



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1088635
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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 SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- 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 ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

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
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1088635

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift 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 <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	KU Endowment 1-33
Doc ID	1088635

Tops

Name	Top	Datum
Heebner	3964	-947
Lansing	4002	-985
Stark Sh	4268	-1251
Hushpuckney	4315	-1298
Base KC	4364	-1347
Marmaton	4402	-1385
Pawnee	4479	-1462
Ft. Scott	4503	-1486
Johnson	4592	-1575
Morrow	4629	-1612
Basal Penn	4647	-1630
Mississippian	4667	-1650

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

Sam Brownback, Governor

August 23, 2012

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

Re: ACO1
API 15-109-21117-00-00
KU Endowment 1-33
SW/4 Sec.33-15S-32W
Logan 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

PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 132251
Invoice Date: Aug 7, 2012
Page: 1



Bill To:
Lario Oil & Gas Co. P.O. Box 1093 Garden City, KS 67846

drilling
AFE 12-183
8-19-12 LK

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Lario	KU Endowment #1-33	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Aug 7, 2012	9/6/12

Quantity	Item	Description	Unit Price	Amount
123.00	MAT	Class A Common	16.25	1,998.75
82.00	MAT	Pozmix	8.50	697.00
7.00	MAT	Gel	21.25	148.75
51.00	MAT	Flo Seal	2.70	137.70
220.17	SER	Cubic Feet	2.10	462.36
275.70	SER	Ton Mileage	2.35	647.90
1.00	SER	Plug to Abandon	1,250.00	1,250.00
30.00	SER	Pump Truck Mileage	7.00	210.00
30.00	SER	Light Vehicle Mileage	4.00	120.00
1.00	EQP	8.5/8 Wooden Plug	92.00	92.00
1.00	CEMENTER	LaRene Wentz		
1.00	EQUIP OPER	Tyler Flipse		
1.00	OPER ASSIST	Adam Holcomb		

Surface Cut
all
LC
AUG 22 2012
all
LC

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 1152.89

ONLY IF PAID ON OR BEFORE
Sep 1, 2012

Subtotal	5,764.46
Sales Tax	449.63
Total Invoice Amount	6,214.09
Payment/Credit Applied	
TOTAL	6,214.09

ALLIED CEMENTING CO., LLC. 034524A

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Dakota, KS

DATE <i>8-7-12</i>	SEC. <i>33</i>	TWP. <i>15</i>	RANGE <i>32</i>	CALLED OUT	ON LOCATION <i>8:00am</i>	JOB START <i>11:00am</i>	JOB FINISH <i>12:40pm</i>
LEASE <i>RUBSudamant</i>	WELL # <i>1-33</i>	LOCATION <i>Dakota, 5 to Scott Co Line</i>			COUNTY <i>Hogan</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one) <u>NEW</u>				<i>1.03</i>			

7.8 all

CONTRACTOR *Pickard #50* OWNER *Same*

TYPE OF JOB *PTA*

HOLESIZE *7 7/8* TD. *49251*

CASING SIZE DEPTH

TUBING SIZE DEPTH

DRILL PIPE *4 1/2* DEPTH *29201*

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOBJOINT

CEMENT LEFT IN CSO.

PERFS.

DISPLACEMENT *80.86 bbl*

CEMENT AMOUNT ORDERED *205 sks 694048gal*

1/4 # flo seal

EQUIPMENT

PUMP TRUCK CEMENTER *hookane wantl*

420/281 HELPER *Tyler Fipse*

BULK TRUCK

349 DRIVER *Adam Holcomb*

BULK TRUCK DRIVER

COMMON	<i>123 sks @ 16.25</i>	<i>1998.75</i>
POZMIX	<i>82 sks @ 8.50</i>	<i>692.00</i>
GBL	<i>7 sks @ 21.25</i>	<i>148.75</i>
CHLORIDE	@	
ASC	@	
<i>flo seal 51 # @ 2.70</i>	<i>137.70</i>	
HANDLING <i>220 sks @ 2.10</i>	<i>462.00</i>	
MILBOB <i>2176 sks @ 3.35</i>	<i>7287.60</i>	
TOTAL		<i>4092.46</i>

REMARKS:

MIX 25 sks at 24201

MIX 100 sks at 18101

MIX 40 sks at 2201

MIX 10 sks w/ plug top of hole

MIX 300 sks in rest hole

275.70

SERVICE

DEPTH OF JOB *2920*

PUMP TRUCK CHARG *1250.00*

EXTRA FOOTAGE @

MILBOB *30 @ 7.00 210.00*

MANIFOLD @

L.O. Mileage 30 @ 4.00 120.00

TOTAL *1580.00*

CHAROB TO: *Lario Oil & Gas Co*

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

wooden plug @ 92.00

@

@

@

@

TOTAL *92.00*

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) 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 and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (if Any) *449.27*

TOTAL CHARGES *5764.46*

DISCOUNT *20 1152.89* IF PAID IN 30 DAYS

PRINTED NAME *Mike Korn*

SIGNATURE *Mike Korn*



PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 132089
Invoice Date: Jul 24, 2012
Page: 1

Bill To:
Lario Oil & Gas Co. P.O. Box 1093 Garden City, KS 67846


*Drilling
APB-12-183
CK 8/6/12*



Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Lario	KU Endowment #1-33	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jul 24, 2012	8/23/12

Quantity	Item	Description	Unit Price	Amount
165.00	MAT	Class A Common	16.25	2,681.25
3.00	MAT	Gel	21.25	63.75
6.00	MAT	Chloride	58.20	349.20
178.40	SER	Cubic Feet	2.10	374.64
203.57	SER	Ton Mileage	2.35	478.40
1.00	SER	Surface	1,125.00	1,125.00
25.00	SER	Pump Truck Mileage	7.00	175.00
25.00	SER	Light Vehicle Mileage	4.00	100.00
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	OPER ASSIST	Chris Helpingstine		

*ack
ykt*



*ack
ykt*

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 1497.22

ONLY IF PAID ON OR BEFORE
Aug 18, 2012

Subtotal	5,347.24
Sales Tax	241.35
Total Invoice Amount	5,588.59
Payment/Credit Applied	
TOTAL	5,588.59

ALLIED OIL & GAS SERVICES, LLC 056772

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Oakley, KS

DATE <i>7/24/12</i>	SEC <i>33</i>	TWP <i>15</i>	RANGE <i>32</i>	CALLED OUT	ON LOCATION	JOB START <i>1:30pm</i>	JOB FINISH <i>2:00pm</i>
LEASE <i>R/R Feedlot, most</i>	WELL # <i>1-33</i>	LOCATION <i>Oakley 570 Scott/Logan Cr. Ave</i>			COUNTY <i>Logan</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)		<i>1W 1/2 N 14W S10</i>					

CONTRACTOR *Picklerall #100* OWNER *Same* 1.01 7.8

TYPE OF JOB *Surface*

HOLE SIZE <i>12 1/4</i>	T.D. <i>225</i>	CEMENT AMOUNT ORDERED <i>165 lb from 370 cc</i>
CASINO SIZE <i>8 5/8</i>	DEPTH <i>225</i>	
TUBING SIZE	DEPTH	<i>200 gal</i>
DRILL PIPE <i>4 1/2</i>	DEPTH	
TOOL	DEPTH	

PRES. MAX	MINIMUM	COMMON <i>165</i>	@ <i>16.25</i>	<i>2681.25</i>
MEAS. LINE	SHOE JOINT	POZMIX	@	
CEMENT LEFT IN CSO. <i>15'</i>		OIL	@ <i>21.25</i>	<i>63.75</i>
PERFS.		CHLORIDE <i>6</i>	@ <i>57.20</i>	<i>343.20</i>
DISPLACEMENT <i>13,327</i>		ASC	@	

EQUIPMENT

PUMP TRUCK	CEMENTER <i>Alvin Ryan 1</i>	
<i>404</i>	HELPER <i>Wayne Mahogany 3</i>	
BULK TRUCK		
<i>404</i>	DRIVER <i>Chris Helpling 3</i>	
BULK TRUCK		
<i>404</i>	DRIVER	

HANDLING *178.4 CE @ 2.20 = 394.48*

MILEAGE *25 miles @ 8.14 = 203.50*

TOTAL *394.48 + 203.50 = 597.98*

REMARKS:
Run Cas, Circulate Max Cement, Displace cement 5' in

Cement did circulate

Frank Va
Wayne, Chris

CHARGE TO: *Logan Oil & Gas*

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<i>225'</i>
PUMP TRUCK CHARGE	<i>1125.00</i>
EXTRA FOOTAGE	@ _____
MILEAGE <i>25</i>	@ <i>5.00</i> <i>125.00</i>
MANIFOLD	@ _____
<i>Estelbach</i> <i>25</i>	@ <i>4.00</i> <i>100.00</i>

TOTAL *1400.00*

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) 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 and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME *Mike Kern*

SIGNATURE *Mike Kern*

PLUG & FLOAT EQUIPMENT

_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____

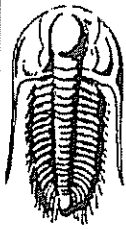
TOTAL _____

SALES TAX (If Any) *241.34*

TOTAL CHARGES *5,847.24*

DISCOUNT *1497.22* IF PAID IN 30 DAYS

2896 Bid



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas
301 S Market St
Wichita KS 67202
ATTN: Tim Lauer

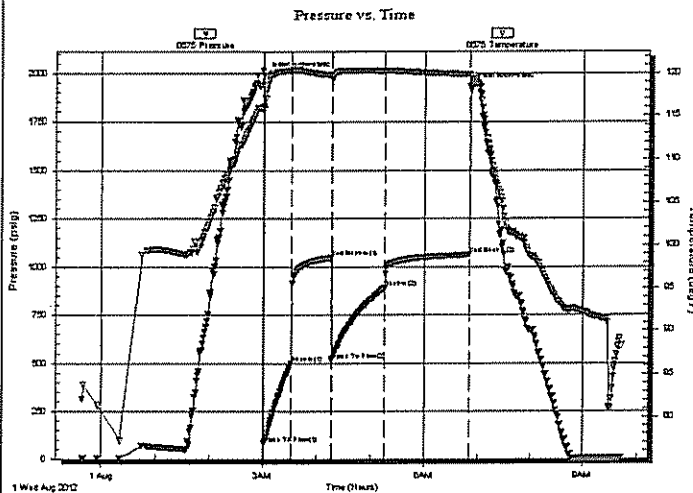
33-15s-32w-Logan
KU Endowment #1-33
Job Ticket: 48338 DST#: 1
Test Start: 2012.07.31 @ 23:38:15

GENERAL INFORMATION:

Formation: LKC- "B&C"
Deviated: No Whipstock ft (KB)
Time Tool Opened: 03:01:15
Time Test Ended: 09:43:30
Test Type: Conventional Bottom Hole (Initial)
Tester: Tale Lang
Unit No: 46
Interval: 4029.00 ft (KB) To 4075.00 ft (KB) (TVD)
Reference Elevations: 3017.00 ft (KB)
Total Depth: 4075.00 ft (KB) (TVD) 3010.00 ft (CF)
Hole Diameter: 6.77 inches Hole Condition: Good KB to GR/CF: 7.00 ft

Serial #: 8675 Inside
Press@RunDepth: 888.98 psig @ 4030.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.07.31 End Date: 2012.08.01 Last Calib.: 2012.08.01
Start Time: 23:38:30 End Time: 09:43:30 Time On Btm: 2012.08.01 @ 03:00:45
Time Off Btm: 2012.08.01 @ 06:51:15

TEST COMMENT: IF-B.O.B. 2mins
IS-Bled off for 5mins Weak Surface Blow
FF-B.O.B. 2 1/2 mins
FSI-Bled off for 5mins No Return Blow



PRESSURE SUMMARY

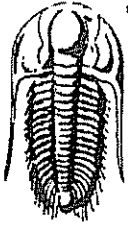
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1992.79	116.13	Initial Hydro-static
1	81.35	115.78	Open To Flow (1)
31	497.04	120.30	Shut-In(1)
76	1045.72	119.78	End Shut-In(1)
76	511.72	119.41	Open To Flow (2)
136	888.98	120.24	Shut-In(2)
230	1062.42	119.83	End Shut-In(2)
231	1930.76	119.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
868.00	90%W 10%M With oil spots	12.18
620.00	60%W 40%M With oil spots	8.70
496.00	100%W	6.96
2.00	100% Free Oil	0.03
0.00	310 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas
301 S Market St
Wichita KS 67202

ATTN: Tim Lauer

33-15s-32w-Logan
KU Endowment #1-33
Job Ticket: 48338 DST#: 1
Test Start: 2012.07.31 @ 23:38:15

Mud and Cushion Information

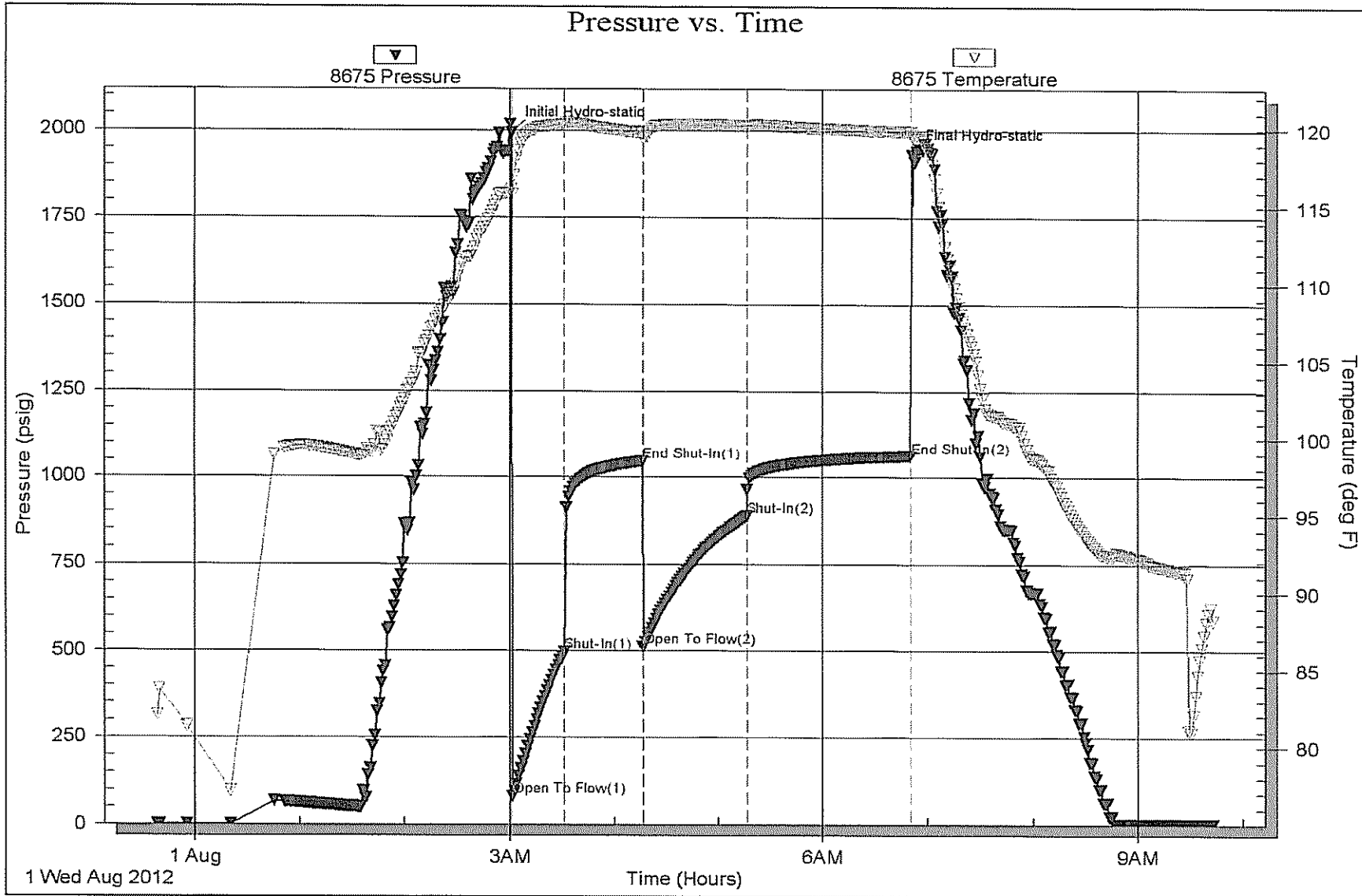
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.46 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: inches			

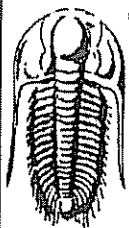
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
868.00	90%W 10%M With oil spots	12.176
620.00	60%W 40%M With oil spots	8.697
496.00	100%W	6.958
2.00	100% Free Oil	0.028
0.00	310 GIP	0.000

Total Length: 1986.00 ft Total Volume: 27.859 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
301 S Market St
Wichita KS 67202
ATTN: Tim Lauer

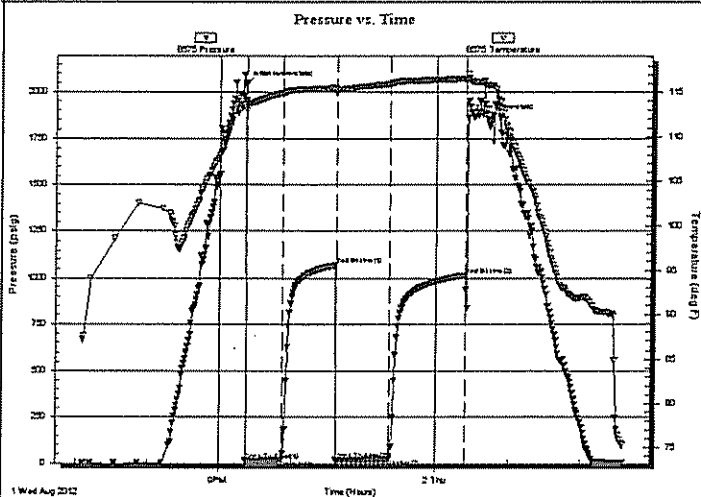
33-15s-32w-Logan
KU Endowment #1-33
Job Ticket: 48339 DST#: 2
Test Start: 2012.08.01 @ 19:05:19

GENERAL INFORMATION:

Formation: LCK- "D"
Deviated: No Whipstock ft (KB)
Time Tool Opened: 21:21:49
Time Test Ended: 02:35:49
Interval: 4080.00 ft (KB) To 4110.00 ft (KB) (TVD)
Total Depth: 4110.00 ft (KB) (TVD)
Hole Diameter: 6.77 inches
Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Tate Lang
Unit No: 46
Reference Elevations: 3017.00 ft (KB)
3010.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8675 Inside
Press@RunDepth: 23.21 psig @ 4081.00 ft (KB)
Start Date: 2012.08.01 End Date: 2012.08.02
Start Time: 19:05:34 End Time: 02:35:49
Capacity: 8000.00 psig
Last Calib.: 2012.08.02
Time On Blm: 2012.08.01 @ 21:21:34
Time Off Blm: 2012.08.02 @ 00:26:19

TEST COMMENT: IF-Weak Surface Blow Built to 1/4 in
ISI-Dead No Blow Back
FF-Bubbled When Open Then Died
FSI-Dead No BLOW Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2038.92	114.09	Initial Hydro-static
1	15.42	112.95	Open To Flow (1)
31	19.33	114.87	Shut-In(1)
75	1069.07	115.53	End Shut-In(1)
75	18.76	114.94	Open To Flow (2)
120	23.21	115.95	Shut-In(2)
184	1016.01	116.55	End Shut-In(2)
185	1856.53	117.11	Final Hydro-static

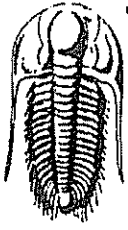
Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% M	0.14

* 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
301 S Market St
Wichita KS 67202

ATTN: Tim Lauer

33-15s-32w-Logan
KU Endowment #1-33
Job Ticket: 48339 DST#: 2
Test Start: 2012.08.01 @ 19:05:19

Mud and Cushion Information

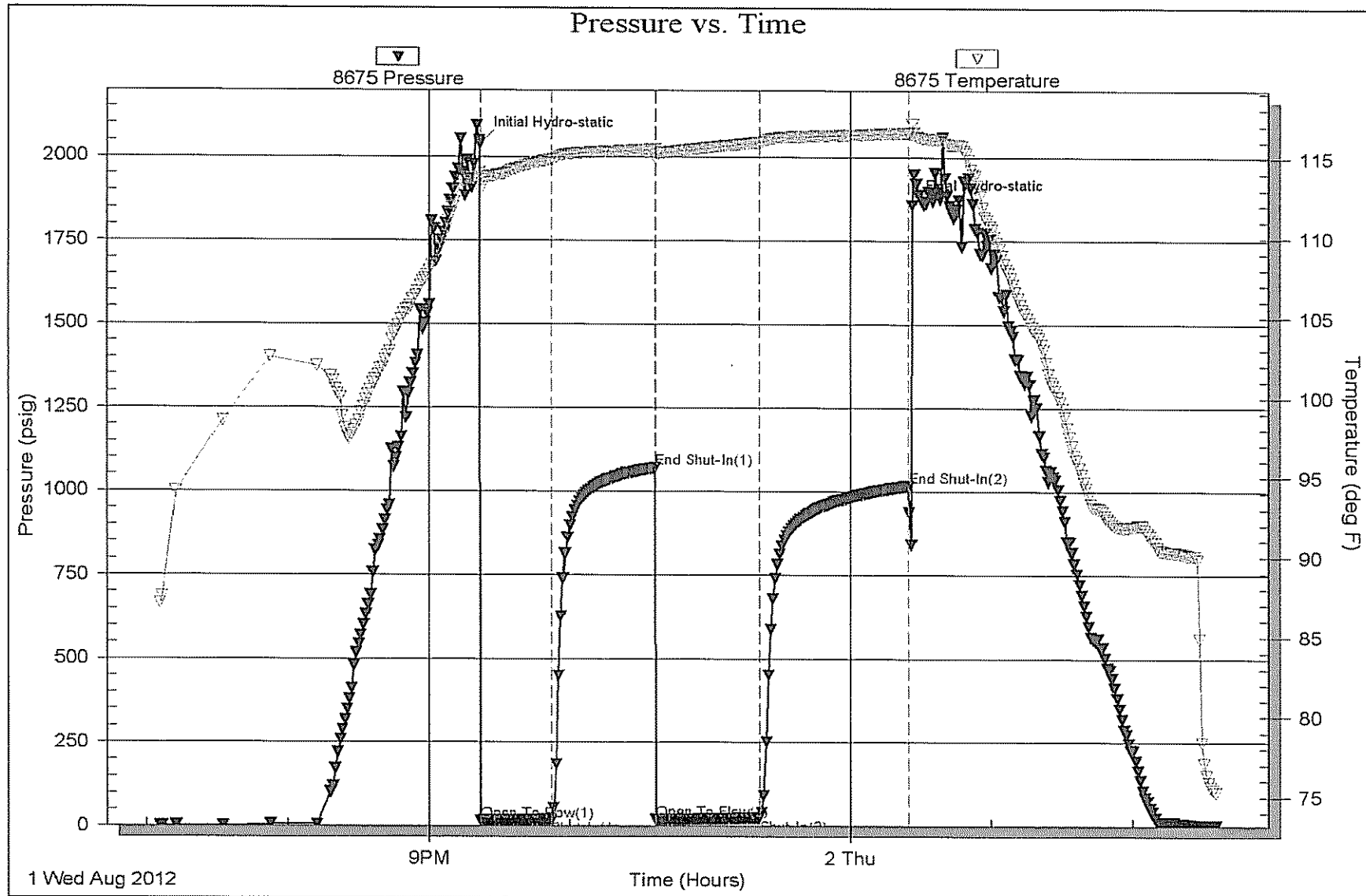
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.47 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: inches			

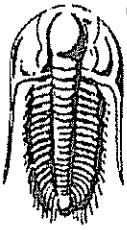
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100% M	0.140

Total Length: 10.00 ft Total Volume: 0.140 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
 301 S Market St
 Wichita KS 67202
 ATTN: Tim Lauer

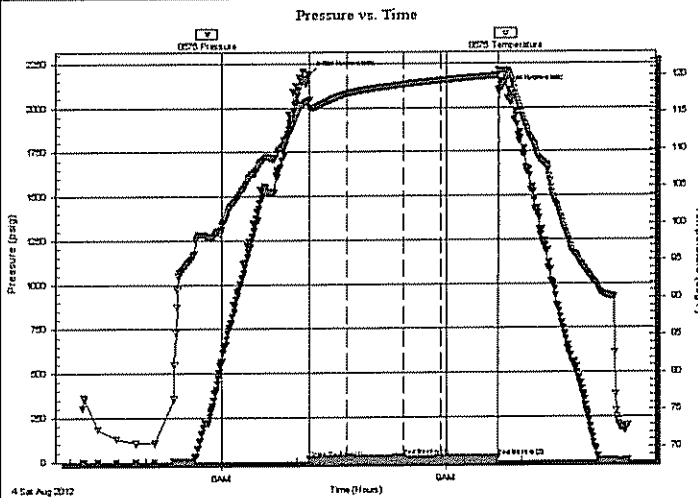
33-15s-32w-Logan
KU Endowment #1-33
 Job Ticket: 48340 **DST#: 3**
 Test Start: 2012.08.04 @ 04:10:00

GENERAL INFORMATION:

Formation: **Marmaton - Fort Scot**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:10:00
 Time Test Ended: 11:25:30
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jace McKinney
 Unit No: 46
 Interval: **4449.00 ft (KB) To 4526.00 ft (KB) (TVD)**
 Total Depth: 4526.00 ft (KB) (TVD)
 Hole Diameter: 6.77 inches Hole Condition: Fair
 Reference Elevations: 3017.00 ft (KB)
 3010.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8675 Inside
 Press@RunDepth: 17.28 psig @ 4450.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.08.04 End Date: 2012.08.04 Last Calib.: 2012.08.04
 Start Time: 04:10:15 End Time: 11:25:30 Time On Btm: 2012.08.04 @ 07:09:45
 Time Off Btm: 2012.08.04 @ 09:41:30

TEST COMMENT: Built to 1/2", died to 1/4" blow
 No return blow
 No blow
 No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2187.94	116.64	Initial Hydro-static
1	16.45	115.66	Open To Flow (1)
31	17.78	117.49	Shut-In(1)
76	23.67	118.70	End Shut-In(1)
76	17.00	118.70	Open To Flow (2)
105	17.28	119.23	Shut-In(2)
152	22.17	119.89	End Shut-In(2)
152	2100.24	120.53	Final Hydro-static

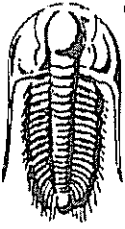
Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud	0.07

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Lario Oil & Gas

301 S Market St
Wichita KS 67202

ATTN: Tim Lauer

33-15s-32w-Logan

KU Endowment #1-33

Job Ticket: 48340

DST#: 3

Test Start: 2012.08.04 @ 04:10:00

GENERAL INFORMATION:

Formation: **Marmaton - Fort Scot**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:10:00

Time Test Ended: 11:25:30

Interval: **4449.00 ft (KB) To 4526.00 ft (KB) (TVD)**

Total Depth: 4526.00 ft (KB) (TVD)

Hole Diameter: 6.77 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Reference Elevations: 3017.00 ft (KB)

3010.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8650 Outside

Press@RunDepth: psig @ 4450.00 ft (KB)

Start Date: 2012.08.04

End Date: 2012.08.04

Capacity: 8000.00 psig

Last Calib.: 2012.08.04

Start Time: 04:10:15

End Time: 11:25:30

Time On Blm:

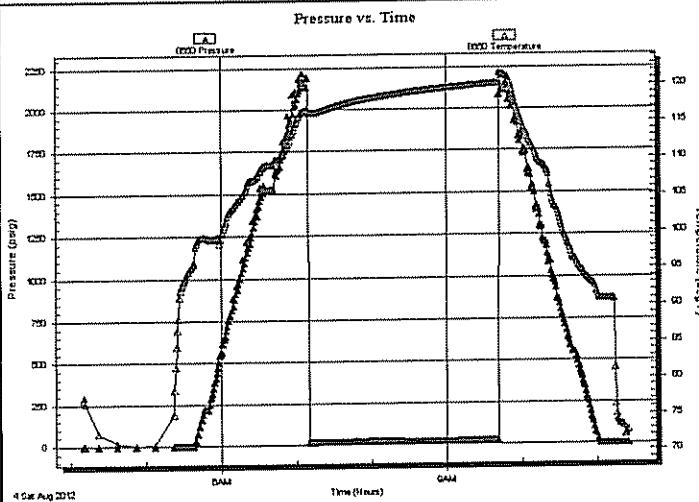
Time Off Blm:

TEST COMMENT: Built to 1/2", died to 1/4" blow

No return blow

No blow

No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

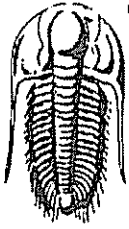
Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud	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

33-15s-32w-Logan

301 S Market St
Wichita KS 67202

KU Endowment #1-33

Job Ticket: 48340

DST#: 3

ATTN: Tim Lauer

Test Start: 2012.08.04 @ 04:10:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 56.00 sec/qt
Water Loss: 7.99 in³
Resistivity: ohm.m
Salinity: 3000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% Mud	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

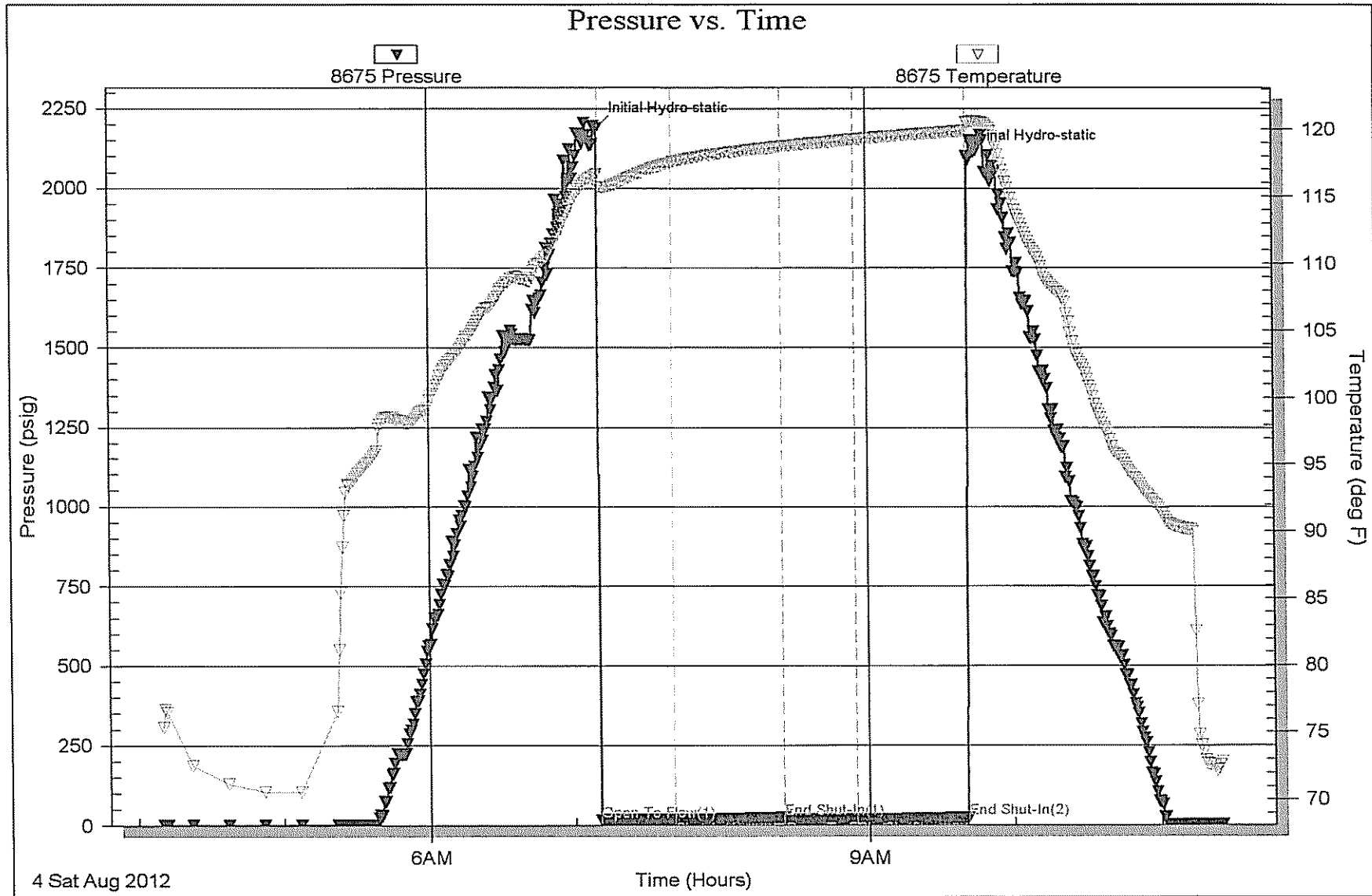
Num Gas Bombs: 0

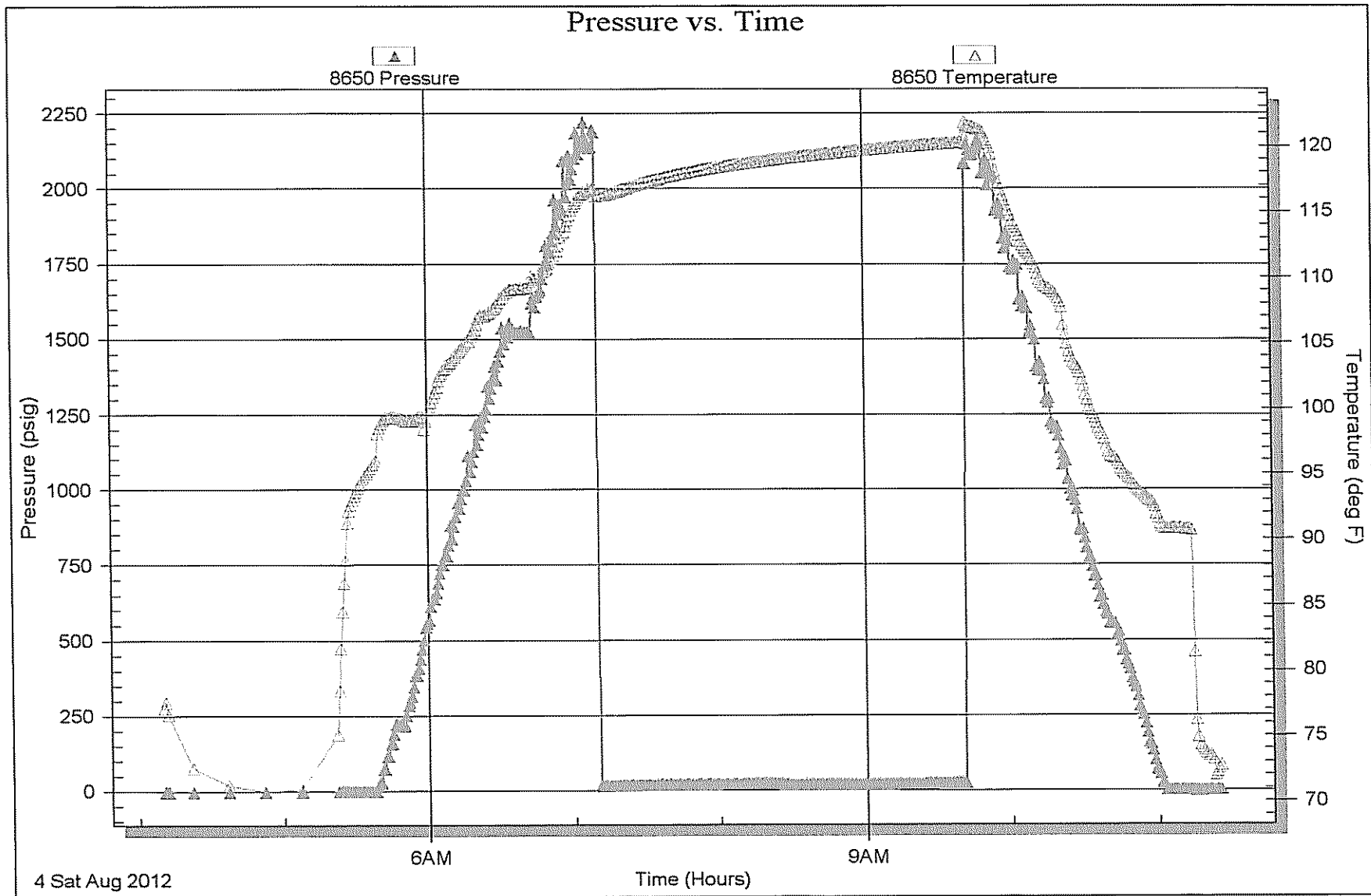
Serial #:

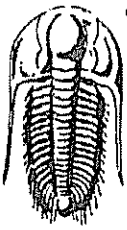
Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas
301 S Market St
Wichita KS 67202
ATTN: Tim Lauer

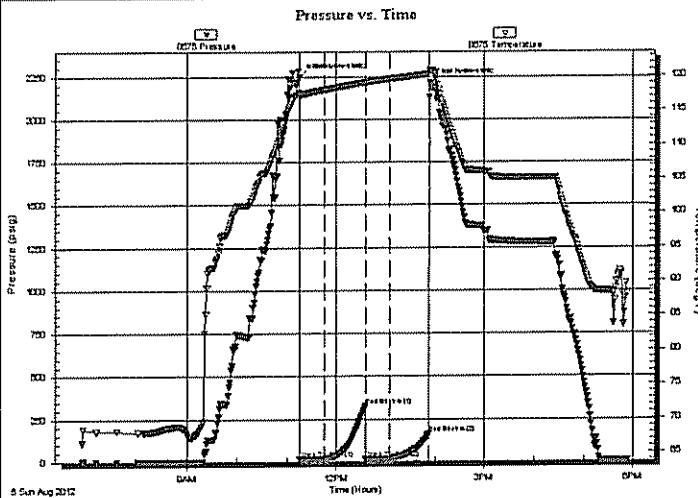
33-15s-32w-Logan
KU Endowment #1-33
Job Ticket: 48341 **DST#: 4**
Test Start: 2012.08.05 @ 06:55:00

GENERAL INFORMATION:

Formation: **Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:15:45
Time Test Ended: 17:53:00
Interval: **4573.00 ft (KB) To 4635.00 ft (KB) (TVD)**
Total Depth: 4635.00 ft (KB) (TVD)
Hole Diameter: 6.77 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Jace McKinney
Unit No: 46
Reference Elevations: 3017.00 ft (KB)
3010.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8675 Inside
Press@RunDepth: 16.33 psig @ 4574.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.08.05 End Date: 2012.08.05 Last Calib.: 2012.08.05
Start Time: 06:55:15 End Time: 17:53:00 Time On Btm: 2012.08.05 @ 11:15:30
Time Off Btm: 2012.08.05 @ 13:53:30

TEST COMMENT: Built to 1/2" blow
No return blow
No blow
No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2246.54	117.59	Initial Hydro-static
1	14.51	116.80	Open To Flow (1)
31	15.60	118.00	Shut-In(1)
80	324.78	119.07	End Shut-In(1)
80	16.06	118.82	Open To Flow (2)
110	16.33	119.53	Shut-In(2)
157	162.22	120.26	End Shut-In(2)
158	2214.47	120.84	Final Hydro-static

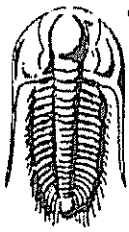
Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud w ith oil spots	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas
301 S Market St
Wichita KS 67202
ATTN: Tim Lauer

33-15s-32w-Logan
KU Endowment #1-33
Job Ticket: 48341 **DST#: 4**
Test Start: 2012.08.05 @ 06:55:00

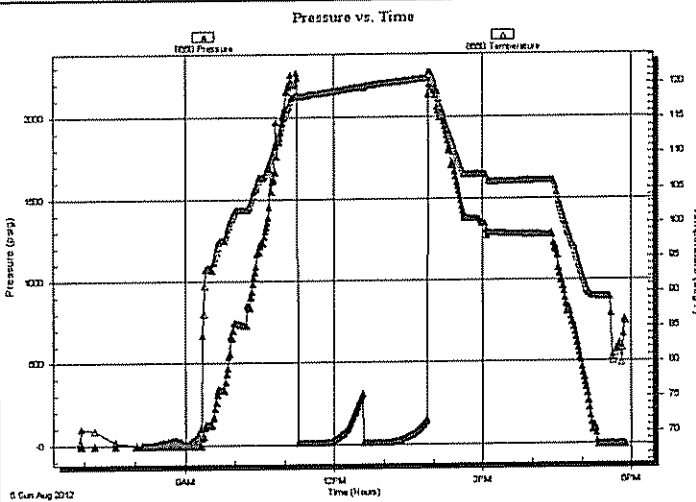
GENERAL INFORMATION:

Formation: **Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:15:45
Time Test Ended: 17:53:00
Interval: **4573.00 ft (KB) To 4635.00 ft (KB) (TVD)**
Total Depth: 4635.00 ft (KB) (TVD)
Hole Diameter: 6.77 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)
Tester: Jace McKinney
Unit No: 46
Reference Elevations: 3017.00 ft (KB)
3010.00 ft (CF)
KB to GRVCF: 7.00 ft

Serial #: 8650 Outside
Press@RunDepth: psig @ 4574.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.08.05 End Date: 2012.08.05 Last Calib.: 2012.08.05
Start Time: 06:55:15 End Time: 17:53:00 Time On Btm:
Time Off Btm:

TEST COMMENT: Built to 1/2" blow
No return blow
No blow
No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

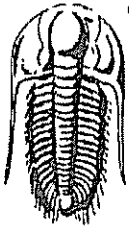
Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud with oil spots	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

33-15s-32w-Logan

301 S Market St
Wichita KS 67202

KU Endowment #1-33

Job Ticket: 48341

DST#: 4

ATTN: Tim Lauer

Test Start: 2012.08.05 @ 06:55:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% Mud with oil spots	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:

