



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1155212
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: _____



1155212

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: 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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Corinne 2-33
Doc ID	1155212

Tops

Name	Top	Datum
Heebner	3598	-945
Lansing	3635	-982
Stark	3895	-1242
Hushpuckney	3931	-1278
Base KC	3986	-1333
Marmaton	4028	-1375
Pawnee	4105	-1452
Ft. Scott	4134	-1481
Johnson	4229	-1576
Morrow	4252	-1599
Basal Penn	4305	-1652
Mississippian	4318	-1665

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

September 26, 2013

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

Re: ACO1
API 15-109-21194-00-00
Corinne 2-33
SE/4 Sec.33-14S-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: 137591
Invoice Date: Jul 27, 2013
Page: 1

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Lario	61279	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jul 27, 2013	8/26/13

Quantity	Item	Description	Unit Price	Amount
		<i>AFE 13-188</i>		
		<i>Corinne #2-33</i>		
150.00	MAT	Class A Common	17.90	2,685.00
3.00	MAT	Gel	23.40	70.20
5.00	MAT	Chloride	64.00	320.00
162.09	SER	Cubic Feet	2.48	401.98
296.00	SER	Ton Mileage	2.60	769.60
1.00	SER	Surface	1,512.25	1,512.25
40.00	SER	Pump Truck Mileage	7.70	308.00
40.00	SER	Light Vehicle Mileage	4.40	176.00
1.00	EQP	8.5/8 Wooden Plug	12.50	12.50
1.00	EQUIP OPER	Wayne Mc Ghghy		
1.00	EQUIP OPER	Tyler Flipse		
1.00	OPER ASSIST	Brandon Wilkinson		

XC
7/27/13
XC

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

\$ 1,876.65

ONLY IF PAID ON OR BEFORE
Aug 21, 2013

Subtotal	6,255.53
Sales Tax	236.21
Total Invoice Amount	6,491.74
Payment/Credit Applied	
TOTAL	6,491.74

ALLIED OIL & GAS SERVICES, LLC 061279

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Oakley KS

DATE <u>7/27/13</u>	SEC <u>33</u>	TWP. <u>14</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>6:00 pm</u>	JOB START <u>8:00 pm</u>	JOB FINISH <u>7:30 PM</u>
LEASE <u>Prinne</u>		WELL# <u>2-33</u>	LOCATION <u>Oakley 23 S</u>			COUNTY <u>Logan</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)							

CONTRACTOR W+G #2

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 254

CASING SIZE 8 5/8 DEPTH 2466

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15

PERFS.

DISPLACEMENT 15, 16 BBL

EQUIPMENT

PUMP TRUCK CEMENTER Wayne McWhorter

120 HELPER Tyler Flipse

BULK TRUCK

600 DRIVER Bronson Wilkinson

BULK TRUCK

DRIVER

OWNER Same

CEMENT

AMOUNT ORDERED 150 Common

370 CC 270 Gal

COMMON	<u>150</u>	@	<u>17.90</u>	<u>2685.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>23.40</u>	<u>70.2</u>
CHLORIDE	<u>5</u>	@	<u>64.00</u>	<u>320.00</u>
ASC		@		

HANDLING 162.09 cu ft @ 2.48 401.98

MILEAGE 2.60 X 7.4 hrs X 40 769.60

TOTAL 4246.78

REMARKS:

Run 253' of 8 5/8 Casing Hook onto Cory
to Break circulation pipe plug pulled 2 Saver
Hooked up pump mud. Rigon has circulation mud
in cement. Did (circulate)
Mixed Cement. Displaced 15 BBL
in celler

Wayne
Tyler
Bronson

SERVICE

DEPTH OF JOB 253'

PUMP TRUCK CHARGE 1512.25

EXTRA FOOTAGE @

MILEAGE 40 @ 7.70 308.00

MANIFOLD 20 40 @ 4.40 176.00

TOTAL 1996.25

CHARGE TO: Lario Oil & Gas

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>Wooden plug</u>	@	<u>1250</u>	<u>1250</u>
	@		
	@		
	@		
	@		

TOTAL 1250

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 Lorne Laag

SIGNATURE Lorne Laag

SALES TAX (if Any) _____

TOTAL CHARGES 6,255.53

DISCOUNT 1,876.65 IF PAID IN 30 DAYS

4,378.87 Net.

Bid

Date: 7/27/13
 Service Point: OLLIVY
 Manager: Terry Heinrich
 Address: P.O. Box 27
 Oakley, KS 67248
 Business Phone: 785-672-3452
 Email: terry.heinrich@ollivy.com
 Mobile: 785-672-3276

BID SHEET

CALLIED

OIL & GAS SERVICES, LLC

Well Data	
Open Hole	12 1/4
Depth	220
Job Excess	100
Depth	220
O.D.	8.6875
I.D.	7.025
Casing Weight	24
Thread	STC
Grade	155

Company: Land Oil & Gas Company, Inc.
 Address: 301 S. Main St.
 Wichita Kansas, 67202
 Well Name: Corinne
 Lease #233
 Field
 County: Logan Co.
 State: Kansas
 Section: 33
 Township: 16S
 Range: 33W
 API Number
 Proposal Title: Surface Cabon

Prepared For: [Redacted]
 Title: [Redacted]
 Business Phone: 316-265-5611
 Email: terry.heinrich@ollivy.com
 Mobile Phone: [Redacted]
 Title: [Redacted]
 Business Phone: 316-260-3881
 Email: paul.mcp@ollivy.com
 Mobile Phone: 316-260-2957
 Rig Contractor: ValEnergy
 Rig Name: #7
 Rig Phone: [Redacted]

	Units	UDM	Cost per Unit	Total	Unit	Met	Met
DAY - Casing Pump Charge @ 300'	1.00	(per hour)	\$1,512.25	\$ 1,512.25		1,038.58	\$1,038.58
	0.00		\$0.00	\$ -		-	\$0.00
	0.00		\$0.00	\$ -		-	\$0.00
	0.00		\$0.00	\$ -		-	\$0.00
	0.00		\$0.00	\$ -		-	\$0.00
	0.00		\$0.00	\$ -		-	\$0.00
Subtotal	1.00		\$12.50	\$ 12.50		12.50	\$12.50
Wooden Plug	0.00	Each	\$0.00	\$ -		-	\$0.00
	0.00		\$0.00	\$ -		-	\$0.00
	0.00		\$0.00	\$ -		-	\$0.00
	0.00		\$0.00	\$ -		-	\$0.00
	0.00		\$0.00	\$ -		-	\$0.00
Subtotal	0.00		\$0.00	\$ -		-	\$0.00
CAC - CLASS A COALITION	1.00	per sack	\$17.90	\$ 2,596.00		12.53	\$1,797.20
CALC - Calcium Chloride	5.00	per sack	\$64.00	\$ 320.00		44.88	\$224.00
	0.00		\$0.00	\$ -		-	\$0.00
	0.00		\$0.00	\$ -		-	\$0.00
	0.00		\$0.00	\$ -		-	\$0.00
	0.00		\$0.00	\$ -		-	\$0.00
	0.00		\$0.00	\$ -		-	\$0.00
	0.00		\$0.00	\$ -		-	\$0.00
	0.00		\$0.00	\$ -		-	\$0.00
Subtotal	6.00		\$24.90	\$ 125.90		12.53	\$197.20
HDLG - Product handling service charge	1.47	per cu. ft.	\$2.48	\$ 364.56		1.74	\$255.19
DIVG - Drayage for products	3271.00	ton mile	\$2.60	\$ 8,504.60		1.82	\$493.32
MHV - Light Vehicle Mileage	40.00	per mile	\$4.40	\$ 176.00		3.08	\$123.20
MHV - Heavy Vehicle Mileage	40.00	per mile	\$7.70	\$ 308.00		5.39	\$215.90
Subtotal	0.00		\$0.00	\$ 1,553.16		-	\$1,087.21
Subtotal	0.00		\$0.00	\$ -		-	\$0.00
Subtotal	0.00		\$0.00	\$ -		-	\$0.00
Totals:				\$ 5,203.91			\$4,136.49
DISCOUNT: Operations				30.0%			(453.68)
DISCOUNT: Equipment Sales				0.0%			0.00
DISCOUNT: Products				30.0%			(847.60)
DISCOUNT: Transport				30.0%			(455.95)
DISCOUNT: OTHER				30.0%			0.00
Total:				(1,767.23)			



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 137864

Invoice Date: Aug 10, 2013

Voice: (817) 546-7282

Page: 1

Fax: (817) 246-3361

Bill To:

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Lario	61281	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Aug 10, 2013	9/9/13

Quantity	Item	Description	Unit Price	Amount
		<u>Corinne #2-33 AFE #13-188</u>		
3.00	CEMENT MATERIALS	Gel - No Charge		
160.00	CEMENT MATERIALS	ASC	20.90	3,344.00
350.00	CEMENT MATERIALS	AMD	25.90	9,065.00
16.00	CEMENT MATERIALS	Salt - No Charge		
800.00	CEMENT MATERIALS	Gilsonite	0.98	784.00
48.00	CEMENT MATERIALS	FL-160	18.90	907.20
87.00	CEMENT MATERIALS	Flo Seal	2.97	258.39
22.00	CEMENT MATERIALS	Defoamer	9.80	215.60
12.00	CEMENT MATERIALS	Super Flush	58.70	704.40
608.44	CEMENT SERVICE	Cubic Feet	2.48	1,508.93
1,080.66	CEMENT SERVICE	Ton Mileage	2.60	2,809.72
1.00	CEMENT SERVICE	Production -- Bottom Stage	2,765.75	2,765.75
1.00	CEMENT SERVICE	Production -- Top Stage	2,406.25	2,406.25
40.00	CEMENT SERVICE	Pump Truck Mileage	7.70	308.00
1.00	CEMENT SERVICE	Manifold Head Rental	275.00	275.00
40.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	176.00
1.00	EQUIPMENT SALES	5.5 AFU Flaut Shoe	431.80	431.80
1.00	EQUIPMENT SALES	5.5 Latch Down Plug Assembly	558.25	558.25
1.00	EQUIPMENT SALES	5.5 Basket	237.79	237.79
1.00	EQUIPMENT SALES	5.5 D V Tool	5,335.26	5,335.26

*drilling / longstring
8-19-13 LK*

XC
AS
AUG 20 2013
XC

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

\$ 9,734.86

ONLY IF PAID ON OR BEFORE
Sep 4, 2013

Subtotal	Continued
Sales Tax	Continued
Total Invoice Amount	Continued
Payment/Credit Applied	
TOTAL	Continued



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 137864

Invoice Date: Aug 10, 2013

Voice: (817) 546-7282

Page: 2

Fax: (817) 246-3361

Bill To:

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Lario	61281	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Aug 10, 2013	9/9/13

Quantity	Item	Description	Unit Price	Amount
9.00	EQUIPMENT SALES	Centralizer	39.80	358.20
1.00	CEMENT SUPERVISOR	Andrew Forslund		
1.00	EQUIPMENT OPERATOR	Paul Beaver		
1.00	OPERATOR ASSISTANT	David Scariano		
1.00	OPERATOR ASSISTANT	Chris Helpingstine		

AUG 20 2013

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

\$ 9,734.86

ONLY IF PAID ON OR BEFORE
Sep 4, 2013

Subtotal	32,449.54
Sales Tax	1,698.29
Total Invoice Amount	34,147.83
Payment/Credit Applied	
TOTAL	34,147.83

ALLIED OIL & GAS SERVICES, LLC 061281

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Oakley

DATE <u>8-10-13</u>	SEC <u>33</u>	TWP <u>14</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START <u>5:30am</u>	JOB FINISH <u>10:00</u>
LEASE <u>Corinne</u>	WELL# <u>2-23</u>	LOCATION <u>Oakley 235 1W</u>			COUNTY <u>Logan</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)				N/E INTO			

CONTRACTOR WTA 2
 TYPE OF JOB Production (2 stage)
 HOLE SIZE 7 7/8 T.D. 4440
 CASING SIZE 5 1/2 DEPTH 4434'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DV DEPTH 2159'
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 18.06
 CEMENT LEFT IN CSG. 18.06
 PERFS. Bottom TOP
 DISPLACEMENT 102.75 52.67

OWNER same
 CEMENT
 AMOUNT ORDERED 160 sks Asc 18% salt
200 sks Gilsomite 20% salt
350 sks Amco 4 Flo-seal
12 BBL Super Flush
 COMMON @
 FOZMIX @
 GEL 3 555 @ N/C
 CHLORIDE @
 ASC 160 sks @ 20.90 3344.00
 @
Amo 350 sks @ 25.90 9065.00
salt 16 sks @ N/C
Gilsonite 800# @ .98 784.00
FL-160 48# @ 18.90 907.20
Flo-seal 87# @ 2.97 258.39
Deframer 22# @ 9.80 215.60
Super Flush 12 BBL @ 58.70 704.40
 HANDLING 602.44 @ 2.58 1508.93
 MILEAGE 2160 @ 2.70/mile 5832.00
 TOTAL 19592.24

EQUIPMENT

PUMP TRUCK CEMENTER Andrew Faustland
 # 423-281 HELPER Paul Beaver
 BULK TRUCK
 # 386 DRIVER David Scaramo
 BULK TRUCK
 # 600 DRIVER Chris Helpingstone

REMARKS:

thank you

CHARGE TO: Lario Oil & Gas
 STREET _____
 CITY _____ STATE _____ ZIP _____

AFE 13-188

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 Jay Fletcher
 SIGNATURE Jay Fletcher

SERVICE

DEPTH OF JOB 4434'
 PUMP TRUCK CHARGE 2725.75 2806.25
 EXTRA FOOTAGE @
 MILEAGE 40 miles @ 7.70 308.00
 MANIFOLD head @ 225.00
 Light vehicle @ 4.90 12.00
 @
 TOTAL 5931.20

PLUG & FLOAT EQUIPMENT

5/2
1 AFE float shoe @ 428.80
1 Latch down Plug Assy @ 330.25
1 Basket @ 237.79
1 DV TOOL @ 5335.26
9 centralizers @ 3980 358.20
 TOTAL 6921.30

SALES TAX (if Any) _____
 TOTAL CHARGES 32,449.54
 DISCOUNT 9,734.86 IF PAID IN 30 DAYS
 BID 22,714.67 Net.

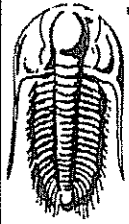
BID SHEET



Date	8/9/13
Service Point:	Oakley
Manager	Terry Heindich
Address	P.O. Box 27
	Oakley, KS 67748
Business Phone	785-672-3452
E-mail	terry.heindich@allied.com
Mobile	785-673-9326

Company	Arlo Oil & Gas Company	Prepared For:	Jay Schweibert	Well Data			
Address	301 S. Market	Title:	Oper. Engr.	Open Hole	778	Depth	4550
Address	Wichita Kansas 67201	Business Phone:	316-265-5611			I.D.	7.875
Well Name	Colton	E-mail:	jschweiert@arlowell.com			Job Excess	25
Lease	# 2-33	Mobile Phone:		Casing Size	4 1/2	Depth	4550
Field		Prepared By:	Neal Rupp			O.D.	4.5
County	Logan	Title:	Sales & Field Operation Manage			I.D.	4.052
State	Kansas	Business Phone:	316-260-3368			Casing Weight	10.5
Section	33	E-mail:	neal.rupp@arlowell.com			Thread	5TC
Township	145	Mobile Phone:	316-250-7057			Grade	1.58
Range	32W	Rlg Contractor	VWV Drilling				
API Number		Rlg Name	#2				
Proposal Title:	Two-Stage Production	Rlg Phone					

	Units	UOM	Cost per Unit	Total	Unit Net	Net
CISO - Casing Pump Charge 4001' to 5000'	1.00	(for 6 hours)	\$2,765.75	\$ 2,765.75	\$ 1,936.03	\$1,936.03
	1.00	(for 6 hours)	\$2,406.25	\$ 2,406.25	\$ 1,684.38	\$1,684.38
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
Subtotal				\$ 5,172.00		\$3,620.40
Float Shoe	1.00	Each	\$264.20	\$ 264.20	\$ 264.20	\$264.20
Latch Down Plug	1.00	Each	\$400.00	\$ 400.00	\$ 400.00	\$400.00
Stage Collar	1.00	Each	\$3,701.50	\$ 3,701.50	\$ 3,701.50	\$3,701.50
Cement Basket	1.00	Each	\$127.90	\$ 127.90	\$ 127.90	\$127.90
Centralizer	9.00	Each	\$28.10	\$ 252.90	\$ 28.10	\$252.90
	0.00	Each	\$0.00	\$ -	\$ -	\$0.00
Subtotal				\$ 4,746.50		\$4,746.50
ASCA - ALLIED SPECIAL BLEND CMT.-CLASS A	205.00	per sack	\$20.90	\$ 4,284.50	\$ 14.63	\$2,999.15
ANIDA - ALLIED MULTI-DENS. CMT.-CLASS A	340.00	per sack	\$25.90	\$ 8,806.00	\$ 18.13	\$6,164.20
FSL - Flo Seal	85.00	per pound	\$2.97	\$ 252.45	\$ 2.03	\$176.72
GILS - Gilsinite	1025.00	per pound	\$0.98	\$ 1,004.50	\$ 0.69	\$703.15
SPFL - Super Flush	12.00	per bbl	\$58.70	\$ 704.40	\$ 41.09	\$493.08
FL-160 - FL-160 Fluid Loss Additive Hi-Temp	58.00	per pound	\$18.90	\$ 1,096.20	\$ 13.23	\$767.34
PDEF - Powdered Defoamer	29.00	per pound	\$9.80	\$ 284.20	\$ 6.86	\$188.94
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
Subtotal				\$ 16,432.25		\$11,502.58
HDLG - Products handling service charge	716.80	per cu. Ft.	\$2.48	\$ 1,777.66	\$ 1.74	\$1,244.36
DRYG - Drayage for products	1270.80	ton mile	\$2.60	\$ 3,304.08	\$ 1.82	\$2,312.66
LHV - Light Vehicle Mileage	40.00	per mile	\$4.40	\$ 176.00	\$ 3.88	\$123.20
MHV - Heavy Vehicle Mileage	40.00	per mile	\$7.70	\$ 308.00	\$ 5.39	\$215.60
Subtotal				\$ 5,565.74		\$3,896.02
CHHD - Cementing Head Rental with Manifold	1.00	per day	\$275.00	\$ 275.00	\$ 192.50	\$192.50
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
Subtotal				\$ 275.00		\$192.50
Totals:				\$ 32,191.49		\$23,958.00
DISCOUNT: Operations			30.0%	(1,551.60)		
DISCOUNT: Equipment Sales			0.0%	0.00		
DISCOUNT: Products			30.0%	(4,929.68)		
DISCOUNT: Transport			30.0%	(1,669.72)		
DISCOUNT: OTHER			30.0%	(82.50)		
			Total	(8,233.50)		



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

S33-14s-32w Logan, KS

301 E. Market
Wichita, KS 67202

Corrine #2-33

Job Ticket: 52789

DST#: 1

ATTN: Brad Rine

Test Start: 2013.08.04 @ 08:45:00

GENERAL INFORMATION:

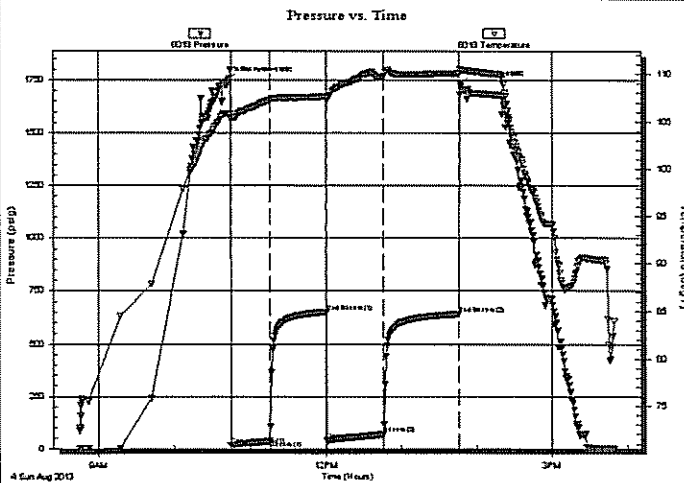
Formation: **Lansing 'D'**
 Deviated: **No Whipstock:** ft (KB)
 Test Type: **Conventional Bottom Hole (Initial)**
 Time Tool Opened: **10:44:30**
 Tester: **Chuck Smith**
 Time Test Ended: **15:49:50**
 Unit No: **62**
 Interval: **3708.00 ft (KB) To 3731.00 ft (KB) (TVD)**
 Reference Elevations: **2653.00 ft (KB)**
 Total Depth: **3731.00 ft (KB) (TVD)**
2648.00 ft (CF)
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 KB to GR/CF: **5.00 ft**

Serial #: 8018

Inside

Press@RunDepth: **68.79 psig @ 3711.00 ft (KB)**
 Capacity: **8000.00 psig**
 Start Date: **2013.08.04** End Date: **2013.08.04**
 Last Calib.: **2013.08.04**
 Start Time: **08:45:02** End Time: **15:49:49**
 Time On Btm: **2013.08.04 @ 10:42:20**
 Time Off Btm: **2013.08.04 @ 13:46:40**

TEST COMMENT: **1 1/2" Blow.**
No return.
3/4" Blow.
No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1750.84	105.82	Initial Hydro-static
3	17.24	105.18	Open To Flow (1)
33	38.08	107.24	Shut-In(1)
78	650.73	107.65	End Shut-In(1)
79	40.56	107.16	Open To Flow (2)
123	68.79	109.74	Shut-In(2)
184	640.04	110.08	End Shut-In(2)
185	1733.10	110.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: .189 @ 100 Degrees F = 25000 F	10.00
60.00	WCM 15w 85m Oil spots in tool.	0.30
50.00	M 100m	0.25

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

S33-14s-32w Logan, KS

301 E. Market
Wichita, KS 67202

Corrine #2-33

Job Ticket: 52789

DST#: 1

ATTN: Brad Rine

Test Start: 2013.08.04 @ 08:45:00

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:

25000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.40 in³

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: ohm.m

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	RW: .189 @ 100 Degrees F = 25000 PPM	0.000
60.00	WCM 15w 85m Oil spots in tool.	0.295
50.00	M 100m	0.246

Total Length: 110.00 ft Total Volume: 0.541 bbl

Num Fluid Samples: 0

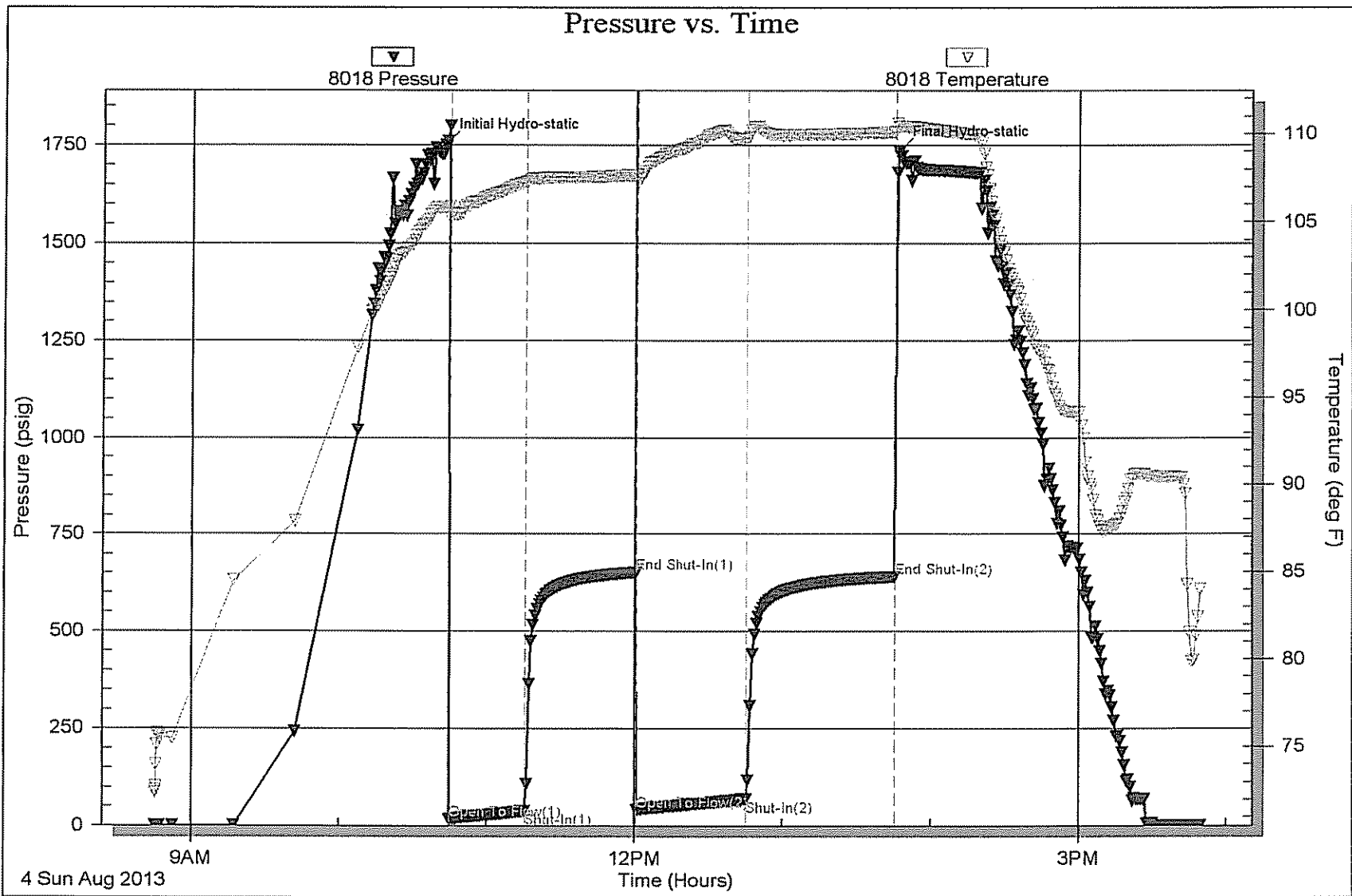
Num Gas Bombs: 0

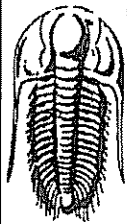
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

301 E. Market
Wichita, KS 67202

ATTN: Brad Rine

S33-14s-32w Logan, KS

Corrine #2-33

Job Ticket: 52790

DST#: 2

Test Start: 2013.08.05 @ 02:20:00

GENERAL INFORMATION:

Formation: LKC 'I'

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:33:40

Time Test Ended: 09:21:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: 3822.00 ft (KB) To 3853.00 ft (KB) (TVD)

Total Depth: 3853.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2653.00 ft (KB)

2648.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8018 Inside

Press@RunDepth: 172.89 psig @ 3825.00 ft (KB)

Start Date: 2013.08.05

End Date:

2013.08.05

Capacity: 8000.00 psig

Last Calib.: 2013.08.05

Start Time: 02:20:02

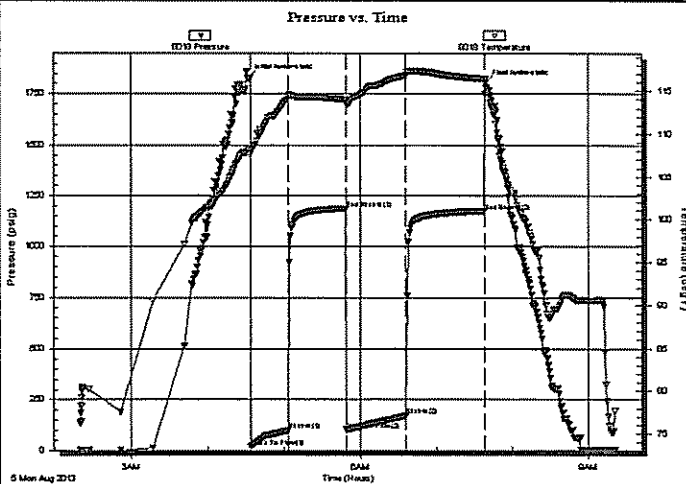
End Time:

09:21:00

Time On Blmt: 2013.08.05 @ 04:32:00

Time Off Blmt: 2013.08.05 @ 07:38:50

TEST COMMENT: 10" Blow.
No return.
B.O.B. @ 41 min.
No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1830.13	108.18	Initial Hydro-static
2	19.16	107.62	Open To Flow (1)
32	99.59	114.17	Shut-In(1)
77	1186.48	114.05	End Shut-In(1)
77	101.90	113.47	Open To Flow (2)
124	172.89	116.84	Shut-In(2)
186	1173.03	116.43	End Shut-In(2)
187	1804.36	115.89	Final Hydro-static

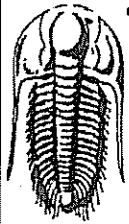
Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: .135 @ 71 Degrees F = 58000 PFM0.00	
186.00	MW 10m 90w	1.48
164.00	OSWM 20w 80m	2.30

* 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

S33-14s-32w Logan, KS

301 E. Market
Wichita, KS 67202

Corrine #2-33

Job Ticket: 52790

DST#: 2

ATTN: Brad Rine

Test Start: 2013.08.05 @ 02:20:00

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:

58000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
0.00	RW: .135 @ 71 Degrees F = 58000 PPM	0.000
186.00	MW 10m 90w	1.480
164.00	OSWM 20w 80m	2.300

Total Length: 350.00 ft Total Volume: 3.780 bbf

Num Fluid Samples: 0

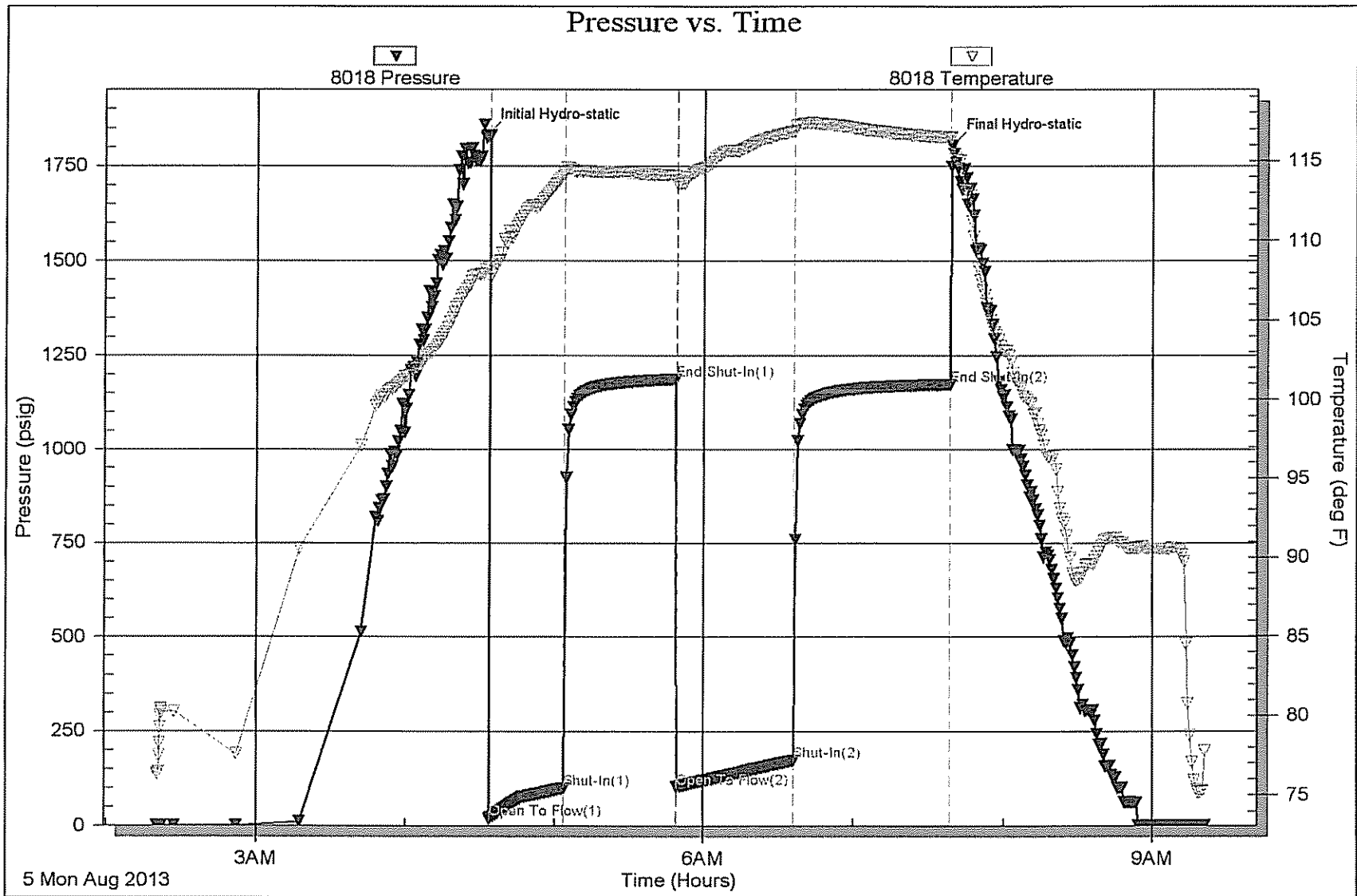
Num Gas Bombs: 0

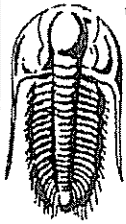
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company

301 E. Market
Wichita, KS 67202

ATTN: Brad Rine

S33-14s-32w Logan, KS

Corrine #2-33

Job Ticket: 52791

DST#: 3

Test Start: 2013.08.05 @ 23:51:00

GENERAL INFORMATION:

Formation: **LKC 'L'**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: **01:57:30**

Time Test Ended: **06:02:50**

Test Type: **Conventional Bottom Hole (Reset)**

Tester: **Chuck Smith**

Unit No: **62**

Interval: **3927.00 ft (KB) To 3960.00 ft (KB) (TVD)**

Total Depth: **3960.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2653.00 ft (KB)**

2648.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8018

Inside

Press@RunDepth: **18.68 psig @ 3930.00 ft (KB)**

Start Date: **2013.08.05**

End Date:

2013.08.06

Capacity: **8000.00 psig**

Last Calib.: **2013.08.06**

Start Time: **23:51:02**

End Time:

06:02:50

Time On Btm: **2013.08.06 @ 01:55:30**

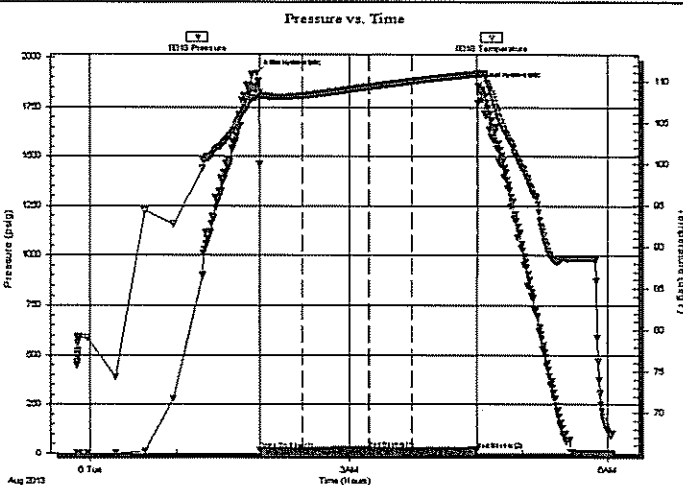
Time Off Btm: **2013.08.06 @ 04:29:30**

TEST COMMENT: Surface blow died @ 16 min.

No return.

No blow.

No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1920.63	108.07	Initial Hydro-static
2	17.48	108.01	Open To Flow (1)
32	18.04	108.27	Shut-in(1)
78	21.32	109.33	End Shut-in(1)
78	18.36	109.33	Open To Flow (2)
108	18.68	109.99	Shut-in(2)
154	19.65	110.86	End Shut-in(2)
154	1856.97	110.94	Final Hydro-static

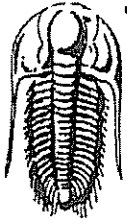
Recovery

Length (ft)	Description	Volume (bbl)
1.00	M 100m	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

S33-14s-32w Logan, KS

301 E. Market
Wichita, KS 67202

Corrine #2-33

Job Ticket: 52791

DST#: 3

ATTN: Brad Rine

Test Start: 2013.08.05 @ 23:51:00

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: bbl		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

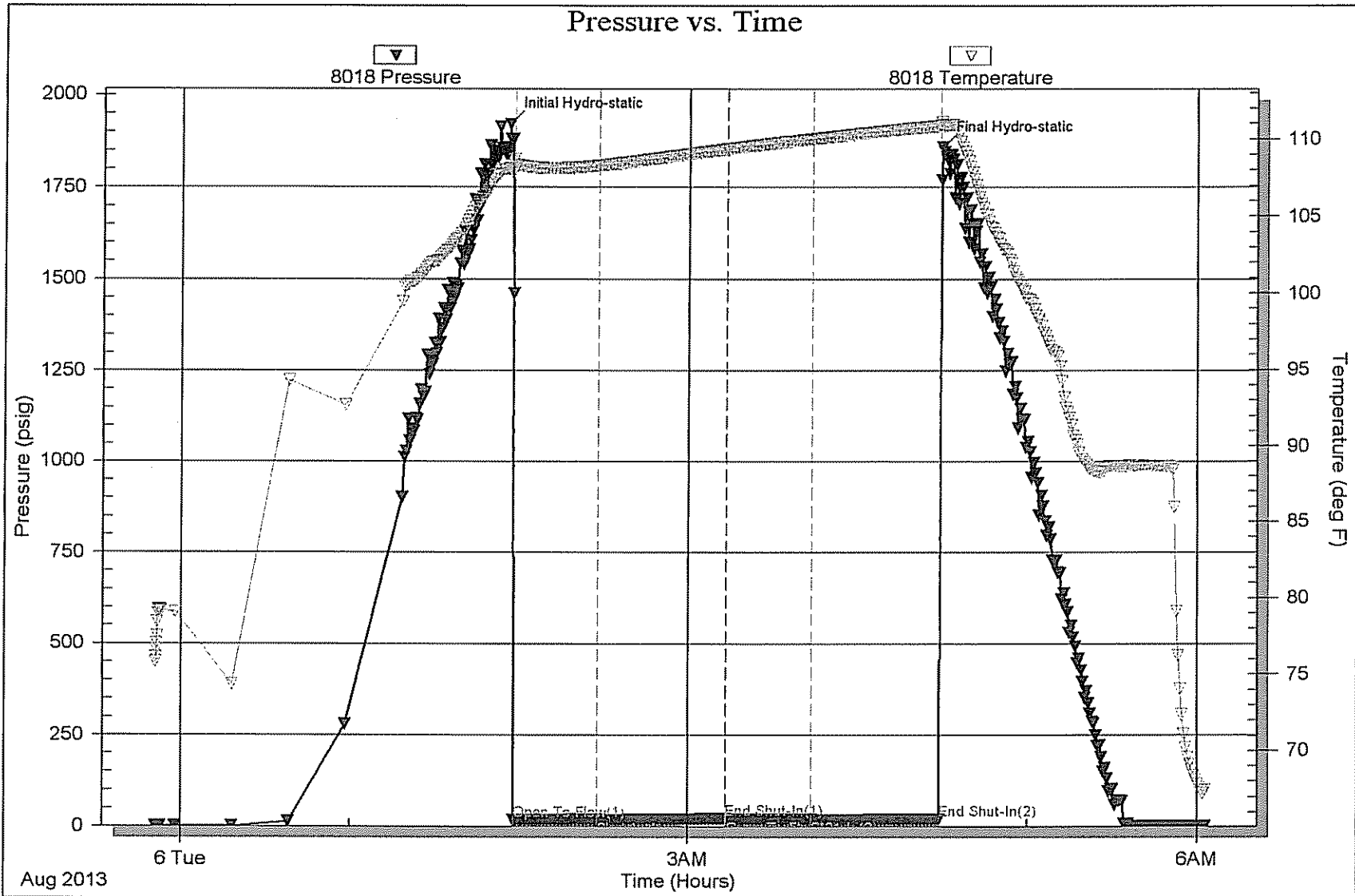
Length ft	Description	Volume bbl
1.00	M 100m	0.005

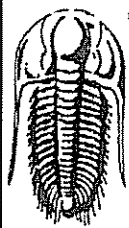
Total Length: 1.00 ft Total Volume: 0.005 bbl

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

301 E. Market
Wichita, KS 67202

ATTN: Brad Rine

S33-14s-32w Logan, KS

Corrine #2-33

Job Ticket: 52792

DST#: 4

Test Start: 2013.08.06 @ 16:15:00

GENERAL INFORMATION:

Formation: Upper Marmaton

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:02:30

Time Test Ended: 22:02:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: 3959.00 ft (KB) To 4040.00 ft (KB) (TVD)

Total Depth: 4040.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2653.00 ft (KB)

2648.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8018

Inside

Press@RunDepth: 21.59 psig @ 3963.00 ft (KB)

Start Date: 2013.08.06

End Date:

2013.08.06

Capacity: 8000.00 psig

Last Calib.: 2013.08.06

Start Time: 16:15:02

End Time:

22:02:00

Time On Btm: 2013.08.06 @ 18:01:00

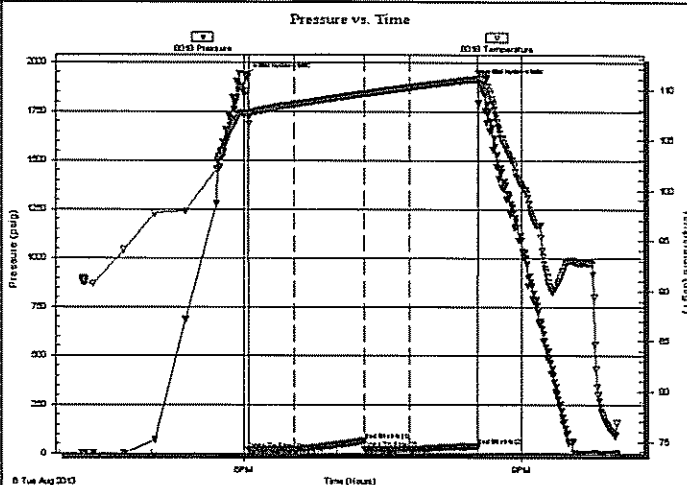
Time Off Btm:

TEST COMMENT: Surface blow died @ 10 min.

No return.

No blow.

No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1926.37	107.62	Initial Hydro-static
2	18.60	106.54	Open To Flow (1)
31	21.19	108.50	Shut-In(1)
77	65.80	109.58	End Shut-In(1)
77	20.81	109.55	Open To Flow (2)
107	21.59	110.18	Shut-In(2)
151	36.94	111.05	End Shut-In(2)
152	1898.55	111.65	Initial Hydro-static

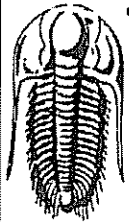
Recovery

Length (ft)	Description	Volume (bbl)
5.00	M100m	0.02

* 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

S33-14s-32w Logan, KS

301 E. Market
Wichita, KS 67202

Corrine #2-33

Job Ticket: 52792

DST#: 4

ATTN: Brad Rine

Test Start: 2013.08.06 @ 16:15:00

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: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.39 in²

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	M100m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

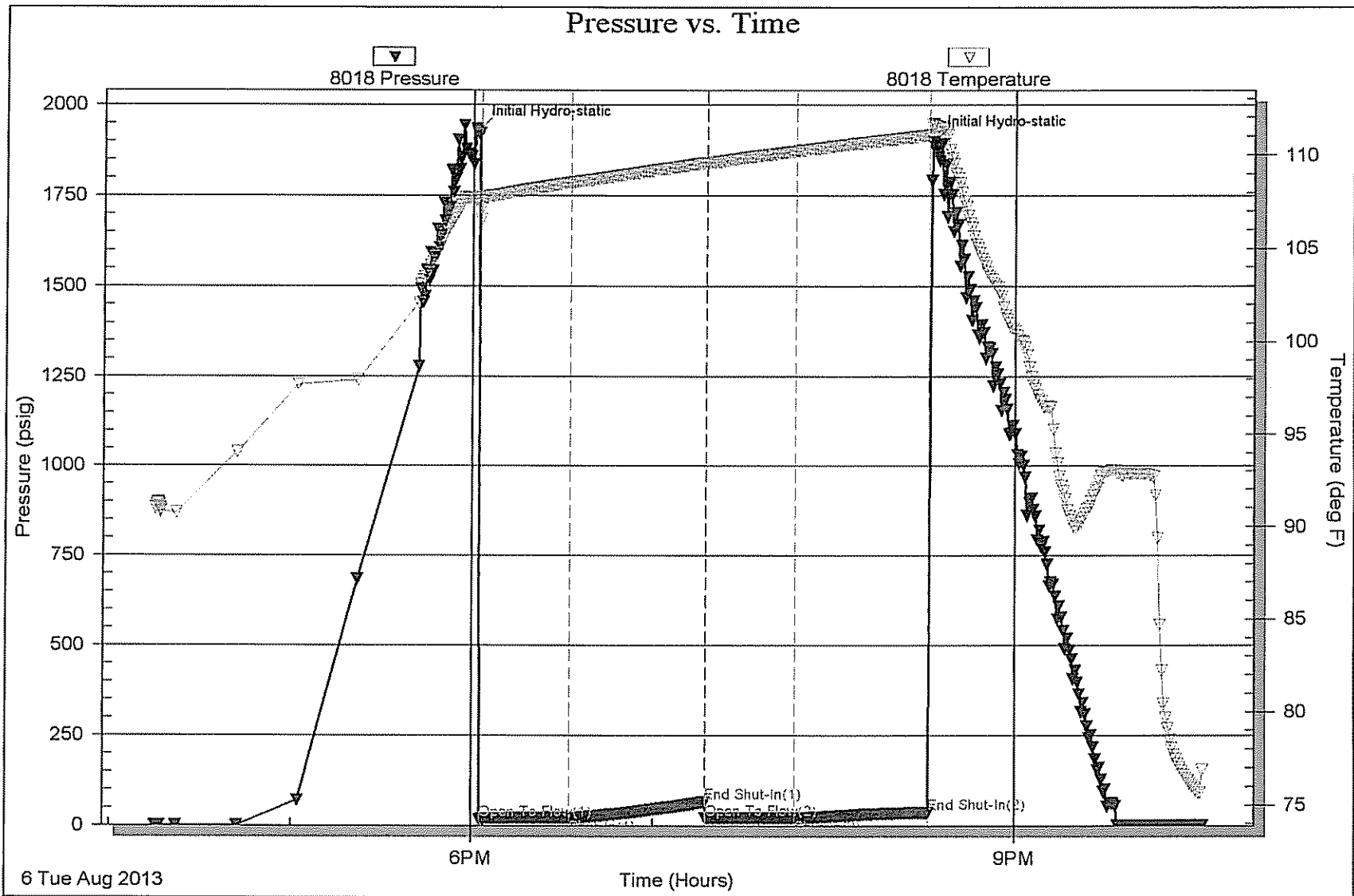
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company

S33-14s-32w Logan, KS

301 E. Market
Wichita, KS 67202

Corrine #2-33

Job Ticket: 52793

DST#: 5

ATTN: Brad Rine

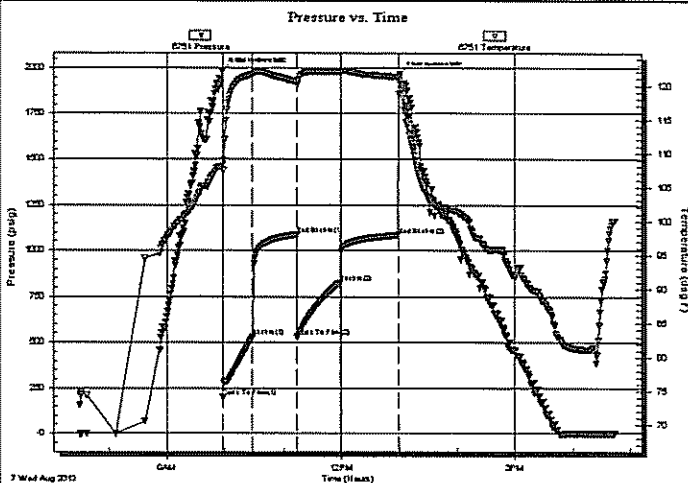
Test Start: 2013.08.07 @ 07:30:00

GENERAL INFORMATION:

Formation: **Marmaton 'B,C'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:58:00
 Time Test Ended: 16:43:49
 Interval: **4037.00 ft (KB) To 4090.00 ft (KB) (TVD)**
 Total Depth: **4090.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chuck Smith
 Unit No: 62
 Reference Elevations: **2653.00 ft (KB)**
2648.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: **6751** Outside
 Press@RunDepth: **824.87 psig @ 4041.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2013.08.07** End Date: **2013.08.07** Last Calib.: **2013.08.07**
 Start Time: **07:30:05** End Time: **16:43:50** Time On Btm: **2013.08.07 @ 09:56:30**
 Time Off Btm: **2013.08.07 @ 13:00:20**

TEST COMMENT: B.O.B. @ 1 min.
 B.O.B. @ 9 min.
 B.O.B. @ 5 min.
 B.O.B. @ 25 min. GTS @ 50 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1984.13	108.07	Initial Hydro-static
2	199.86	107.41	Open To Flow (1)
32	529.59	121.67	Shut-in(1)
77	1088.28	120.55	End Shut-in(1)
78	530.90	120.35	Open To Flow (2)
122	824.87	122.08	Shut-in(2)
183	1084.67	121.24	End Shut-in(2)
184	1965.94	120.82	Final Hydro-static

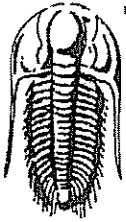
Recovery

Length (ft)	Description	Volume (bbl)
124.00	GMCO 15g 15m 70o	0.61
434.00	GMCO 25g 5m 70o	6.09
1178.00	GO 30g 70o	16.52
0.00	2294' 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

S33-14s-32w Logan, KS

301 E. Market
Wichita, KS 67202

Corrine #2-33

Job Ticket: 52793

DST#: 5

ATTN: Brad Rine

Test Start: 2013.08.07 @ 07:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.39 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
124.00	GMCO 15g 15m 70o	0.610
434.00	GMCO 25g 5m 70o	6.088
1178.00	GO 30g 70o	16.524
0.00	2294' GIP	0.000

Total Length: 1736.00 ft Total Volume: 23.222 bbl

Num Fluid Samples: 0

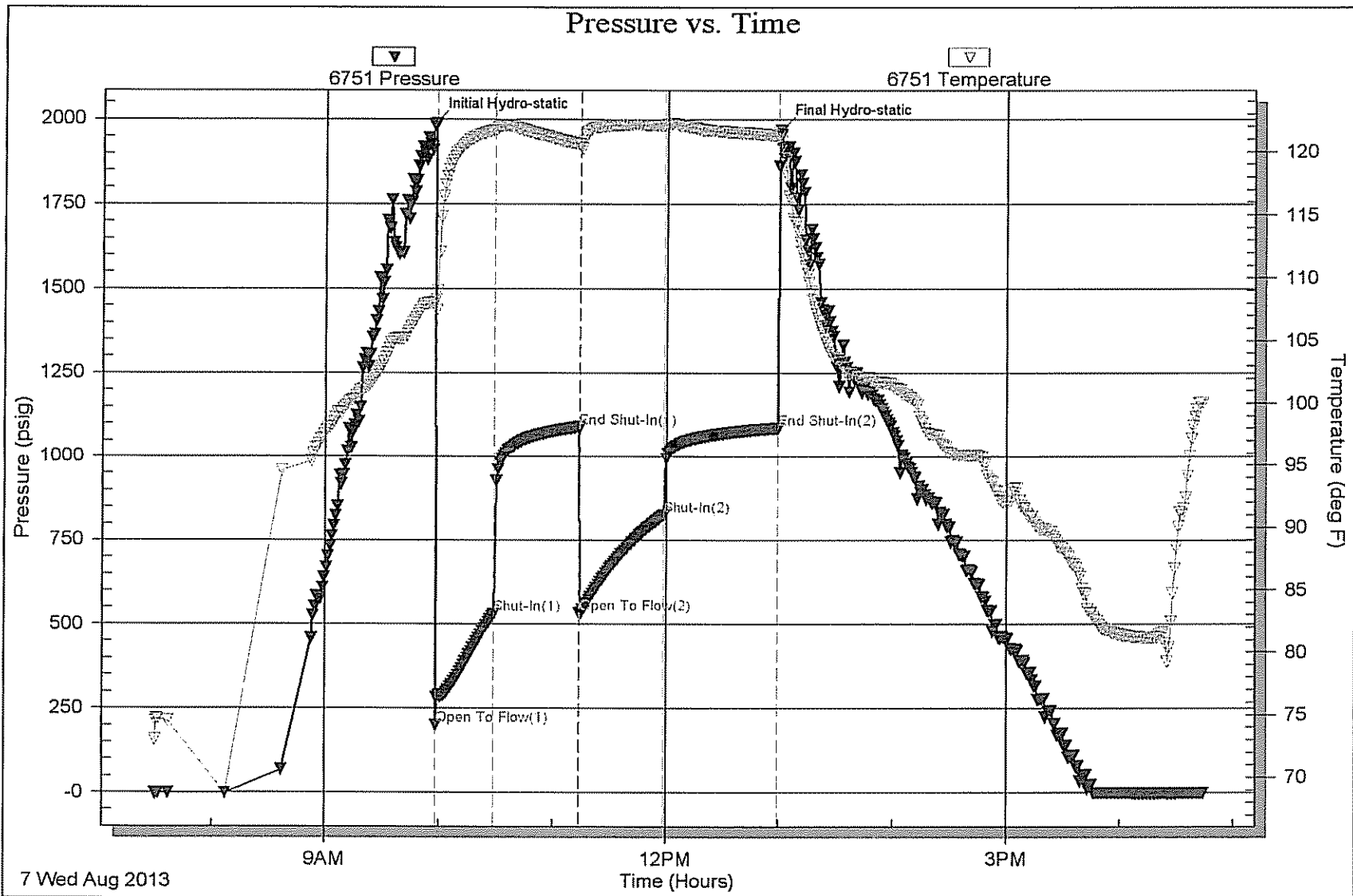
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 31 @ 80 Degrees F = 29.





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

S33-14s-32w Logan, KS

301 E. Market
Wichita, KS 67202

Corrine #2-33

Job Ticket: 52794

DST#: 6

ATTN: Brad Rine

Test Start: 2013.08.08 @ 08:46:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:59:45

Time Test Ended: 16:17:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: 4195.00 ft (KB) To 4250.00 ft (KB) (TVD)

Reference Elevations: 2653.00 ft (KB)

Total Depth: 4250.00 ft (KB) (TVD)

2648.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8357

Press@RunDepth: 24.63 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.08.08

End Date: 2013.08.08

Last Calib.: 2013.08.08

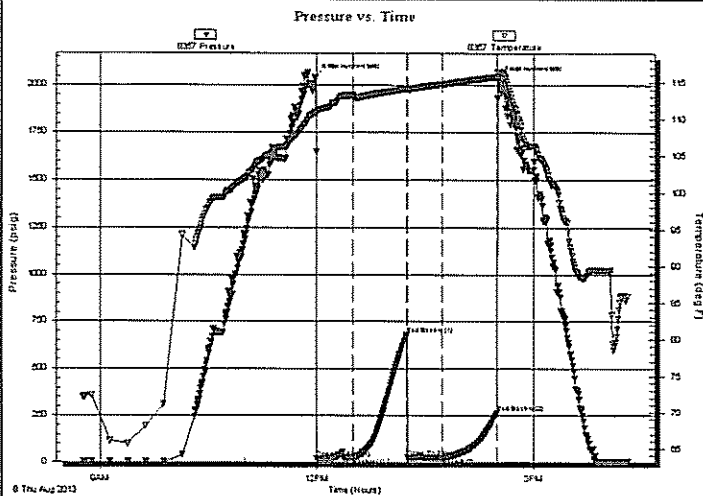
Start Time: 08:46:05

End Time: 16:17:29

Time On Btm: 2013.08.08 @ 11:58:00

Time Off Btm: 2013.08.08 @ 14:30:45

TEST COMMENT: Surface blow died @ 16 min.
No return.
No blow.
No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2043.10	110.75	Initial Hydro-static
2	19.44	110.59	Open To Flow (1)
32	22.20	113.14	Shut-in(1)
77	678.91	114.14	End Shut-in(1)
78	23.54	113.95	Open To Flow (2)
107	24.63	114.73	Shut-in(2)
152	265.60	115.76	End Shut-in(2)
153	2035.99	116.44	Final Hydro-static

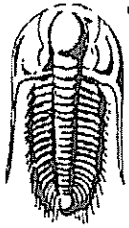
Recovery

Length (ft)	Description	Volume (bbl)
5.00	VSOCM to 99m	0.02

* 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

S33-14s-32w Logan, KS

301 E. Market
Wichita, KS 67202

Corrine #2-33

Job Ticket: 52794

DST#: 6

ATTN: Brad Rine

Test Start: 2013.08.08 @ 08:46:00

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: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	VSOCM 1o 99m	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

