



# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 143792  
Invoice Date: Jun 11, 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 14 093  
6-22-14 LK*

Customer ID	Field Ticket #	Payment Terms	
Lario	64011	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jun 11, 2014	7/11/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Corinne #5-33		
145.00	CEMENT MATERIALS	Class A Common	17.90	2,595.50
409.00	CEMENT MATERIALS	Chloride	1.10	449.90
152.25	CEMENT SERVICE	Cubic Feet Charge	2.48	377.58
175.50	CEMENT SERVICE	Ton Mileage Charge	2.75	482.63
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
25.00	CEMENT SERVICE	Pump Truck Mileage	7.70	192.50
1.00	CEMENT SERVICE	Swedge Manifold Rental	275.00	275.00
25.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	110.00
1.00	EQUIPMENT OPERATOR	Paul Beaver		
1.00	EQUIPMENT OPERATOR	Tyler Flipse		
1.00	OPERATOR ASSISTANT	Adam Flipse		

*xe*  
JUN 24 2014  
*xe*

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

\$ 1,798.60

ONLY IF PAID ON OR BEFORE  
Jul 11, 2014

Subtotal	5,995.36
Sales Tax	232.97
Total Invoice Amount	6,228.33
Payment/Credit Applied	
<b>TOTAL</b>	<b>6,228.33</b>

# ALLIED OIL & GAS SERVICES, LLC 064011

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
Oakley, KS

DATE <u>6-11-14</u>	SEC. <u>33</u>	TWP. <u>14</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>5:30 p.m.</u>	JOB START <u>7:15 p.m.</u>	JOB FINISH <u>9:45 p.m.</u>
LEASE <u>Corinnx</u>	WELL # <u>5-33</u>	LOCATION <u>Oakley S to Gold Rd, W, N into before tank batteries</u>			COUNTY <u>Logan</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR WV 2 OWNER Same

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 245' CEMENT AMOUNT ORDERED 145 sks Com 3% CC

CASING SIZE 8 5/8 DEPTH 244.86'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM COMMON 145 sks @ 17.90 2595.50

MEAS. LINE SHOE JOINT POZMIX @

CEMENT LEFT IN CSG. 15' GEL @

PERFS. CHLORIDE 409 # @ 1.10 449.90

DISPLACEMENT 14.64 bbl H2O ASC @

EQUIPMENT Material total @ 3095.40

PUMP TRUCK CEMENTER Paul Beaver (913.60 / 30%) @

# 120 HELPER Tyler Flipse @

BULK TRUCK DRIVER Adam Flipse @

# 891/308 DRIVER @

BULK TRUCK DRIVER @

# DRIVER @

HANDLING 152.25 ft<sup>3</sup> @ 2.48 377.58

MILEAGE 7.02 hrs @ 2.75 193.05

TOTAL

**REMARKS:**

Mix 145 sks Com 3% CC  
Displace w/ water  
cement did circulate

Thank You!  
Paul & Tyler

CHARGE TO: Lario Oil + Gas

STREET

CITY STATE ZIP

**SERVICE**

DEPTH OF JOB 245'

PUMP TRUCK CHARGE 1512.25

EXTRA FOOTAGE @

MILEAGE MHV 25 @ 7.70 192.50

MANIFOLD Storage 25 @ 275.00

MHV 25 @ 4.40 110.00

(884.98 / 30%) @ 2,999.96

TOTAL

**PLUG & FLOAT EQUIPMENT**

@  
@  
@  
@  
@

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.

PRINTED NAME

SIGNATURE Walter B. [Signature]

SALES TAX (If Any)

TOTAL CHARGES 5,995.36

DISCOUNT 1,798.60 (30%) IF PAID IN 30 DAYS

Net 4,196.75

64011

BID SHEET



Hide/Unhide Rows

Date	April 21, 2014
Ticket Number	
Service Point:	Oakley, KS
Address	P.O. Box 27
	Oakley, KS 67748
Business Phone	785-672-3452

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

Company	Larjo 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@larjooil.com	Depth	220
Well Name	Corinne	Mobile Phone:		String	O1 Surface
Well Number	#5-33	Prepared By:	Neal Rupp	Casing Size	8 5/8
Field	S2,SW,NW,SE, Sec: 33-T14S-R3	Email	neal.rupp@alliedservices.com	ID	8.095
County	Logan	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.		Btm (md)	220
Specific Job Type	O1 Surface	Rig Phone:		Thread	LTC
		Company Rep			
		Rep Phone No.			
		Mileage (one-way)	25		
		Proposal Date	April 21, 2014		

OPERATIONS	Units	UOM	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				
Subtotal				\$ 1,787.25		\$1,251.08				
<b>EQUIPMENT SALES</b>										
8 5/8 Wooden Plug	1.00	each	\$76.25	\$ 76.25	\$ 76.25	\$76.25	\$57.19	\$57.19	\$19.06	25.0%
Subtotal				\$ 76.25		\$76.25		\$57.19	\$19.06	25.00%
<b>PRODUCTS</b>										
CLASS A COMMON	145.00	per sack	\$17.90	\$ 2,595.50	\$ 12.53	\$1,816.85	\$0.00	\$0.00	\$1,816.85	100.0%
Calcium Chloride	6.00	per sack	\$64.00	\$ 384.00	\$ 44.80	\$268.80	\$15.00	\$90.00	\$178.80	66.5%
Subtotal				\$ 2,979.50		\$2,085.65		\$90.00	\$1,995.65	95.68%
<b>TRANSPORT</b>										
Products handling service charge	153.10	per cu. ft.	\$2.48	\$ 379.68	\$ 1.74	\$265.78				
Drayage for Products	175.49	ton-mile	\$2.60	\$ 456.26	\$ 1.82	\$319.38				
Light Vehicle Mileage	25.00	per mile	\$4.40	\$ 110.00	\$ 3.08	\$77.00				
Heavy Vehicle Mileage	25.00	per mile	\$7.70	\$ 192.50	\$ 5.39	\$134.75				
Subtotal				\$ 1,138.44		\$796.91				
Totals:				\$ 5,981.44		\$4,209.89				
DISCOUNT: Operations			30.0%	(536.18)						
DISCOUNT: Equipment Sales			0.0%	0.00						
DISCOUNT: Products			30.0%	(893.85)						
DISCOUNT: Transport			30.0%	(341.53)						
DISCOUNT: ADDITIONAL ITEMS			30.0%	0.00						
			Total	(1,771.56)						

Services Total	Gross \$2,925.69	Discount \$877.71	Final \$2,047.99	Costs:	\$ GP	% GP	
Materials Total	\$3,055.75	\$893.85	\$2,161.90	Services	\$921.59	\$1,126.39	55.00%
Final Total	\$5,981.44	\$1,771.56	\$4,209.89	Materials	\$147.19	\$2,014.71	93.19%
				Total	\$1,068.78	\$3,141.00	74.61%

ADDITIONAL ITEMS										
Additional hours, in excess of set hours	1.00	per hour	\$440.00	\$ 440.00	\$ 308.00	\$308.00				



# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 144089  
Invoice Date: Jun 23, 2014  
Page: 1

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

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

Customer ID	Field Ticket #	Payment Terms	
Lario	64034	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jun 23, 2014	7/23/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Corinne #5-33		
170.00	CEMENT MATERIALS	ASC	20.90	3,553.00
375.00	CEMENT MATERIALS	Light Weight Type 1	16.50	6,187.50
867.00	CEMENT MATERIALS	Salt	0.68	589.56
94.00	CEMENT MATERIALS	Flo Seal	2.97	279.18
850.00	CEMENT MATERIALS	Gilsonite	0.98	833.00
51.00	CEMENT MATERIALS	FI-160	18.90	963.90
25.00	CEMENT MATERIALS	Defoamer	3.50	87.50
12.00	CEMENT MATERIALS	Mud Clean	41.09	493.08
643.95	CEMENT SERVICE	Cubic Feet Charge	2.48	1,597.00
679.50	CEMENT SERVICE	Ton Mileage Charge	2.75	1,868.63
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
25.00	CEMENT SERVICE	Pump Truck Mileage	7.70	192.50
1.00	CEMENT SERVICE	Manifold Head Rental	275.00	275.00
25.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	110.00
1.00	EQUIPMENT SALES	5-1/2 D V Tool	5,335.00	5,335.00
1.00	EQUIPMENT SALES	5-1/2 AFU Float Shoe	640.00	640.00
1.00	EQUIPMENT SALES	5-1/2 Latch Down Plug	325.00	325.00
12.00	EQUIPMENT SALES	5-1/2 Centralizer	57.00	684.00
1.00	EQUIPMENT SALES	5-1/2 Basket	395.00	395.00

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

\$ 8,505.30

ONLY IF PAID ON OR BEFORE  
Jul 23, 2014

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



# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 144089

Invoice Date: Jun 23, 2014

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

Customer ID	Field Ticket #	Payment Terms	
Lario	64034	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jun 23, 2014	7/23/14

Quantity	Item	Description	Unit Price	Amount
1.00	CEMENT SUPERVISOR	LaRene Wentz		
1.00	EQUIPMENT OPERATOR	Wayne McGhghy		

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

\$ 8,505.30

ONLY IF PAID ON OR BEFORE

Jul 23, 2014

Subtotal	29,580.85
Sales Tax	1,557.98
Total Invoice Amount	31,138.83
Payment/Credit Applied	
<b>TOTAL</b>	<b>31,138.83</b>

# ALLIED OIL & GAS SERVICES, LLC 064034

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Oakley, TX

DATE <u>6-23-14</u>	SEC <u>33</u>	TWP <u>14</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>10:00 am</u>	JOB START <u>7:15 pm</u>	JOB FINISH <u>8:10 pm</u>
LEASE <u>Carrine</u>	WELL # <u>S33</u>	LOCATION <u>Oakley, 23 S, 1 W,</u>	COUNTY <u>Logan</u>	STATE <u>KS</u>			
OLD OR NEW (Circle one)		<u>NEW</u>					

CONTRACTOR WJ 2 OWNER Same

TYPE OF JOB <u>Production 2 stage</u>	CEMENT	
HOLE SIZE <u>7 7/8</u> T.D. <u>4504'</u>	AMOUNT ORDERED <u>170 SK ASC 10% salt</u>	
CASING SIZE <u>5 1/2</u> DEPTH <u>4475.99'</u>	<u>2" gel, 5" gel, 5" gel, 375 SK ALW</u>	
TUBING SIZE	<u>Type 1 Ver 16, 18, 20 seal, 12 661 mud clean</u>	
DRILL PIPE		
TOOL <u>DW</u> DEPTH <u>2195.31'</u>		
PRES. MAX	COMMON	@
MEAS. LINE	POZMIX	@
CEMENT LEFT IN CSG. <u>21.01'</u>	GEL	@
PERFS.	CHLORIDE	@
DISPLACEMENT <u>106.03 661</u>	ASC	<u>170 SK @ 20.90 = 3553.00</u>

EQUIPMENT		
PUMP TRUCK CEMENTER <u>Lakene E Wenz</u>	<u>Florsal 74#</u>	@ <u>2.77 = 209.78</u>
# <u>422</u> HELPER <u>Wayne McLaughly</u>	<u>9750#</u>	@ <u>.98 = 88.00</u>
BULK TRUCK	<u>FL 160 (CR 210) 51#</u>	@ <u>18.90 = 963.90</u>
# <u>386/241</u> DRIVER <u>Juan Tamez (TWS)</u>	<u>Deframer 25#</u>	@ <u>3.50 = 87.50</u>
BULK TRUCK	<u>Mud Clean 12661</u>	@ <u>41.09 = 493.08</u>
# <u>600</u> DRIVER <u>Esteban Akala (TWS)</u>	<u>Mc Series 100#</u>	@ <u>12.96 = 1296.00</u>
	HANDLING <u>693.95 SK</u>	@ <u>2.48 = 1522.00</u>
	MILEAGE <u>22.18 ton x 2.5 x 2.75</u>	<u>1868.63</u>
	<b>(3,894.02 / 30%) TOTAL</b>	

REMARKS:  
Pump ball through 400 # Mix Mud clean  
Mix 170 SKs cement, Displacement  
water mud, Land pay 1700\$ open  
D/T test 300 #, Cure 3 hrs. Plug 15' at  
Plug 15' at 2050', mix 330 SKs  
Displacement water hand plug  
1700 # of sand held, cement did  
circulate. 20 SKs at pit  
Thank you.

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

SERVICE		
DEPTH OF JOB <u>4475.99'</u>		
PUMP TRUCK CHARGE		<u>2765.75</u>
EXTRA FOOTAGE <u>2nd stage</u>		<u>2406.25</u>
MILEAGE <u>MTW 25</u>	@ <u>7.70</u>	<u>192.50</u>
MANIFOLD <u>Wood</u>	@	<u>275.00</u>
<u>WLD 25</u>	@ <u>4.40</u>	<u>110.00</u>
	@	
	<b>(2,764.53 / 30%) TOTAL</b>	<u>9215.13</u>

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.

WHEELBARROW & FLOAT EQUIPMENT		
<u>DD Tool</u>		<u>5835.00</u>
<u>AFC Float Shoe</u>	@	<u>640.00</u>
<u>Water dump pug</u>	@	<u>325.00</u>
<u>(12) Centralizers</u>	@ <u>52.00</u>	<u>624.00</u>
<u>(1) Basket</u>	@	<u>375.00</u>
	@	

Bid (1,844.75 / 25%) TOTAL 7,379.00

PRINTED NAME Jim Gillogly  
SIGNATURE Jim Gillogly

SALES TAX (If Any) \_\_\_\_\_  
TOTAL CHARGES 29,580.85  
DISCOUNT 7,505.30 / 30% (25%) IF PAID IN 30 DAYS  
21,075.55 Net

BID SHEET



Hide/Unhide Rows

Date	April 21, 2014
Ticket Number	
Service Point:	Oakley, KS
Address	P.O. Box 27
	Oakley, KS 67748
Business Phone	785-672-3452

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

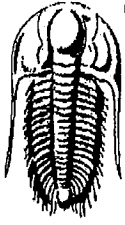
	0
--	---

Company	Lario Oil & Gas	Prepared For:	Jay Schwelkert	Well Data	
Address	301 S Market	Business Phone:	316-265-5611	Open Hole	7 7/8
Address	Wichita, KS 67202	Email:	jschwelkert@lariooil.com	Depth	4,500
Well Name	Corinne	Mobile Phone:		String	4 Port Collar/Stage
Well Number	#5-33	Prepared By:	Neal Rupp	Casing Size	5 1/2
Field	SE, NE, NE, NW Sec: 1 - T19S - R3	Email	neal.rupp@alliedservices.com	ID	4,950
County	Logan	Mobile Phone:	316-250-7057	Weight	15.5
State	Kansas	Business Phone:	316-260-3368	Grade	J-55
City		Rtg Contractor		Top (md)	
API Number		Rtg Name/No.		Btm (md)	4,500
Specific Job Type	04 Port Collar/Stage	Rtg Phone:		Thread	2,200
		Company Rep			
		Rep Phone No.			
		Mileage (one-way)	25		
		Proposal Date	4/21/2014		

OPERATIONS	Units	UOM	Cost per Unit	Total	Unit Net	Net	Cost per Unit	Cost Total	\$ GP	% GP
Casing Pump Charge 5001' to 6000'	1.00	for 6 hours	\$3,099.25	\$ 3,099.25	\$ 2,169.48	\$2,169.48				
Stage Job - Additional Stages	1.00	min. 4 hr	\$2,406.25	\$ 2,406.25	\$ 1,684.38	\$1,684.38				
Cementing Head Rental with Manifold	1.00	per day	\$275.00	\$ 275.00	\$ 192.50	\$192.50				
Subtotal				\$ 5,780.50		\$4,046.35				
<b>EQUIPMENT SALES</b>										
5 1/2 AFU Float Shoe	1.00	each	\$640.00	\$ 640.00	\$ 480.00	\$480.00	\$57.19	\$57.19	\$422.81	88.1%
5 1/2 Latch Down Plug	1.00	each(blue)	\$325.00	\$ 325.00	\$ 243.75	\$243.75	\$50.63	\$50.63	\$193.12	79.2%
5 1/2 Stage Collar Standard	1.00	each	\$5,335.00	\$ 5,335.00	\$ 4,001.25	\$4,001.25	\$3,447.31	\$3,447.31	\$553.94	13.8%
5 1/2 Cement Basket	1.00	each	\$395.00	\$ 395.00	\$ 296.25	\$296.25	\$170.00	\$170.00	\$126.25	42.6%
5 1/2 Centralizer	16.00	each	\$97.00	\$ 912.00	\$ 42.75	\$684.00	\$24.57	\$393.12	\$290.88	42.5%
Subtotal				\$ 7,607.00		\$5,705.25		\$4,118.25	\$1,587.00	27.82%
<b>PRODUCTS</b>										
Super Flush	12.00	per bbl	\$58.70	\$ 704.40	\$ 41.09	\$493.08	\$46.06	\$552.72	-\$59.64	-12.1%
ALLIED SPECIAL BLEND CEMENT - CLASS A	150.00	per sack	\$20.90	\$ 3,135.00	\$ 14.63	\$2,194.50	\$0.00	\$0.00	\$2,194.50	100.0%
FL-16 Fluid Loss Additive - High Temperature	43.00	per pound	\$18.90	\$ 812.70	\$ 13.23	\$568.89	\$3.98	\$171.14	\$397.75	69.9%
Rol Seal	750.00	per pound	\$0.98	\$ 735.00	\$ 0.69	\$514.50	\$0.22	\$165.00	\$349.50	67.9%
Powdered Defoamer	21.00	per pound	\$9.80	\$ 205.80	\$ 6.86	\$144.06	\$0.87	\$18.27	\$125.79	87.3%
ALLIED LIGHT WEIGHT CEMENT TYPE 1 - CLASS A	370.00	per sack	\$16.50	\$ 6,105.00	\$ 11.55	\$4,273.50	\$0.00	\$0.00	\$4,273.50	100.0%
Flo Seal	93.00	per pound	\$2.97	\$ 276.21	\$ 2.08	\$193.35	\$1.08	\$100.44	\$92.91	48.1%
ALLIED LIGHT WEIGHT CEMENT TYPE 4 - CLASS A	45.00	per sack	\$16.50	\$ 742.50	\$ 11.55	\$519.75	\$0.00	\$0.00	\$519.75	100.0%
Flo Seal	12.00	per pound	\$2.97	\$ 35.64	\$ 2.08	\$24.95	\$1.08	\$12.96	\$11.99	48.1%
Subtotal				\$ 12,752.25		\$8,926.58		\$1,020.53	\$7,906.05	88.57%
<b>TRANSPORT</b>										
Products handling service charge	655.49	per cu. Ft.	\$2.48	\$ 1,625.61	\$ 1.74	\$1,137.93				
Drayage for Products	690.57	ton-mile	\$2.60	\$ 1,795.49	\$ 1.82	\$1,256.84				
Light Vehicle Mileage	25.00	per mile	\$4.40	\$ 110.00	\$ 3.08	\$77.00				
Heavy Vehicle Mileage	25.00	per mile	\$7.70	\$ 192.50	\$ 5.39	\$134.75				
Subtotal				\$ 3,723.60		\$2,606.52				
Totals:				\$ 29,863.35		\$21,284.70				
DISCOUNT: Operations			30.0%	(1,734.15)						
DISCOUNT: Equipment Sales			25.0%	(1,901.75)						
DISCOUNT: Products			30.0%	(3,825.68)						
DISCOUNT: Transport			30.0%	(1,117.08)						
DISCOUNT: ADDITIONAL ITEMS			30.0%	0.00						
= Total				(8,578.66)						

	Gross	Discount	Final	Costs:	\$ GP.	% GP	
Services Total	\$9,504.10	\$2,851.23	\$6,652.87	Services	\$2,993.79	\$3,659.08	55.00%
Materials Total	\$20,359.25	\$5,727.43	\$14,631.83	Materials	\$5,138.78	\$9,493.05	64.88%
Final Total	\$29,863.35	\$8,578.66	\$21,284.70	Total	\$8,132.57	\$13,152.12	61.79%

<b>ADDITIONAL ITEMS</b>										
Additional hours, in excess of set hours	1.00	per hour	\$440.00	\$ 440.00	\$ 308.00	\$308.00				



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Co.

**S33-14s-32w Logan, KS**

301 S. Market St.  
Wichita, KS 67202

**Corinne #5-33**

Job Ticket: 57697

**DST#: 1**

ATTN: Mac Armstrong

Test Start: 2014.06.15 @ 13:02:00

### GENERAL INFORMATION:

Formation: **Lansing 'B'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:15:50

Time Test Ended: 20:47:09

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 62

Interval: **3722.00 ft (KB) To 3752.00 ft (KB) (TVD)**

Reference Elevations: 2729.00 ft (KB)

Total Depth: 3752.00 ft (KB) (TVD)

2724.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8357**

Inside

Press@RunDepth: 132.55 psig @ 3725.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.15

End Date: 2014.06.15

Last Calib.: 2014.06.15

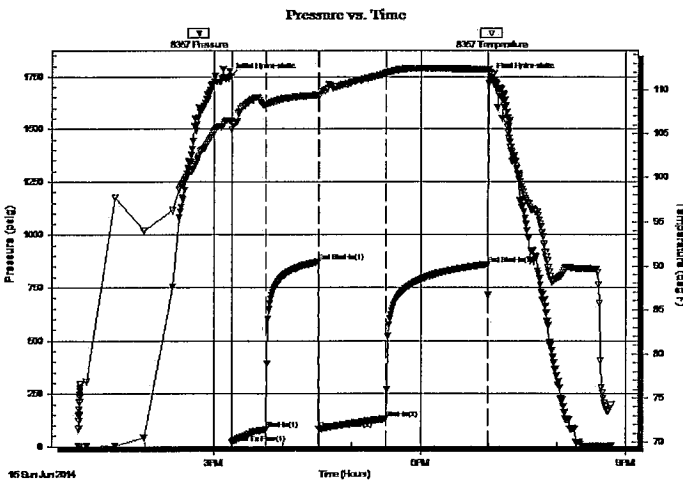
Start Time: 13:02:02

End Time: 20:47:10

Time On Btm: 2014.06.15 @ 15:14:00

Time Off Btm: 2014.06.15 @ 19:01:30

TEST COMMENT: 30- 6" Blow.  
45- No return.  
60- 9" Blow.  
90- No return.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1748.91	106.41	Initial Hydro-static
2	18.70	105.47	Open To Flow (1)
32	81.37	108.30	Shut-In(1)
77	874.20	109.43	End Shut-In(1)
77	82.74	109.26	Open To Flow (2)
136	132.55	111.90	Shut-In(2)
226	860.97	112.34	End Shut-In(2)
228	1747.65	111.92	Final Hydro-static

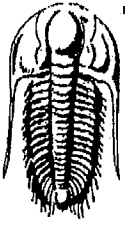
### Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: .145 @ 71 Degrees F = 54000 PPM	0.00
250.00	OSMW 40m 60w	2.39

### Gas Rates

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





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil & Gas Co.

**S33-14s-32w Logan, KS**

301 S. Market St.  
Wichita, KS 67202

**Corinne #5-33**

Job Ticket: 57697

**DST#: 1**

ATTN: Mac Armstrong

Test Start: 2014.06.15 @ 13:02:00

**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:	54000 ppm
Viscosity: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.40 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
0.00	RW: .145 @ 71 Degrees F = 54000 PPM	0.000
250.00	OSMW 40m 60w	2.386

Total Length: 250.00 ft      Total Volume: 2.386 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: API: @ Degrees F =

Serial #: 8357

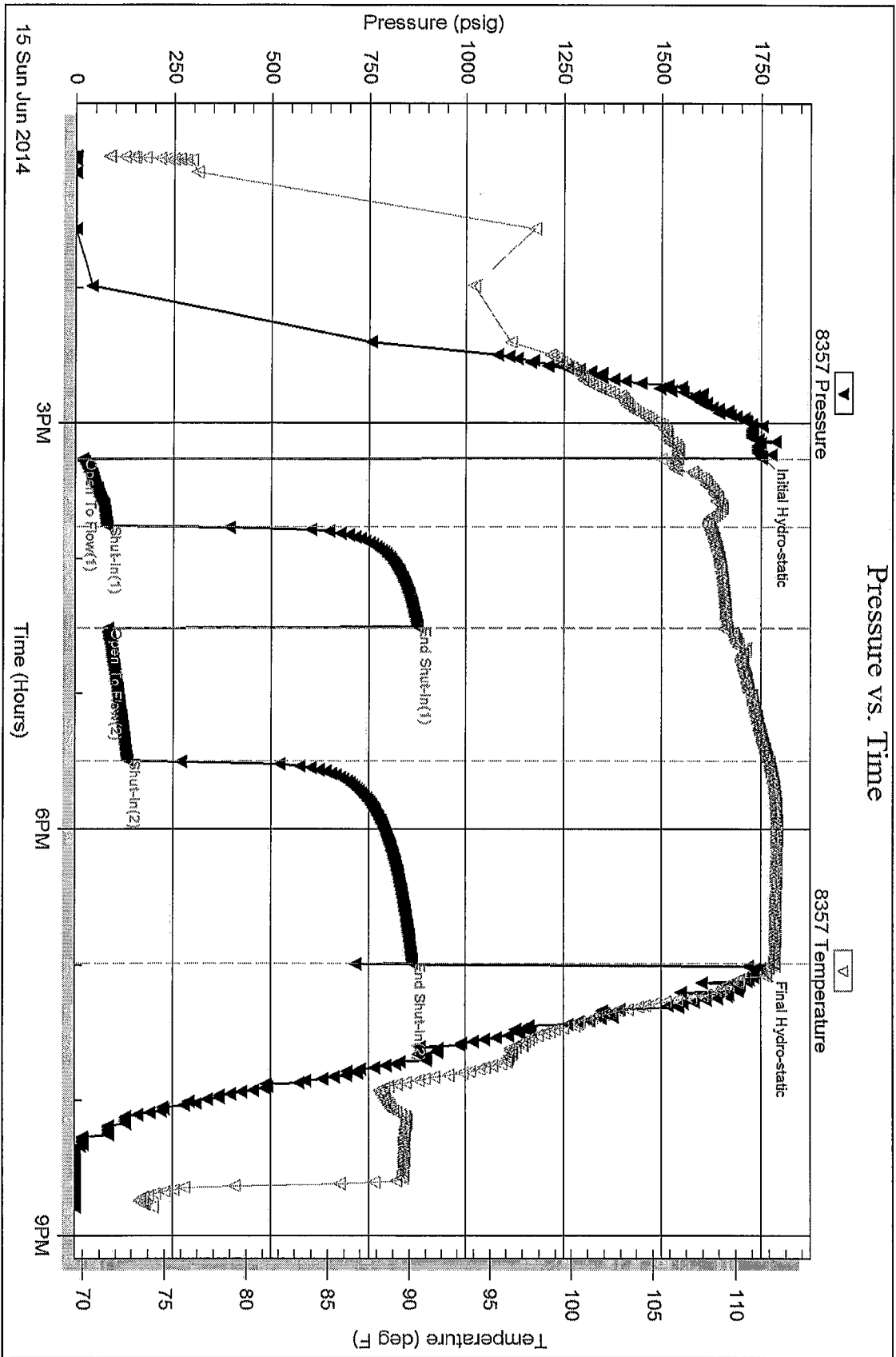
Inside

Lario Oil & Gas Co.

Corline #5-33

DST Test Number: 1

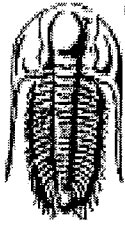
### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 57697

Printed: 2014.06.15 @ 22:48:02



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Lario Oil & Gas Co.

**S33-14s-32w Logan, KS**

301 S. Market St.  
Wichita, KS 67202

**Corinne #5-33**

Job Ticket: 57698

**DST#: 2**

ATTN: Mac Armstrong

Test Start: 2014.06.16 @ 04:55:00

## GENERAL INFORMATION:

Formation: **Lansing 'D'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:30:30

Time Test Ended: 11:32:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: **3770.00 ft (KB) To 3796.00 ft (KB) (TVD)**

Reference Elevations: 2729.00 ft (KB)

Total Depth: 3796.00 ft (KB) (TVD)

2724.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8357**

**Inside**

Press@RunDepth: 75.48 psig @ 3773.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.16

End Date: 2014.06.16

Last Calib.: 2014.06.16

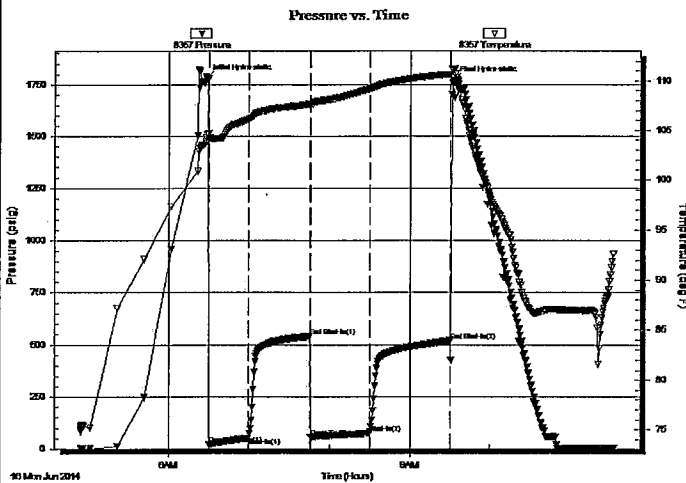
Start Time: 04:55:02

End Time: 11:32:50

Time On Btm: 2014.06.16 @ 06:28:10

Time Off Btm: 2014.06.16 @ 09:32:09

TEST COMMENT: 30- 7" Blow.  
45- No return.  
45- B.O.B. @ 43 min.  
60- Weak return died @ 5 min.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1780.68	103.92	Initial Hydro-static
3	19.68	104.07	Open To Flow (1)
32	52.70	106.17	Shut-In(1)
77	540.63	107.69	End Shut-In(1)
78	57.52	107.54	Open To Flow (2)
122	75.48	109.20	Shut-In(2)
183	519.89	110.67	End Shut-In(2)
184	1770.80	111.08	Final Hydro-static

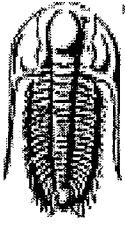
## Recovery

Length (ft)	Description	Volume (bbl)
61.00	GMCO 5g 35m 60o	0.30
62.00	GMCO 10g 15m 75o	0.30
42.00	CGO 10g 90o	0.59
0.00	20' Weak GLP	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 Co.

**S33-14s-32w Logan, KS**

301 S. Market St.  
Wichita, KS 67202

**Corinne #5-33**

Job Ticket: 57698

**DST#: 2**

ATTN: Mac Armstrong

Test Start: 2014.06.16 @ 04:55:00

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 34 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.39 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2000.00 ppm		
Filter Cake: 1.00 inches		

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
61.00	GMCO 5g 35m 60o	0.300
62.00	GMCO 10g 15m 75o	0.305
42.00	CGO 10g 90o	0.589
0.00	20' Weak GIP	0.000

Total Length: 165.00 ft      Total Volume: 1.194 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 37 @ 90 Degrees F = 34.

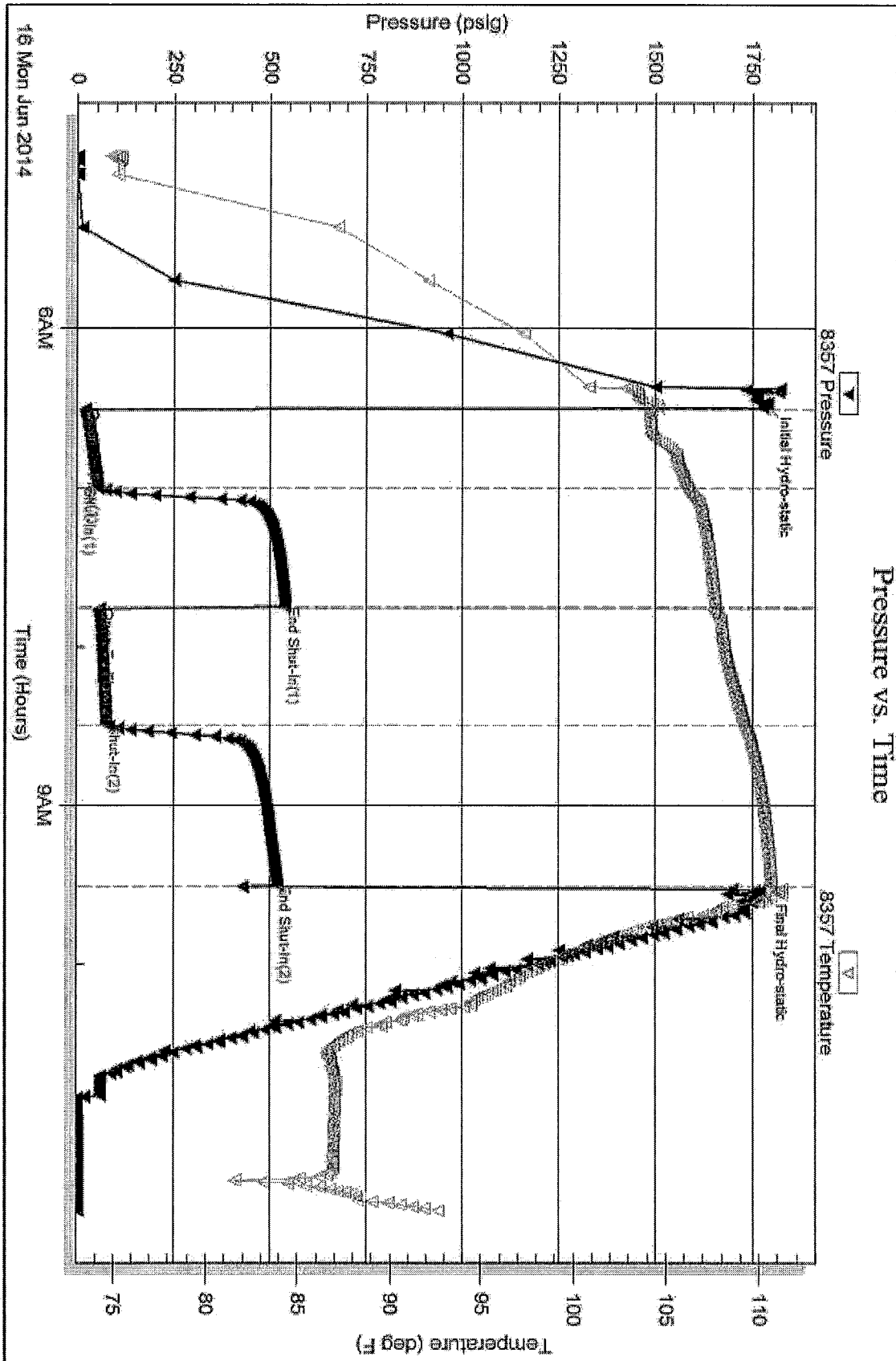
Serial #: 8357

Inside

Largo Oil & Gas Co.

Corrime #5-33

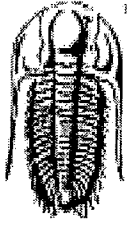
DST Test Number: 2



Tribble Testing, Inc

Ref. No: 57699

Printed: 2014.06.16 @ 11:53:59



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Lario Oil & Gas Co.

**S33-14s-32w Logan, KS**

301 S. Market St.  
Wichita, KS 67202

**Corinne #5-33**

Job Ticket: 57699

**DST#: 3**

ATTN: Mac Armstrong

Test Start: 2014.06.17 @ 00:49:00

## GENERAL INFORMATION:

Formation: **Lansing 'I'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:36:40

Time Test Ended: 07:28:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: **3890.00 ft (KB) To 3914.00 ft (KB) (TVD)**

Reference Elevations: 2729.00 ft (KB)

Total Depth: 3914.00 ft (KB) (TVD)

2724.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8357** Inside

Press@RunDepth: 102.88 psig @ 3891.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.17

End Date:

2014.06.17

Last Calib.:

2014.06.17

Start Time: 00:49:02

End Time:

07:28:00

Time On Btm:

2014.06.17 @ 02:34:40

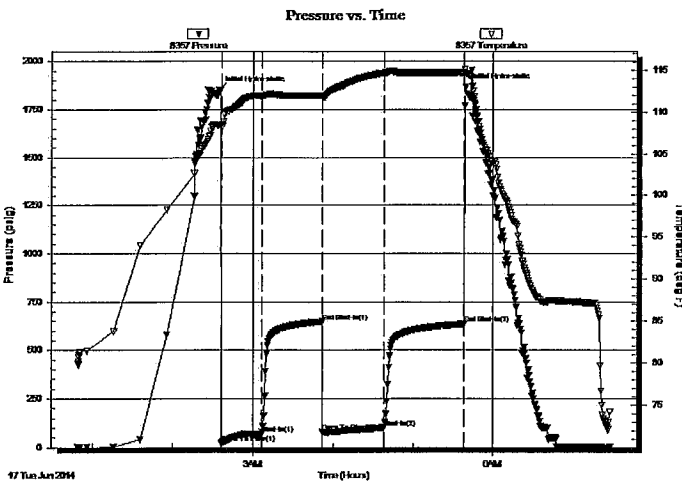
Time Off Btm:

TEST COMMENT: 11" Blow.

No return.

B.O.B. @ 30 min.

1" Return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1850.41	108.40	Initial Hydro-static
2	22.13	108.12	Open To Flow (1)
32	72.43	111.92	Shut-In(1)
77	649.01	111.97	End Shut-In(1)
77	79.43	111.79	Open To Flow (2)
124	102.88	114.67	Shut-In(2)
184	635.61	114.70	End Shut-In(2)
185	1866.82	114.54	Initial Hydro-static

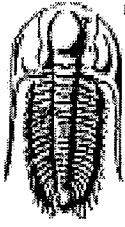
## Recovery

Length (ft)	Description	Volume (bbl)
123.00	GOCM 10g 20o 70m	0.60
112.00	CGO 30g 70o	1.57
0.00	190' GIP	0.00

## 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 Co.

**S33-14s-32w Logan, KS**

301 S. Market St.  
Wichita, KS 67202

**Corinne #5-33**

Job Ticket: 57699

**DST#: 3**

ATTN: Mac Armstrong

Test Start: 2014.06.17 @ 00:49:00

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.99 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: 1.00 inches		

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
123.00	GOCM 10g 20o 70m	0.605
112.00	CGO 30g 70o	1.571
0.00	190' GIP	0.000

Total Length: 235.00 ft      Total Volume: 2.176 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: API: 37 @ 70 Degrees F = 36.

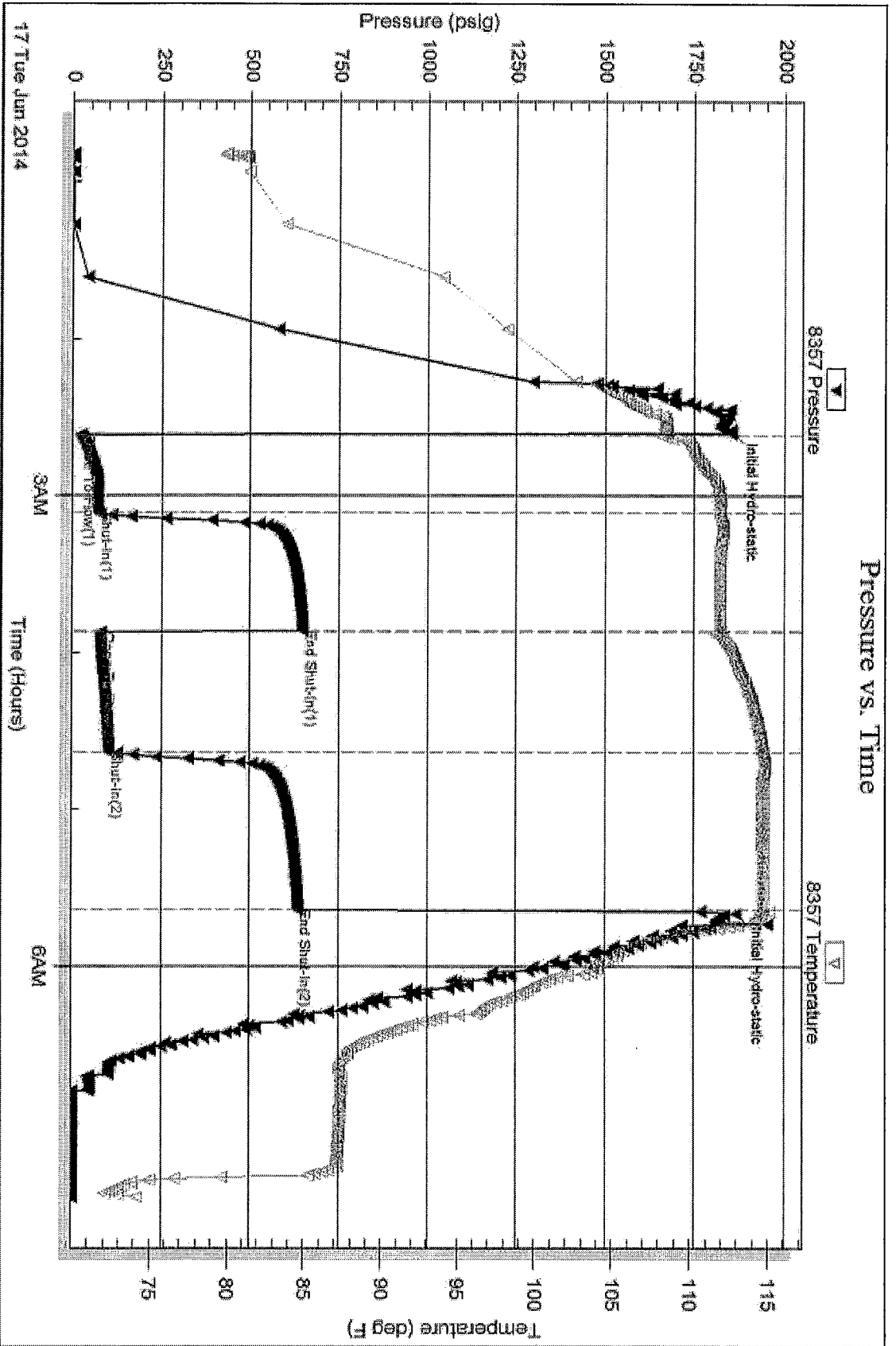
Serial #: 8357

Inside

Lario Oil & Gas Co.

Corrime #5-33

DST Test Number: 3

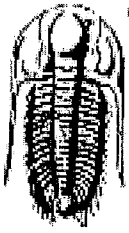


Trachite Testing, Inc

Ref. No. 57699

Printed: 2014.06.17 @ 07:49:50





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Lario Oil & Gas Co.

301 S. Market St.  
Wichita, KS 67202

ATTN: Mac Armstrong

**S33-14s-32w Logan, KS**

**Corinne #5-33**

Job Ticket: 57700

DST#: 4

Test Start: 2014.06.17 @ 14:19:00

## GENERAL INFORMATION:

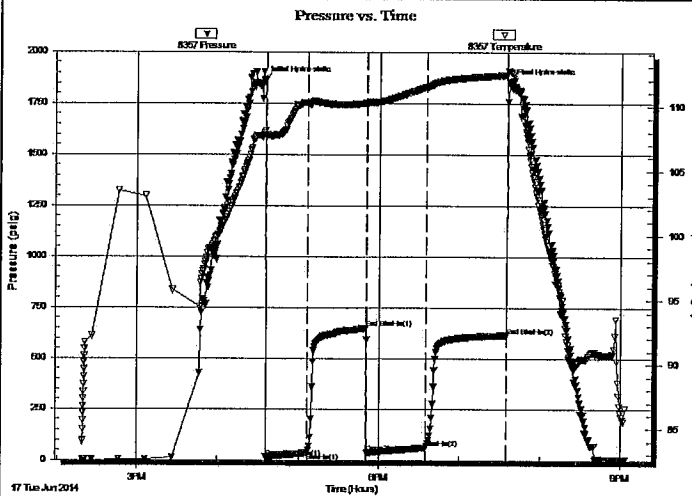
Formation: **Lansing 'J'**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 16:35:50  
 Time Test Ended: 21:03:50  
 Interval: **3914.00 ft (KB) To 3942.00 ft (KB) (TVD)**  
 Total Depth: 3942.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Chuck Smith  
 Unit No: 62  
 Reference Elevations: 2729.00 ft (KB)  
 2724.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 8357

Inside

Press@RunDepth: 61.38 psig @ 3915.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.06.17 End Date: 2014.06.17 Last Calib.: 2014.06.17  
 Start Time: 14:19:02 End Time: 21:03:50 Time On Btm: 2014.06.17 @ 16:34:10  
 Time Off Btm: 2014.06.17 @ 19:36:39

TEST COMMENT: 30- 1" Blow .  
 45- No return.  
 45- 1" Blow .  
 60- No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1862.91	107.77	Initial Hydro-static
2	15.68	107.60	Open To Flow (1)
32	35.48	110.23	Shut-In(1)
77	649.53	110.22	End Shut-In(1)
77	37.98	110.06	Open To Flow (2)
122	61.38	111.46	Shut-In(2)
182	614.81	112.42	End Shut-In(2)
183	1854.71	112.74	Final Hydro-static

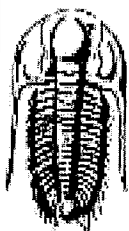
## Recovery

Length (ft)	Description	Volume (bbl)
86.00	OSM 100m	0.42
5.00	O 100o	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 Co.

S33-14s-32w Logan, KS

301 S. Market St.  
Wichita, KS 67202

Corinne #5-33

Job Ticket: 57700

DST#: 4

ATTN: Mac Armstrong

Test Start: 2014.06.17 @ 14:19:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
86.00	OSM 100m	0.423
5.00	O 100o	0.025

Total Length: 91.00 ft      Total Volume: 0.448 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 37 @ 70 Degrees F = 36.

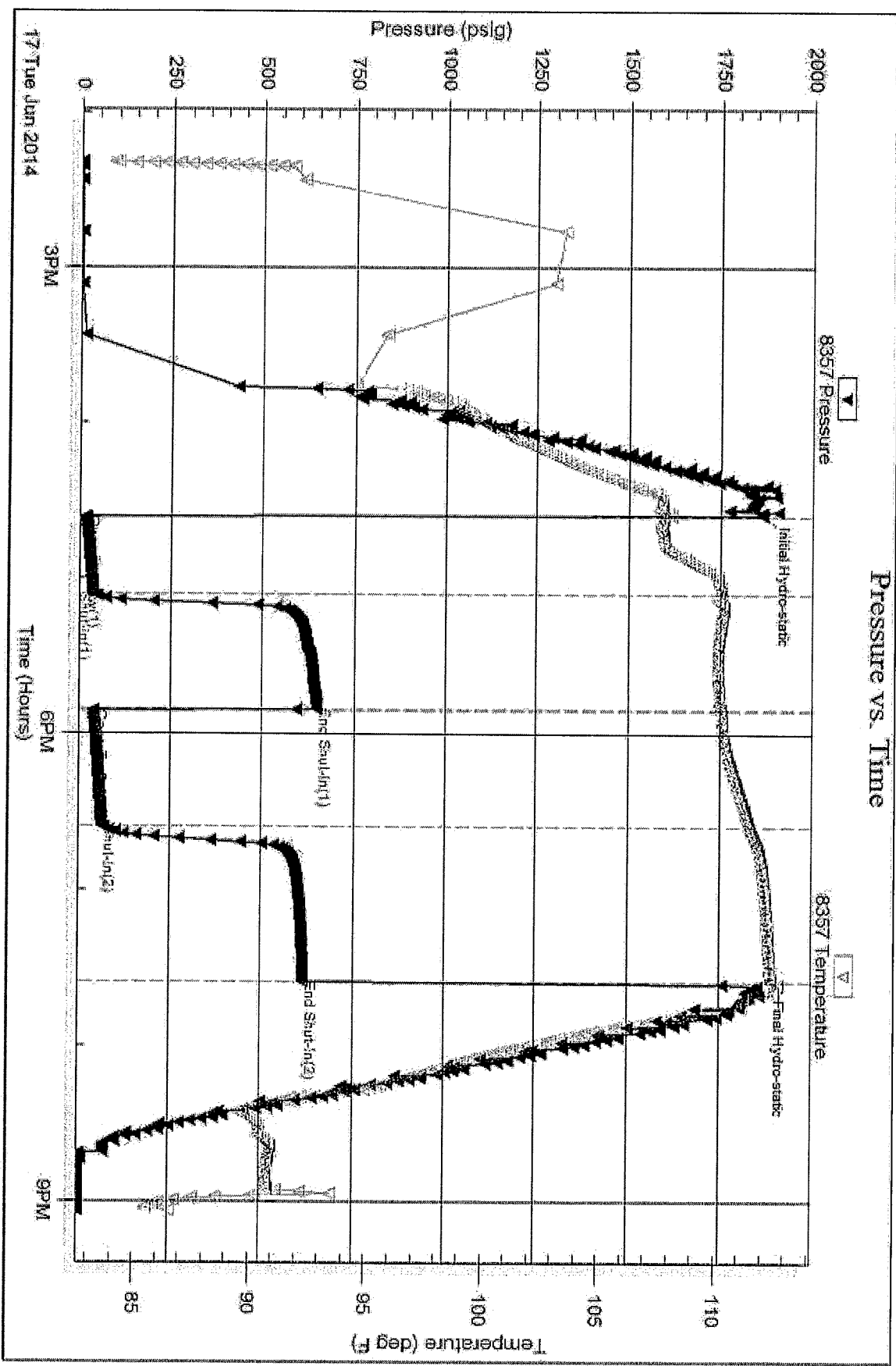
Serial #: 8357

Inside

Largo Oil & Gas Co.

Corrime #5-33

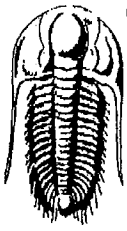
DST Test Number: 4



Tribble Testing, Inc

Ref. No: 57700

Printed: 2014, 06, 18 @ 08:33:58



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Lario Oil & Gas Co.

**S33-14s-32w Logan, KS**

301 S. Market St.  
Wichita, KS 67202

**Corinne #5-33**

Job Ticket: 57176

**DST#: 5**

ATTN: Mac Armstrong

Test Start: 2014.06.18 @ 05:00:00

## GENERAL INFORMATION:

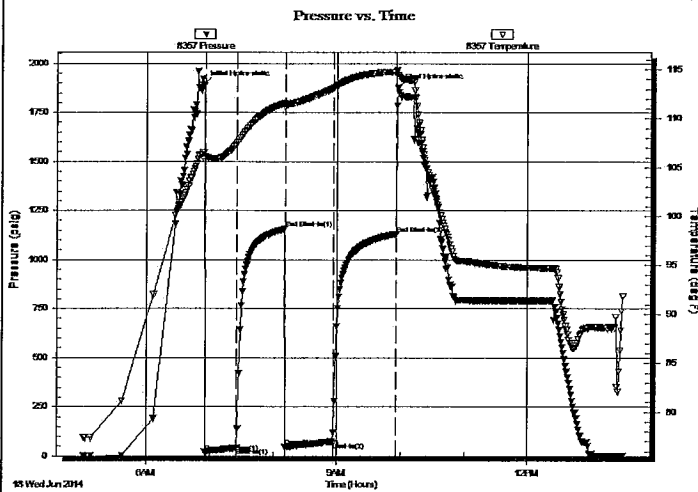
Formation: **Lansing 'K'**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 06:54:50  
 Time Test Ended: 13:30:20  
 Interval: **3950.00 ft (KB) To 3990.00 ft (KB) (TVD)**  
 Total Depth: 3990.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Chuck Smith  
 Unit No: 62  
 Reference Elevations: 2729.00 ft (KB)  
 2724.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 8357

Inside

Press@RunDepth: 74.22 psig @ 3954.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.06.18 End Date: 2014.06.18 Last Calib.: 2014.06.18  
 Start Time: 05:00:02 End Time: 13:30:20 Time On Btm: 2014.06.18 @ 06:53:00  
 Time Off Btm: 2014.06.18 @ 09:57:09

TEST COMMENT: 30- 2" Blow.  
 45- No return.  
 45- Weak blow died @ 35 min.  
 60- No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1889.10	106.54	Initial Hydro-static
2	19.92	105.57	Open To Flow (1)
33	42.59	107.46	Shut-In(1)
78	1156.61	111.57	End Shut-In(1)
78	46.95	111.13	Open To Flow (2)
123	74.22	113.07	Shut-In(2)
183	1130.76	114.76	End Shut-In(2)
185	1875.89	114.46	Final Hydro-static

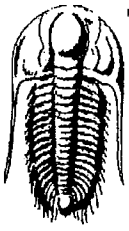
## Recovery

Length (ft)	Description	Volume (bbl)
125.00	OSMW 40m 60w	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 Co.

**S33-14s-32w Logan, KS**

301 S. Market St.  
Wichita, KS 67202

**Corinne #5-33**

Job Ticket: 57176

**DST#: 5**

ATTN: Mac Armstrong

Test Start: 2014.06.18 @ 05:00:00

### 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:

38000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	OSMW 40m 60w	0.633

Total Length: 125.00 ft      Total Volume: 0.633 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .160 @ 84 Degrees F = 38000 PPM

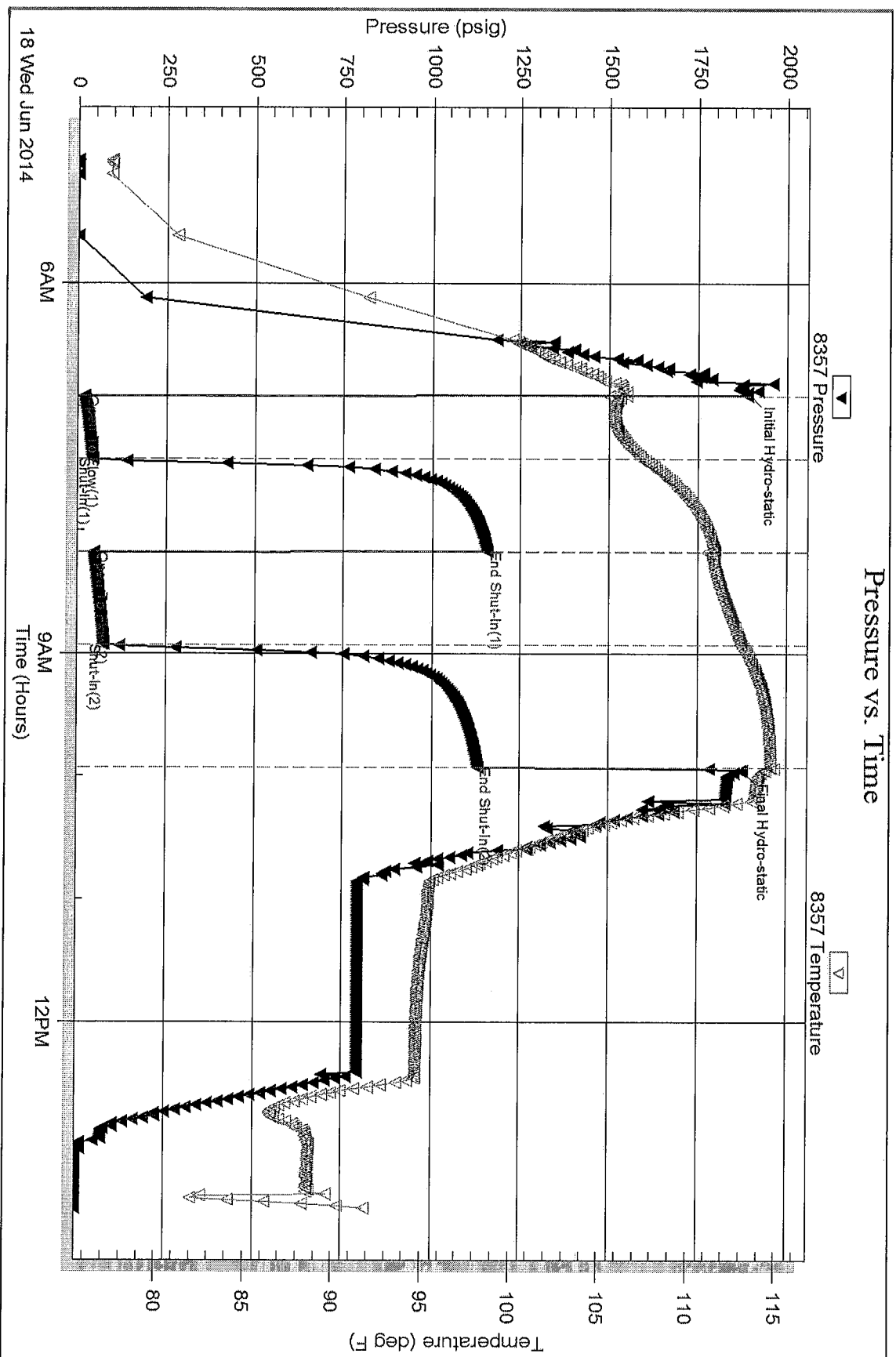
Serial #: 8357

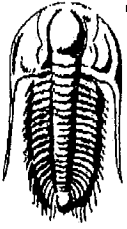
Inside

Largo Oil & Gas Co.

Corline #5-33

DST Test Number: 5





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Lario Oil & Gas Co.

**S33-14s-32w Logan, KS**

301 S. Market St.  
Wichita, KS 67202

**Corinne #5-33**

Job Ticket: 57341

**DST#: 6**

ATTN: Mac Armstrong

Test Start: 2014.06.18 @ 20:37:00

## GENERAL INFORMATION:

Formation: **Lansing " L "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:13:15

Time Test Ended: 03:03:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Samuel Esparza

Unit No: 71

Interval: **3988.00 ft (KB) To 4020.00 ft (KB) (TVD)**

Reference Elevations: 2729.00 ft (KB)

Total Depth: 4020.00 ft (KB) (TVD)

2724.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8845 Outside**

Press@RunDepth: 36.99 psig @ 3989.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.18

End Date:

2014.06.19

Last Calib.: 2014.06.19

Start Time: 20:37:05

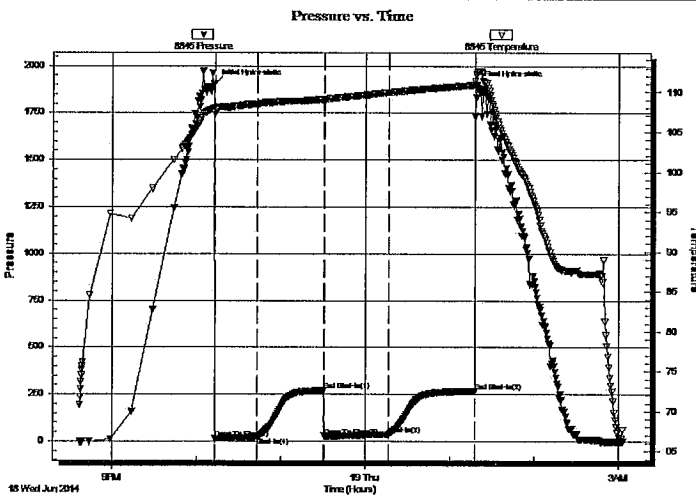
End Time:

03:03:29

Time On Btm: 2014.06.18 @ 22:13:00

Time Off Btm: 2014.06.19 @ 01:19:00

TEST COMMENT: IF: 1 1/2" Blow.  
IS: No Return.  
FF: 2 1/2" Blow.  
FSI: No Return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1906.92	108.04	Initial Hydro-static
1	13.05	107.15	Open To Flow (1)
30	22.62	108.50	Shut-In(1)
77	269.43	109.07	End Shut-In(1)
78	27.99	109.03	Open To Flow (2)
124	36.99	109.93	Shut-In(2)
185	266.32	110.88	End Shut-In(2)
186	1898.46	112.26	Final Hydro-static

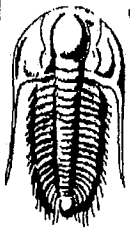
## Recovery

Length (ft)	Description	Volume (bbl)
60.00	GMCO 10g 30m 60o	0.30
0.00	60' GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil & Gas Co.

**S33-14s-32w Logan, KS**

301 S. Market St.  
Wichita, KS 67202

**Corinne #5-33**

Job Ticket: 57341

**DST#: 6**

ATTN: Mac Armstrong

Test Start: 2014.06.18 @ 20:37:00

**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: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
60.00	GMCO 10g 30m 60o	0.295
0.00	60' GIP	0.000

Total Length: 60.00 ft      Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

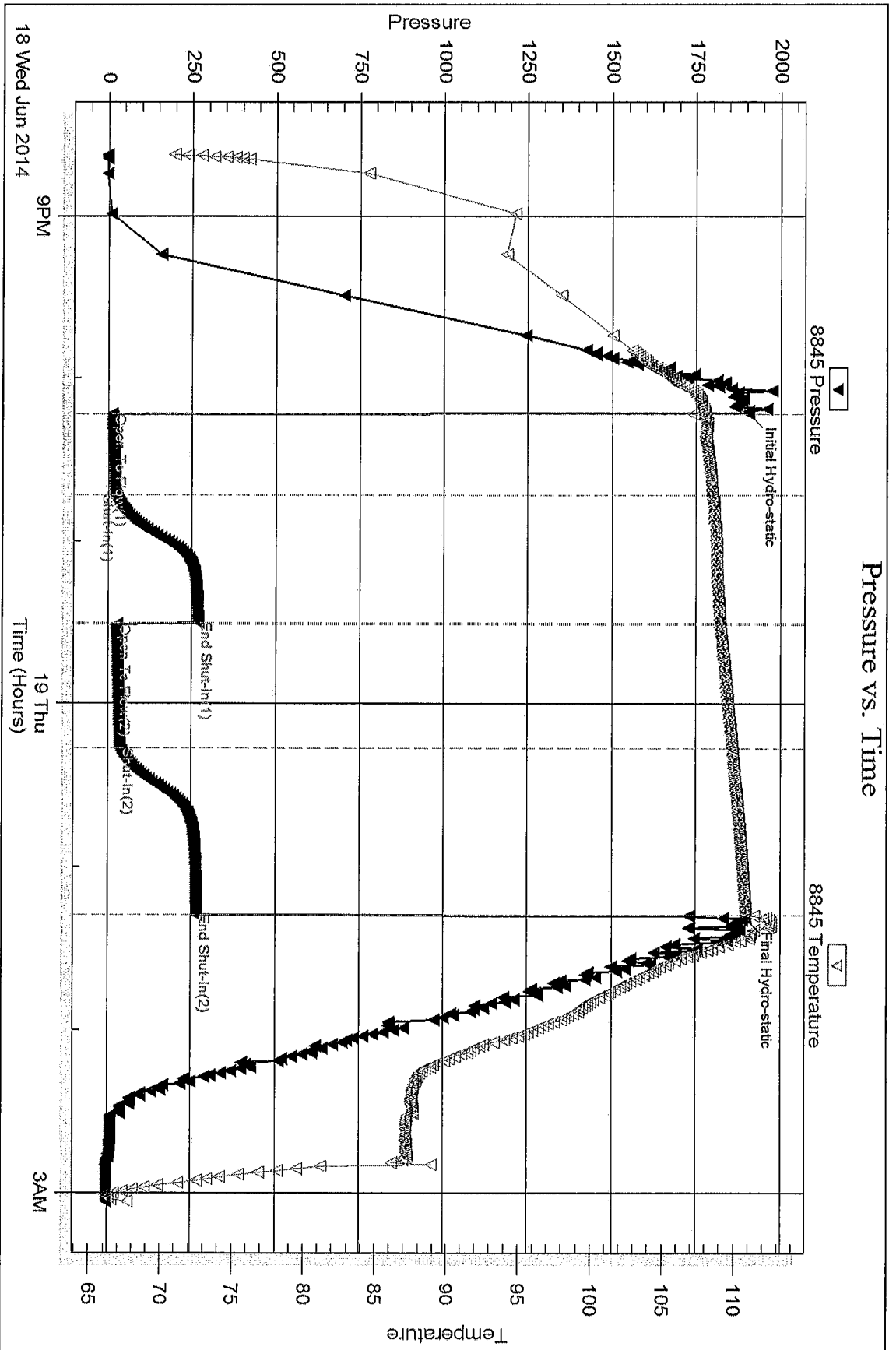


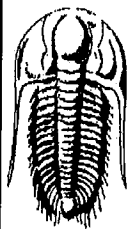
Serial #: 8845

Outside Lario Oil & Gas Co.

Corrime #5-33

DST Test Number: 6





**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Co.

**S33-14s-32w Logan, KS**

301 S. Market St.  
Wichita, KS 67202

**Corinne #5-33**

Job Ticket: 57342

DST#: 7

ATTN: Mac Armstrong

Test Start: 2014.06.19 @ 13:30:00

### GENERAL INFORMATION:

Formation: **Pleasanton- Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:32:45

Time Test Ended: 20:20:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Samuel Esparza

Unit No: 71

Interval: **4040.00 ft (KB) To 4096.00 ft (KB) (TVD)**

Reference Elevations: 2729.00 ft (KB)

Total Depth: 4096.00 ft (KB) (TVD)

2724.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8845**

**Inside**

Press@RunDepth: 58.58 psig @ 4041.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.19

End Date: 2014.06.19

Last Calib.: 2014.06.19

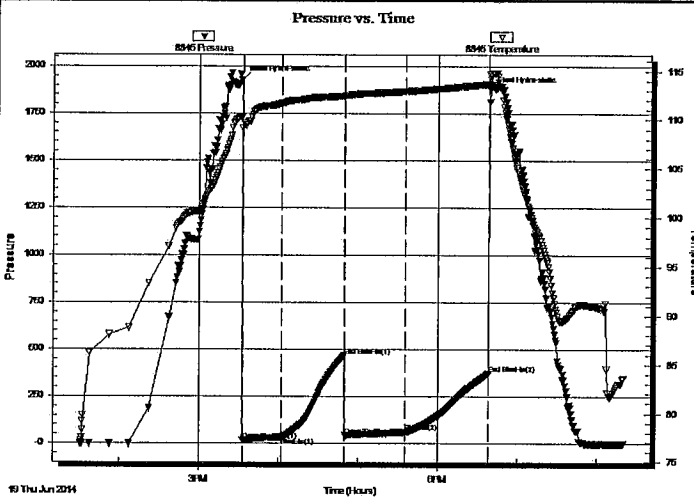
Start Time: 13:30:05

End Time: 20:19:59

Time On Btm: 2014.06.19 @ 15:32:30

Time Off Btm: 2014.06.19 @ 18:39:45

TEST COMMENT: IF: Weak Surface Blow.  
IS: No Return.  
FF: 1/2" Blow Died back to a Weak Surface Blow.  
FSI: No Return.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1928.94	110.23	Initial Hydro-static
1	13.37	109.16	Open To Flow (1)
30	32.57	111.66	Shut-In(1)
77	466.34	112.42	End Shut-In(1)
78	42.81	112.45	Open To Flow (2)
124	58.58	112.89	Shut-In(2)
187	372.64	113.66	End Shut-In(2)
188	1872.32	114.21	Final Hydro-static

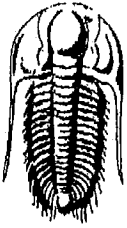
### Recovery

Length (ft)	Description	Volume (bbl)
90.00	OCM 40o 60m	0.44

\* Recovery from multiple tests

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Co.

301 S. Market St.  
Wichita, KS 67202

ATTN: Mac Armstrong

**S33-14s-32w Logan, KS**

**Corinne #5-33**

Job Ticket: 57342

DST#: 7

Test Start: 2014.06.19 @ 13:30:00

### GENERAL INFORMATION:

Formation: **Pleasanton- Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:32:45

Time Test Ended: 20:20:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Samuel Esparza

Unit No: 71

Interval: **4040.00 ft (KB) To 4096.00 ft (KB) (TVD)**

Reference Elevations: 2729.00 ft (KB)

Total Depth: 4096.00 ft (KB) (TVD)

2724.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 6772 Outside**

Press@RunDepth: psig @ 4041.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.19

End Date:

2014.06.19

Last Calib.:

2014.06.19

Start Time: 13:30:05

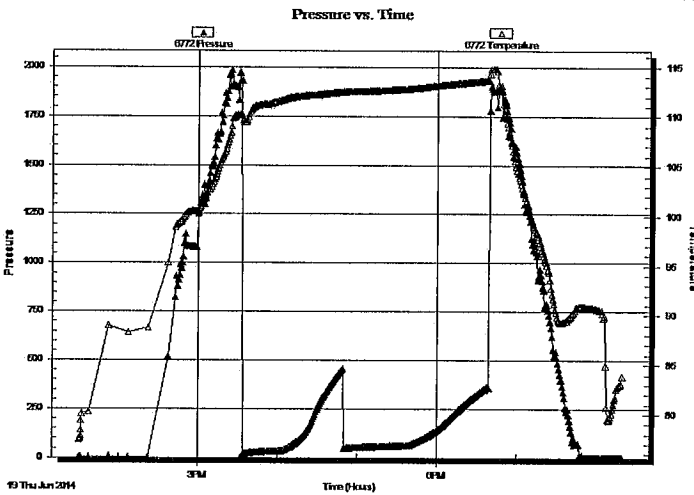
End Time:

20:20:14

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF: Weak Surface Blow.  
IS: No Return.  
FF: 1/2" Blow Died back to a Weak Surface Blow.  
FSI: No Return.



### PRESSURE SUMMARY

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

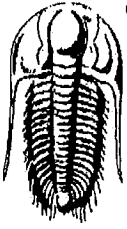
### Recovery

Length (ft)	Description	Volume (bbl)
90.00	OCM 40o 60m	0.44

\* 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 Co.

**S33-14s-32w Logan, KS**

301 S. Market St.  
Wichita, KS 67202

**Corinne #5-33**

Job Ticket: 57342

**DST#: 7**

ATTN: Mac Armstrong

Test Start: 2014.06.19 @ 13:30:00

### 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: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	OCM 40o 60m	0.443

Total Length: 90.00 ft      Total Volume: 0.443 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

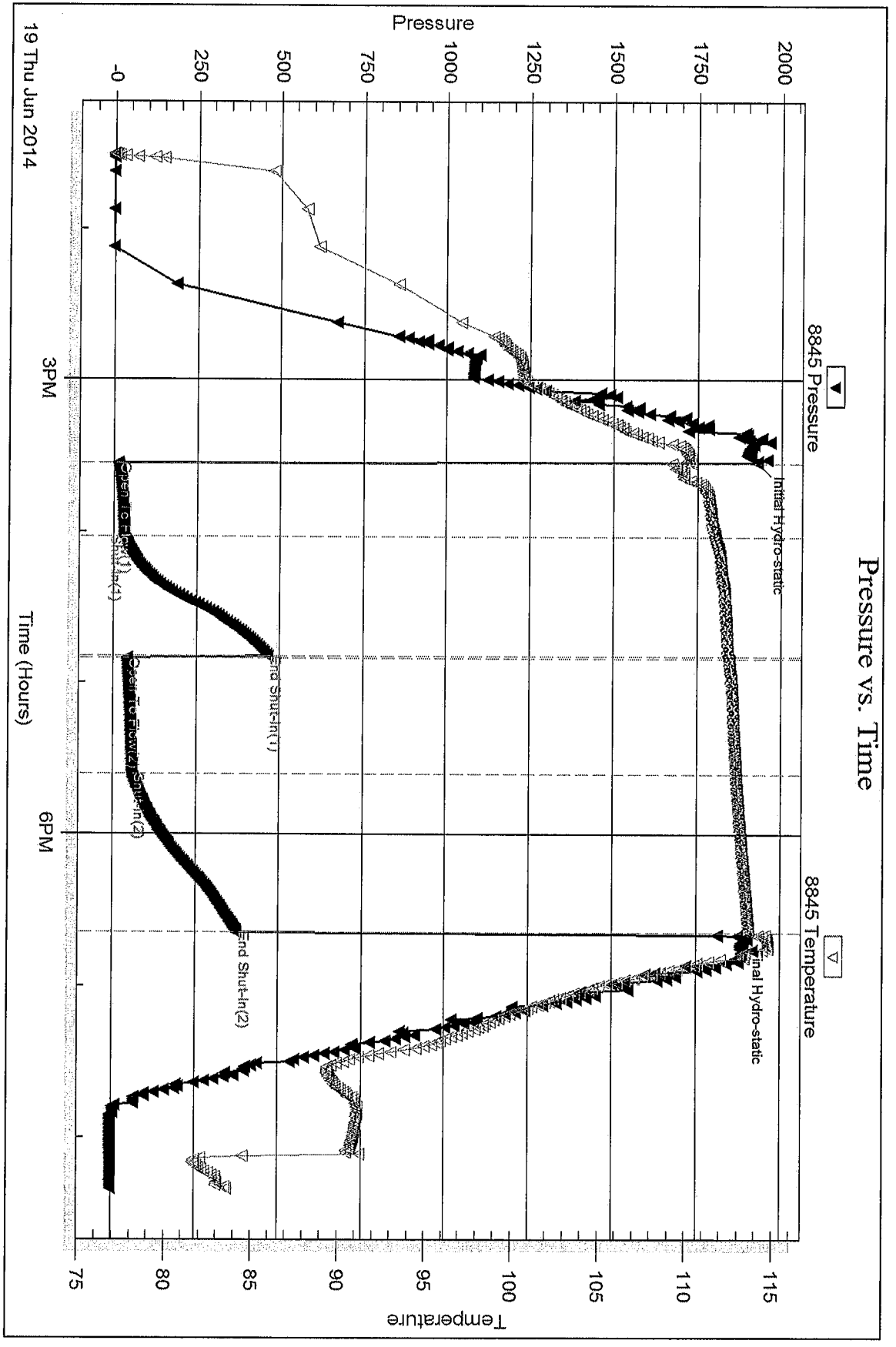
Serial #: 8845

Inside

Lario Oil & Gas Co.

Corrime #5-33

DST Test Number: 7



Trilobite Testing, Inc

Ref. No: 57342

Printed: 2014.06.20 @ 09:17:18

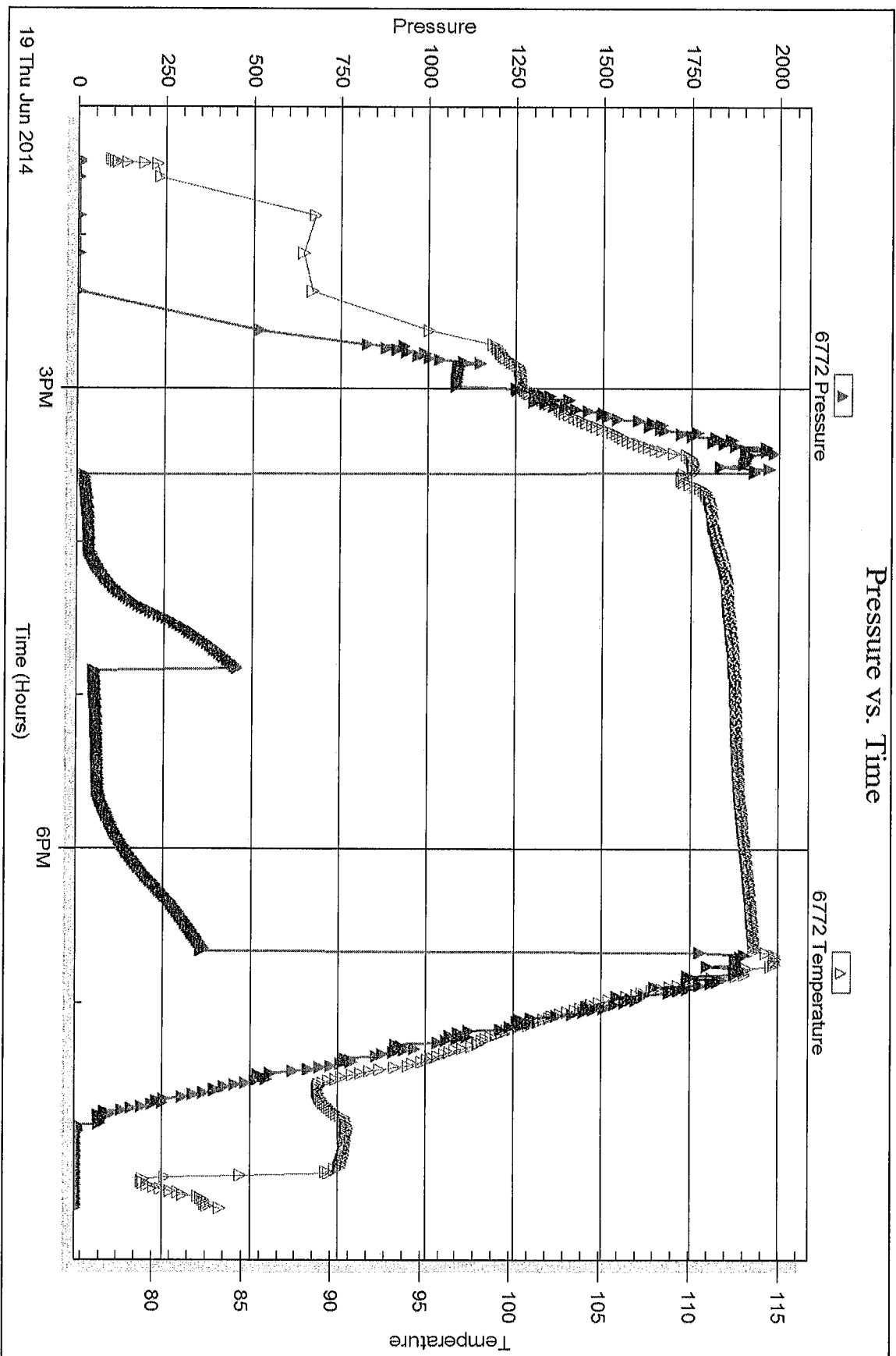
Serial #: 6772

Outside

Lario Oil & Gas Co.

Confine #5-33

DST Test Number: 7



## Jay G Schweikert

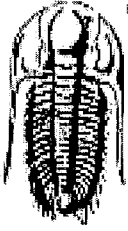
---

**From:** curtis keil <cdklario@pld.com>  
**Sent:** Friday, June 20, 2014 10:22 AM  
**To:** Jay G Schweikert  
**Cc:** Larry Karlin  
**Subject:** Pumping Units

Jay

We have a 114-143-54 pumping Unit at Farley machine that is about ready to go out I have contacted Reinert Oilfield services to haul it to our yard next week. I have purchased 2 more 114 pumping Units from Harrelson Equipment for 22,000 with 28' wide bases to be ready 2<sup>nd</sup> or 3<sup>rd</sup> week in July. If you have any questions please call me.

Curtis Keil  
Lario Oil & Gas Co. WKD  
Cell 620-805-1302  
Office 620-277-2149  
Fax 620-277-2787



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Lario Oil & Gas Co.

**S33-14s-32w Logan, KS**

301 S. Market St.  
Wichita, KS 67202

**Corinne #5-33**

Job Ticket: 57343

**DST#: 8**

ATTN: Mac Armstrong

Test Start: 2014.06.20 @ 05:58:00

## GENERAL INFORMATION:

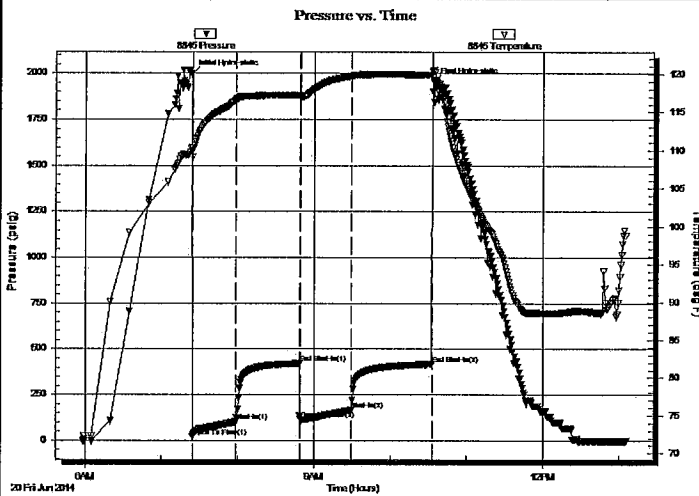
Formation: **Marmaton " C "**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 07:24:30  
 Time Test Ended: 13:05:45  
 Interval: **4120.00 ft (KB) To 4152.00 ft (KB) (TVD)**  
 Total Depth: 4152.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Samuel Esparza  
 Unit No: 71  
 Reference Elevations: 2729.00 ft (KB)  
 2724.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 8845

Outside

Press@RunDepth: 164.99 psig @ 4121.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.06.20 End Date: 2014.06.20 Last Callb.: 2014.06.20  
 Start Time: 05:58:05 End Time: 13:05:44 Time On Btm: 2014.06.20 @ 07:24:15  
 Time Off Btm: 2014.06.20 @ 10:33:15

TEST COMMENT: IF: BOB @ 6 1/2 min.  
 IS: 5 1/2 " Return.  
 FF: BOB @ 2 1/2 min.  
 FSI: BOB Return @ 40 min.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1995.83	110.35	Initial Hydro-static
1	21.45	109.11	Open To Flow (1)
35	101.84	116.58	Shut-In(1)
85	421.79	117.23	End Shut-In(1)
85	114.74	117.15	Open To Flow (2)
125	164.99	119.73	Shut-In(2)
189	416.85	119.84	End Shut-In(2)
189	1954.39	120.41	Final Hydro-static

## Recovery

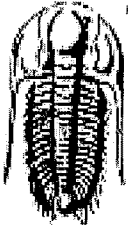
Length (ft)	Description	Volume (bbl)
120.00	GOCM 25g 30o 45m	0.59
270.00	GO 35g 65o	3.76
0.00	1680' GIP	0.00

\* 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 Co.

**S33-14s-32w Logan, KS**

301 S. Market St.  
Wichita, KS 67202

**Corinne #5-33**

Job Ticket: 57343

**DST#: 8**

ATTN: Mac Armstrong

Test Start: 2014.06.20 @ 05:58:00

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API: 31 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.79 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 5000.00 ppm		
Filter Cake: 1.00 inches		

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
120.00	GOCM 25g 30o 45m	0.590
270.00	GO 35g 65o	3.760
0.00	1680' GIP	0.000

Total Length: 390.00 ft      Total Volume: 4.350 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

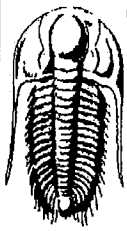
Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity: 34 @ 90 degrees= 31 deg API







**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil & Gas Co.

**S33-14s-32w Logan, KS**

301 S. Market St.  
Wichita, KS 67202

**Corinne #5-33**

Job Ticket: 57344

**DST#: 9**

ATTN: Mac Armstrong

Test Start: 2014.06.21 @ 07:16:00

**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: bbl		
Water Loss: 7.60 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: 1.00 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud ( Oil Spots ) 100 m	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

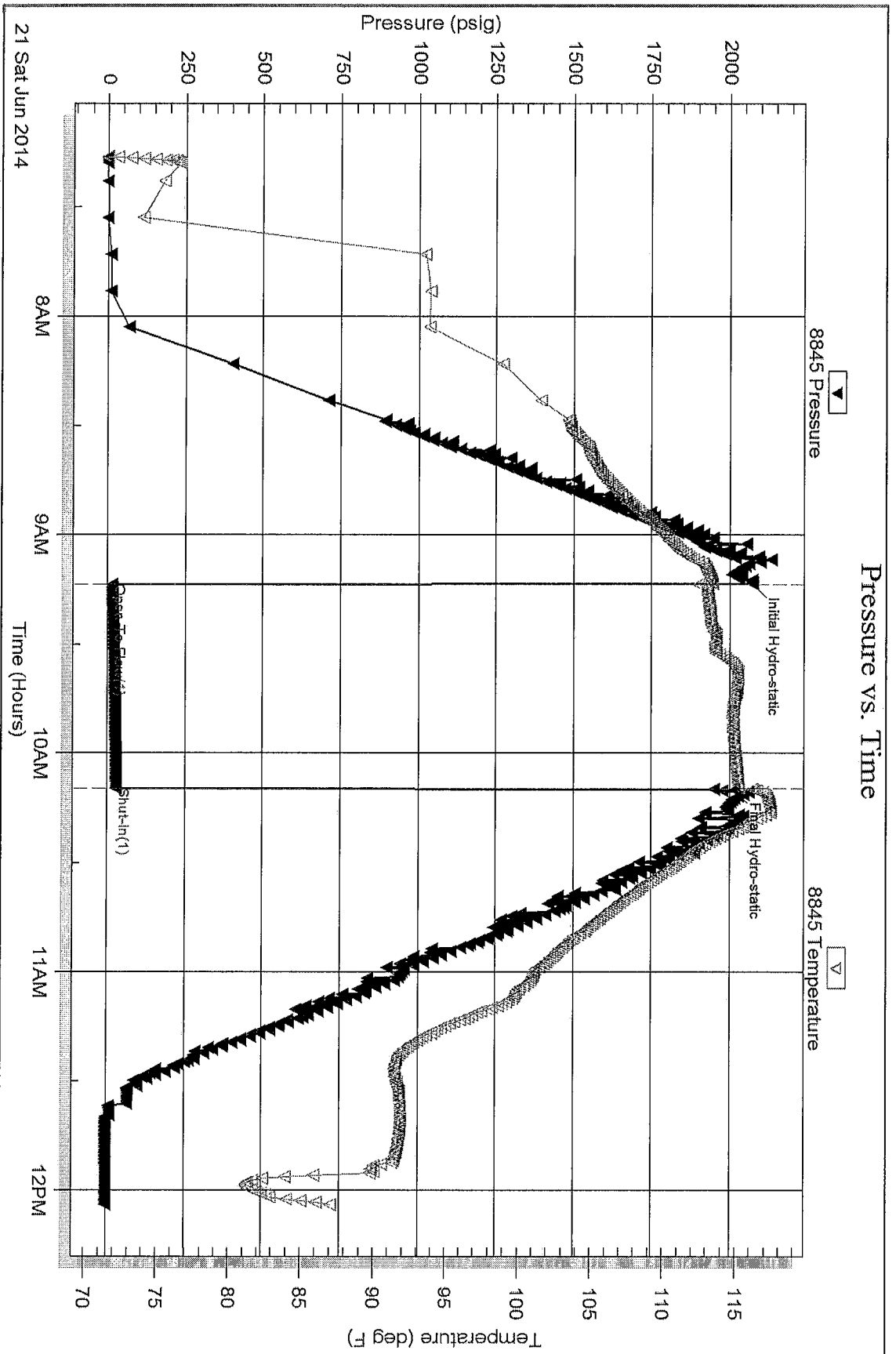
Serial #: 8845

Inside

Lario Oil & Gas Co.

Corline #5-33

DST Test Number: 9

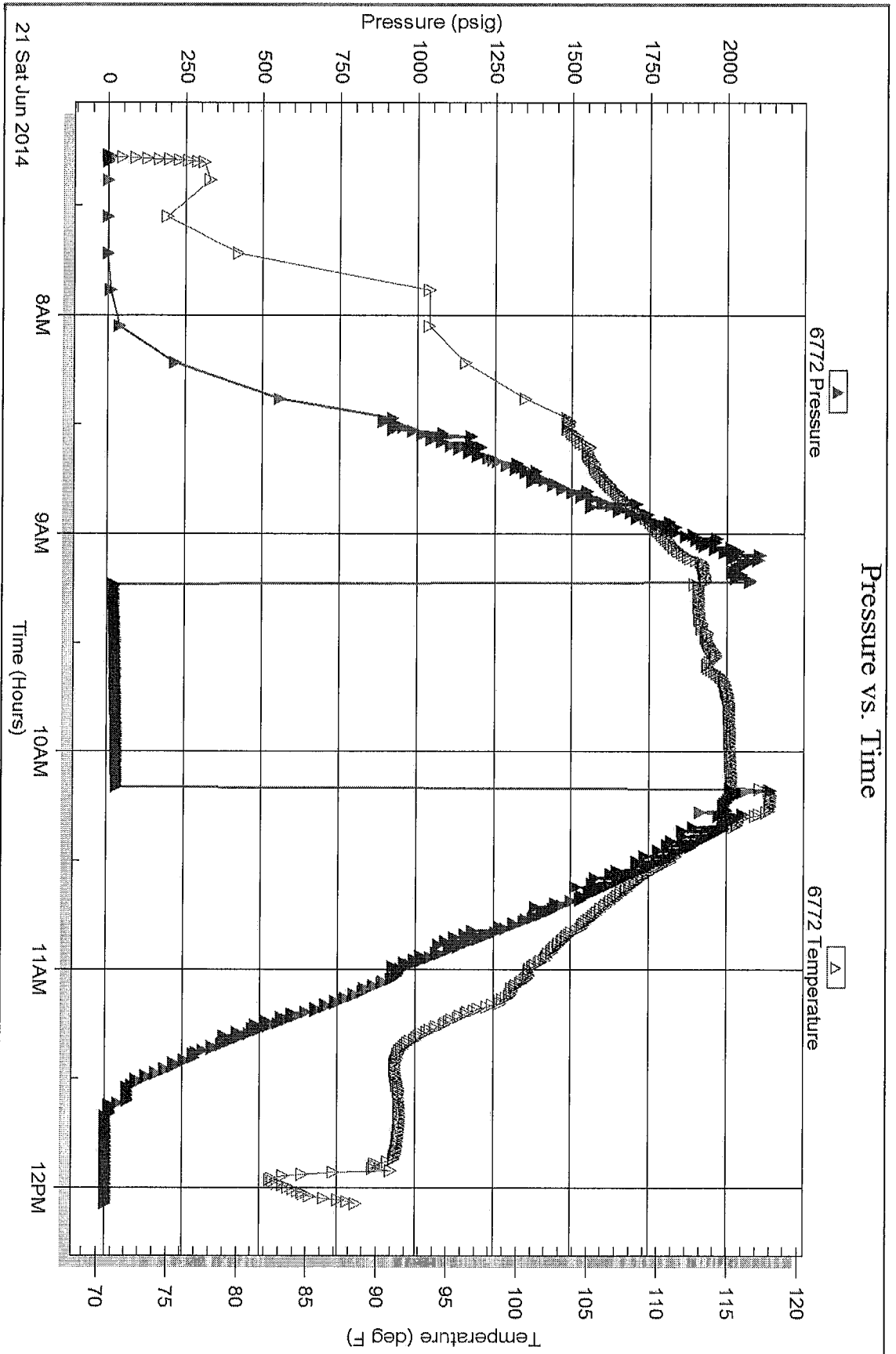


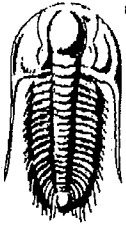
Serial #: 6772

Outside Lario Oil & Gas Co.

Corline #5-33

DST Test Number: 9





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Lario Oil & Gas Co.

**S33-14s-32w Logan, KS**

301 S. Market St.  
Wichita, KS 67202

**Corinne #5-33**

Job Ticket: 57345

**DST#: 10**

ATTN: Mac Armstrong

Test Start: 2014.06.21 @ 20:10:00

## GENERAL INFORMATION:

Formation: **Basal Penn**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:40:45

Time Test Ended: 02:54:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Samuel Esparza

Unit No: 71

Interval: **4302.00 ft (KB) To 4346.00 ft (KB) (TVD)**

Total Depth: 4346.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2729.00 ft (KB)

2724.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8845** Inside

Press@RunDepth: 68.33 psig @ 4303.00 ft (KB)

Start Date: 2014.06.21

End Date: 2014.06.22

Capacity: 8000.00 psig

Last Calib.: 2014.06.22

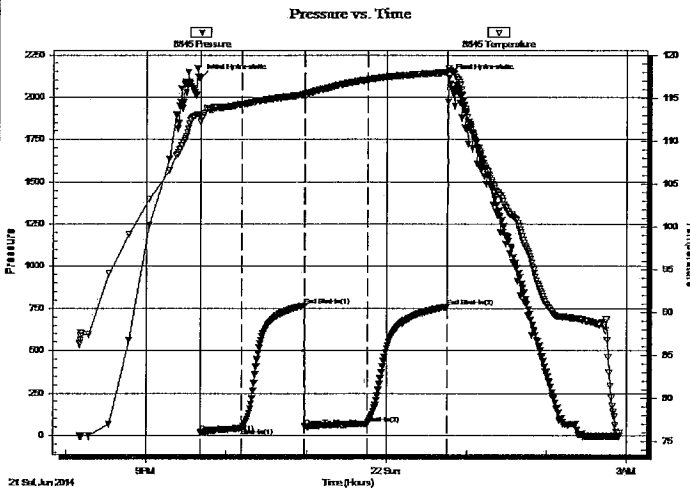
Start Time: 20:10:05

End Time: 02:54:44

Time On Btm: 2014.06.21 @ 21:40:30

Time Off Btm: 2014.06.22 @ 00:46:30

TEST COMMENT: IF: 2" Blow.  
IS: No Return.  
FF: 4" Blow.  
FSI: No Return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2114.35	113.01	Initial Hydro-static
1	16.69	112.22	Open To Flow (1)
32	44.11	114.30	Shut-In(1)
78	766.68	115.40	End Shut-In(1)
79	51.55	115.51	Open To Flow (2)
125	68.33	117.14	Shut-In(2)
185	759.38	118.01	End Shut-In(2)
186	2112.12	118.46	Final Hydro-static

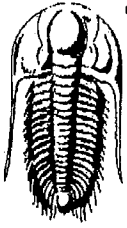
## Recovery

Length (ft)	Description	Volume (bbl)
135.00	OCM 40o 60m	0.77

\* 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 Co.

**S33-14s-32w Logan, KS**

301 S. Market St.  
Wichita, KS 67202

**Corinne #5-33**

Job Ticket: 57345

**DST#: 10**

ATTN: Mac Armstrong

Test Start: 2014.06.21 @ 20:10:00

### 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:

bbl

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

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
135.00	OCM 40o 60m	0.773

Total Length: 135.00 ft      Total Volume: 0.773 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 8845

Inside

Lario Oil & Gas Co.

Corline #5-33

DST Test Number: 10

