



1133593

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 <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____ | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample 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 <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone | | | | |
| | | | | |

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 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)*

| 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 type="checkbox"/> No |
|----------------|-------|---------|------------|---|

| | |
|---|--|
| Date of First, Resumed Production, SWD or ENHR. | Producing Method: <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: <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 <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i> | PRODUCTION INTERVAL: _____ _____ |
|--|---|---|

| | |
|-----------|-------------------------|
| Form | ACO1 - Well Completion |
| Operator | Lario Oil & Gas Company |
| Well Name | Martin Trust 1-33 |
| Doc ID | 1133593 |

All Electric Logs Run

| |
|---------|
| |
| MAI/MFE |
| MML |
| MSS |
| MDN/MPD |

| | |
|-----------|-------------------------|
| Form | ACO1 - Well Completion |
| Operator | Lario Oil & Gas Company |
| Well Name | Martin Trust 1-33 |
| Doc ID | 1133593 |

Tops

| Name | Top | Datum |
|---------------|------|-------|
| Heebner | 3960 | -792 |
| Lansing | 4008 | -840 |
| Stark Shale | 4316 | -1148 |
| Hushpuckney | 4369 | -1201 |
| Base KC | 4457 | -1289 |
| Marmaton | 4489 | -1321 |
| Pawnee | 4588 | -1420 |
| Ft. Scott | 4611 | -1443 |
| Johnson | 4720 | -1552 |
| Morrow | 4818 | -1650 |
| Basal Penn | 4898 | -1730 |
| Mississippian | 4918 | -1750 |
| St. Louis | 4950 | -1782 |

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

June 19, 2013

Jay Schweikert
Lario Oil & Gas Company
301 S MARKET ST
WICHITA, KS 67202-3805

Re: ACO1
API 15-203-20217-00-00
Martin Trust 1-33
NW/4 Sec.33-19S-35W
Wichita County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Jay Schweikert



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE Invoice # 258081

Invoice Date: 04/16/2013 Terms: 10/10/30,n/30 Page 1

LARIO OIL & GAS
P.O. BOX 1093
GARDEN CITY KS 637846
(316)265-5611

MARTIN TRUST 1-33
39433
33-19-35 drilling AFE 13-081
04-15-2013 4-19-13 LK
KS

| Part Number | Description | Qty | Unit Price | Total |
|-------------|-------------------------|--------|------------|---------|
| 1104S | CLASS "A" CEMENT (SALE) | 225.00 | 17.6500 | 3971.25 |
| 1102 | CALCIUM CHLORIDE (50#) | 634.00 | .8900 | 564.26 |
| 1118B | PREMIUM GEL / BENTONITE | 423.00 | .2500 | 105.75 |

| Sublet Performed | Description | Total |
|------------------|---------------------------|---------|
| 9996-130 | CEMENT MATERIAL DISCOUNT | -464.13 |
| 9995-130 | CEMENT EQUIPMENT DISCOUNT | -210.47 |

| Description | Hours | Unit Price | Total |
|---------------------------------|-------|------------|---------|
| 405 CEMENT PUMP (SURFACE) ✓ | 1.00 | 1085.00 | 1085.00 |
| 405 EQUIPMENT MILEAGE (ONE WAY) | 45.00 | 5.00 | 225.00 |
| T-129 TON MILEAGE DELIVERY | 1.00 | 794.70 | 794.70 |

Handwritten signatures and initials

Amount Due 7131.18 if paid after 05/16/2013

| | | | | | | | |
|--------|---------|-----------|-----|---------|---------|----|---------|
| Parts: | 4641.26 | Freight: | .00 | Tax: | 346.70 | AR | 6418.06 |
| Labor: | .00 | Misc: | .00 | Total: | 6418.06 | | |
| Sublt: | -674.60 | Supplies: | .00 | Change: | .00 | | |

Signed _____ Date _____

MARTLESVILLE, OK 915/338-0808
 EL DORADO, KS 316/322-7022
 EUREKA, KS 620/583-7664
 PONCA CITY, OK 580/762-2303
 OAKLEY, KS 785/672-8822
 OTTAWA, KS 785/242-4044
 THAYER, KS 620/839-5269
 GILLETTE, WY 307/686-4914
 CUSHING, OK 918/225-2650



CONSOLIDATED
Oil Well Services, LLC

258081

NET NUMBER 39433

LOCATION Oakley MS

FOREMAN Miles Shaw

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

MS

| DATE | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|-----------------|------------|--------------------|---------|----------|---------|---------|
| 4-15-13 | 4793 | Martin trust #1-33 | 33 | 19S | 35W | Wichita |
| CUSTOMER | | | TRUCK # | DRIVER | TRUCK # | DRIVER |
| Lario Oil & Gas | | | 405 | Jerry Y | | |
| MAILING ADDRESS | | | 5307129 | Tina W | | |
| CITY | STATE | ZIP CODE | | | | |

JOB TYPE Surface HOLE SIZE 12 1/4" HOLE DEPTH 35' CASING SIZE & WEIGHT 8 5/8 23#
 CASING DEPTH 351' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.8 SLURRY VOL 1.36 WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 2/bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

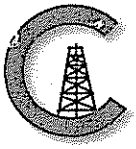
REMARKS: Safety Meeting and rig up on Duke Drilling #4 circulate casing
Mix 225 sls common Class A cement with 30 calcium chlorite
Shutdown released plug displaced 2/bbls water cement did circulate
5bbls to pit

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL |
|--------------|-------------------|------------------------------------|---------------------|---------------------|
| 54015 | 1 | PUMP CHARGE | 1085. ⁰⁰ | 1085. ⁰⁰ |
| 5406 | 45 | MILEAGE | 5. ⁰⁰ | 225. ⁰⁰ |
| 5407A | 10.57 Tons | Ton Mileage delivery | 46.7 | 794.90 |
| 11045 | 225 sls | Common Class A Cement | 17.65 | 3971.25 |
| 1102 | 634 # | Calcium Chlorite | .89 | 564.26 |
| 118B | 423 # | Bentonite gel | .25 | 105.75 |
| | | | Subtotal | 6745.96 |
| | | | less 10% discount | 6071.36 |
| | | | Subtotal | 6071.36 |
| | | | SALES TAX | 341.70 |
| | | | ESTIMATED TOTAL | 6418.06 |

Revin 3737

AUTHORIZATION [Signature] TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # 258361

Invoice Date: 04/30/2013 Terms: 15/15/30,n/30 Page 1

LARIO OIL & GAS
P.O. BOX 1093
GARDEN CITY KS 637846
(316)265-5611

MARTIN TRUST 1-33
39921
33-19-35
04-27-2013
KS

long string pipe set
AFE-13-081
CK 5/2/13

| Part Number | Description | Qty | Unit Price | Total |
|-------------|--------------------------|---------|------------|---------|
| 1126 | OIL WELL CEMENT | 265.00 | 22.5500 | 5975.75 |
| 1110A | KOL SEAL (50# BAG) | 1325.00 | .5600 | 742.00 |
| 1131 | 60/40 POZ MIX | 525.00 | 15.1000 | 7927.50 |
| 1118B | PREMIUM GEL / BENTONITE | 3948.00 | .2500 | 987.00 |
| 1107 | FLO-SEAL (25#) | 263.00 | 2.8200 | 741.66 |
| 1144G | MUD FLUSH (SALE) | 500.00 | 1.0000 | 500.00 |
| 4253 | TYPE A PACKER SHOE61/2X6 | 1.00 | 1760.0000 | 1760.00 |
| 4454 | 5 1/2" LATCH DOWN PLUG | 1.00 | 567.0000 | 567.00 |
| 4130 | CENTRALIZER 5 1/2" | 13.00 | 58.0000 | 754.00 |
| 4104 | CEMENT BASKET 5 1/2" | 1.00 | 276.0000 | 276.00 |
| 4277 | DV TOOL SIZE 5 1/2" (STA | 1.00 | 4800.0000 | 4800.00 |

| Sublet Performed | Description | Total |
|------------------|---------------------------|----------|
| 9996-130 | CEMENT MATERIAL DISCOUNT | -3754.64 |
| 9995-130 | CEMENT EQUIPMENT DISCOUNT | -881.29 |

| Description | Hours | Unit Price | Total |
|---------------------------------|-------|------------|---------|
| 460 TON MILEAGE DELIVERY | 1.00 | 876.75 | 876.75 |
| 463 SINGLE PUMP | 1.00 | 3020.00 | 3020.00 |
| 463 EQUIPMENT MILEAGE (ONE WAY) | 45.00 | 5.00 | 225.00 |
| 528 TON MILEAGE DELIVERY | 1.00 | 876.75 | 876.75 |
| 693 TON MILEAGE DELIVERY | 1.00 | 876.75 | 876.75 |

Amount Due 32983.73 if paid after 05/30/2013

| | | | | | | | |
|--------|----------|-----------|-----|---------|----------|----|----------|
| Parts: | 25030.91 | Freight: | .00 | Tax: | 1765.93 | AR | 28036.16 |
| Labor: | .00 | Misc: | .00 | Total: | 28036.16 | | |
| Sublt: | -4635.93 | Supplies: | .00 | Change: | .00 | | |

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

258361

TICKET NUMBER 39921

LOCATION OKley KS

FOREMAN Fuzzy

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

KS

| DATE | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|------------------------------|------------|--------------------|-----------------------------|----------|-------|---------|
| 4-27-13 | 4793 | Martin Trust 1-33 | 33 | 19S | 35W | Wichita |
| CUSTOMER Harris Oil & Gas | | | MARIOTT S-1st P | | | |
| MAILING ADDRESS | | | 16 Palat 1/2 W 5th | | | |
| CITY | | | STATE | | | |
| ZIP CODE | | | RATE | | | |

JOB TYPE 2-stage HOLE SIZE 7 7/8 HOLE DEPTH 5200' CASING SIZE & WEIGHT 5 1/2 14#
 CASING DEPTH 5099' DRILL PIPE _____ TUBING _____ #67 OTHER DU @ 2365 68
 SLURRY WEIGHT 14-12.5 SLURRY VOL 1.42-1.89 WATER gal/sk _____ CEMENT LEFT in CASING 42 1/2
 DISPLACEMENT 123.4 DISPLACEMENT PSI _____ MIX PSI _____

REMARKS: Safety meeting on Duke #4 float equip cent. 1, 4, 7, 10, 13, 16, 19.
 22, 25, 28, 31, 66, 68 Basket Top of #66 DU Tool Top of #67 Ricop and
 circulate 45 min 5th packer shoe @ 500 PSI circ 45 min, Pump 5 BBL water 500 gal
 mud flush, 5 BBL water mix 26 SSKs o/w c w/ 50 gal seal, wash pump and lines
 Drop plug and displace 6 5/2 BBL water, 5 9/2 mud 1000' lift bands 1500'
 Drop DU Bomb unit 12 min open DU tool @ 900' circ 3 hrs, Pump 5 BBL water
 mix 30 SSKs RH, mix 495 SSKs 60/40 89 gal 1/2" closal, wash pump and
 lines. Drop plug and displace 56 3/4 BBL water, 800' lift, close DU tool @
 1700' cement did circulate approx 50 BBLs to pit.

Thank Fuzzy & crew

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL |
|--------------|-------------------|------------------------------------|--------------------|---------------------|
| 5401C | 1 | PUMP CHARGE | 3020 ⁰⁰ | 3020 ⁰⁰ |
| 5406 | 45 | MILEAGE | 5 ⁰⁰ | 225 ⁰⁰ |
| 5407A | 35 ton | Top mileage Delivery | 1 ⁶⁷ | 2630 ²⁵ |
| 1126 | 26 SSKs | OWC | 22 ⁵⁵ | 5975 ⁷⁵ |
| 1110A | 1325# | 120 seal | 1 ⁵⁶ | 742 ⁰⁰ |
| 1131 | 52 SSKs | 60/40 pos | 15 ¹⁰ | 7927 ⁵⁰ |
| 1118B | 3948# | Bentonite | 1 ²⁵ | 987 ⁰⁰ |
| 1107 | 263# | Floccal | 2 ⁸² | 741 ⁶⁶ |
| 1144G | 500 gal | mud flush | 1 ⁰⁰ | 500 ⁰⁰ |
| 4253 | 1 | 5 1/2 - Packer shoe | 1760 ⁰⁰ | 1760 ⁰⁰ |
| 4454 | 1 | 5 1/2 - Latchdown Assy (w) | 567 ⁰⁰ | 567 ⁰⁰ |
| 4130 | 13 | 5 1/2 - Centralizers (w) | 58 ⁰⁰ | 754 ⁰⁰ |
| 4104 | 1 | 5 1/2 - Basket (w) | 276 ⁰⁰ | 276 ⁰⁰ |
| 4277 | 1 | 5 1/2 - DU Tool (w) | 4800 ⁰⁰ | 4800 ⁰⁰ |
| | | subtotal | | 30906 ¹⁶ |
| | | less 1590 | | 4635 ²⁶ |
| | | subtotal | | 26270 ²³ |
| | | SALES TAX | | 1765 ⁹³ |
| | | ESTIMATED TOTAL | | 28036 ¹⁶ |

Completed

Revin 3737

AUTHORIZATION Jim Gallagher TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

33-19s-35w Wichita Co. KS

301 S Market ST
Wichita KS, 67202-3805

Martin Trust # 1-33

Job Ticket: 53055 DST#: 1

ATTN: Brad Rine

Test Start: 2013.04.22 @ 10:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbf |
|--------------|---------------------------|---------------|
| 0.00 | 186 Feet Gas In Pipe | 0.000 |
| 113.00 | gcmow 10%G 20%M 30%O 40%W | 1.585 |
| 62.00 | gcow m 5%G 5%O 30%W 60%M | 0.870 |

Total Length: 175.00 ft Total Volume: 2.455 bbf

Num Fluid Samples: 0

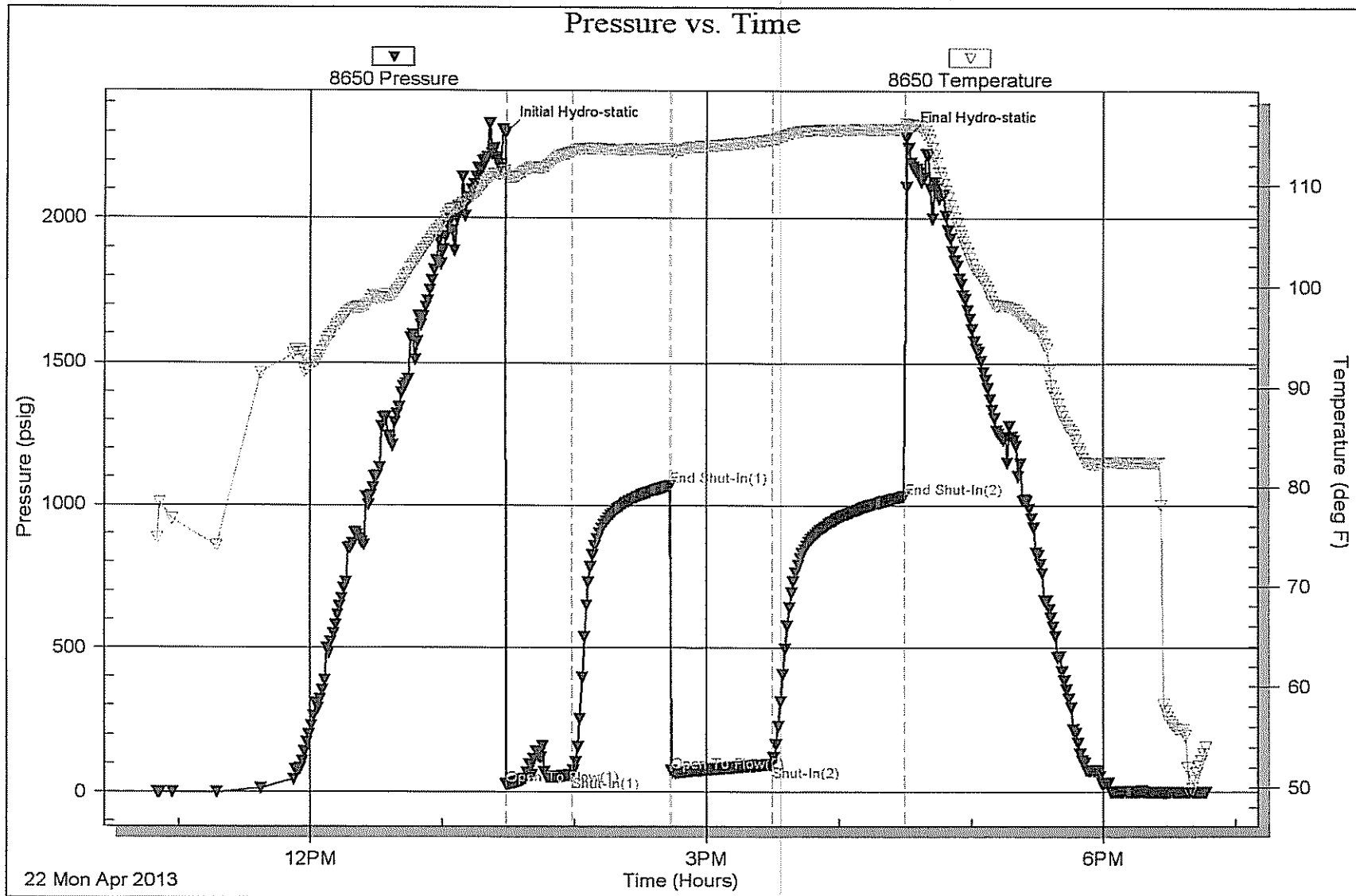
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .30 @ 40 F = 40,000





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company
 301 S Market ST
 Wichita KS, 67202-3805
 ATTN: Brad Rine

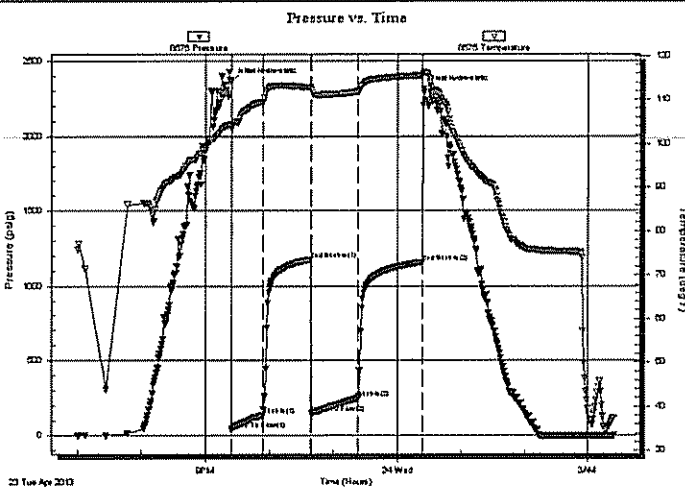
33-19s-35w Wichita Co. KS
Martin Trust # 1-33
 Job Ticket: 53056 DST#: 2
 Test Start: 2013.04.23 @ 19:00:00

GENERAL INFORMATION:

Formation: **Marmaton, Pawnee, Fo**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:24:15
 Time Test Ended: 03:24:30
 Interval: **4548.00 ft (KB) To 4630.00 ft (KB) (TVD)**
 Total Depth: **4630.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jace McKinney
 Unit No: 46
 Reference Elevations: 3168.00 ft (KB)
 3159.00 ft (CF)
 KB to GRVCF: 9.00 ft

Serial #: 8675 Inside
 Press@RunDepth: 249.47 psig @ 4553.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.04.23 End Date: 2013.04.24 Last Calib.: 2013.04.24
 Start Time: 19:00:15 End Time: 03:24:30 Time On Btm: 2013.04.23 @ 21:24:00
 Time Off Btm: 2013.04.24 @ 00:25:00

TEST COMMENT: B.O.B. in 5 min.
 Bled off for 5 min. Weak surface return blow
 B.O.B. in 5 min.
 Bled off for 5 min. B.O.B. in 12 min.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2365.77 | 104.32 | Initial Hydro-static |
| 1 | 38.65 | 103.52 | Open To Flow (1) |
| 30 | 132.40 | 109.45 | Shut-in(1) |
| 75 | 1174.26 | 112.71 | End Shut-in(1) |
| 76 | 147.93 | 112.09 | Open To Flow (2) |
| 119 | 249.47 | 111.90 | Shut-in(2) |
| 180 | 1156.89 | 115.51 | End Shut-in(2) |
| 181 | 2315.20 | 116.27 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------|--------------|
| 0.00 | 620 Feet Gas In Pipe | 0.00 |
| 154.00 | ocm 40% 60%M | 2.16 |
| 186.00 | mco 10%M 40%G 50%O | 2.61 |
| 186.00 | gco 30%G 70%O | 2.61 |
| | | |

* 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

33-19s-35w Wichita Co. KS

301 S Market ST
Wichita KS, 67202-3805

Martin Trust # 1-33

Job Ticket: 53056

DST#: 2

ATTN: Brad Rine

Test Start: 2013.04.23 @ 19:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|----------------------|----------------|
| 0.00 | 620 Feet Gas In Pipe | 0.000 |
| 154.00 | ocm 40% 60%M | 2.160 |
| 186.00 | mcgo 10%M 40%G 50%O | 2.609 |
| 186.00 | gco 30%G 70%O | 2.609 |

Total Length: 526.00 ft Total Volume: 7.378 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 29 @ 30 F = 32

