \$ 2,406.25  | \$ 1,203.13 | \$1,203.13  |            |            |            |        |
| CEMENTING HEAD RENTAL WITH MANIFOLD AND SWEDGE - I | 1.00    | per day     | \$275.00   | \$ 275.00    | \$ 137.50   | \$137.50    |            |            |            |        |
|  |         |             |            | \$ 5,447.00  |             | \$2,723.50  |            |            |            |        |
| 7 AFU Flapper Float Shoe                           | 1.00    | each        | \$640.00   | \$ 640.00    | \$ 320.00   | \$320.00    | \$244.20   | \$244.20   | \$75.80    | 23.7%  |
| 7 Latch Down Plug                                  | 1.00    | each        | \$1,360.00 | \$ 1,360.00  | \$ 680.00   | \$680.00    | \$462.01   | \$462.01   | \$217.99   | 32.3%  |
| 7 Stage Collar Standard                            | 1.00    | each        | \$6,950.00 | \$ 6,950.00  | \$ 3,475.00 | \$3,475.00  | \$3,271.38 | \$3,271.38 | \$203.62   | 5.9%   |
| 7 Cement Basket                                    | 1.00    | each        | \$465.00   | \$ 465.00    | \$ 232.50   | \$232.50    | \$118.30   | \$118.30   | \$114.20   | 49.1%  |
| 7 Centralizer                                      | 16.00   | each        | \$65.00    | \$ 1,040.00  | \$ 32.50    | \$520.00    | \$19.95    | \$319.20   | \$200.80   | 38.6%  |
|  |         |             |            | \$ 10,455.00 |             | \$5,227.50  |            | \$4,415.09 | \$812.41   | 15.54% |
| HIVIS SWEEP  | 12.00   | blt         | \$25.00    | \$ 300.00    | \$ 12.50    | \$150.00    | \$3.63     | \$43.56    | \$106.44   | 71.0%  |
| ALLIED SPECIAL BLEND CEMENT - CLASS A              | 185.00  | sack        | \$23.50    | \$ 4,347.50  | \$ 11.75    | \$2,173.75  | \$9.73     | \$1,800.05 | \$373.70   | 17.2%  |
| KOL-SEAL   | 925.00  | pound       | \$0.98     | \$ 906.50    | \$ 0.49     | \$453.25    | \$0.22     | \$203.50   | \$249.75   | 55.1%  |
| FLUID LOSS ADDITIVE - LOW TEMP CFL-210             | 53.00   | pound       | \$18.90    | \$ 1,001.70  | \$ 9.45     | \$500.85    | \$3.00     | \$159.00   | \$341.85   | 68.3%  |
| DEFOAMER - POWDER CDF-100P                         | 26.00   | pound       | \$3.50     | \$ 91.00     | \$ 1.75     | \$45.50     | \$0.61     | \$15.86    | \$29.64    | 65.1%  |
| ALLIED LIGHT WEIGHT CEMENT- CLASS A                | 345.00  | sack        | \$19.88    | \$ 6,858.60  | \$ 9.94     | \$3,429.30  | \$7.66     | \$2,642.70 | \$786.60   | 22.9%  |
| CELLOPHANE FLAKES                                  | 87.00   | pound       | \$2.97     | \$ 258.39    | \$ 1.49     | \$129.20    | \$1.08     | \$93.96    | \$35.24    | 27.3%  |
| ALLIED LIGHT WEIGHT CEMENT- CLASS A                | 45.00   | sack        | \$19.88    | \$ 894.60    | \$ 9.94     | \$447.30    | \$7.66     | \$344.70   | \$102.60   | 22.9%  |
| CELLOPHANE FLAKES                                  | 12.00   | pound       | \$2.97     | \$ 35.64     | \$ 1.49     | \$17.82     | \$1.08     | \$12.95    | \$4.86     | 27.3%  |
| Subtotal   |         |             |            | \$ 14,693.93 |             | \$7,346.97  |            | \$5,316.29 | \$2,030.68 | 27.64% |
| <b>TRANSPORT</b>                                   |         |             |            |              |             |             |            |            |            |        |
| Products handling service charge                   | 675.00  | per cu. Ft. | \$2.48     | \$ 1,674.00  | \$ 1.24     | \$837.00    |            |            |            |        |
| Drayage for Products                               | 1138.00 | ton-mile    | \$2.75     | \$ 3,129.50  | \$ 1.38     | \$1,564.75  |            |            |            |        |
| Light Vehicle Mileage                              | 40.00   | per mile    | \$4.40     | \$ 176.00    | \$ 2.20     | \$88.00     |            |            |            |        |
| Heavy Vehicle Mileage                              | 40.00   | per mile    | \$7.70     | \$ 308.00    | \$ 3.85     | \$154.00    |            |            |            |        |
| Subtotal   |         |             |            | \$ 5,287.50  |             | \$2,643.75  |            |            |            |        |
| Totals:  |         |             |            | \$ 35,883.43 |             | \$17,941.72 |            |            |            |        |
| DISCOUNT: Operations                               |         |             | 50.0%      | (2,223.50)   |             |             |            |            |            |        |
| DISCOUNT: Equipment Sales                          |         |             | 50.0%      | (5,227.50)   |             |             |            |            |            |        |
| DISCOUNT: Products                                 |         |             | 50.0%      | (17,346.97)  |             |             |            |            |            |        |
| DISCOUNT: Transport                                |         |             | 50.0%      | (2,643.75)   |             |             |            |            |            |        |
| DISCOUNT: ADDITIONAL ITEMS                         |         |             | 50.0%      | 0.00         |             |             |            |            |            |        |
|  |         |             | Total      | (17,941.72)  |             |             |            |            |            |        |

|                 |             |             |             |           |             |            |
|-----------------|-------------|-------------|-------------|-----------|-------------|------------|
|                 | Gross       | Discount    | Final       | Costs:    | \$ GP       | % GP       |
| Services Total  | \$10,734.50 | \$5,367.25  | \$5,367.25  | Services  | \$2,415.26  | \$2,951.99 |
| Materials Total | \$25,148.93 | \$12,574.47 | \$12,574.47 | Materials | \$9,731.39  | \$2,843.09 |
| Final Total     | \$35,883.43 | \$17,941.72 | \$17,941.72 | Total     | \$12,146.65 | \$5,795.07 |
|                 |             |             |             |           |             | 32.30%     |



**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Company

22-19s-33w Scott, KS

301 S. Market St  
Wichita, KS 67202

Clawson #1-22

Job Ticket: 48265

DST#: 8

ATTN: Bob Bayer

Test Start: 2015.11.19 @ 14:05:43

### GENERAL INFORMATION:

Formation: St Louis "B"

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 15:49:28

Time Test Ended: 20:50:43

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 84

Interval: 4652.00 ft (KB) To 4680.00 ft (KB) (TVD)

Reference Elevations: 2973.00 ft (KB)

Total Depth: 4680.00 ft (KB) (TVD)

2963.00 ft (CF)

Hole Diameter: 8.75 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8938

Inside

Press@RunDepth: 23.99 psig @ 4653.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.11.19

End Date: 2015.11.19

Last Calib.: 2015.11.19

Start Time: 14:05:43

End Time: 20:36:43

Time On Btm: 2015.11.19 @ 15:49:13

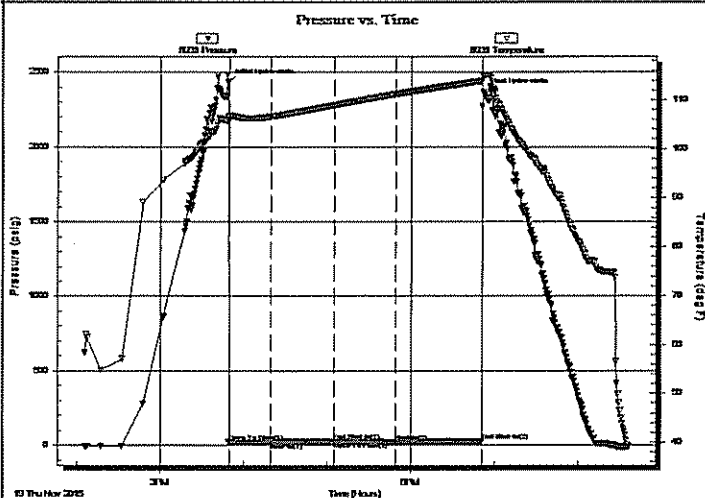
Time Off Btm: 2015.11.19 @ 18:51:58

TEST COMMENT: 1/4" in blow, died in 14 min.

No return

No blow

No return



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2431.64         | 106.57       | Initial Hydro-static |
| 1           | 23.72           | 105.62       | Open To Flow (1)     |
| 31          | 24.83           | 106.55       | Shut-In(1)           |
| 76          | 28.01           | 108.88       | End Shut-In(1)       |
| 76          | 25.52           | 108.89       | Open To Flow (2)     |
| 120         | 23.99           | 111.12       | Shut-In(2)           |
| 182         | 26.60           | 113.87       | End Shut-In(2)       |
| 183         | 2365.21         | 115.10       | Final Hydro-static   |

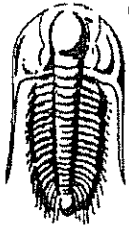
### Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 1.00        | mud 100% m  | 0.01         |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

\* Recovery from multiple tests

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas Company

22-19s-33w Scott,KS

301 S. Market St  
Wichita,KS 67202

Clawson #1-22

Job Ticket: 48265

DST#: 8

ATTN: Bob Bayer

Test Start: 2015.11.19 @ 14:05:43

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description           | Volume<br>bbf |
|--------------|-----------------------|---------------|
| 1.00         | mud 100% <sub>m</sub> | 0.014         |

Total Length: 1.00 ft

Total Volume: 0.014 bbf

Num Fluid Samples: 0

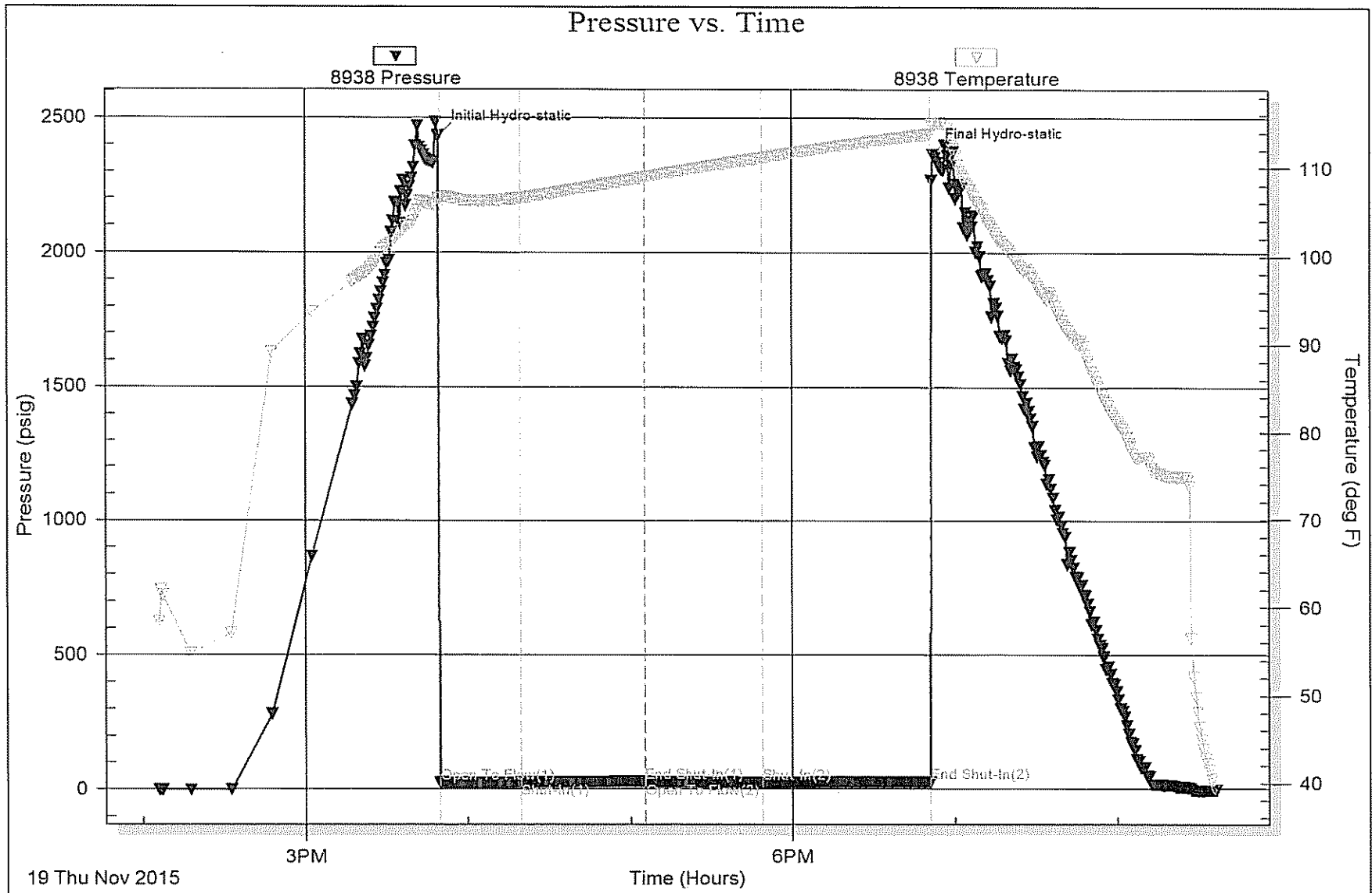
Num Gas Bombs: 0

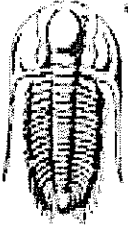
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Company

22-19s-33w Scott,KS

301 S. Market St  
Wichita,KS 67202

Clawson #1-22

Job Ticket: 61793

DST#: 7

ATTN: Bob Bayer

Test Start: 2015.11.18 @ 19:46:17

### GENERAL INFORMATION:

Formation: St. Louis B

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:35:17

Time Test Ended: 03:53:47

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4618.00 ft (KB) To 4650.00 ft (KB) (TVD)

Total Depth: 4650.00 ft (KB) (TVD)

Hole Diameter: 8.75 inches Hole Condition: Good

Reference Elevations: 2973.00 ft (KB)

2963.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8166

Outside

Press@RunDepth: 35.60 psig @ 4619.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.11.18

End Date:

2015.11.19

Last Calib.: 2015.11.19

Start Time: 19:46:22

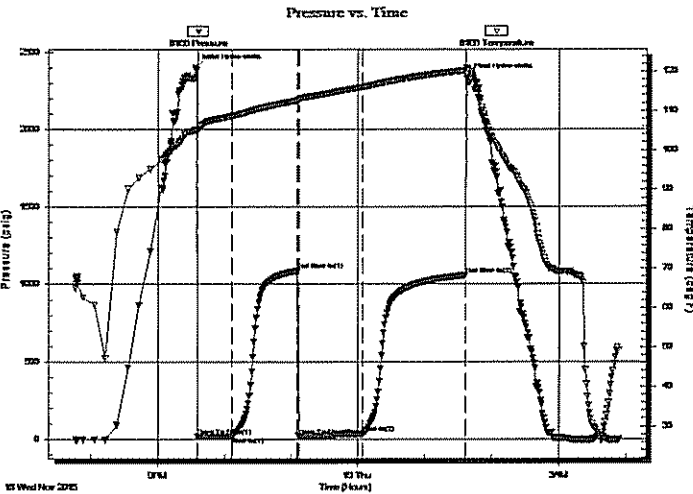
End Time:

03:53:46

Time On Btm: 2015.11.18 @ 21:33:47

Time Off Btm: 2015.11.19 @ 01:37:47

TEST COMMENT: IF: 1/4 blow built to 5.  
IS: No return.  
FF: BOB in 39 min.  
FS: No return.



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2399.12         | 105.11       | Initial Hydro-static |
| 2           | 17.27           | 104.76       | Open To Flow (1)     |
| 33          | 19.67           | 108.69       | Shut-In(1)           |
| 92          | 1088.85         | 112.68       | End Shut-In(1)       |
| 93          | 22.86           | 112.93       | Open To Flow (2)     |
| 151         | 35.60           | 116.07       | Shut-In(2)           |
| 243         | 1057.83         | 120.25       | End Shut-In(2)       |
| 244         | 2337.24         | 120.62       | Final Hydro-static   |

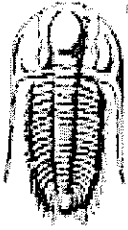
### Recovery

| Length (ft) | Description         | Volume (bbl) |
|-------------|---------------------|--------------|
| 33.00       | gocm 10%g 10%o 80%m | 0.46         |
| 30.00       | free oil 100%o      | 0.42         |
| 0.00        | 310 GIP             | 0.00         |
|             |                     |              |
|             |                     |              |

\* Recovery from multiple tests

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas Company

**22-19s-33w Scott,KS**

301 S. Market St  
Wichita,KS 67202

**Clawson #1-22**

Job Ticket: 61793

DST#: 7

ATTN: Bob Bayer

Test Start: 2015.11.18 @ 19:46:17

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.79 in<sup>2</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4300.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description         | Volume<br>bbf |
|--------------|---------------------|---------------|
| 33.00        | gocm 10%g 10%o 80%w | 0.463         |
| 30.00        | free oil 100%o      | 0.421         |
| 0.00         | 310 GIP             | 0.000         |

Total Length: 63.00 ft

Total Volume: 0.884 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

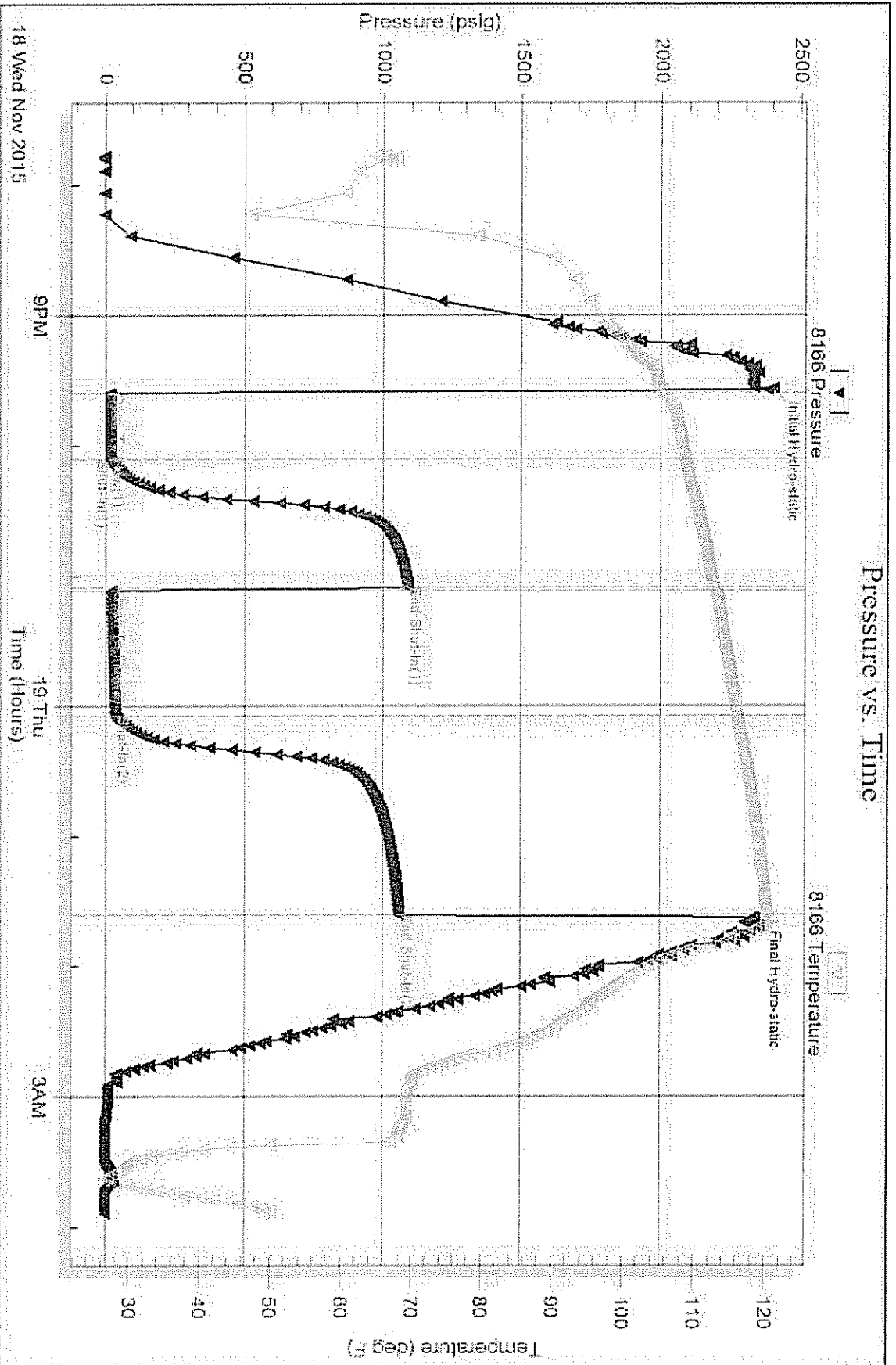


Serial #: 8166

Outside Lario Oil & Gas Company

QAN ser # 1-22

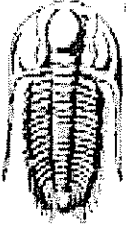
DST Test Number: 7



Treble Testing, Inc

Ref. No: 81793

Printed: 2015.11.19 @ 08:13:13



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Company

22-19s-33w Scott, Ks

301 S. Market St  
Wichita, Ks 67202

Clawson 1-22

Job Ticket: 61792

DST#: 6

ATTN: Bob Bayer

Test Start: 2015.11.17 @ 23:40:43

### GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:39:43

Time Test Ended: 06:32:43

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4500.00 ft (KB) To 4575.00 ft (KB) (TVD)

Total Depth: 4575.00 ft (KB) (TVD)

Hole Diameter: 8.75 inches Hole Condition: Good

Reference Elevations: 2973.00 ft (KB)

2963.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8166

Outside

Press@RunDepth: 93.10 psig @ 4501.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.11.17 End Date: 2015.11.18

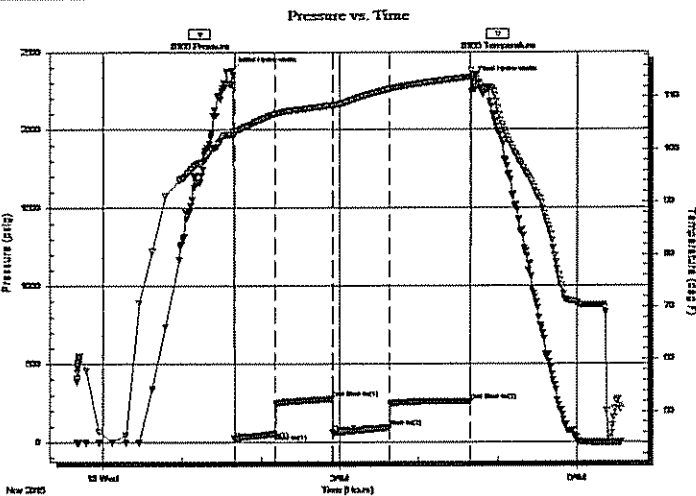
Last Calib.: 2015.11.18

Start Time: 23:40:48 End Time: 06:32:42

Time On Btm: 2015.11.18 @ 01:37:43

Time Off Btm: 2015.11.18 @ 04:40:43

TEST COMMENT: IF: 1/4 blow built to 7.  
IS: No return.  
FF: Surface blow built to 6.  
FS: No return.



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2381.45         | 102.91       | Initial Hydro-static |
| 2           | 22.22           | 102.91       | Open To Flow (1)     |
| 33          | 55.23           | 106.73       | Shut-In(1)           |
| 77          | 277.30          | 108.48       | End Shut-In(1)       |
| 77          | 59.87           | 108.42       | Open To Flow (2)     |
| 120         | 93.10           | 111.48       | Shut-In(2)           |
| 182         | 261.91          | 113.80       | End Shut-In(2)       |
| 183         | 2319.88         | 113.97       | Final Hydro-static   |

### Recovery

| Length (ft) | Description   | Volume (bbl) |
|-------------|---------------|--------------|
| 62.00       | w cm 5%w 95%m | 0.87         |
| 92.00       | mud 100%m     | 1.29         |
|             |               |              |
|             |               |              |
|             |               |              |

\* Recovery from multiple tests

### Gas Rates

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



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

22-19s-33w Scott, Ks

301 S. Market St  
Wichita, Ks 67202

Clawson 1-22

Job Ticket: 61792

DST#: 6

ATTN: Bob Bayer

Test Start: 2015.11.17 @ 23:40:43

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 56.00 sec/qt

Water Loss: 9.59 in<sup>3</sup>

Resistivity: 0.00 ohm.m

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity:

0 deg API

0 ppm

### Recovery Information

Recovery Table

| Length<br>ft | Description   | Volume<br>bbl |
|--------------|---------------|---------------|
| 62.00        | w cm 5%w 95%m | 0.870         |
| 92.00        | mud 100%m     | 1.291         |

Total Length: 154.00 ft

Total Volume: 2.161 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

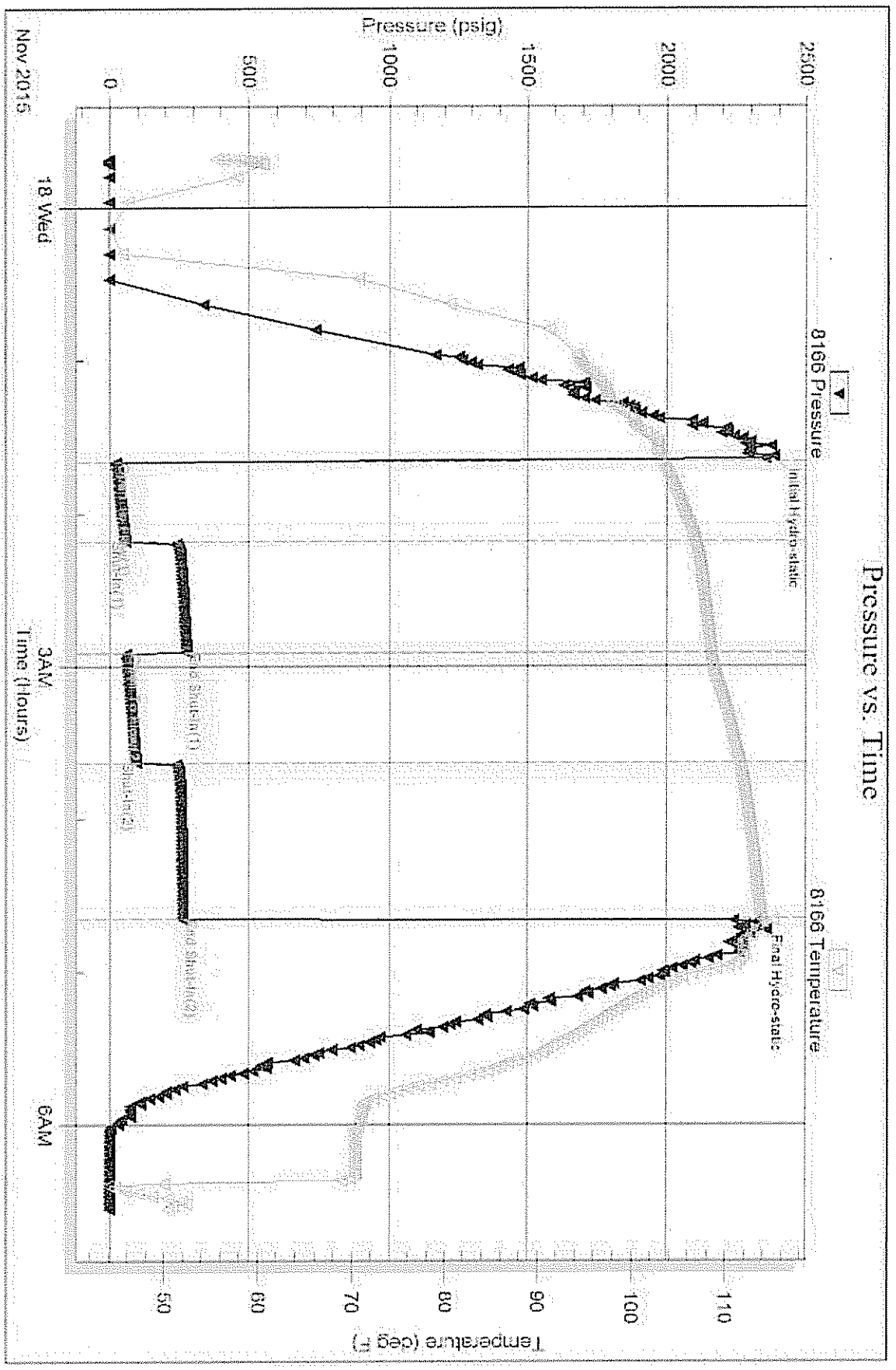
Recovery Comments:

Serial #: 8166

Outside: Larjo Oil & Gas Company

Claw son 1-22

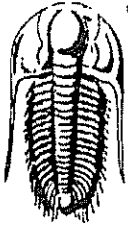
DST Test Number: 6



Tribble Testing, Inc

Ref. No. 81792

Printed: 2015-11-18 @ 08:03:13



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Lario Oil & Gas Company

22-19s-33w Scott, Ks

301 S. Market St  
Wichita, Ks 67202

Clawson 1-22

Job Ticket: 61791

DST#: 5

ATTN: Bob Bayer

Test Start: 2015.11.16 @ 17:01:06

## GENERAL INFORMATION:

Formation: **Marmaton C Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:18:36

Time Test Ended: 00:00:06

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4360.00 ft (KB) To 4416.00 ft (KB) (TVD)

Total Depth: 4416.00 ft (KB) (TVD)

Hole Diameter: 8.75 inches Hole Condition: Good

Reference Elevations: 2973.00 ft (KB)

2963.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8166

Outside

Press@RunDepth: 19.33 psig @ 4361.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.11.16

End Date:

2015.11.17

Last Calib.: 2015.11.17

Start Time: 17:01:11

End Time:

00:00:05

Time On Btm: 2015.11.16 @ 19:17:06

Time Off Btm: 2015.11.16 @ 21:49:06

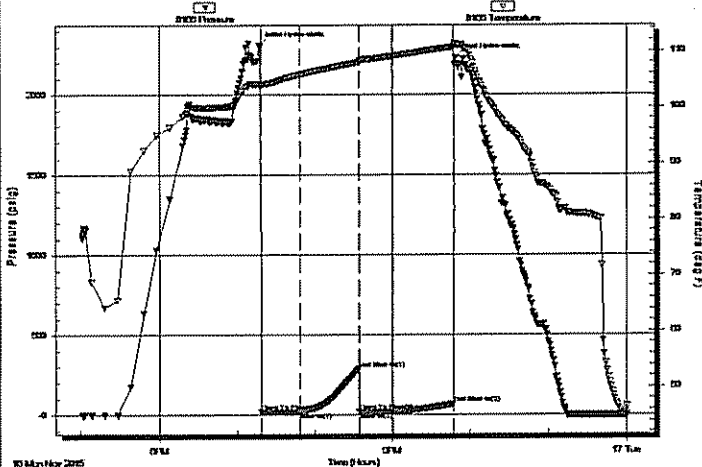
TEST COMMENT: IF: 1/4 blow died in 9 min.

IS: No return.

FF: No blow.

FS: No return.

Pressure vs. Time



## PRESSURE SUMMARY

| Time (Mn.) | Pressure (psig) | Temp (deg F) | Annotation           |
|------------|-----------------|--------------|----------------------|
| 0          | 2306.83         | 103.96       | Initial Hydro-static |
| 2          | 18.61           | 103.83       | Open To Flow (1)     |
| 32         | 19.16           | 105.73       | Shut-In(1)           |
| 77         | 286.32          | 107.88       | End Shut-In(1)       |
| 78         | 19.68           | 107.89       | Open To Flow (2)     |
| 104        | 19.33           | 109.02       | Shut-In(2)           |
| 151        | 68.35           | 110.66       | End Shut-In(2)       |
| 152        | 2229.51         | 111.01       | Final Hydro-static   |

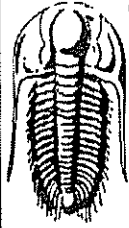
## Recovery

| Length (ft) | Description          | Volume (bbl) |
|-------------|----------------------|--------------|
| 5.00        | mud oil spots 100% m | 0.07         |
|             |                      |              |
|             |                      |              |
|             |                      |              |
|             |                      |              |

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

22-19s-33w Scott, Ks

301 S. Market St  
Wichita, Ks 67202

Clawson 1-22

Job Ticket: 61791

DST#: 5

ATTN: Bob Bayer

Test Start: 2015.11.16 @ 17:01:06

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

| Length<br>ft | Description         | Volume<br>bbl |
|--------------|---------------------|---------------|
| 5.00         | mud oil spots 100%m | 0.070         |

Total Length: 5.00 ft      Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

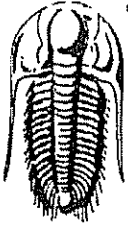
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Lario Oil & Gas Company

22-19s-33w Scott, Ks

301 S. Market St  
Wichita, Ks 67202

Clawson 1-22

Job Ticket: 61790

DST#: 4

ATTN: Bob Bayer

Test Start: 2015.11.15 @ 22:24:13

## GENERAL INFORMATION:

Formation: **Marmaton B**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 23:59:13  
 Time Test Ended: 04:37:43

Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brandon Turley  
 Unit No: 79

Interval: **4336.00 ft (KB) To 4360.00 ft (KB) (TVD)**  
 Total Depth: 4360.00 ft (KB) (TVD)  
 Hole Diameter: 8.75 inches Hole Condition: Good

Reference Elevations: 2973.00 ft (KB)  
 2963.00 ft (CF)  
 KB to GR/CF: 10.00 ft

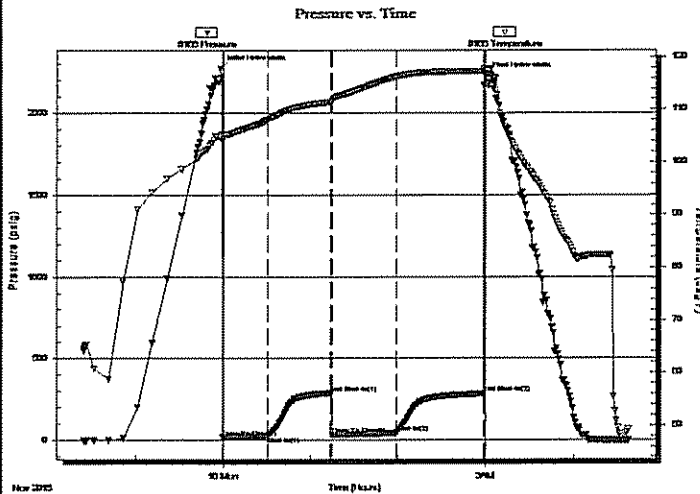
Serial #: **8166**

Outside

Press@RunDepth: 43.27 psig @ 4337.00 ft (KB)  
 Start Date: 2015.11.15 End Date: 2015.11.16  
 Start Time: 22:24:18 End Time: 04:37:42

Capacity: 8000.00 psig  
 Last Calib.: 2015.11.16  
 Time On Btm: 2015.11.15 @ 23:57:43  
 Time Off Btm: 2015.11.16 @ 03:00:13

TEST COMMENT: IF: 1/4 blow BOB in 26 min.  
 IS: No return.  
 FF: BOB in 23 min.  
 FS: No return.



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2273.54         | 104.91       | Initial Hydro-static |
| 2           | 15.52           | 104.07       | Open To Flow (1)     |
| 32          | 26.02           | 108.03       | Shut-In(1)           |
| 76          | 286.25          | 111.37       | End Shut-In(1)       |
| 77          | 29.34           | 111.49       | Open To Flow (2)     |
| 121         | 43.27           | 116.19       | Shut-In(2)           |
| 181         | 283.04          | 117.28       | End Shut-In(2)       |
| 183         | 2226.79         | 117.33       | Final Hydro-static   |

## Recovery

| Length (ft) | Description         | Volume (bbl) |
|-------------|---------------------|--------------|
| 62.00       | gocm 40%g 10%o 50%m | 0.87         |
| 15.00       | ocm 10%o 90%m       | 0.21         |
| 0.00        | 310 GIP             | 0.00         |
|             |                     |              |
|             |                     |              |

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil & Gas Company

22-19s-33w Scott, Ks

301 S. Market St  
Wichita, Ks 67202

Clawson 1-22

Job Ticket: 61790

DST#: 4

ATTN: Bob Bayer

Test Start: 2015.11.15 @ 22:24:13

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length: ft

Water Salinity:

0 ppm

Viscosity: 51.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

**Recovery Information**

Recovery Table

| Length<br>ft | Description         | Volume<br>bbl |
|--------------|---------------------|---------------|
| 62.00        | gocm 40%g 10%o 50%m | 0.870         |
| 15.00        | ocm 10%o 90%m       | 0.210         |
| 0.00         | 310 GIP             | 0.000         |

Total Length: 77.00 ft      Total Volume: 1.080 bbl

Num Fluid Samples: 0

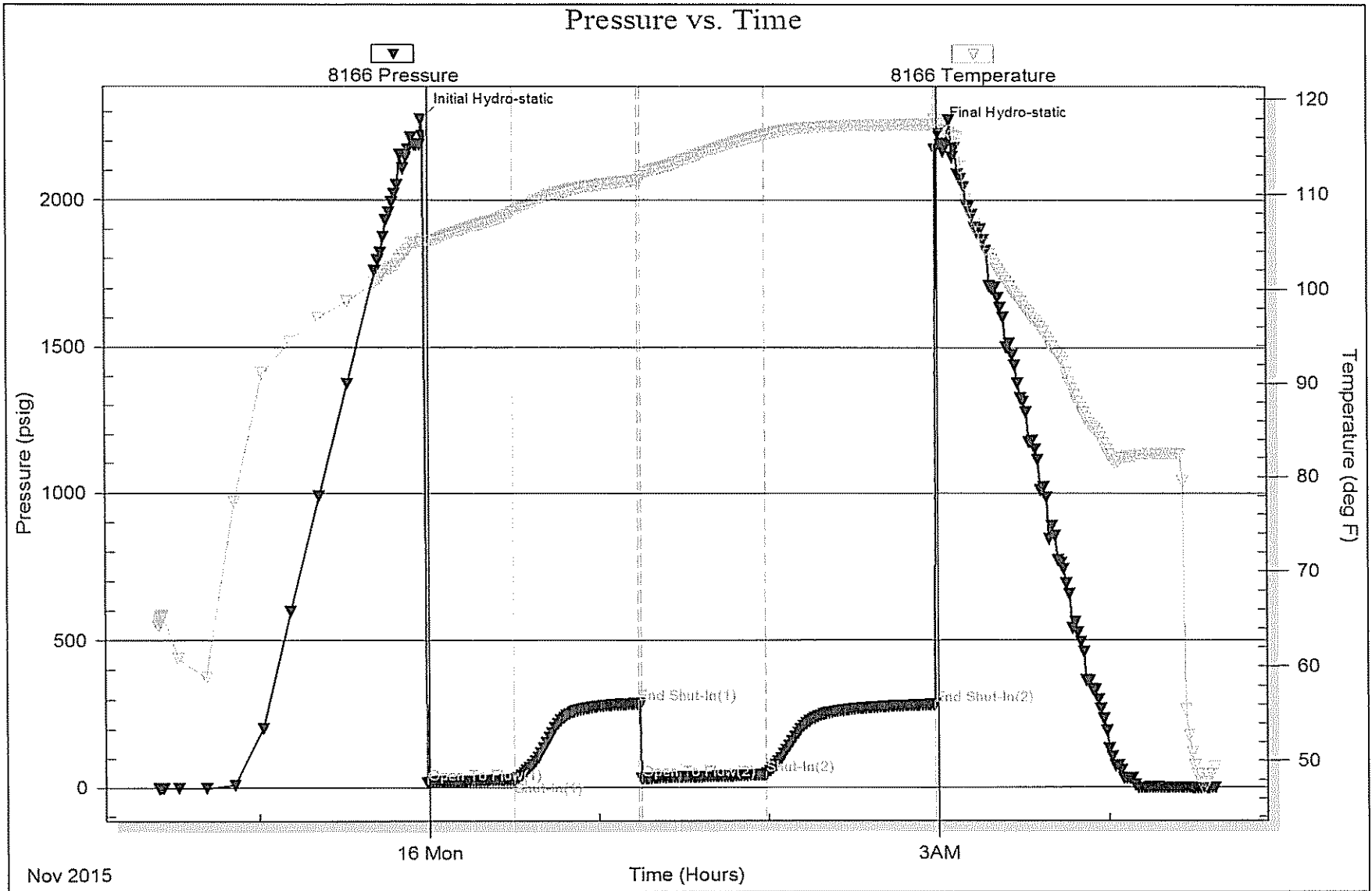
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Lario Oil & Gas Company

22-19s-33w Scott, Ks

301 S. Market St  
Wichita, Ks 67202

Clawson 1-22

Job Ticket: 61790

DST#: 4

ATTN: Bob Bayer

Test Start: 2015.11.15 @ 22:24:13

## GENERAL INFORMATION:

Formation: Marmaton B

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:59:13

Time Test Ended: 04:37:43

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4336.00 ft (KB) To 4360.00 ft (KB) (TVD)

Total Depth: 4360.00 ft (KB) (TVD)

Hole Diameter: 8.75 inches Hole Condition: Good

Reference Elevations: 2973.00 ft (KB)

2963.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8166 Outside

Press@RunDepth: 43.27 psig @ 4337.00 ft (KB)

Start Date: 2015.11.15

End Date: 2015.11.16

Start Time: 22:24:18

End Time: 04:37:42

Capacity: 8000.00 psig

Last Calib.: 2015.11.16

Time On Btm: 2015.11.15 @ 23:57:43

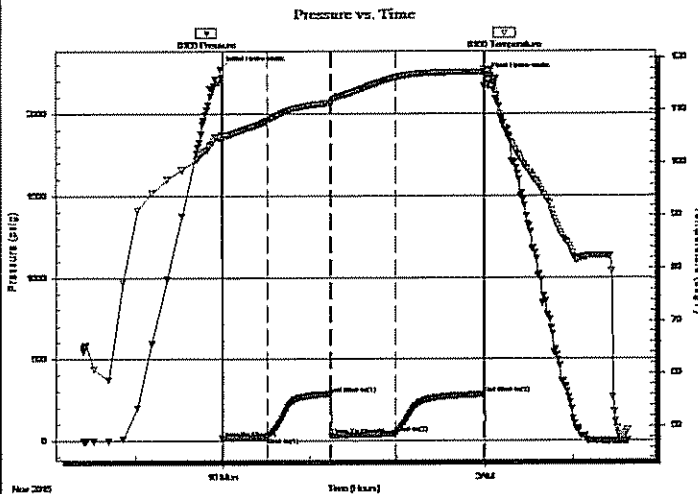
Time Off Btm: 2015.11.16 @ 03:00:13

TEST COMMENT: IF: 1/4 blow BOB in 26 min.

IS: No return.

FF: BOB in 23 min.

FS: No return.



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2273.54         | 104.91       | Initial Hydro-static |
| 2           | 15.52           | 104.07       | Open To Flow (1)     |
| 32          | 26.02           | 108.03       | Shut-In(1)           |
| 76          | 286.25          | 111.37       | End Shut-In(1)       |
| 77          | 29.34           | 111.49       | Open To Flow (2)     |
| 121         | 43.27           | 116.19       | Shut-In(2)           |
| 181         | 283.04          | 117.28       | End Shut-In(2)       |
| 183         | 2226.79         | 117.33       | Final Hydro-static   |

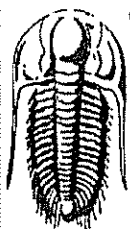
## Recovery

| Length (ft) | Description         | Volume (bbl) |
|-------------|---------------------|--------------|
| 62.00       | gocm 40%g 10%o 50%m | 0.87         |
| 15.00       | ocm 10%o 90%m       | 0.21         |
| 0.00        | 310 GIP             | 0.00         |
|             |                     |              |
|             |                     |              |

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

22-19s-33w Scott, Ks

301 S. Market St  
Wichita, Ks 67202

Clawson 1-22

Job Ticket: 61790

DST#: 4

ATTN: Bob Bayer

Test Start: 2015.11.15 @ 22:24:13

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

| Length<br>ft | Description         | Volume<br>bbf |
|--------------|---------------------|---------------|
| 62.00        | gocm 40%g 10%o 50%m | 0.870         |
| 15.00        | ocm 10%o 90%m       | 0.210         |
| 0.00         | 310 GIP             | 0.000         |

Total Length: 77.00 ft      Total Volume: 1.080 bbf

Num Fluid Samples: 0

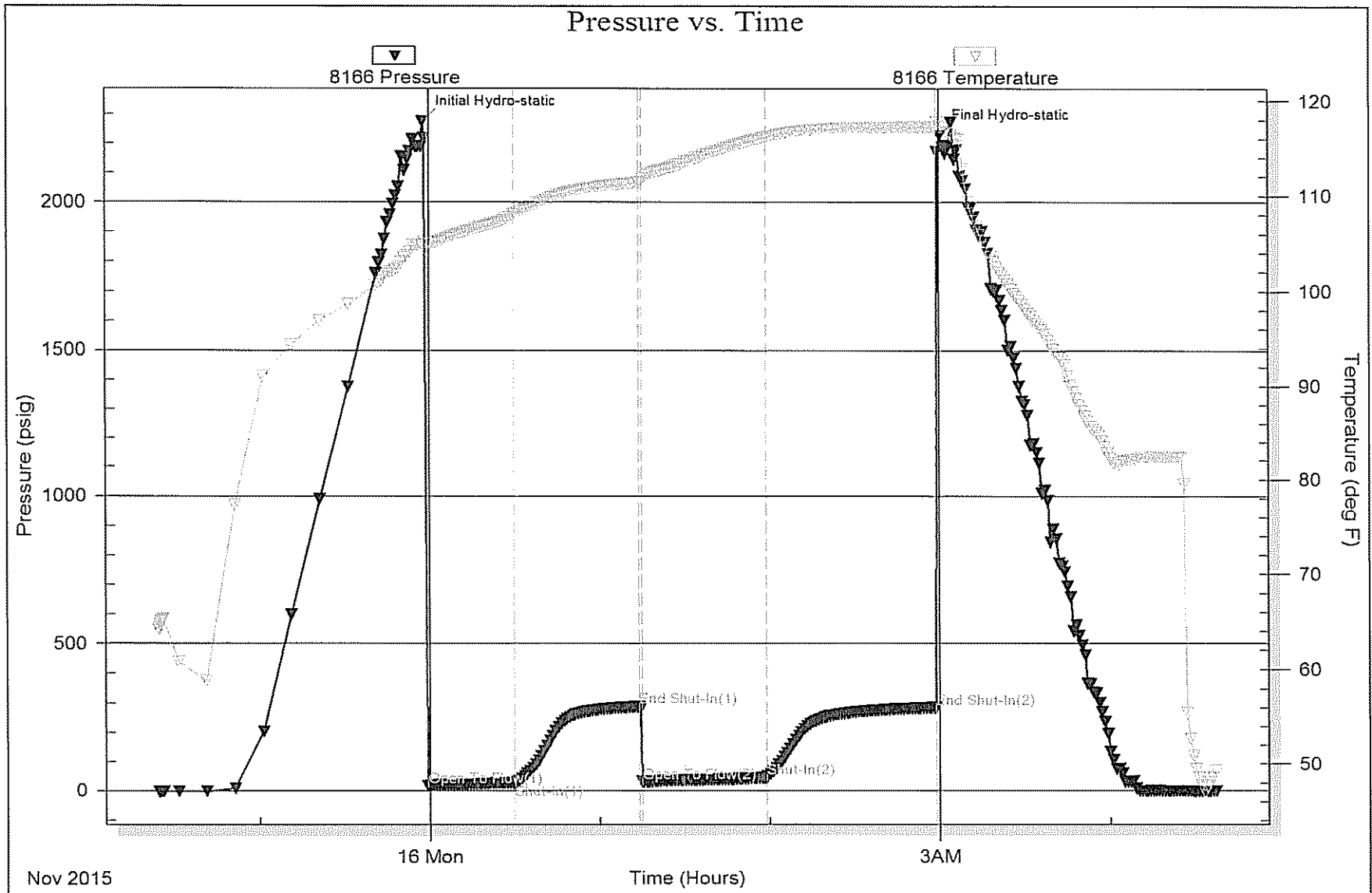
Num Gas Bombs: 0

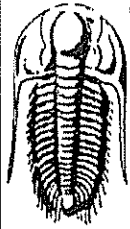
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Lario Oil & Gas Company

22-19s-33w Scott, Ks

301 S. Market St  
Wichita, Ks 67202

Clawson 1-22

Job Ticket: 61789

DST#: 3

ATTN: Bob Bayer

Test Start: 2015.11.13 @ 23:35:37

## GENERAL INFORMATION:

Formation: LKC C&D

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:09:37

Time Test Ended: 07:15:37

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 3950.00 ft (KB) To 4015.00 ft (KB) (TVD)

Total Depth: 4015.00 ft (KB) (TVD)

Hole Diameter: 8.75 inches Hole Condition: Good

Reference Elevations: 2973.00 ft (KB)

2963.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8166

Outside

Press@RunDepth: 386.00 psig @ 3951.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.11.13

End Date:

2015.11.14

Last Calib.: 2015.11.14

Start Time: 23:35:42

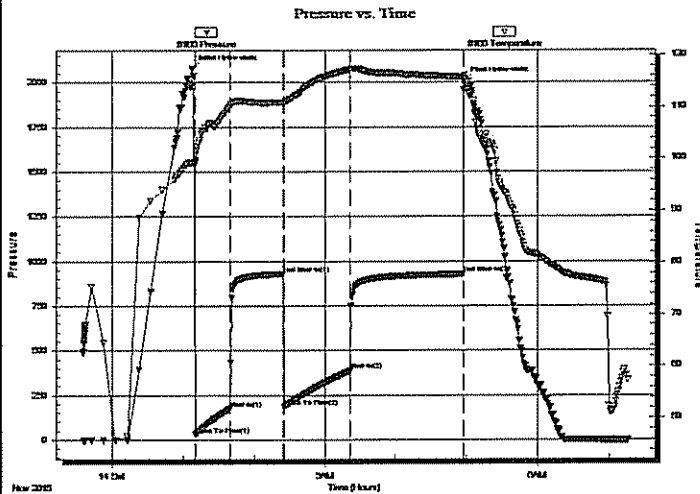
End Time:

07:15:36

Time On Btm: 2015.11.14 @ 01:07:37

Time Off Btm: 2015.11.14 @ 04:58:07

TEST COMMENT: IF: BOB in 8 min.  
IS: No return.  
FF: BOB in 11 min.  
FS: No return.



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2078.29         | 99.22        | Initial Hydro-static |
| 2           | 28.84           | 98.91        | Open To Flow (1)     |
| 32          | 175.10          | 110.06       | Shut-In(1)           |
| 77          | 929.21          | 110.90       | End Shut-In(1)       |
| 78          | 183.36          | 110.75       | Open To Flow (2)     |
| 134         | 386.00          | 117.22       | Shut-In(2)           |
| 230         | 927.04          | 115.71       | End Shut-In(2)       |
| 231         | 2008.43         | 116.08       | Final Hydro-static   |

## Recovery

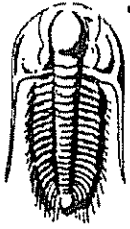
| Length (ft) | Description   | Volume (bbl) |
|-------------|---------------|--------------|
| 310.00      | mcw 80%w 20%m | 4.35         |
| 186.00      | mcw 60%w 40%m | 2.61         |
| 293.00      | mw 50%w 50%m  | 4.11         |
|             |               |              |
|             |               |              |

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil & Gas Company

22-19s-33w Scott, Ks

301 S. Market St  
Wichita, Ks 67202

Clawson 1-22

Job Ticket: 61789

DST#: 3

ATTN: Bob Bayer

Test Start: 2015.11.13 @ 23:35:37

**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:

44000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3100.00 ppm

Filter Cake: 1.00 inches

**Recovery Information**

Recovery Table

| Length<br>ft | Description   | Volume<br>bbf |
|--------------|---------------|---------------|
| 310.00       | mcw 80%w 20%m | 4.348         |
| 186.00       | mcw 60%w 40%m | 2.609         |
| 293.00       | mw 50%w 50%m  | 4.110         |

Total Length: 789.00 ft      Total Volume: 11.067 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

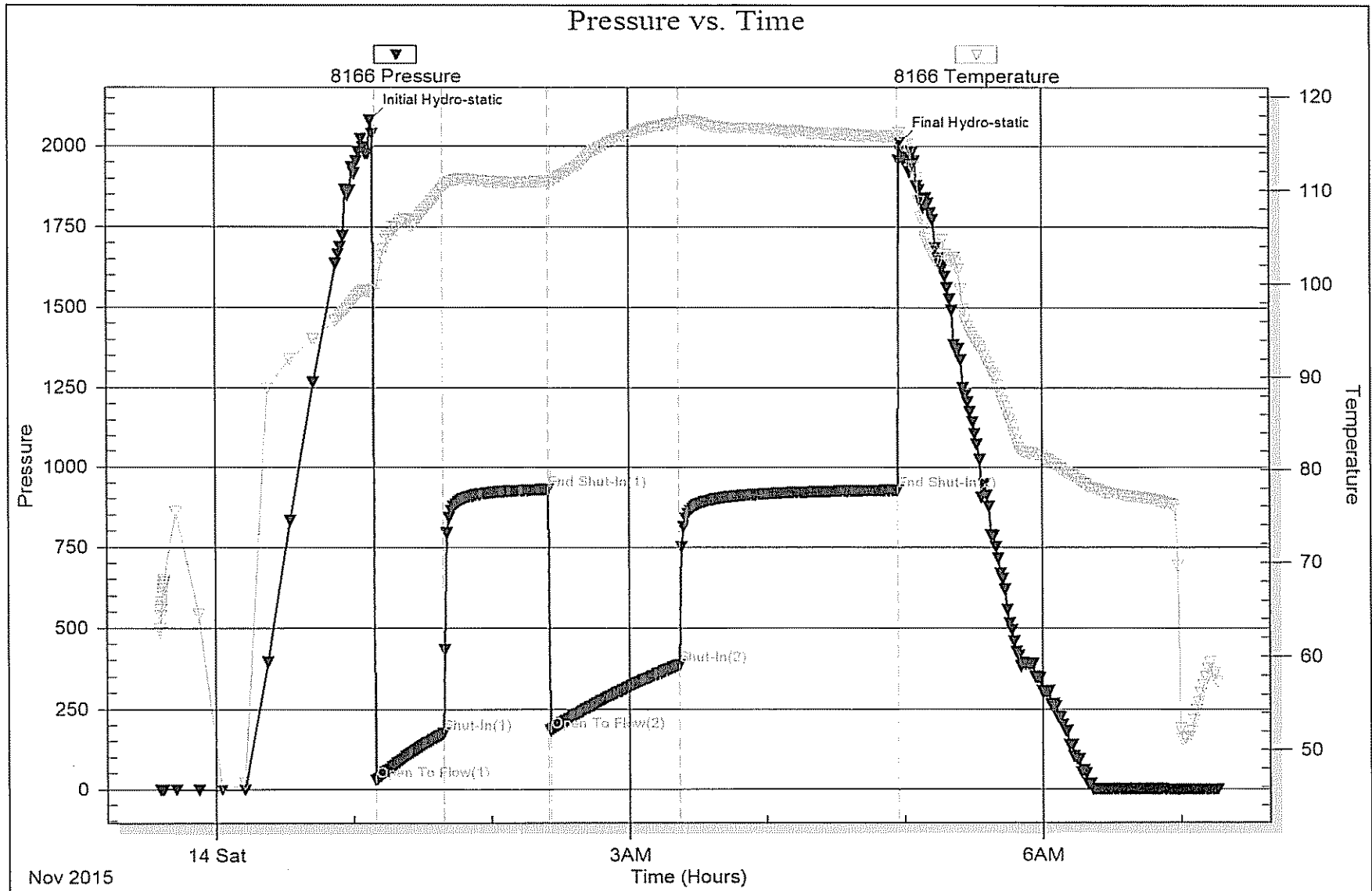
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .29@39=44000





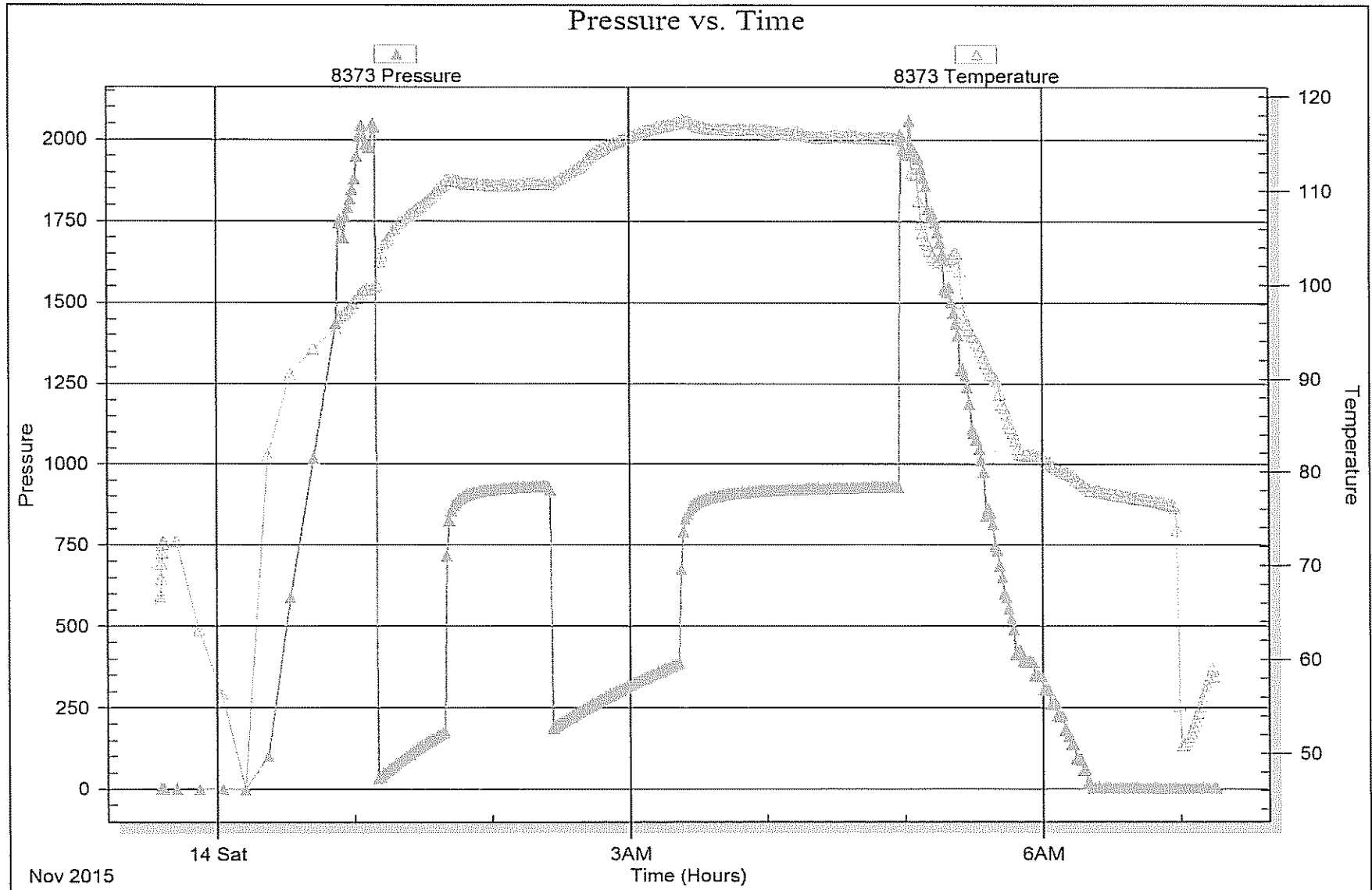
Serial #: 8373

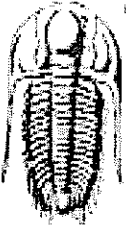
Inside

Lario Oil & Gas Company

Claw son 1-22

DST Test Number: 3





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Company

22-19s-33w Scott, Ks

301 S. Market St  
Wichita, Ks 67202

Clawson 1-22

Job Ticket: 61788

DST#: 2

ATTN: Bob Bayer

Test Start: 2015.11.13 @ 05:41:39

### GENERAL INFORMATION:

Formation: LKC B

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:33:09

Time Test Ended: 11:41:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 3920.00 ft (KB) To 3945.00 ft (KB) (TVD)

Total Depth: 3945.00 ft (KB) (TVD)

Hole Diameter: 8.75 inches Hole Condition: Good

Reference Elevations: 2973.00 ft (KB)

2963.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8166

Outside

Press@RunDepth: 18.57 psig @ 3921.00 ft (KB)

Start Date: 2015.11.13

End Date: 2015.11.13

Start Time: 05:41:44

End Time: 11:41:08

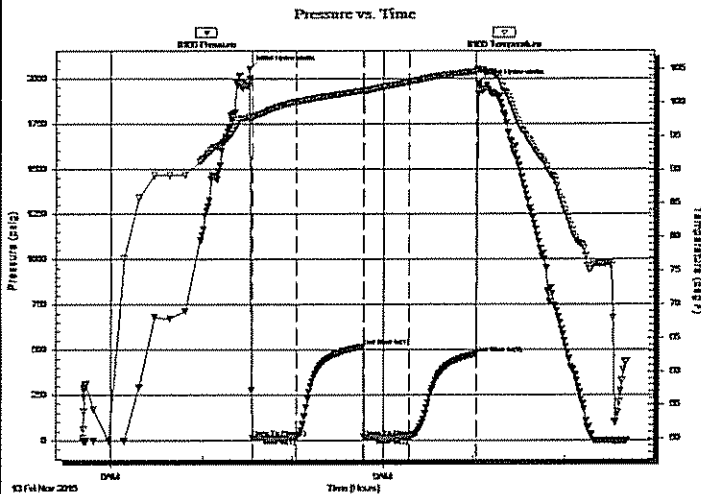
Capacity: 8000.00 psig

Last Calib.: 2015.11.13

Time On Btm: 2015.11.13 @ 07:31:09

Time Off Btm: 2015.11.13 @ 10:03:09

TEST COMMENT: IF: Surface blow died in 6 min.  
IS: No return.  
FF: No blow.  
FS: No return.



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2052.34         | 97.72        | Initial Hydro-static |
| 2           | 17.80           | 97.73        | Open To Flow (1)     |
| 31          | 17.78           | 100.09       | Shut-In (1)          |
| 76          | 517.08          | 101.78       | End Shut-In (1)      |
| 76          | 18.66           | 101.52       | Open To Flow (2)     |
| 106         | 18.57           | 103.07       | Shut-In (2)          |
| 151         | 476.60          | 104.65       | End Shut-In (2)      |
| 152         | 1971.13         | 104.85       | Final Hydro-static   |

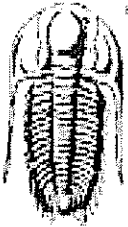
### Recovery

| Length (ft) | Description         | Volume (bbl) |
|-------------|---------------------|--------------|
| 5.00        | mud oil spots 100%m | 0.07         |
|             |                     |              |
|             |                     |              |
|             |                     |              |
|             |                     |              |

\* Recovery from multiple tests

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas Company

**22-19s-33w Scott, Ks**

301 S. Market St  
Wichita, Ks 67202

**Clawson 1-22**

Job Ticket: 61788

DST#: 2

ATTN: Bob Bayer

Test Start: 2015.11.13 @ 05:41:39

## 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: 57.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

| Length<br>ft | Description         | Volume<br>bbf |
|--------------|---------------------|---------------|
| 5.00         | mud oil spots 100%m | 0.070         |

Total Length: 5.00 ft

Total Volume: 0.070 bbf

Num Fluid Samples: 0

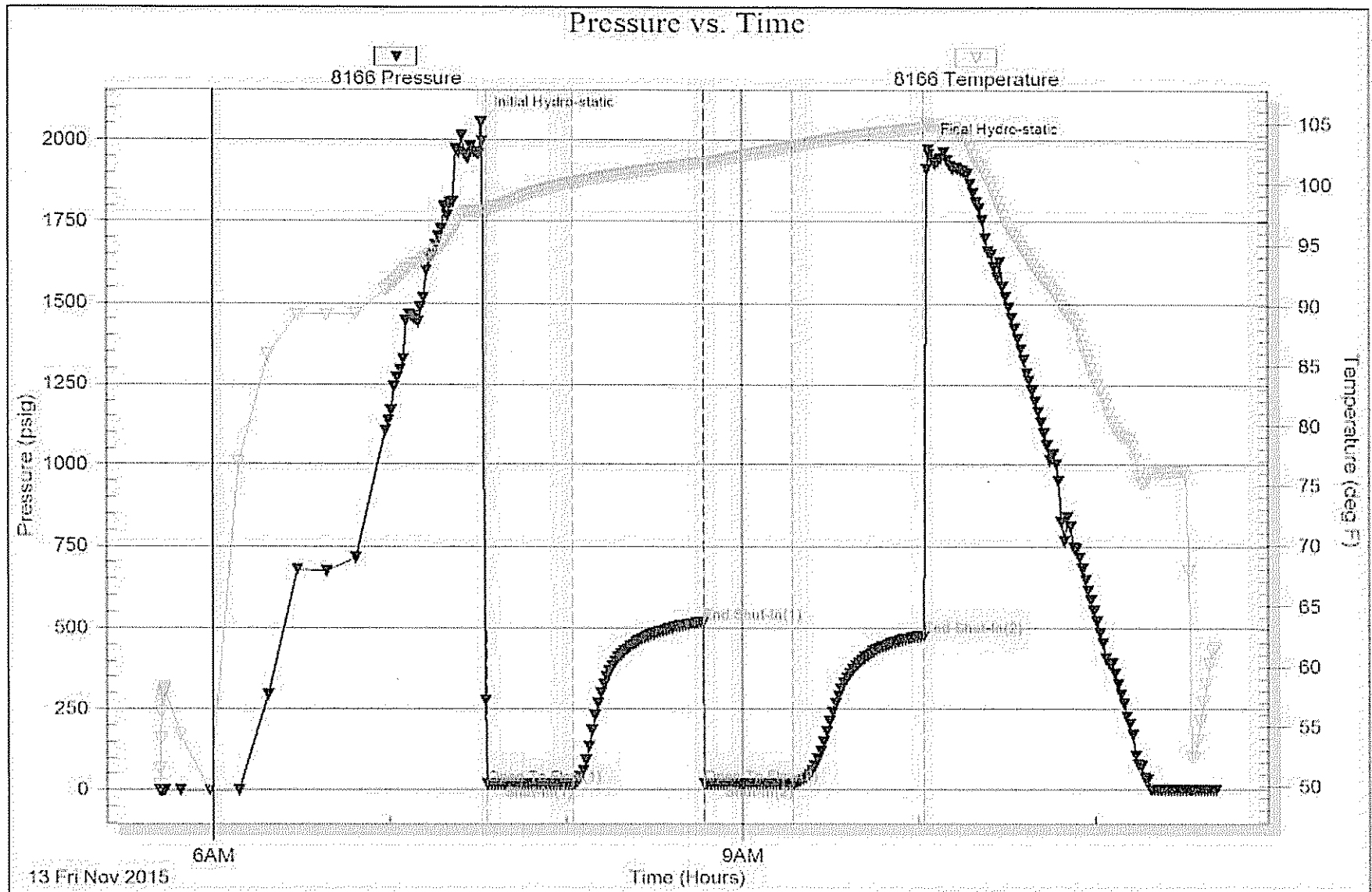
Num Gas Bombs: 0

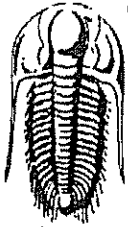
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Company  
301 S. Market St  
Wichita, Ks 67202  
ATTN: Bob Bayer

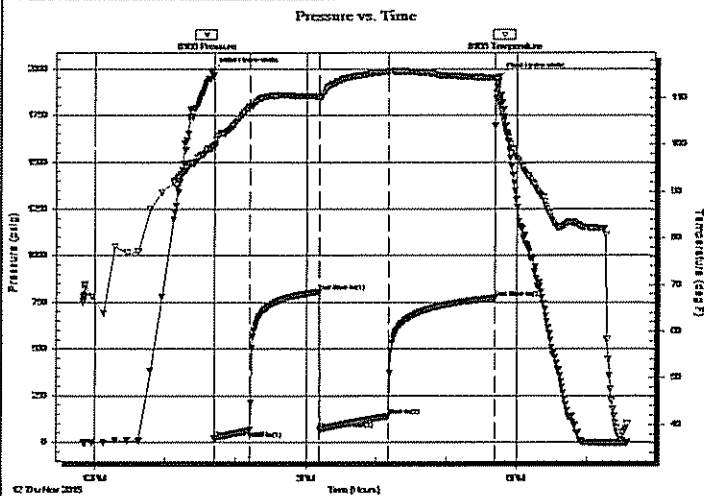
22-19s-33w Scott, Ks  
Clawson 1-22  
Job Ticket: 61787 DST#: 1  
Test Start: 2015.11.12 @ 11:50:23

### GENERAL INFORMATION:

Formation: LKC A  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 13:41:53  
Time Test Ended: 19:33:23  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Brandon Turley  
Unit No: 79  
Interval: 3874.00 ft (KB) To 3920.00 ft (KB) (TVD)  
Reference Elevations: 2973.00 ft (KB)  
Total Depth: 3920.00 ft (KB) (TVD) 2963.00 ft (CF)  
Hole Diameter: 8.75 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8166 Outside  
Press@RunDepth: 138.24 psig @ 3875.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2015.11.12 End Date: 2015.11.12 Last Calib.: 2015.11.12  
Start Time: 11:50:28 End Time: 19:33:22 Time On Btm: 2015.11.12 @ 13:39:53  
Time Off Btm: 2015.11.12 @ 17:44:53

TEST COMMENT: IF: 1/4 blow BOB in 29 min.  
IS: No return.  
FF: Surface blow BOB in 40 min.  
FS: No return.



### PRESSURE SUMMARY

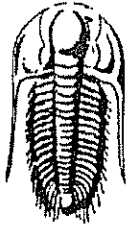
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1989.02         | 99.54        | Initial Hydro-static |
| 2           | 20.94           | 99.44        | Open To Flow (1)     |
| 32          | 64.54           | 108.20       | Shut-In(1)           |
| 91          | 806.07          | 110.36       | End Shut-In(1)       |
| 92          | 67.66           | 110.08       | Open To Flow (2)     |
| 151         | 138.24          | 115.72       | Shut-In(2)           |
| 241         | 771.64          | 114.37       | End Shut-In(2)       |
| 245         | 1956.53         | 109.65       | Final Hydro-static   |

### Recovery

| Length (ft) | Description              | Volume (bbl) |
|-------------|--------------------------|--------------|
| 186.00      | mcw 95%w 5%m             | 2.61         |
| 82.00       | w cm oil spots 30%w 70%m | 1.15         |
| 2.00        | free oil 100%o           | 0.03         |
|             |                          |              |
|             |                          |              |

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas Company

22-19s-33w Scott, Ks

301 S. Market St  
Wichita, Ks 67202

Clawson 1-22

Job Ticket: 61787

DST#: 1

ATTN: Bob Bayer

Test Start: 2015.11.12 @ 11:50:23

### 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:

48000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description              | Volume<br>bbf |
|--------------|--------------------------|---------------|
| 186.00       | mcw 95%w 5%m             | 2.609         |
| 82.00        | w cm oil spots 30%w 70%m | 1.150         |
| 2.00         | free oil 100%o           | 0.028         |

Total Length: 270.00 ft

Total Volume: 3.787 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .23@49=48000

