



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1201911  
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: \_\_\_\_\_

1201911

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
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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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	HRC Feedyards 3-36
Doc ID	1201911

All Electric Logs Run

CNL/CDL
DIL
BHCS
MEL

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	HRC Feedyards 3-36
Doc ID	1201911

Tops

Name	Top	Datum
Heebner	3961	-878
Lansing	4008	-925
Stark Shale	4303	-1220
Hushpuckney	4354	-1271
Base KC	4429	-1346
Marmaton	4460	-1377
Pawnee	4542	-1459
Ft. Scott	4566	-1483
Johnson	4667	-1584
Morrow	4746	-1663
Basal Penn	4784	-1701
Mississippian	4792	-1709





# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 142822  
Invoice Date: Apr 25, 2014  
Page: 1

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

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

drilling AFE 14-048  
5-5-14 LK

Customer ID	Field Ticket #	Payment Terms	
Lario	63481	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Apr 25, 2014	5/25/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	HRC Feedyards #3-36		
225.00	CEMENT MATERIALS	Class A Common	17.90	4,027.50
8.00	CEMENT MATERIALS	Chloride	64.00	512.00
237.56	CEMENT SERVICE	Cubic Feet Charge	2.48	589.15
544.61	CEMENT SERVICE	Ton Mileage Charge	2.60	1,415.99
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
50.00	CEMENT SERVICE	Pump Truck Mileage	7.70	385.00
1.00	CEMENT SERVICE	Swedge Manifold Rental	275.00	275.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	EQUIPMENT OPERATOR	Paul Beaver		
1.00	EQUIPMENT OPERATOR	Tyler Flipse		

Handwritten signature and date stamp: MAY 6 2014

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

\$ 2,681.07

ONLY IF PAID ON OR BEFORE May 20, 2014

Subtotal	8,936.89
Sales Tax	369.97
Total Invoice Amount	9,306.86
Payment/Credit Applied	
<b>TOTAL</b>	<b>9,306.86</b>

# ALLIED OIL & GAS SERVICES, LLC 063481

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Calley KS  
4-26-14

DATE <u>4-25-14</u>	SEC <u>3</u>	TWP. <u>19</u>	RANGE <u>35</u>	CALLED OUT	ON LOCATION <u>9:00am</u>	JOB START <u>11:30am</u>	JOB FINISH <u>17:00am</u>
LEASE <u>NKC Feedyards</u>				WELL # <u>3-36</u>	LOCATION <u>Scott city 6W 3.5 3/4W</u>	COUNTY <u>Scott</u>	STATE <u>KS</u>
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)				Ninto			

CONTRACTOR Southwind OWNER Same

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 372'

CASING SIZE 8 5/8 DEPTH 371.04'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 1.5'

PERFS. \_\_\_\_\_

DISPLACEMENT 22.68 bbl water

EQUIPMENT \_\_\_\_\_

PUMP TRUCK CEMENTER Paul Beaver

# 120 HELPER Tyler Flipse

BULK TRUCK \_\_\_\_\_

# 373 DRIVER Juan 2 (TWS)

BULK TRUCK \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

CEMENT AMOUNT ORDERED 225 sks Com 3%

CC \_\_\_\_\_

COMMON 225 sks @ 17.90 4027.50

POZMIX \_\_\_\_\_ @ \_\_\_\_\_

GEL \_\_\_\_\_ @ \_\_\_\_\_

CHLORIDE 8 sks @ 64.00 512.00

ASC \_\_\_\_\_ @ \_\_\_\_\_

Material total @ 4534.50

(1,366.87/30%) @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

HANDLING 237.5643 @ 2.48 589.16

MILEAGE 544.61 ton/mi @ 2.60 1415.99

REMARKS:

m/w 225 sks Com 3% CC

Displace w/ water

cement did circulate

Thank You!

Paul & Tyler

SERVICE

DEPTH OF JOB 372'

PUMP TRUCK CHARGE 1512.25

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE m/hv 50 @ 7.70 385.00

MANIFOLD swedge @ 275.00

MIL.V 50 @ 4.40 220.00

\_\_\_\_\_ @ \_\_\_\_\_

(1,319.22/30%) TOTAL 4,397.40

CHARGE TO: Lario Oil + Gas

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

(BID) 0% TOTAL \_\_\_\_\_

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.

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 8,936.90

DISCOUNT 2,681.07 (30%) IF PAID IN 30 DAYS

6,255.83 Net.

PRINTED NAME Sam Sinias

SIGNATURE Sam Sinias

BID SHEET



Hide/Unhide Rows

Date	March 26, 2014
Ticket Number	
Service Point:	Oakley, KS
Address	P.O. Box 27
	Oakley, KS 6774B
Business Phone	785-672-3452

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



Company	Lario Oil & Gas	Prepared For:	Jay Schweikert	Well Data	
Address	301 S Market	Business Phone:	316-265-5611	Open Hole	12 1/4
Address	Wichita, KS 67202	Email:	jschweikert@lariooil.com	Depth	350
Well Name	HRC Feedyards	Mobile Phone:		String	D1 Surface
Well Number	#3-35	Prepared By:	Neal Rupp	Casing Size	8 5/8
Field	Sec: 3 - T19S - R35W	Email	neal.rupp@alliedservices.com	ID	B.095
County	Scott	Mobile Phone:	316-250-7057	Weight	24.0
State	Kansas	Business Phone:	316-260-3368	Grade	J-55
City		Rig Contractor		Top (md)	
API Number		Rig Name/No.		Bitm (md)	350
Specific Job Type	D1 Surface	Rig Phone:		Thread	LTC
		Company Rep			
		Rep Phone No.			
		Mileage (one-way)	50		
		Proposal Date	3/26/2014		

OPERATIONS	Units	UDM	Cost per Unit	Total	Unit Net	Net	Cost per Unit	Cost Total	\$ GP	% GP
Casing Pump Charge 0' to 500'	1.00	for 6 hours	\$1,512.25	\$ 1,512.25	\$ 1,058.58	\$1,058.58				
Cementing Head Rental with Manifold	1.00	per day	\$275.00	\$ 275.00	\$ 192.50	\$192.50				
<b>Subtotal</b>				\$ 1,787.25		\$1,251.08				
EQUIPMENT SALES										
8 5/8 Wooden Plug	1.00	each	\$76.25	\$ 76.25	\$ 76.25	\$76.25	\$57.19	\$57.19	\$19.06	25.0%
<b>Subtotal</b>				\$ 76.25		\$76.25		\$57.19	\$19.06	25.0%
PRODUCTS										
CLASS A COMMON	225.00	per sack	\$17.90	\$ 4,027.50	\$ 12.53	\$2,819.25	\$0.00	\$0.00	\$2,819.25	100.0%
Calcium Chloride	8.00	per sack	\$54.00	\$ 512.00	\$ 44.80	\$358.40	\$15.00	\$120.00	\$238.40	66.5%
<b>Subtotal</b>				\$ 4,539.50		\$3,177.65		\$120.00	\$3,057.65	96.22%
TRANSPORT										
Products handling service charge	237.56	per cu. Ft.	\$2.48	\$ 589.16	\$ 1.74	\$417.41				
Diaryge for Products	544.61	ton-mile	\$2.60	\$ 1,415.99	\$ 1.82	\$991.19				
Light Vehicle Mileage	50.00	per mile	\$4.40	\$ 220.00	\$ 3.08	\$154.00				
Heavy Vehicle Mileage	50.00	per mile	\$7.70	\$ 385.00	\$ 5.39	\$269.50				
<b>Subtotal</b>				\$ 2,610.15		\$1,827.11				
<b>Totals:</b>				\$ 9,013.15		\$6,332.08				
DISCOUNT: Operations			30.0%	(536.18)						
DISCOUNT: Equipment Sales			0.0%	0.00						
DISCOUNT: Products			30.0%	(1,361.85)						
DISCOUNT: Transport			30.0%	(783.05)						
DISCOUNT: ADDITIONAL ITEMS			30.0%	0.00						
<b>Total</b>				(2,681.07)						

Services Total	Gross \$4,397.40	Discount \$1,319.22	Final \$3,078.18	Costs:	\$ GP	% GP	
Materials Total	\$4,615.75	\$1,361.85	\$3,253.90	Services	\$1,385.18	\$1,693.00	55.00%
Final Total	\$9,013.15	\$2,681.07	\$6,332.08	Materials	\$177.19	\$3,076.71	94.55%
				<b>Total</b>	<b>\$1,562.37</b>	<b>\$4,769.71</b>	<b>75.33%</b>

ADDITIONAL ITEMS	Units	UDM	Cost per Unit	Total	Unit Net	Net
Additional hours, in excess of set hours	1.00	per hour	\$440.00	\$ 440.00	\$ 308.00	\$308.00





PO Box 93999  
Southlake, TX 76092

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

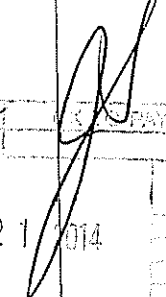

# INVOICE

Invoice Number: 143126  
Invoice Date: May 9, 2014  
Page: 1

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

Customer ID	Field Ticket #	Payment Terms	
Lario	62961	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Great Bend	May 9, 2014	6/8/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	HRC Feedyards #3-36		
465.00	CEMENT MATERIALS	drilling AFE 14-048 5-19-14 LR	16.50	7,672.50
117.00	CEMENT MATERIALS	Light Weight	2.97	347.49
512.80	CEMENT SERVICE	Flo Seal	2.48	1,271.74
1,074.00	CEMENT SERVICE	Cubic Feet Charge	2.60	2,792.40
1.00	CEMENT SERVICE	Ton Mileage Charge	2,406.25	2,406.25
50.00	CEMENT SERVICE	Production -- Top Stage	7.70	385.00
1.00	CEMENT SERVICE	Pump Truck Mileage	275.00	275.00
50.00	CEMENT SERVICE	Manifold Rental	4.40	220.00
1.00	CEMENT SUPERVISOR	Light Vehicle Mileage		
1.00	EQUIPMENT OPERATOR	Tim Dickson		
1.00	OPERATOR ASSISTANT	Kevin Eddy		
1.00	EQUIPMENT OPERATOR	Brian Lang		
1.00	EQUIPMENT OPERATOR	Daniel Casper		

  
 MAY 21 2014  


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

\$ 4,611.11

ONLY IF PAID ON OR BEFORE  
Jun 3, 2014

Subtotal	15,370.38
Sales Tax	653.63
Total Invoice Amount	16,024.01
Payment/Credit Applied	
<b>TOTAL</b>	<b>16,024.01</b>

# ALLIED OIL & GAS SERVICES, LLC 062961

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
Drift Bend K

DATE <u>5-9-14</u>	SEC. <u>36</u>	TWP. <u>18</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION	JOB START <u>3:35 AM</u>	JOB FINISH <u>5:00 AM</u>
LEASE # <u>3-310</u>		WELL # <u>3-310</u>		LOCATION <u>Scott City low, 35, 3/4 W</u>		COUNTY <u>Scott</u>	STATE <u>K</u>
OLD OR NEW (Circle one)				<u>1/2 side</u>			

CONTRACTOR Scotty OWNER Same

TYPE OF JOB Production Top Stage  
 HOLE SIZE 7 7/8 T.D. 5000  
 CASING SIZE 5 1/2 DEPTH 4986'  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL Stage collar DEPTH 2347'  
 PRES. MAX 1900 MINIMUM 1000  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. -  
 PERFS.  
 DISPLACEMENT 54,45'

CEMENT  
 AMOUNT ORDERED 465 lbs @ 65.35 6.70 Mul  
1/4 # Fluoropoly

EQUIPMENT  
 PUMP TRUCK CEMENTER Tom Decker  
 # 597 HELPER Kevin Brady  
 BULK TRUCK  
 # 870-844 DRIVER Brian Long  
 BULK TRUCK  
 # DRIVER Don Cooper

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	@		
<u>465 lb cement</u>	@	<u>16.50</u>	<u>7,672.50</u>
<u>Fluoropoly</u>	@	<u>2.97</u>	<u>347.49</u>
<u>Materials Total</u>			<u>8,019.99</u>
<u>Disc. @ 30%</u>			<u>2,406.00</u>
<u>Service</u>			
HANDLING <u>512.8</u>	@	<u>2.48</u>	<u>1,271.74</u>
MILEAGE <u>21.48 X 50 X</u>	@	<u>2.60</u>	<u>2,792.70</u>

**REMARKS:**

Drift Bend Opened Stage Collar.  
Circulated 3 hrs. Plugged Abitole  
with 30 lbs. Mixed Alumina  
Casing Washed up Released Plug.  
Displaced with H<sub>2</sub>O. Loaded Plug  
at H<sub>2</sub>O closed Stage Collar.  
Released & Held.  
Cement did circulate. Approx 50  
lbs to PAT

DEPTH OF JOB <u>2347'</u>			
PUMP TRUCK CHARGE		<u>2406.25</u>	
EXTRA FOOTAGE	@		
MILEAGE <u>Hum 50</u>	@	<u>7.70</u>	<u>385.00</u>
MANIFOLD	@	<u>275.00</u>	<u>275.00</u>
<u>Hum 50</u>	@	<u>4.40</u>	<u>220.00</u>
	@		

CHARGE TO: Louis Oil & Gas  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL 7,350.39  
30% 2,205.11

**PLUG & FLOAT EQUIPMENT**

	@		
	@		
	@		
	@		
	@		

108 / TOTAL 0

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.

SALES TAX (if Any) \_\_\_\_\_  
 TOTAL CHARGES 15,370.38  
 DISCOUNT 4,611.11 (30/30/0)  
 IF PAID IN 30 DAYS  
10,759.27

PRINTED NAME Mike Kettler  
 SIGNATURE Mike Kettler



# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 143124  
Invoice Date: May 8, 2014  
Page: 1

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

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

Customer ID	Field Ticket #	Payment Terms	
Lario	62960	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Great Bend	May 8, 2014	6/7/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	HRC Feedyard #3-36		
		drilling AFS 14-048		
166.00	CEMENT MATERIALS	ASC	20.90	3,469.40
830.00	CEMENT MATERIALS	Kol Seal	0.98	813.40
46.00	CEMENT MATERIALS	FL-160	18.90	869.40
23.00	CEMENT MATERIALS	Defoamer	9.80	225.40
500.00	CEMENT MATERIALS	DV-1100	1.27	635.00
202.00	CEMENT SERVICE	Cubic Feet Charge	2.48	500.96
443.50	CEMENT SERVICE	Ton Mileage Charge	2.60	1,153.10
1.00	CEMENT SERVICE	Production -- Bottom Stage	3,099.25	3,099.25
50.00	CEMENT SERVICE	Pump Truck Mileage	7.70	385.00
1.00	CEMENT SERVICE	Head Rental	275.00	275.00
1.00	EQUIPMENT SALES	5-1/2 AFU Float Shoe	545.00	545.00
1.00	EQUIPMENT SALES	5-1/2 Latch Down Plug	325.00	325.00
16.00	EQUIPMENT SALES	5-1/2 Centralizer	57.00	912.00
1.00	EQUIPMENT SALES	5-1/2 Stage Collar	5,335.00	5,335.00
1.00	EQUIPMENT SALES	5-1/2 Basket	395.00	395.00
1.00	CEMENT SUPERVISOR	Tim Dickson		
1.00	EQUIPMENT OPERATOR	Kevin Eddy		
1.00	EQUIPMENT OPERATOR	Daniel Casper		
1.00	OPERATOR ASSISTANT	Brian Lang		

Handwritten signature and date stamp: MAY 21 2014

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

\$ 5,531.13

ONLY IF PAID ON OR BEFORE Jun 2, 2014

Subtotal	18,937.91
Sales Tax	1,102.25
Total Invoice Amount	20,040.16
Payment/Credit Applied	
<b>TOTAL</b>	<b>20,040.16</b>

# ALLIED OIL & GAS SERVICES, LLC 062960

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
Arrest Bend

DATE <u>5-8-14</u>	SEC <u>36</u>	TWP <u>18</u>	RANGE <u>34</u>	CALLED OUT <u>10:00 AM</u>	ON LOCATION <u>4:00 PM</u>	JOB START <u>10:30 PM</u>	JOB FINISH <u>12:00 AM</u>
LEASE <u>Frased</u>		WELL # <u>3-36</u>	LOCATION <u>Scott City 10w. 3 S, 3/4 W</u>	COUNTY <u>Scott</u>	STATE <u>Ka</u>		
OLD OR NEW (Circle one) <u>NEW</u>			<u>North into</u>				

CONTRACTOR Southwind OWNER Same

TYPE OF JOB Production Bottom Stage

HOLE SIZE 7 7/8 T.D. 5000'  
 CASING SIZE 5 1/2 (12#) DEPTH 4980'  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL Stage Callon DEPTH 2347'  
 PRES. MAX 1850 MINIMUM 700  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 36.83  
 CEMENT LEFT IN CSG. 36.83  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 16.23 H<sub>2</sub>O - 54.45 Mud

CEMENT  
 AMOUNT ORDERED Helena ASC, 10% Salt  
270 x 2, 10% Kalsol, 5# Kalsol/wh  
0.37 fl-160, 15 Heloform, 500 gal AW 1100

EQUIPMENT  
 PUMP TRUCK CEMENTER Tom Dasher  
 # 597 HELPER Kevin Eddy  
 BULK TRUCK  
 # 599 DRIVER Don Cooper  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER Bruce Long

COMMON	@	_____	_____
POZMIX	@	_____	_____
GEL	@	_____	_____
CHLORIDE	@	_____	_____
ASC 166	@	<u>20.90</u>	<u>3,469.40</u>
Kalsol	<u>830</u>	@ <u>.98</u>	<u>813.40</u>
FL-160	<u>46</u>	@ <u>18.90</u>	<u>869.40</u>
DF	<u>23</u>	@ <u>9.80</u>	<u>225.40</u>
DV-1100	<u>500</u>	@ <u>1.27</u>	<u>635.00</u>
		@	_____
		<u>Material Total (30%)</u>	<u>6,012.60</u>
		<u>Disc</u>	<u>1,803.78</u>
		<u>Service</u>	_____
HANDLING	<u>202</u>	@ <u>2.48</u>	<u>500.96</u>
MILEAGE	<u>8.87 x 50 x 2.60</u>		<u>1,153.10</u>

**REMARKS:**

Ran 4980' @ 5 1/2" cas. Break circulation.  
Pumped 5 H<sub>2</sub>O, 500 gal DV 1100, 5 H<sub>2</sub>O.  
Mixed Helena ASC 10% salt, 270 gal Kalsol.  
Worked up. Released plug. Displaced  
with H<sub>2</sub>O & mud. Loaded plug & #.  
Released a float. Held.

DEPTH OF JOB 4980'  
 PUMP TRUCK CHARGE 3099.25  
 EXTRA FOOTAGE @ \_\_\_\_\_  
 MILEAGE Hwy 50 @ 7.70 385.00  
 MANIFOLD @ \_\_\_\_\_  
Head Rent @ 275.00 275.00  
\_\_\_\_\_ @ \_\_\_\_\_

CHARGE TO: Leano Oil & Gas  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL 5,413.31  
 (30%) 1,623.97

**PLUG & FLOAT EQUIPMENT**

5 1/2" AFU Float Shoe	@	<u>545.00</u>	<u>545.00</u>
Lockdown Plug	@	<u>325.00</u>	<u>325.00</u>
16" Cementation	@	<u>57.00</u>	<u>912.00</u>
Stage Callon	@	<u>5335.00</u>	<u>5,335.00</u>
1" Bucket	@	<u>395.00</u>	<u>395.00</u>

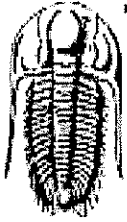
(28%) TOTAL 7,512.00  
2,103.36

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.

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 18,937.91  
 DISCOUNT 5,531.13 (30/30/25) IF PAID IN 30 DAYS

PRINTED NAME X Mike Pettigrew  
 SIGNATURE X Mike Pettigrew

13,406.78



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Lario Oil & Gas Company

36-18s-34w Scott co.

301 S Market ST  
Wichita, KS 67202

HRC Feedyard #3-36

Job Ticket: 57061

DST#: 1

ATTN: Brad Rine

Test Start: 2014.05.02 @ 02:26:00

## GENERAL INFORMATION:

Formation: **Lansing " D "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:32:30

Time Test Ended: 09:53:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Samuel Esparza

Unit No: 71

Interval: 4097.00 ft (KB) To 4118.00 ft (KB) (TVD)

Total Depth: 4118.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3083.00 ft (KB)

3071.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8845 Outside

Press@RunDepth: 14.25 psig @ 4098.00 ft (KB)

Start Date: 2014.05.02

End Date: 2014.05.02

Start Time: 02:26:05

End Time: 09:53:14

Capacity: 8000.00 psig

Last Calib.: 2014.05.02

Time On Btm: 2014.05.02 @ 05:32:15

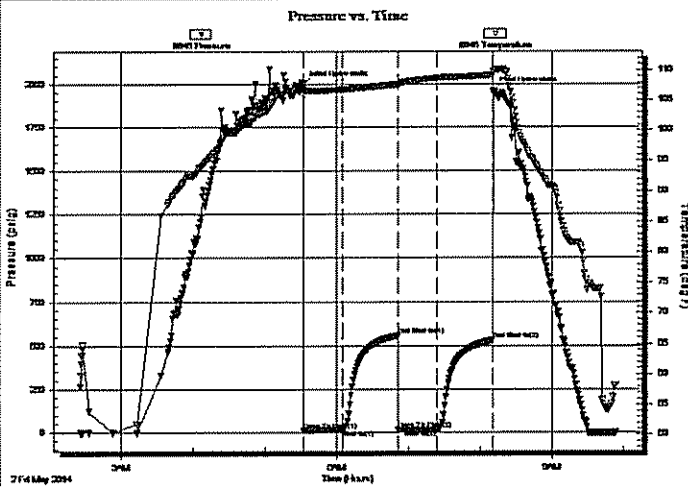
Time Off Btm: 2014.05.02 @ 08:10:30

TEST COMMENT: IF: Weak Surface Blow died @ 12 min.

IS: No Return.

FF: No Blow.

FSI: No Return.



## PRESSURE SUMMARY

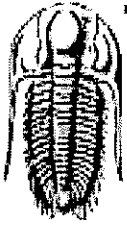
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1997.48	106.93	Initial Hydro-static
1	12.27	105.68	Open To Flow (1)
33	14.50	106.76	Shut-In(1)
79	556.03	107.59	End Shut-In(1)
79	14.57	107.45	Open To Flow (2)
112	14.25	108.64	Shut-In(2)
158	529.78	109.14	End Shut-In(2)
159	1961.40	109.60	Final Hydro-static

## Recovery

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

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil & Gas Company

**36-18s-34w Scott co.**

301 S Market ST  
Wichita, KS 67202

**HRC Feedyard #3-36**

Job Ticket: 57061

DST#: 1

ATTN: Brad Rine

Test Start: 2014.05.02 @ 02:26:00

**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: 6.60 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbf
5.00	Mud 100m	0.070

Total Length: 5.00 ft

Total Volume: 0.070 bbf

Num Fluid Samples: 0

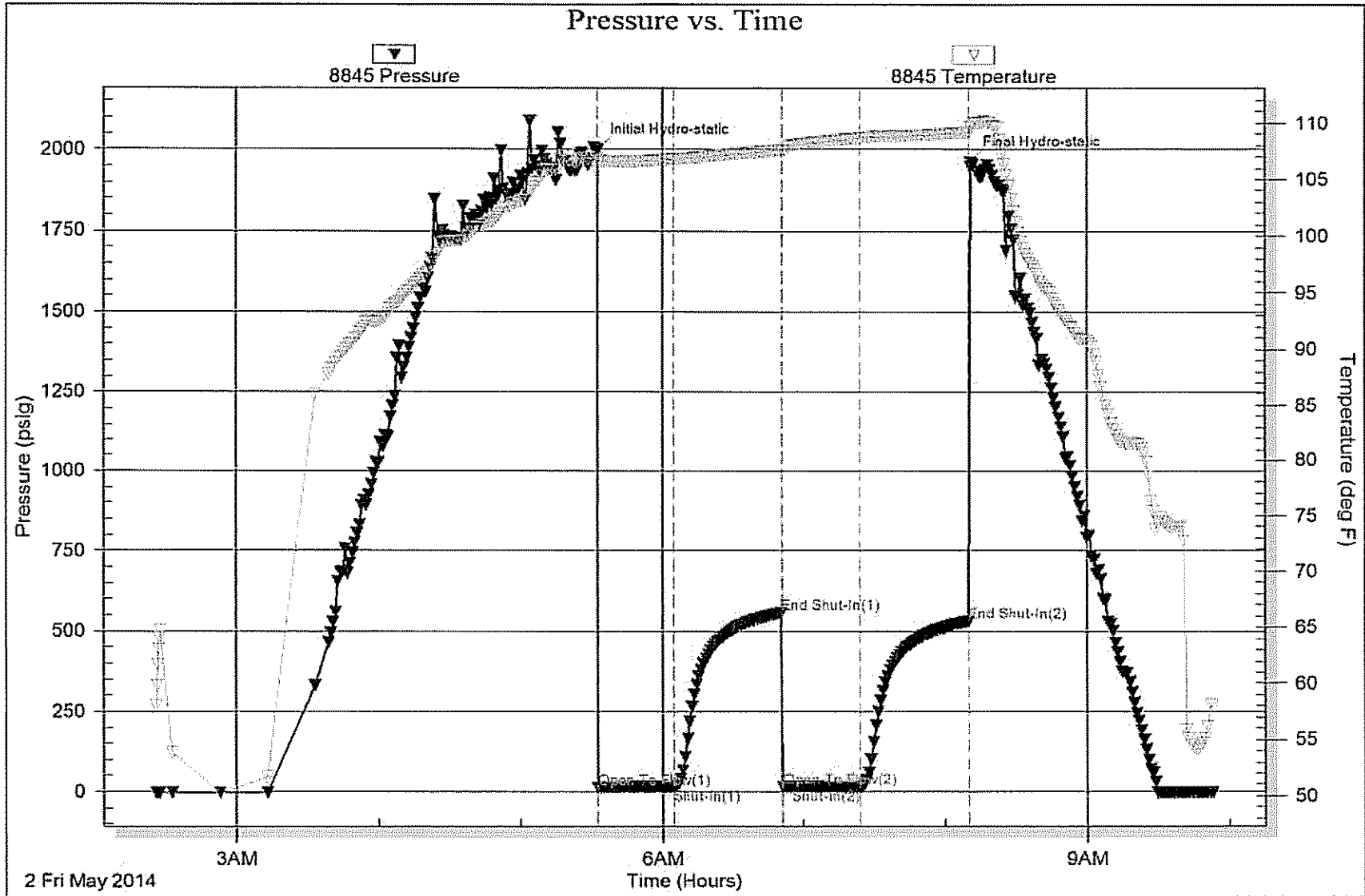
Num Gas Bombs: 0

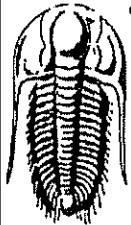
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Lario Oil & Gas Company

36-18s-34w Scott co.

301 S Market ST  
Wichita, KS 67202

HRC Feedyard #3-36

Job Ticket: 57062

DST#: 2

ATTN: Brad Rine

Test Start: 2014.05.02 @ 22:31:00

## GENERAL INFORMATION:

Formation: **Lansing "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:37:15

Time Test Ended: 06:18:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Samuel Esparza

Unit No: 71

Interval: 4194.00 ft (KB) To 4229.00 ft (KB) (TVD)

Total Depth: 4229.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3083.00 ft (KB)

3071.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8845

Outside

Press@RunDepth: 34.29 psig @ 4195.00 ft (KB)

Start Date: 2014.05.02

End Date:

2014.05.03

Start Time: 22:31:05

End Time:

06:18:44

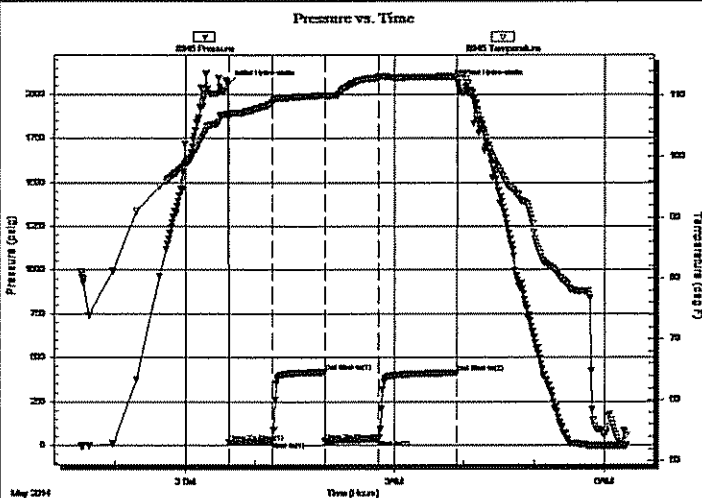
Capacity: 8000.00 psig

Last Calib.: 2014.05.03

Time On Btm: 2014.05.03 @ 00:37:00

Time Off Btm: 2014.05.03 @ 03:55:00

TEST COMMENT: IF: 1" Blow.  
IS: No Return.  
FF: No Blow.  
FS: No Return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2060.03	107.03	Initial Hydro-static
1	14.60	106.35	Open To Flow (1)
38	23.21	108.88	Shut-In(1)
83	417.13	109.99	End Shut-In(1)
84	23.92	109.93	Open To Flow (2)
130	34.29	113.04	Shut-In(2)
197	412.53	113.14	End Shut-In(2)
198	2058.75	113.62	Final Hydro-static

## Recovery

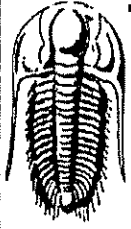
Length (ft)	Description	Volume (bbl)
45.00	OWCM 15w 25o 60m	0.63

\* 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

36-18s-34w Scott co.

301 S Market ST  
Wichita, KS 67202

HRC Feedyard #3-36

Job Ticket: 57062

DST#: 2

ATTN: Brad Rine

Test Start: 2014.05.02 @ 22:31:00

### 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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6300.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
45.00	OWCM 15w 25o 60m	0.631

Total Length: 45.00 ft      Total Volume: 0.631 bbl

Num Fluid Samples: 0

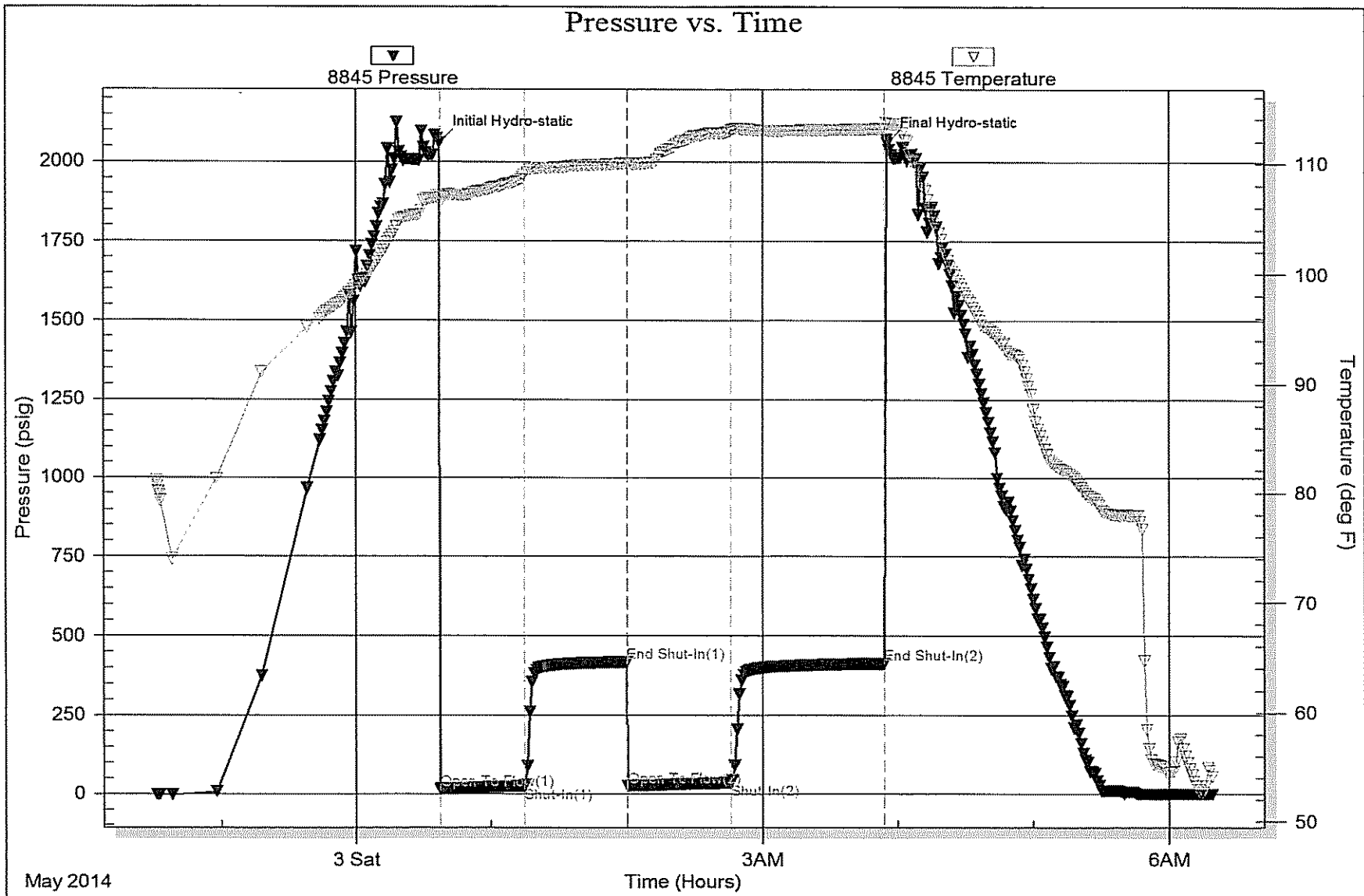
Num Gas Bombs: 0

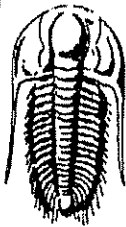
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Company

36-18s-34w Scott co.

301 S Market ST  
Wichita, KS 67202

HRC Feedyard #3-36

Job Ticket: 57063

DST#: 3

ATTN: Brad Rine

Test Start: 2014.05.03 @ 20:29:00

### GENERAL INFORMATION:

Formation: Lansing " K "

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:27:00

Time Test Ended: 04:31:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Samuel Esparza

Unit No: 71

Interval: 4305.00 ft (KB) To 4320.00 ft (KB) (TVD)

Total Depth: 4320.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3083.00 ft (KB)

3071.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8845

Outside

Press@RunDepth: 205.21 psig @ 4306.00 ft (KB)

Start Date: 2014.05.03

End Date: 2014.05.04

Capacity: 8000.00 psig

Last Calib.: 2014.05.04

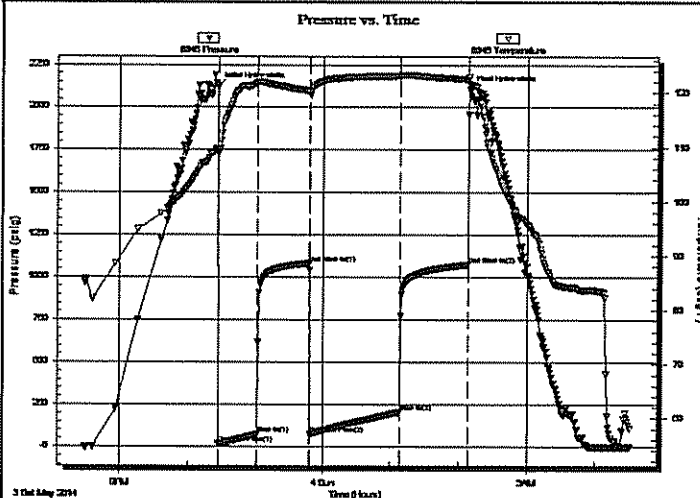
Start Time: 20:29:05

End Time: 04:31:29

Time On Btm: 2014.05.03 @ 22:26:45

Time Off Btm: 2014.05.04 @ 02:09:30

TEST COMMENT: IF: 7 3/4" Blow.  
IS: No Return.  
FF: 9 3/4" Blow.  
FS: No Return.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2119.58	109.73	Initial Hydro-static
1	15.38	108.66	Open To Flow (1)
35	71.95	121.76	Shut-In(1)
81	1083.51	120.30	End Shut-In(1)
82	73.64	119.76	Open To Flow (2)
162	205.21	123.05	Shut-In(2)
222	1074.64	122.40	End Shut-In(2)
223	2105.55	121.64	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
365.00	MW 10m 90w	5.12

\* 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

36-18s-34w Scott co.

301 S Market ST  
Wichita, KS 67202

HRC Feedyard #3-36

Job Ticket: 57063

DST#: 3

ATTN: Brad Rine

Test Start: 2014.05.03 @ 20:29:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

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

Resistivity: 0.00 ohm.m

Salinity: 8000.00 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:

46000 ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
365.00	MW 10m 90w	5.120

Total Length: 365.00 ft      Total Volume: 5.120 bbl

Num Fluid Samples: 0

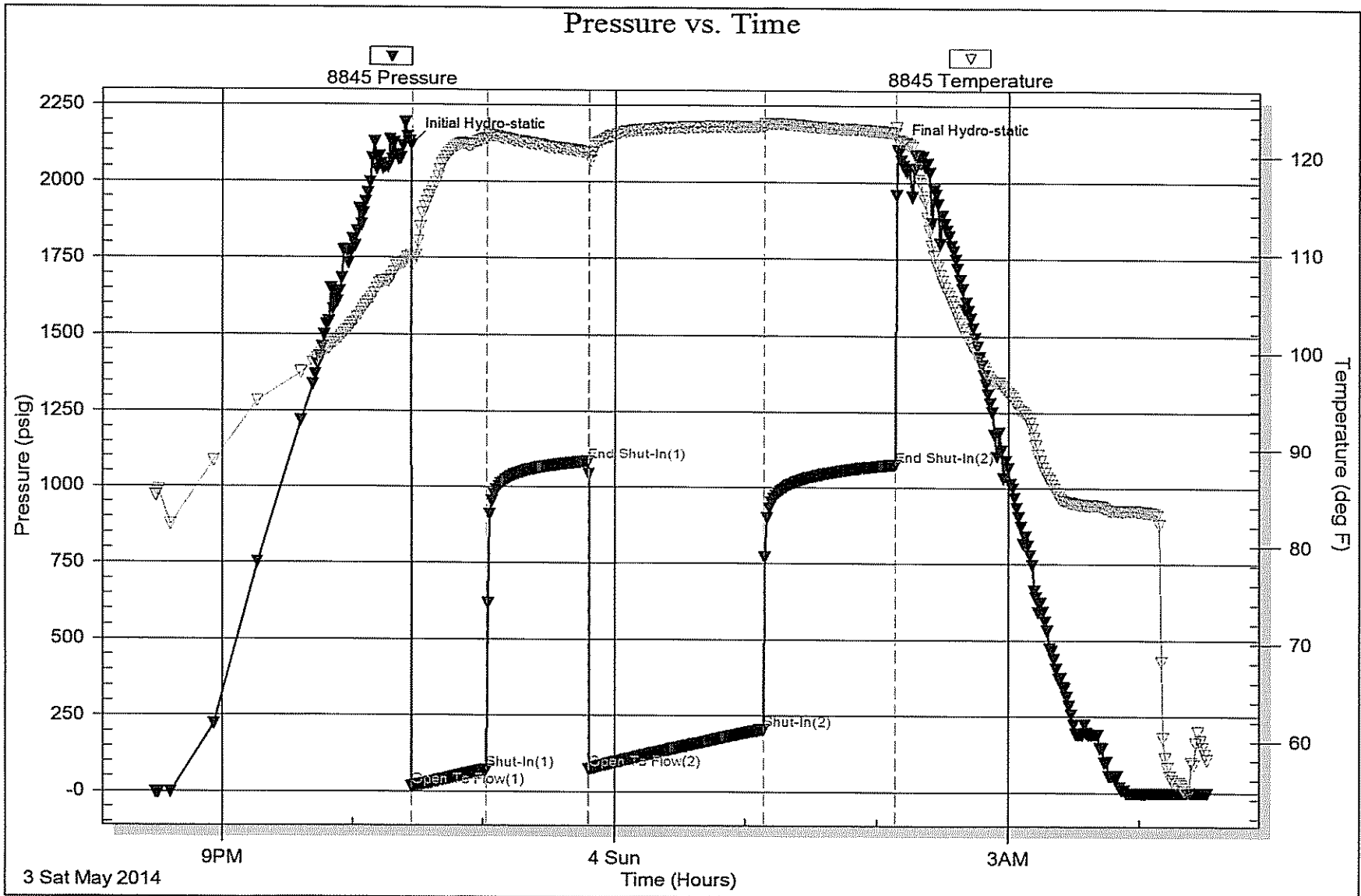
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Water Salinity: .195 @ 56 degrees= 46,000 ppm





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Lario Oil & Gas Company

36-18s-34w Scott co.

301 S Market ST  
Wichita, KS 67202

HRC Feedyard #3-36

Job Ticket: 57064

DST#: 4

ATTN: Brad Rine

Test Start: 2014.05.05 @ 02:08:00

## GENERAL INFORMATION:

Formation: **Marmaton "A & B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:26:00

Time Test Ended: 10:18:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Samuel Esparza

Unit No: 71

Interval: **4431.00 ft (KB) To 4498.00 ft (KB) (TVD)**

Total Depth: **4498.00 ft (KB) (TVD)**

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

Reference Elevations: **3083.00 ft (KB)**

**3071.00 ft (CF)**

KB to GR/CF: **12.00 ft**

Serial #: **8845** Inside

Press@RunDepth: **199.22 psig @ 4432.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2014.05.05**

End Date: **2014.05.05**

Last Calib.: **2014.05.05**

Start Time: **02:08:05**

End Time: **10:18:29**

Time On Btm: **2014.05.05 @ 04:25:45**

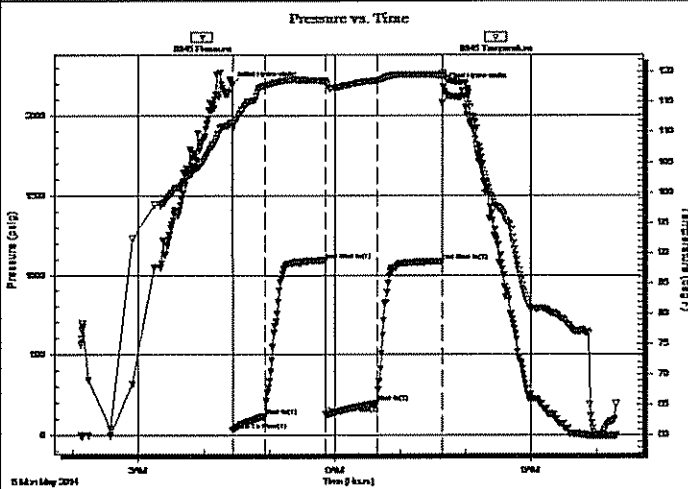
Time Off Btm: **2014.05.05 @ 07:39:30**

TEST COMMENT: IF: BOB @ 29 min.

IS: No Return.

FF: BOB @ 26 min.

IS: 1/2" Return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2196.76	111.54	Initial Hydro-static
1	30.76	110.50	Open To Flow (1)
30	119.20	117.76	Shut-In(1)
86	1094.26	118.50	End Shut-In(1)
86	127.55	118.16	Open To Flow (2)
133	199.22	118.55	Shut-In(2)
193	1086.74	119.46	End Shut-In(2)
194	2184.78	119.56	Final Hydro-static

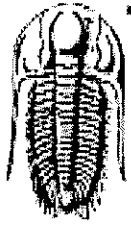
## Recovery

Length (ft)	Description	Volume (bbl)
250.00	GMCO 20g 30m 50o	3.51
205.00	GO 20g 80o	2.88
0.00	315' 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

36-18s-34w Scott co.

301 S Market ST  
Wichita, KS 67202

HRC Feedyard #3-36

Job Ticket: 57064

DST#: 4

ATTN: Brad Rine

Test Start: 2014.05.05 @ 02:08:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.59 in<sup>2</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbf
250.00	GMCO 20g 30m 50o	3.507
205.00	GO 20g 80o	2.876
0.00	315' GP	0.000

Total Length: 455.00 ft      Total Volume: 6.383 bbf

Num Fluid Samples: 0

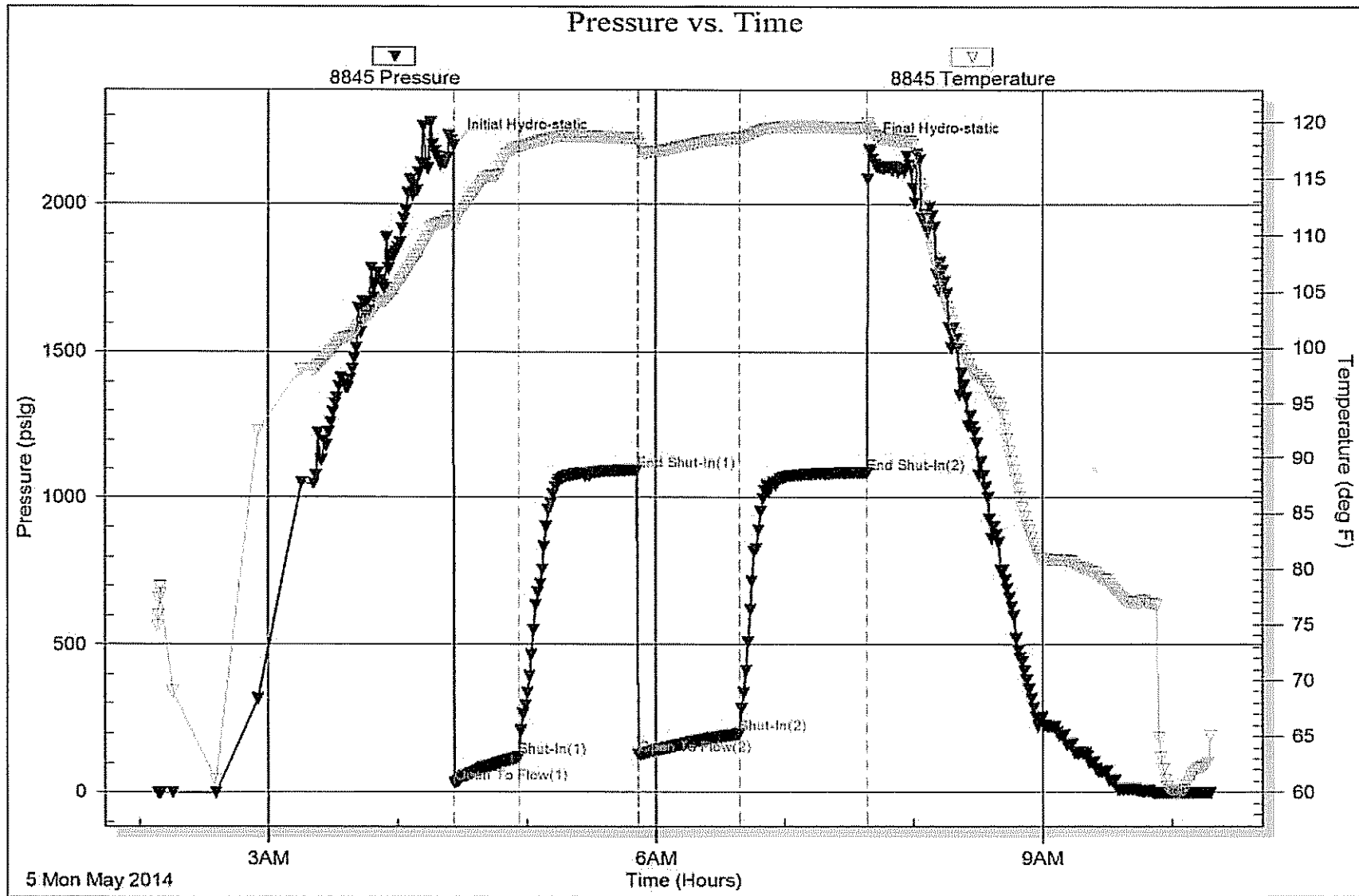
Num Gas Bombs: 0

Serial #:

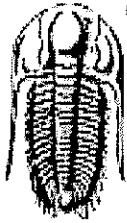
Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity: 29 @ 70 degrees= 28 deg API







**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Lario Oil & Gas Company

36-18s-34w Scott co.

301 S Market ST  
Wichita, KS 67202

HRC Feedyard #3-36

Job Ticket: 57065

DST#: 5

ATTN: Brad Rine

Test Start: 2014.05.06 @ 02:54:00

**GENERAL INFORMATION:**

Formation: **Marmaton C Pawnee, F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:10:30

Time Test Ended: 09:33:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Samuel Esparza

Unit No: 71

Interval: **4500.00 ft (KB) To 4585.00 ft (KB) (TVD)**

Total Depth: **4585.00 ft (KB) (TVD)**

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

Reference Elevations: **3083.00 ft (KB)**

**3071.00 ft (CF)**

KB to GR/CF: **12.00 ft**

**Serial #: 8845** Inside

Press@RunDepth: **23.10 psig @ 4501.00 ft (KB)**

Start Date: **2014.05.06**

End Date: **2014.05.06**

Start Time: **02:54:05**

End Time: **09:33:29**

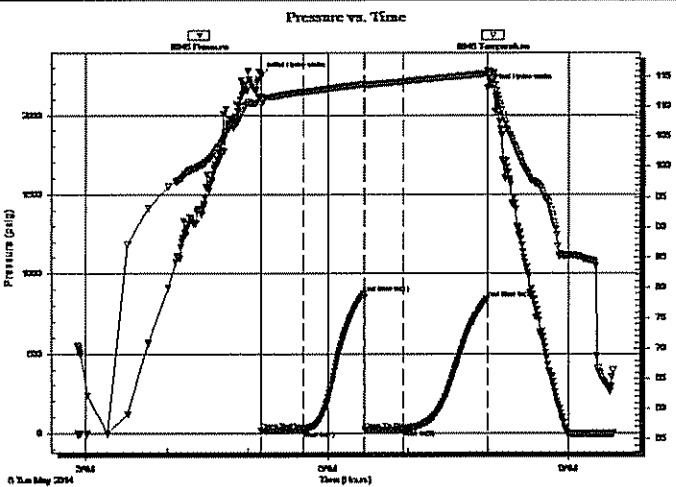
Capacity: **8000.00 psig**

Last Calib.: **2014.05.06**

Time On Blm: **2014.05.06 @ 05:10:15**

Time Off Blm: **2014.05.06 @ 07:59:45**

TEST COMMENT: IF: 1" Blow.  
ISI: No Return.  
FF: No Blow.  
FSI: No Return.



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2249.94	111.72	Initial Hydro-static
1	15.46	110.42	Open To Flow (1)
32	18.49	112.49	Shut-in(1)
77	875.49	113.75	End Shut-in(1)
78	21.02	113.51	Open To Flow (2)
107	23.10	114.21	Shut-in(2)
169	841.46	115.51	End Shut-in(2)
170	2177.44	116.00	Final Hydro-static

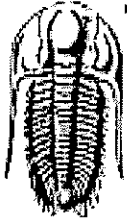
**Recovery**

Length (ft)	Description	Volume (bbl)
15.00	Mud 100m ( Oil Spots )	0.21

**Gas Rates**

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil & Gas Company

36-18s-34w Scott co.

301 S Market ST  
Wichita, KS 67202

HRC Feedyard #3-36

Job Ticket: 57065

DST#: 5

ATTN: Brad Rine

Test Start: 2014.05.06 @ 02:54:00

**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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in<sup>2</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 1.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud 100m ( Oil Spots )	0.210

Total Length: 15.00 ft

Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

