

**CONFIDENTIAL**

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1  
September 1999  
Form Must Be Typed

9/28/12

Operator: License # 5214  
 Name: Lario Oil & Gas Company  
 Address: 301 S. Market  
 City/State/Zip: Wichita, KS 67202  
 Purchaser: Plains  
 Operator Contact Person: Jay G. Schweikert  
 Phone: ( 316 ) 265-5611  
 Contractor: Name: WW Drilling  
 License: 33575  
 Wellsite Geologist: Pat Deenihan  
 Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     SWD     SIOW     Temp. Abd.  
 Gas     ENHR     SIGW  
 Dry     Other (Core, WSW, Expl., Cathodic, 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./SWD  
 Plug Back     Plug Back Total Depth  
 Commingled    Docket No. \_\_\_\_\_  
 Dual Completion    Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)    Docket No. \_\_\_\_\_  

7-19-10	8-1-10	9-13-10
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 171-20767-00-00  
 County: Scott  
W2 NW NW NW Sec. 1 Twp. 19 S. R. 34  East  West  
335 feet from S (N) (circle one) Line of Section  
100 feet from E (W) (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE (NW) SW  
 Lease Name: Pohlmann-Heyd Unit Well #: 1-1  
 Field Name: Unnamed  
 Producing Formation: Lansing D, H, K & Pawnee  
 Elevation: Ground: 3077' Kelly Bushing: 3082'  
 Total Depth: 4960' Plug Back Total Depth: 4931'  
 Amount of Surface Pipe Set and Cemented at 370 Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set 2307 Feet  
 If Alternate II completion, cement circulated from 2307  
 feet depth to surface w/ 440 sx cmt.

**Drilling Fluid Management Plan** AT IN 10-11-10  
 (Data must be collected from the Reserve Pit)  
 Chloride content 19,000 ppm Fluid volume 1,000 bbls  
 Dewatering method used evaporation  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name: \_\_\_\_\_  
 Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
 Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
 County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Jay G. Schweikert  
 Title: Jay G. Schweikert, Operations Engineer Date: 9-7-10

Subscribed and sworn to before me this 28th day of September, 2010

Notary Public: KATHY L. FORD  
 My Appt. Expires: 10-22-10

**KCC Office Use ONLY**

Letter of Confidentiality Received 9/28/10 - 9/28/12  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Lario Oil & Gas Company Lease Name: Pohlmann-Heyd Unit Well #: 1-1  
 Sec. 1 Twp. 19 S. R. 34  East  West County: Scott

**INSTRUCTIONS:** Show important tops and base 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. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy)  
 List All E. Logs Run:

DIL/MEL/CDL/CNL/PE

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
	Name	Datum
	Heebner	3960 -878
	Lansing	4008 -926
	Stark Shale	4304 -1222
	Hushpuckney	4357 -1275
	Base KC	4433 -1351
	Pawnee	4541 -1459
	Ft. Scott	4566 -1484
	Mississippian	4780 -1698

CASING RECORD <input checked="" 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
surface	12 1/4"	8 5/8"	23#	370'	Premium Plus	220	3% CC, 2% gel
production		5 1/2"	14#	4954'	ASC	225	10# salt, 2% gel, 5# gilsonite
DV tool				2303'	A Lite	440	3% CC, 1/4# flo seal

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4541' - 4544'	250 gal 15% NEFE, 600 gal 15% NEFE	4541' - 4544'
4	4310' - 4312'	250 gal 15% NEFE	4310' - 4312'
4	4211' - 4218'	250 gal 15% NEFE, 1000 gal NEFE	4211' - 4218'
4	4105' - 4115'	250 gal 15% NEFE	4105' - 4115'

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 7/8"	4930'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First Resumerd Production, SWD or Enhr.	Producing Method					
9-14-10	<input type="checkbox"/> Flowing	<input checked="" type="checkbox"/> Pumping	<input type="checkbox"/> Gas Lift	<input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
	80	0	4.5			

Disposition of Gas METHOD OF COMPLETION Production Interval

Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  
 (If vented, Submit ACO-18.)  Other (Specify) \_\_\_\_\_



PO BOX 31 Russell, KS 67665

Voice: (785) 483-3887  
Fax: (785) 483-5566

# INVOICE

Invoice Number: 123645  
Invoice Date: Jul 19, 2010  
Page: 1

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

KCC  
SEP 2 9 2010  
CONFIDENTIAL

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Lario	<u>Pohlman Hevd #1-1</u> Drilling	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley AFE-10-164	Jul 19, 2010	8/18/10

Quantity	Item	Description	Unit Price	Amount
220.00	MAT	Class A Common	15.45	3,399.00
4.00	MAT	Gel	20.80	83.20
8.00	MAT	Chloride	58.20	465.60
232.00	SER	Handling	1.00	232.00
232.00	SER	Handling Mileage Charge	1.00	232.00
1.00	SER	Surface	1,018.00	1,018.00
45.00	SER	Pump Truck Mileage	7.00	315.00
1.00	EQP	8.5/8 Plug	68.00	68.00

ALLI	EXPL	FILE			
GC					
KG					DB
HY					MM
PV					
OD					

AUG 02 2010

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

\$ 1453.20

ONLY IF PAID ON OR BEFORE  
Aug 13, 2010

Subtotal	5,812.80
Sales Tax	293.15
Total Invoice Amount	6,105.95
Payment/Credit Applied	
<b>TOTAL</b>	<b>6,105.95</b>

RECEIVED  
SEP 2 9 2010  
KCC WICHITA

# ALLIED CEMENTING CO., LLC. 038954

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

SERVICE POINT:

Oakley, KS

DATE <u>7-19-10</u>	SEC. <u>1</u>	TWP. <u>19</u>	RANGE <u>34</u>	ON LOCATION <u>12:00 pm</u>	JOB START <u>6:30 am</u>	JOB FINISH <u>7:00 pm</u>
POHLMAN LEASE <u>Heard</u>	WELL # <u>1-1</u>	LOCATION <u>Scot City 70-35</u>	COUNTY <u>Scott</u>	STATE <u>KS</u>		

OLD OR NEW (Circle one)

CONTRACTOR W-60#2

TYPE OF JOB Surf

HOLE SIZE 12 1/4 T.D.

CASING SIZE 8 1/8 DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER

CEMENT AMOUNT ORDERED 220 com 39 arc

270 gal

COMMON	<u>220</u>	@ <u>15.45</u>	<u>3399.00</u>
POZMIX		@	
GEL	<u>4</u>	@ <u>20.00</u>	<u>80.00</u>
CHLORIDE	<u>8</u>	@ <u>58.20</u>	<u>465.60</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>232</u>	@	<u>232.00</u>
MILEAGE	<u>232</u>	@	<u>232.00</u>
AS per bid			TOTAL <u>4411.00</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER Fuzzy

# Kelly HELPER 431

BULK TRUCK

# DRIVER Jerry

BULK TRUCK

# DRIVER

**REMARKS:**

cement did circulate

Job complete @ 7:00 am

Thanks Fuzzy & crew

CHARGE TO: Lario O.I + GAS

STREET

CITY STATE ZIP

**SERVICE**

DEPTH OF JOB	<u>370</u>		
PUMP TRUCK CHARGE			<u>1068.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>45</u>	@ <u>7.00</u>	<u>315.00</u>
MANIFOLD		@	
		@	
		@	
			TOTAL <u>1333.00</u>

RECEIVED

SEP 20 2010

KCC WICHITA

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Lonnie Lang

SIGNATURE Lonnie Lang

**PLUG & FLOAT EQUIPMENT**

<u>1 plug</u>	@	<u>68.00</u>
	@	
	@	
	@	
	@	
TOTAL <u>68.00</u>		

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

Bid



**CONSOLIDATED**  
Oil Well Services, LLC

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

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

INVOICE

Invoice # 236187

Invoice Date: 08/26/2010 Terms: Page 1

LARIO OIL & GAS  
301 S. MARKET ST.  
WICHITA KS 67202  
(316)265-5611

POHLMAUN - HEYD UNIT 1-1  
28918  
1-19-34  
08-25-2010

KCC  
SEP 2 0 2010  
CONFIDENTIAL

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	60.00	16.0000	960.00
2101A	20-40 BROWN SAND	160.00	.2300	36.80

Sublet Performed	Description	Total
9999-100	CASH DISCOUNT	-557.86

Description	Hours	Unit Price	Total
460 MIN. BULK DELIVERY	1.00	390.00	390.00
463 CEMENT PUMP	1.00	1200.00	1200.00
463 EQUIPMENT MILEAGE (ONE WAY)	45.00	4.50	202.50

*AFE*  
*502* *like H perf*  
*xc*  
*ACP*

RECEIVED  
SEP 29 2010

KCC WICHITA

Acct.	Expt.	FILE			
GC					
KG					DB
HY					MM
PV					DM
OD					

AUG 30 2010

Parts:	996.80	Freight:	.00	Tax:	79.68	AR	2311.12
Labor:	.00	Misc:	.00	Total:	2311.12		
Sublt:	-557.86	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_ Date \_\_\_\_\_



**CONSOLIDATED**  
Oil Well Services, LLC

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

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

TICKET NUMBER 28918  
LOCATION Cakley Ks  
FOREMAN Rick Ledford

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-25-10	4793	Pohlmann-Heyd Unit 1-1	1	19S	34W	Scott

CUSTOMER	MAILING ADDRESS	CITY	STATE	ZIP CODE
Lario Oil & Gas	P.O. Box 1093	Gardner City	Ks	67846

TRUCK #	DRIVER	TRUCK #	DRIVER
463	John S		
460	Allan B		

JOB TYPE Squeeze - O HOLE SIZE \_\_\_\_\_ HOLE DEPTH \_\_\_\_\_ CASING SIZE & WEIGHT 5 1/2 19#  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Test Perfs @ 4211 to 4218', Had rate 4 1/2 BPM @ 600#, spotted 2-sand  
re set Packer, mixed 60 sks com, clear Pump + lines, Displace 24 1/4 BBL, Squeeze  
to 1250#, Pill 1# reverse out clear, Set Packer, pressure to 500# Shut in

*Thank You  
Rick & crew*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1,200 <sup>00</sup>	1,200 <sup>00</sup>
5406	45	MILEAGE <i>one way mileage</i>	4 <sup>00</sup>	202 <sup>00</sup>
11043	60	<i>Class A Cement</i>	16 <sup>00</sup>	960 <sup>00</sup>
2108A	<i>@ 160#</i>	<i>Sand</i>	123	36 <sup>30</sup>
5407	2.82	<i>Ton mileage Delivery</i>	150	390 <sup>00</sup>
<b>RECEIVED</b>				
<b>SEP 29 2010</b>				
<b>KCC WICHITA</b>				
<i>Subtotal</i>				2,789 <sup>30</sup>
<i>Less 20% Discount</i>				557 <sup>00</sup>
				2,231 <sup>49</sup>
SALES TAX				79.68
ESTIMATED TOTAL				2,311.17

Authorization *Jerry Kank* TITLE 236187 DATE 8-24-10

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



PO BOX 31 Russell, KS 67665

Voice: (785) 483-3887  
Fax: (785) 483-5566

# INVOICE

Invoice Number: 123862

Invoice Date: Aug 1, 2010

Page: 1

**Bill To:**

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

KCC  
SEP 2 9 2010  
CONFIDENTIAL

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Lario	<u>Cohlman Heyd #1-1</u> Drilling	APE-10-164 Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Aug 1, 2010	8/31/10

Quantity	Item	Description	Unit Price	Amount
490.00	MAT	Lightweight Class A	14.05	6,884.50
122.00	MAT	Flo Seal	2.50	305.00
524.00	SER	Handling - Production Top Stage	1.00	524.00
524.00	SER	Handling Mileage Charge	1.00	524.00

*al*

Acct.	EXPL.	FILE	
GE			
KG			
HY			
PV			
OD	KF	GV	SF

AUG 1 2010

DB  
MM  
DM

*al* 819110

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

\$ 2059.55

ONLY IF PAID ON OR BEFORE  
Aug 26, 2010

Subtotal	8,237.50
Sales Tax	524.83
Total Invoice Amount	8,762.33
Payment/Credit Applied	
<b>TOTAL</b>	<b>8,762.33</b>

RECEIVED  
SEP 2 9 2010  
KCC WICHITA

# ALLIED CEMENTING CO., LLC. 039055

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

SERVICE POINT:  
Oakley

DATE <u>8-1-10</u>	SEC. <u>1</u>	TWP. <u>19s</u>	RANGE <u>34w</u>	CALLED OUT	ON LOCATION	JOB START <u>5:30pm</u>	JOB FINISH <u>6:30am</u>
LEASE <u>Heyd</u>		WELL # <u>1-1</u>	LOCATION <u>scott city 6w 3s 1w</u>		COUNTY <u>scott</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			S into				

CONTRACTOR W + W Rig 2

TYPE OF JOB Production (TOP stage)

HOLE SIZE 7 7/8 T.D. 4960

CASING SIZE 5 1/2 DEPTH 4953.65

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

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

TOOL DV DEPTH 2303.10'

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

MEAS. LINE \_\_\_\_\_ SHOE JOINT 20.39'

CEMENT LEFT IN CSG. 20.39'

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

DISPLACEMENT 54.81 00L

OWNER Same

CEMENT

AMOUNT ORDERED 490 sks Lite

1/4" Flo-seal

COMMON	@	
POZMIX	@	
GEL	@	
CHLORIDE	@	
ASC	@	
<u>Lite 490 sks</u>	@	<u>14.05 6884.50</u>
<u>Flo-seal 122 #</u>	@	<u>2.50 305.00</u>
HANDLING <u>524 sks</u>	@	<u>524.00</u>
MILEAGE		<u>524.00</u>
		<b>TOTAL <u>8237.50</u></b>

EQUIPMENT

PUMP TRUCK CEMENTER Andrew

# 423-281 HELPER Larene

BULK TRUCK

# 394 DRIVER Wil

BULK TRUCK

# 373 DRIVER Darrin

REMARKS:

Plug mH 20 sks Plug RH 30  
sks mix 440 sks down 5 1/2 casing  
wash pump and lines clean  
Displace plug 700# 1800#  
Land Plug 700# closed  
Cement circulated.

*Thank you*

CHARGE TO: Lario oil + gas

STREET \_\_\_\_\_

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

SERVICE

DEPTH OF JOB 2303.10

PUMP TRUCK CHARGE \_\_\_\_\_ N/C

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

MILEAGE 45 miles @ \_\_\_\_\_ N/C

MANIFOLD @ \_\_\_\_\_

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

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

TOTAL \_\_\_\_\_

RECEIVED

SEP 29 2010

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Jay Fletcher

SIGNATURE Jay Fletcher

PLUG & FLOAT EQUIPMENT

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

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

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

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

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

TOTAL \_\_\_\_\_

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

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

*Bid*





PO BOX 31 Russell, KS 67665

Voice: (785) 483-3887  
Fax: (785) 483-5566

# INVOICE

Invoice Number: 123861

Invoice Date: Aug 1, 2010

Page: 1

**Bill To:**

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

KCC  
SEP 2 3 2010  
WICHITA, KS

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Lario	Pohlman Heyd #1-1 Drilling	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Aug 1, 2010	8/31/10

Quantity	Item	Description	Unit Price	Amount
225.00	MAT	ASC Class A	18.60	4,185.00
1,125.00	MAT	Gilsonite	0.89	1,001.25
500.00	MAT	WFR-2	1.27	635.00
273.00	SER	Handling	1.00	273.00
273.00	SER	Handling Mileage Charge	1.00	273.00
1.00	SER	Production String - Bottom Stage	2,011.00	2,011.00
45.00	SER	Pump Truck Mileage	7.00	315.00
1.00	EQP	5.5 AFU Float Shoe	214.00	214.00
1.00	EQP	5.5 Basket	161.00	161.00
1.00	EQP	5.5 D V Tool	4,500.00	4,500.00
16.00	EQP	5.5 Centralizer	35.00	560.00

GC	KG	HY	PV	CD	DB	MM	DM

AUG 10 2010

CK 819910

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

**\$ 3532.05**

ONLY IF PAID ON OR BEFORE  
**Aug 26, 2010**

Subtotal	14,128.25
Sales Tax	821.71
Total Invoice Amount	14,949.96
Payment/Credit Applied	
<b>TOTAL</b>	<b>14,949.96</b>

RECEIVED  
SEP 2 9 2010  
KCC WICHITA

# ALLIED CEMENTING CO., LLC. 039054

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

KCC  
\$594.000  
CASH ON HAND

SERVICE POINT:

Ogkley

DATE <u>8-1-10</u>	SEC. <u>1</u>	TWP. <u>19S</u>	RANGE <u>34W</u>	CALLED OUT	ON LOCATION	JOB START <u>2:00pm</u>	JOB FINISH <u>2:30pm</u>	
Pohlman LEASE <u>Heid</u>		WELL # <u>1-1</u>	LOCATION <u>scott city low 3s</u>			COUNTY <u>Scott</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)			<u>1W sinto</u>					

CONTRACTOR W+W Rig 2

TYPE OF JOB Production (Bottom stage)

HOLE SIZE 7 7/8 T.D. 4960'

CASING SIZE 5 1/2 DEPTH 4953.65

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

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

TOOL DV DEPTH 2303.10

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

MEAS. LINE \_\_\_\_\_ SHOE JOINT 20.39

CEMENT LEFT IN CSG. 20.39'

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

DISPLACEMENT 117.41 62.60 water

EQUIPMENT 34.81 mud

PUMP TRUCK # <u>423-281</u>	CEMENTER <u>Andrew</u>
BULK TRUCK # <u>323</u>	HELPER <u>Larene</u>
BULK TRUCK # <u>394</u>	DRIVER <u>Darrin</u>
	DRIVER <u>Wil</u>

OWNER Same

CEMENT

AMOUNT ORDERED 225 sks ASC 10% salt

20 gal 5# Gilsonite

500 gal WFR-2

COMMON _____	@ _____	
POZMIX _____	@ _____	
GEL <u>4 sks</u>	@ _____	<u>N/C</u>
CHLORIDE _____	@ _____	
ASC <u>225 sks</u>	@ <u>18.60</u>	<u>4185.00</u>
<u>Gilsonite 1125#</u>	@ <u>0.89</u>	<u>1001.25</u>
<u>Salt 21 sks</u>	@ _____	<u>N/C</u>
<u>WFR-2 500 gal</u>	@ <u>1.27</u>	<u>635.00</u>
HANDLING <u>273</u>	@ _____	<u>273.00</u>
MILEAGE _____	@ _____	<u>273.00</u>

TOTAL 6362.25

REMARKS:

Pump 500L water 500 gal WFR-2  
500L water, mix 225 sks ASC  
wash pump and lines clean  
Displace plug 700# LIFT 1600#  
land plug, plug landed float  
held open DV tool 200#.

Thank you

CHARGE TO: Lario oil + gas

STREET \_\_\_\_\_

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

SERVICE

DEPTH OF JOB _____	
PUMP TRUCK CHARGE _____	<u>2011.00</u>
EXTRA FOOTAGE _____	@ _____
MILEAGE <u>45 miles</u>	@ <u>7.00</u> <u>315.00</u>
MANIFOLD _____	@ _____

TOTAL 2326.00

5 1/2 PLUG & FLOAT EQUIPMENT

<u>1 AFU float shoe</u>		<u>214.00</u>
<u>1 Basket</u>	@ _____	<u>161.00</u>
<u>(W) 1 DV tool</u>	@ _____	<u>4500.00</u>
<u>16 Centralizers</u>	@ <u>35.00</u>	<u>560.00</u>

TOTAL 5435.00

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Jay Fletcher

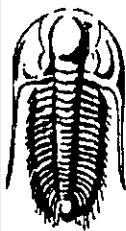
SIGNATURE Jay Fletcher

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

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

B.D



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Lario Oil & Gas

Pohlman Heyd #1

301 S Market,  
Wichita, Ks  
67202

1-19-34 Scott, Ks

Job Ticket: 039150

DST#: 1

ATTN: Pat Deenihan

Test Start: 2010.07.23 @ 17:25:27

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## GENERAL INFORMATION:

Formation: **B**  
Deviated: **No Whipstock** ft (KB)  
Time Tool Opened: 19:17:27  
Time Test Ended: 00:40:42

Test Type: **Conventional Bottom Hole**  
Tester: **Shane McBride**  
Unit No: **40**

Interval: **4016.00 ft (KB) To 4063.00 ft (KB) (TVD)**  
Total Depth: **4063.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

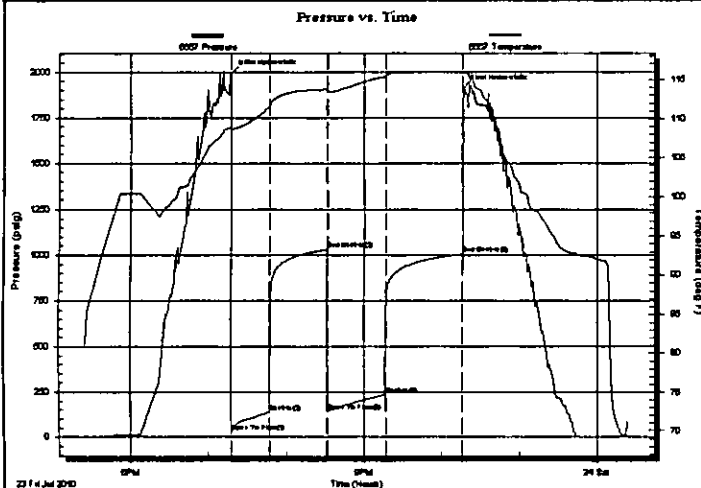
Reference Elevations: **3082.00 ft (KB)**  
**3077.00 ft (CF)**  
KB to GR/CF: **5.00 ft**

Serial #: **6667** Outside

Press@RunDepth: **236.95 psig @ 4017.00 ft (KB)**  
Start Date: **2010.07.23** End Date: **2010.07.24**  
Start Time: **17:25:27** End Time: **00:23:42**

Capacity: **8000.00 psig**  
Last Calib.: **2010.07.24**  
Time On Btm: **2010.07.23 @ 19:17:12**  
Time Off Btm: **2010.07.23 @ 22:16:57**

TEST COMMENT: **B.O.B. in 25 min.**  
**No return**  
**B.O.B. in 35 min.**  
**No return**



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1992.62	109.12	Initial Hydro-static
1	26.53	108.49	Open To Flow (1)
30	138.37	111.59	Shut-In(1)
75	1029.11	113.74	End Shut-In(1)
75	141.87	113.47	Open To Flow (2)
120	236.95	115.44	Shut-In(2)
179	1005.12	115.94	End Shut-In(2)
180	1912.89	116.07	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
310.00	water 100w	3.22
124.00	m c w tr of oil 10m 90w	1.74
29.00	s o c w m 5o 40w 55m	0.41
1.00	free oil 100o	0.01

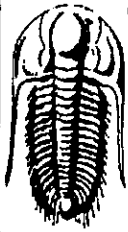
## Gas Rates

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

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**TRIOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas

**Pohlman Heyd #1**

301 S Market,  
Wichita, Ks  
67202

**1-19-34 Scott, Ks**

Job Ticket: 039150

**DST#: 1**

ATTN: Pat Deenihan

Test Start: 2010.07.23 @ 17:25:27

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

26500 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	water 100w	3.219
124.00	m c w tr of oil 10m 90w	1.739
29.00	s o c w m 5o 40w 55m	0.407
1.00	free oil 100o	0.014

Total Length: 464.00 ft      Total Volume: 5.379 bbl

Num Fluid Samples: 0

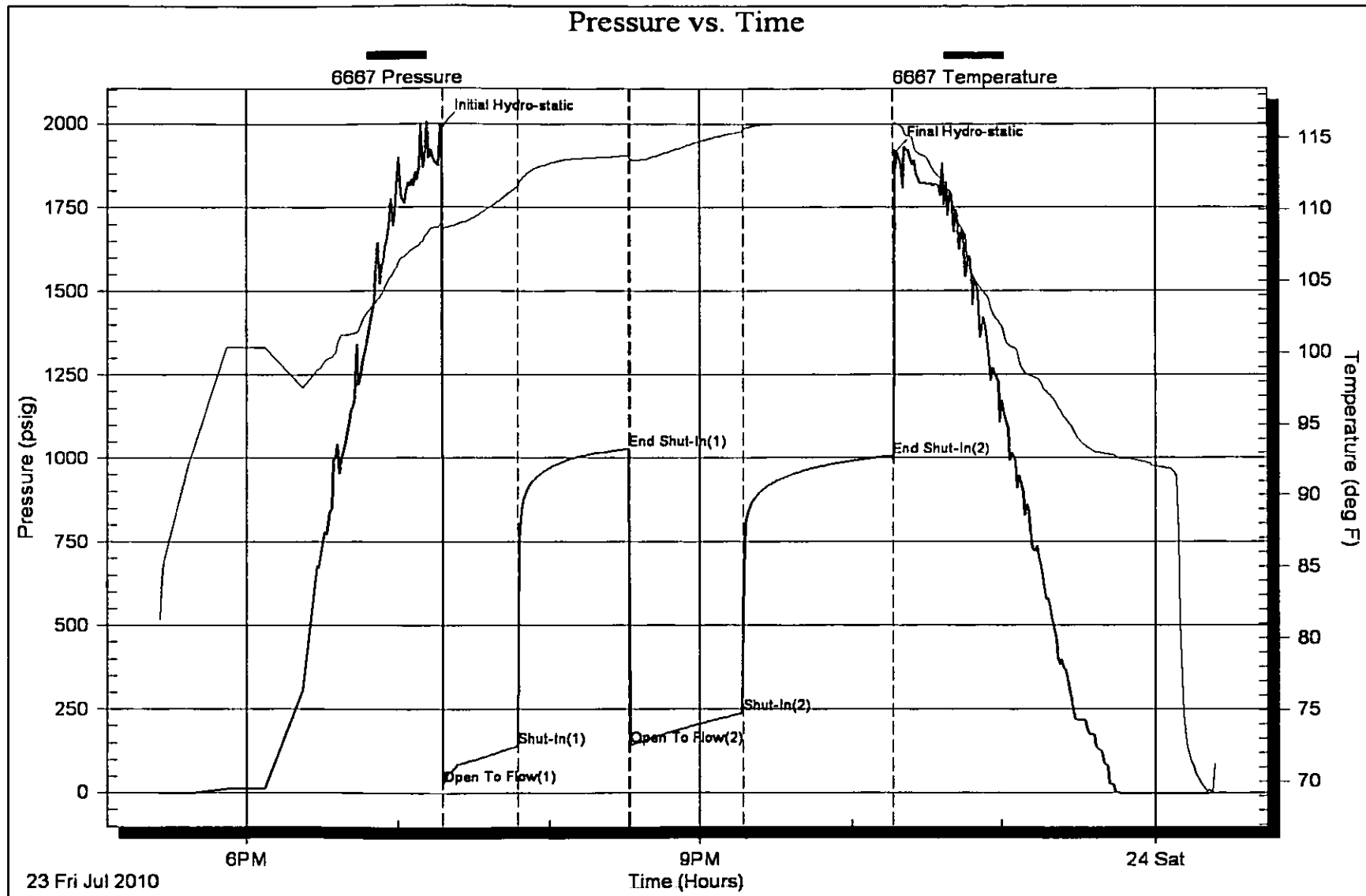
Num Gas Bombs: 0

Serial #:

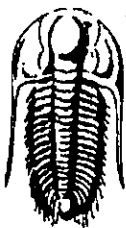
Laboratory Name:

Laboratory Location:

Recovery Comments: rw .260 @ 72\*f = 26,500 chlor



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TESTING, INC**

# DRILL STEM TEST REPORT

Lario Oil & Gas

**Pohlman Heyd #1**

301 S Market,  
Wichita, Ks  
67202  
ATTN: Pat Deenihan

**1-19-34 Scott, Ks**

Job Ticket: 039601

DST#: 2

Test Start: 2010.07.24 @ 08:50:57

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## GENERAL INFORMATION:

Formation: **D**  
Deviated: **No Whipstock** ft (KB)  
Time Tool Opened: 10:30:27  
Time Test Ended: 16:00:27

Test Type: **Conventional Bottom Hole**  
Tester: **Shane McBride**  
Unit No: **40**

Interval: **4092.00 ft (KB) To 4116.00 ft (KB) (TVD)**  
Total Depth: **4116.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **3082.00 ft (KB)**  
**3077.00 ft (CF)**  
KB to GR/CF: **5.00 ft**

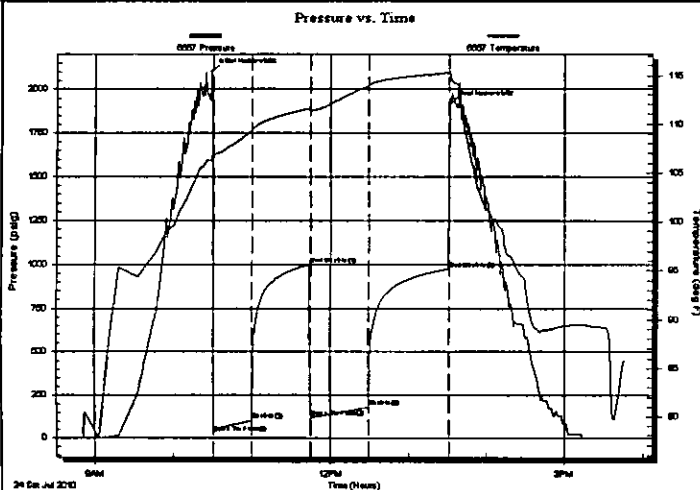
## Serial #: 6667

**Outside**

Press@RunDepth: **179.69 psig @ 4093.00 ft (KB)**  
Start Date: **2010.07.24** End Date: **2010.07.24**  
Start Time: **08:50:57** End Time: **15:46:27**

Capacity: **8000.00 psig**  
Last Calib.: **2010.07.24**  
Time On Btm: **2010.07.24 @ 10:29:27**  
Time Off Btm: **2010.07.24 @ 13:31:27**

TEST COMMENT: **11" in blow  
No return  
8 1/2" in blow  
No return**



## PRESSURE SUMMARY

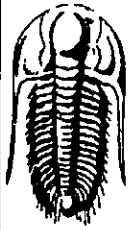
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2100.93	106.55	Initial Hydro-static
1	27.22	106.22	Open To Flow (1)
31	103.12	109.31	Shut-In(1)
75	996.32	111.60	End Shut-In(1)
76	123.85	111.35	Open To Flow (2)
120	179.69	113.89	Shut-In(2)
182	973.07	115.24	End Shut-In(2)
182	1912.93	115.36	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	m c h o 30% m 70% O	0.61
315.00	heavy oil 100% o tr of oil	4.42

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas

**Pohlman Heyd #1**

301 S Market,  
Wichita, Ks  
67202

**1-19-34 Scott, Ks**

Job Ticket: 039601

**DST#: 2**

ATTN: Pat Deenihan

Test Start: 2010.07.24 @ 08:50:57

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

20 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.76 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	m c h o 30% m 70% 0	0.610
315.00	heavy oil 100% o tr of oil	4.419

Total Length: 439.00 ft

Total Volume: 5.029 bbl

Num Fluid Samples: 0

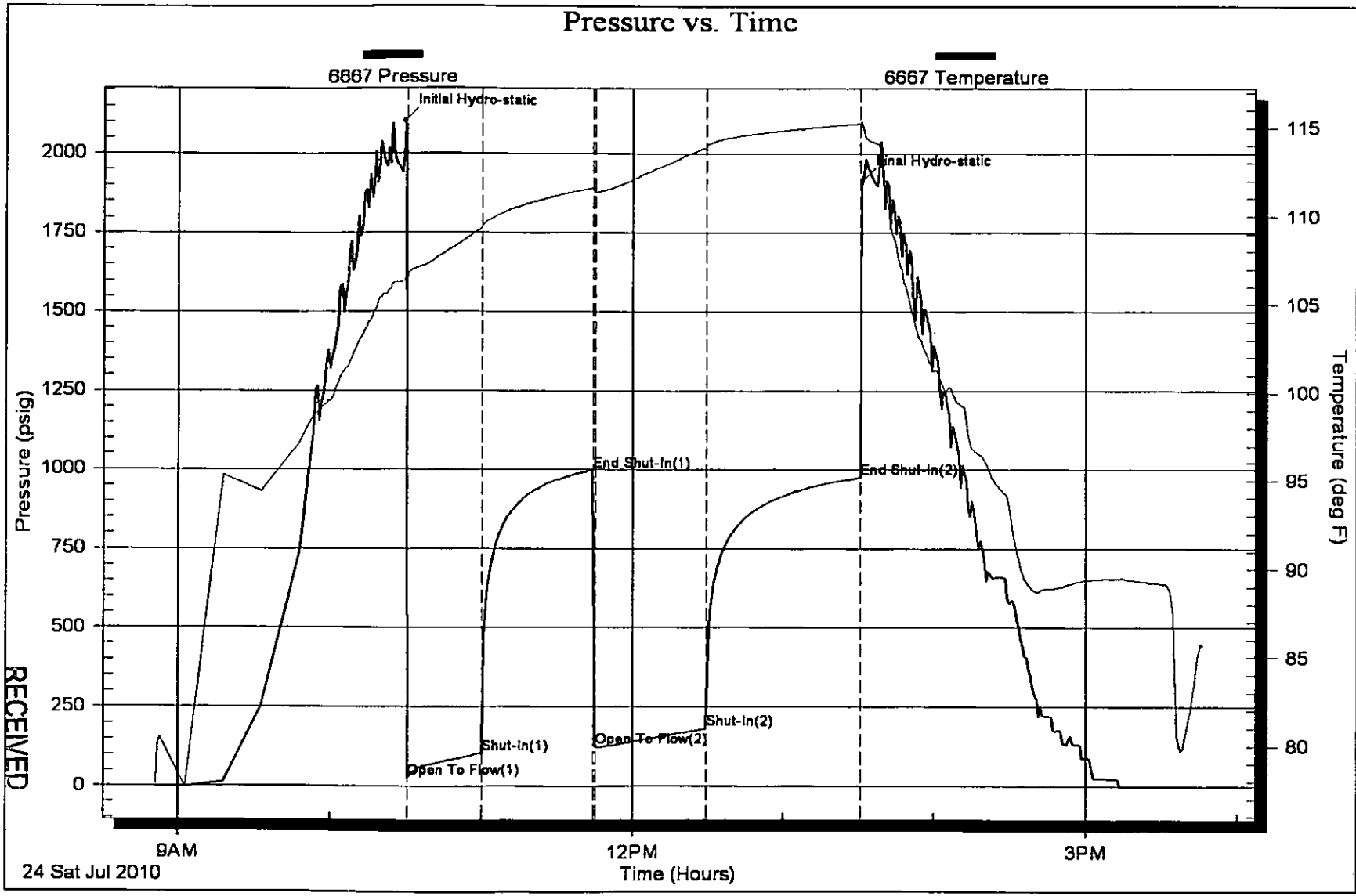
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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TESTING, INC**

# DRILL STEM TEST REPORT

Lario Oil & Gas

**Pohlman Heyd #1**

301 S Market,  
Wichita, Ks  
67202

**1-19-34 Scott, Ks**

Job Ticket: 039602

DST#: 3

ATTN: Pat Deenihan

Test Start: 2010.07.25 @ 02:05:40

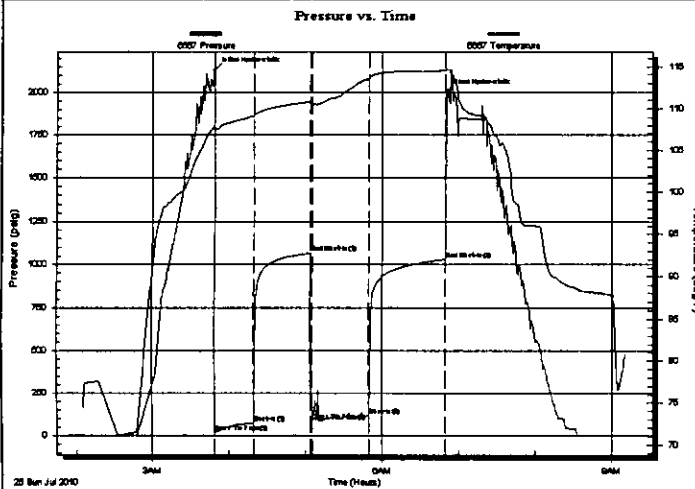
SEP 2 9 2010  
KCC WICHITA

## GENERAL INFORMATION:

Formation: H  
 Deviated: No Whipstock ft (KB)  
 Time Tool Opened: 03:48:40  
 Time Test Ended: 09:25:55  
 Interval: 4187.00 ft (KB) To 4228.00 ft (KB) (TVD)  
 Total Depth: 4228.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Shane McBride  
 Unit No: 40  
 Reference Elevations: 3082.00 ft (KB)  
 3077.00 ft (CF)  
 KB to GR/CF: 5.00 ft

Serial #: 6667 Outside  
 Press@RunDepth: 116.49 psig @ 4188.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2010.07.25 End Date: 2010.07.25 Last Calib.: 2010.07.25  
 Start Time: 02:05:40 End Time: 09:10:55 Time On Btm: 2010.07.25 @ 03:48:25  
 Time Off Btm: 2010.07.25 @ 06:49:55

TEST COMMENT: 6 3/4" in blow  
 No return  
 6 3/4" in blow  
 No return



## PRESSURE SUMMARY

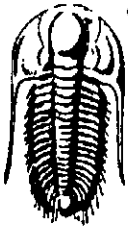
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2131.45	107.95	Initial Hydro-static
1	16.82	107.44	Open To Flow (1)
31	74.83	109.13	Shut-In(1)
75	1065.65	110.80	End Shut-In(1)
77	84.23	110.49	Open To Flow (2)
121	116.49	113.55	Shut-In(2)
181	1026.22	114.46	End Shut-In(2)
182	2002.02	114.63	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
235.00	o c m 45o 55m	2.17

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas

**Pohlman Heyd #1**

301 S Market,  
Wichita, Ks  
67202

**1-19-34 Scott, Ks**

Job Ticket: 039602

**DST#: 3**

ATTN: Pat Deenihan

Test Start: 2010.07.25 @ 02:05:40

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Satinity:

0 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.74 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Safinity: 2800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
235.00	o c m 45o 55m	2.167

Total Length: 235.00 ft

Total Volume: 2.167 bbl

Num Fluid Samples: 0

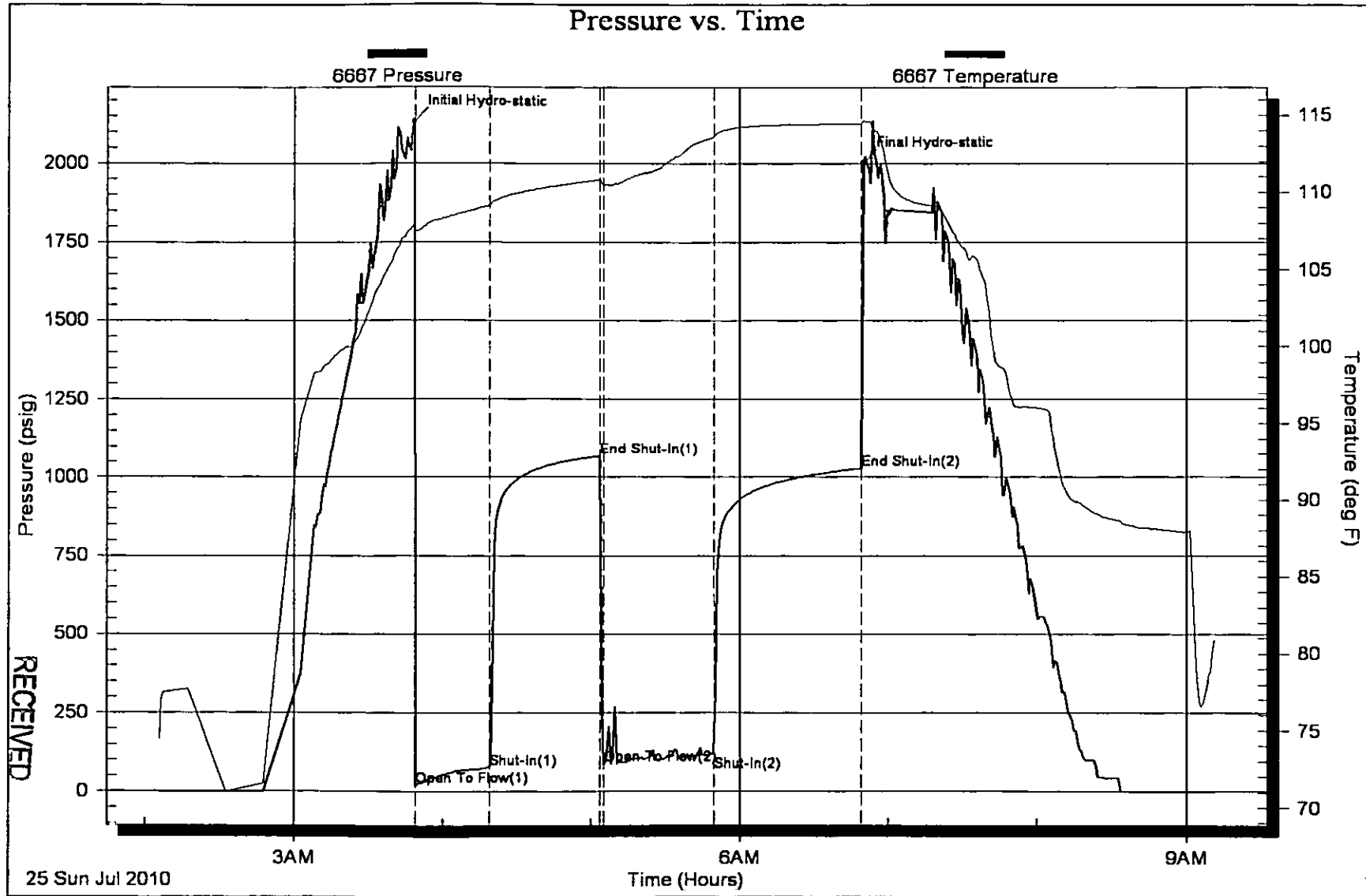
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

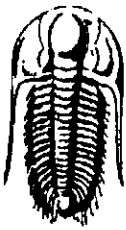
Recovery Comments:



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TESTING, INC**

# DRILL STEM TEST REPORT

Lario Oil & Gas

**Pohlman Heyd #1**

301 S Market,  
Wichita, Ks  
67202  
ATTN: Pat Deenihan

**1-19-34 Scott, Ks**  
Job Ticket: 039603      DST#: 4  
Test Start: 2010.07.25 @ 16:45:43

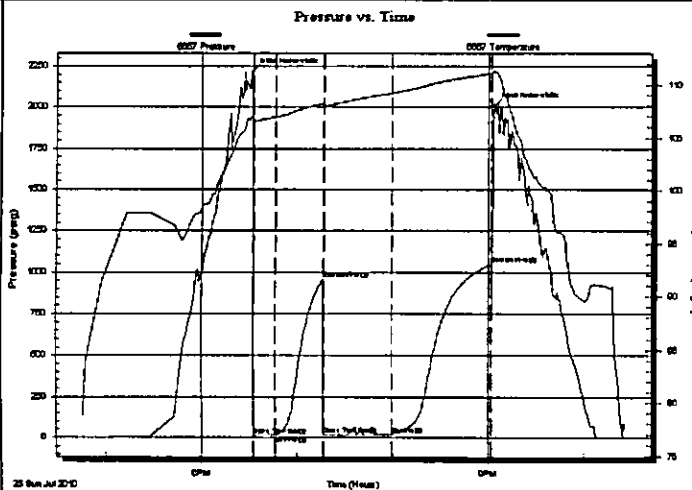
SEP 2 9 2010  
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## GENERAL INFORMATION:

Formation: 1  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 18:32:13  
Time Test Ended: 22:35:28  
Interval: 4226.00 ft (KB) To 4264.00 ft (KB) (TVD)  
Total Depth: 4264.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Reference Elevations: 3082.00 ft (KB)  
3077.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 6667**      **Outside**  
Press@RunDepth: 20.93 psig @ 4227.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2010.07.25      End Date: 2010.07.25      Last Calib.: 2010.07.25  
Start Time: 16:45:43      End Time: 22:25:28      Time On Btrc: 2010.07.25 @ 18:31:58  
Time Off Btrc: 2010.07.25 @ 21:03:43

**TEST COMMENT:** Weak blow died in 12 min  
No return  
No blow  
No return



## PRESSURE SUMMARY

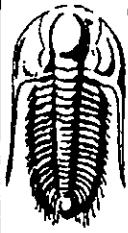
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2218.38	107.06	Initial Hydro-static
1	14.35	106.61	Open To Flow (1)
15	15.77	106.98	Shut-In(1)
45	959.11	108.26	End Shut-In(1)
45	16.63	107.98	Open To Flow (2)
88	20.93	109.23	Shut-In(2)
150	1049.02	111.13	End Shut-In(2)
152	2008.95	111.32	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100m	0.02

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas

**Pohlman Heyd #1**

301 S Market,

**1-19-34 Scott, Ks**

Wichita, Ks

Job Ticket: 039603

**DST#: 4**

67202

ATTN: Pat Deenihan

Test Start: 2010.07.25 @ 16:45:43

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.73 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100m	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

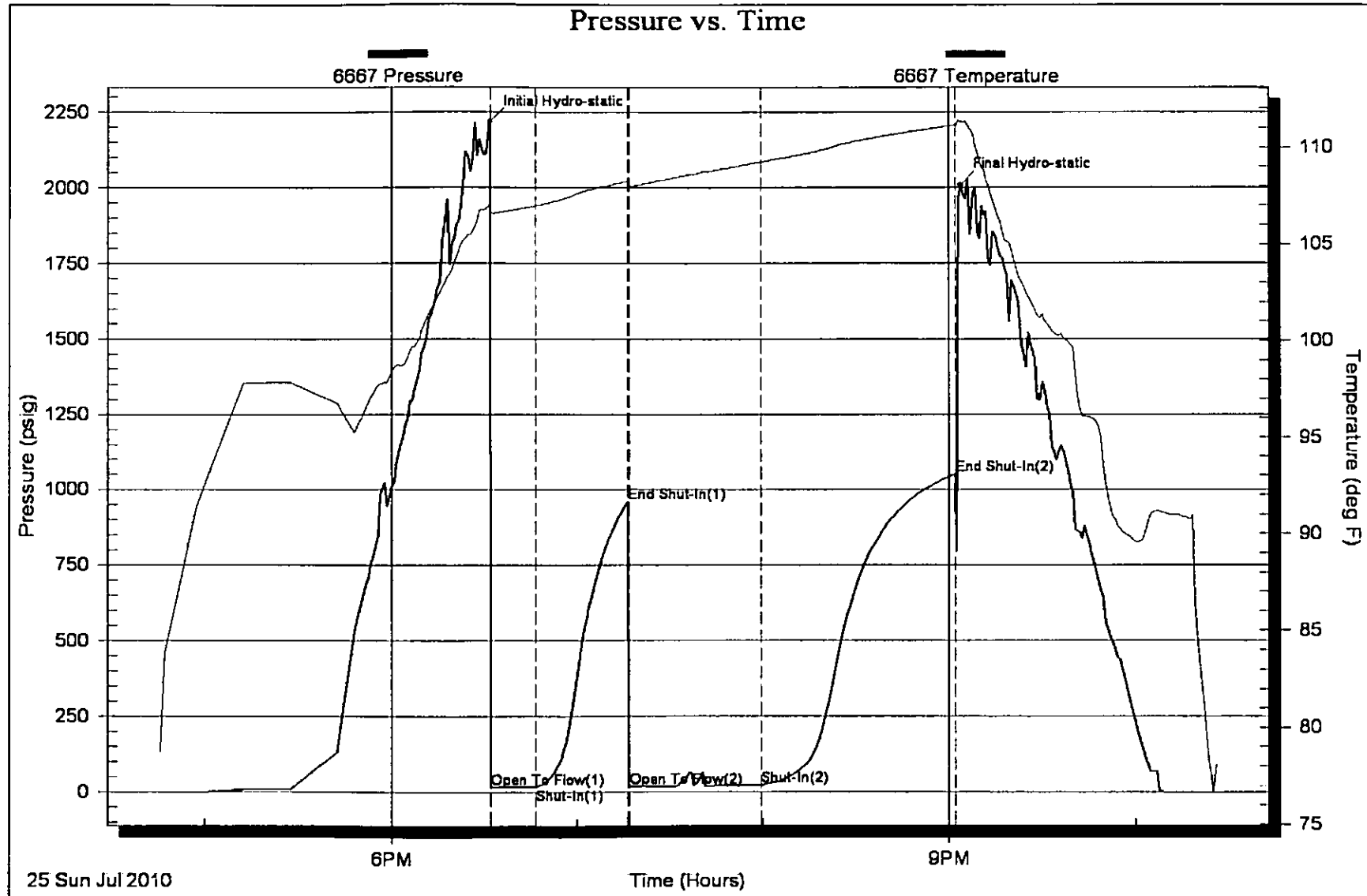
Num Gas Bombs: 0

Serial #:

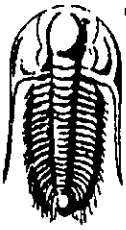
Laboratory Name:

Laboratory Location:

Recovery Comments:



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**DRILL STEM TEST REPORT**

Lario Oil & Gas

**Pohlman Heyd #1**

301 S Market,  
Wichita, Ks  
67202  
ATTN: Pat Deenihan

**1-19-34 Scott, Ks**  
Job Ticket: 039604      DST#: 5  
Test Start: 2010.07.26 @ 09:56:12

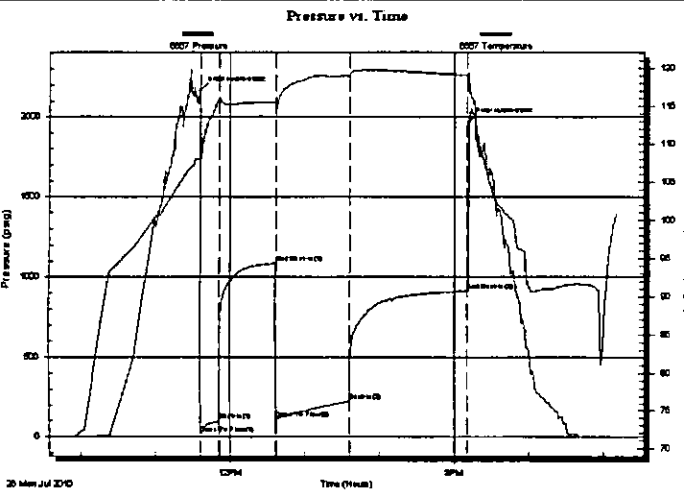
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**GENERAL INFORMATION:**

Formation: K  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 11:36:12  
Time Test Ended: 17:25:27  
Interval: 4300.00 ft (KB) To 4320.00 ft (KB) (TVD)  
Total Depth: 4320.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: Shane McBride  
Unit No: 40  
Reference Elevations: 3082.00 ft (KB)  
3077.00 ft (CF)  
KB to GR/CF: 5.00 ft

Serial #: 6667      Outside  
Press@RunDepth: 224.89 psig @ 4301.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2010.07.26      End Date: 2010.07.26      Last Calib.: 2010.07.26  
Start Time: 09:56:12      End Time: 17:11:27      Time On Btm: 2010.07.26 @ 11:35:57  
Time Off Btm: 2010.07.26 @ 15:11:57

TEST COMMENT: 8 1/2" in blow  
No return  
B.O.B. in 28 min  
No return



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2166.71	108.08	Initial Hydro-static
1	20.48	107.62	Open To Flow (1)
16	101.75	116.13	Shut-In(1)
61	1083.45	115.57	End Shut-In(1)
61	117.01	115.10	Open To Flow (2)
120	224.89	119.08	Shut-In(2)
215	912.33	119.15	End Shut-In(2)
216	1971.32	119.39	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
124.00	s m c h o t r of gas 10m 90o	0.61
434.00	c o heavy 100o	6.09

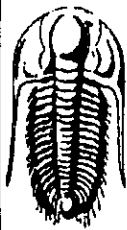
**Gas Rates**

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

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**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas

**Pohlman Heyd #1**

301 S Market,  
Wichita, Ks  
67202

**1-19-34 Scott, Ks**

Job Ticket: 039604

**DST#: 5**

ATTN: Pat Deenihan

Test Start: 2010.07.26 @ 09:56:12

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

17 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8400.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	s m c h o tr of gas 10m 90o	0.610
434.00	c o heavy 100o	6.088

Total Length: 558.00 ft

Total Volume: 6.698 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

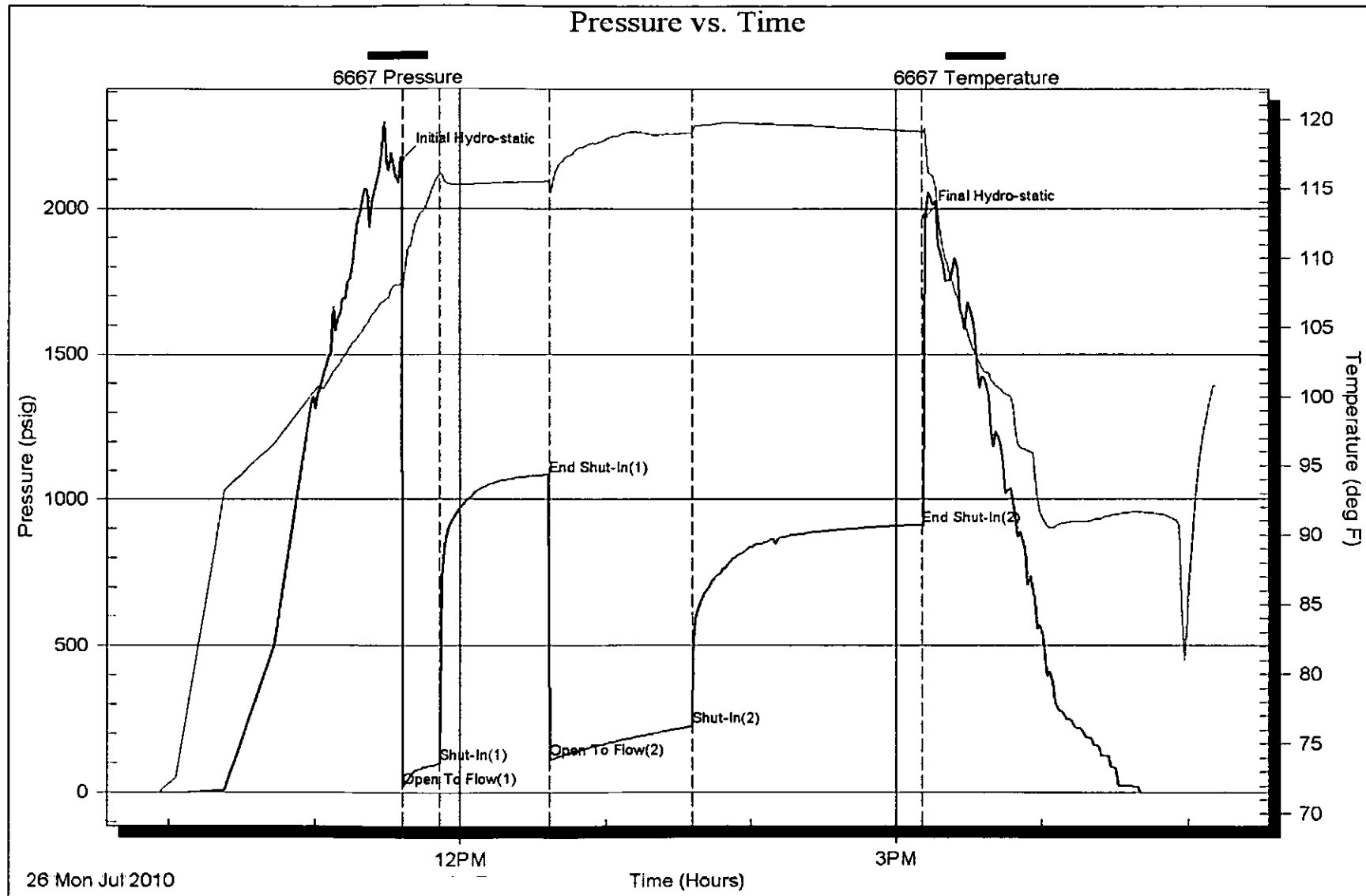
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

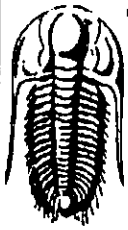




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# DRILL STEM TEST REPORT

Lario Oil & Gas

**Pohlman Heyd #1**

301 S Market,  
Wichita, Ks  
67202  
ATTN: Pat Deenihan

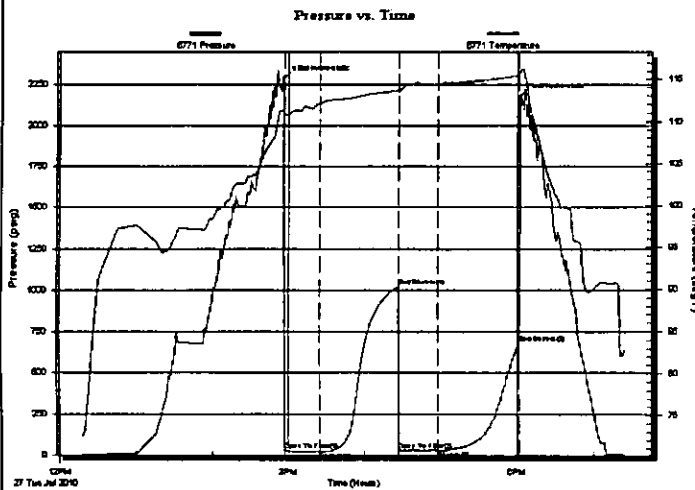
**1-19-34 Scott, Ks**  
Job Ticket: 039605      DST#: 6  
Test Start: 2010.07.27 @ 12:19:00

## GENERAL INFORMATION:

Formation: **Marmaton A**  
 Deviated: **No Whipstock**      ft (KB)  
 Time Tool Opened: 14:56:30  
 Time Test Ended: 19:40:45  
 Test Type: **Conventional Bottom Hole**  
 Tester: **Shane McBride**  
 Unit No: **40**  
 Interval: **4464.00 ft (KB) To 4482.00 ft (KB) (TVD)**  
 Reference Elevations: **3082.00 ft (KB)**  
 Total Depth: **4482.00 ft (KB) (TVD)**      **3077.00 ft (CF)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**      **KB to GR/CF: 5.00 ft**

**Serial #: 6771**      **Inside**  
 Press@RunDepth: **25.89 psig @ 4465.00 ft (KB)**      Capacity: **8000.00 psig**  
 Start Date: **2010.07.27**      End Date: **2010.07.27**      Last Calib.: **2010.07.27**  
 Start Time: **12:19:00**      End Time: **19:24:45**      Time On Btm: **2010.07.27 @ 14:56:15**  
 Time Off Btm: **2010.07.27 @ 18:02:30**

**TEST COMMENT:** Weak blow died in 4 min.  
 No return  
 No blow  
 No return



## PRESSURE SUMMARY

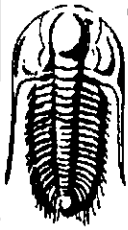
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2283.93	111.49	Initial Hydro-static
1	29.72	110.71	Open To Flow (1)
28	21.99	112.12	Shut-in(1)
91	1021.44	113.68	End Shut-in(1)
91	26.93	113.40	Open To Flow (2)
122	25.89	114.43	Shut-in(2)
186	679.21	115.46	End Shut-in(2)
187	2176.14	116.11	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100m	0.01

## Gas Rates

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



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## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas

**Pohlman Heyd #1**

301 S Market,  
Wichita ,Ks  
67202  
ATTN: Pat Deenihan

**1-19-34 Scott, Ks**  
Job Ticket: 039605      **DST#: 6**  
Test Start: 2010.07.27 @ 12:19:00

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length:	Water Salinity:	0 ppm
Viscosity: 51.00 sec/qt	Cushion Volume:		
Water Loss: 8.70 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure:		
Salinity: 2800.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

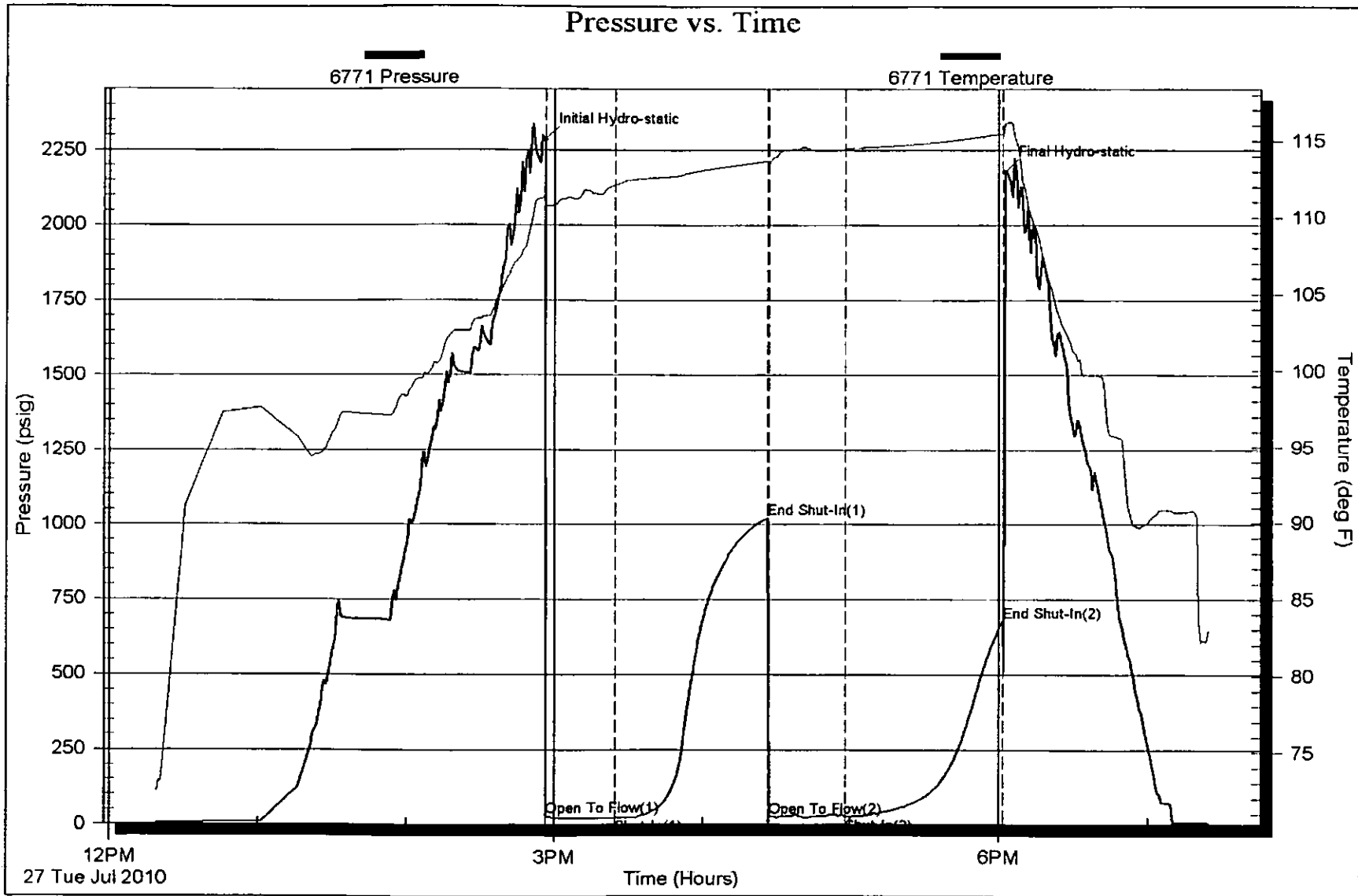
Length ft	Description	Volume bbl
2.00	mud 100m	0.010

Total Length: 2.00 ft      Total Volume: 0.010 bbl

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

Laboratory Name:      Laboratory Location:

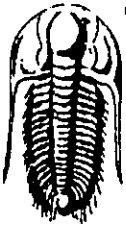
Recovery Comments:



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# DRILL STEM TEST REPORT

Lario Oil & Gas

**Pohlman Heyd #1**

301 S Market,  
Wichita, Ks  
67202

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**1-19-34 Scott, Ks**

Job Ticket: 039606

DST#: 7

ATTN: Pat Deenihan

Test Start: 2010.07.28 @ 02:10:29

## GENERAL INFORMATION:

Formation: **Marmaton**

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

Time Tool Opened: 04:28:14

Time Test Ended: 09:35:29

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **40**

Interval: **4478.00 ft (KB) To 4490.00 ft (KB) (TVD)**

Total Depth: **4490.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **3082.00 ft (KB)**

**3077.00 ft (CF)**

KB to GR/CF: **5.00 ft**

**Serial #: 6667**

**Outside**

Press@RunDepth: **18.43 psig @ 4479.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.07.28**

End Date:

**2010.07.28**

Last Calib.: **2010.07.28**

Start Time: **02:10:29**

End Time:

**09:15:29**

Time On Btm: **2010.07.28 @ 04:26:59**

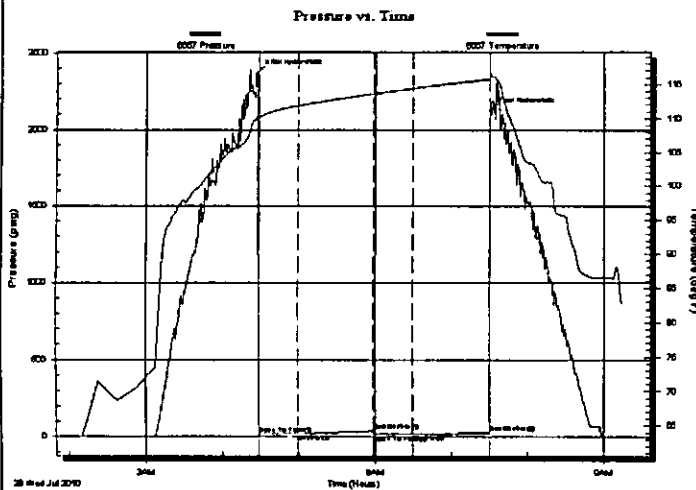
Time Off Btm: **2010.07.28 @ 07:30:14**

**TEST COMMENT:** Weak blow died in 15 min.

No return

No blow

No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2366.81	110.08	Initial Hydro-static
2	16.54	110.08	Open To Flow (1)
32	17.68	111.82	Shut-In(1)
91	36.69	113.58	End Shut-In(1)
92	17.31	113.59	Open To Flow (2)
122	18.43	114.39	Shut-In(2)
183	24.32	115.74	End Shut-In(2)
184	2124.02	116.24	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	mud 100m	0.00

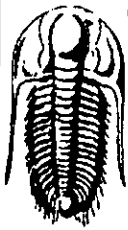
## Gas Rates

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

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## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas

**Pohlman Heyd #1**

301 S Market,  
Wichita, Ks  
67202  
ATTN: Pat Deenihan

**1-19-34 Scott, Ks**  
Job Ticket: 039606      **DST#: 7**  
Test Start: 2010.07.28 @ 02:10:29

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.18 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

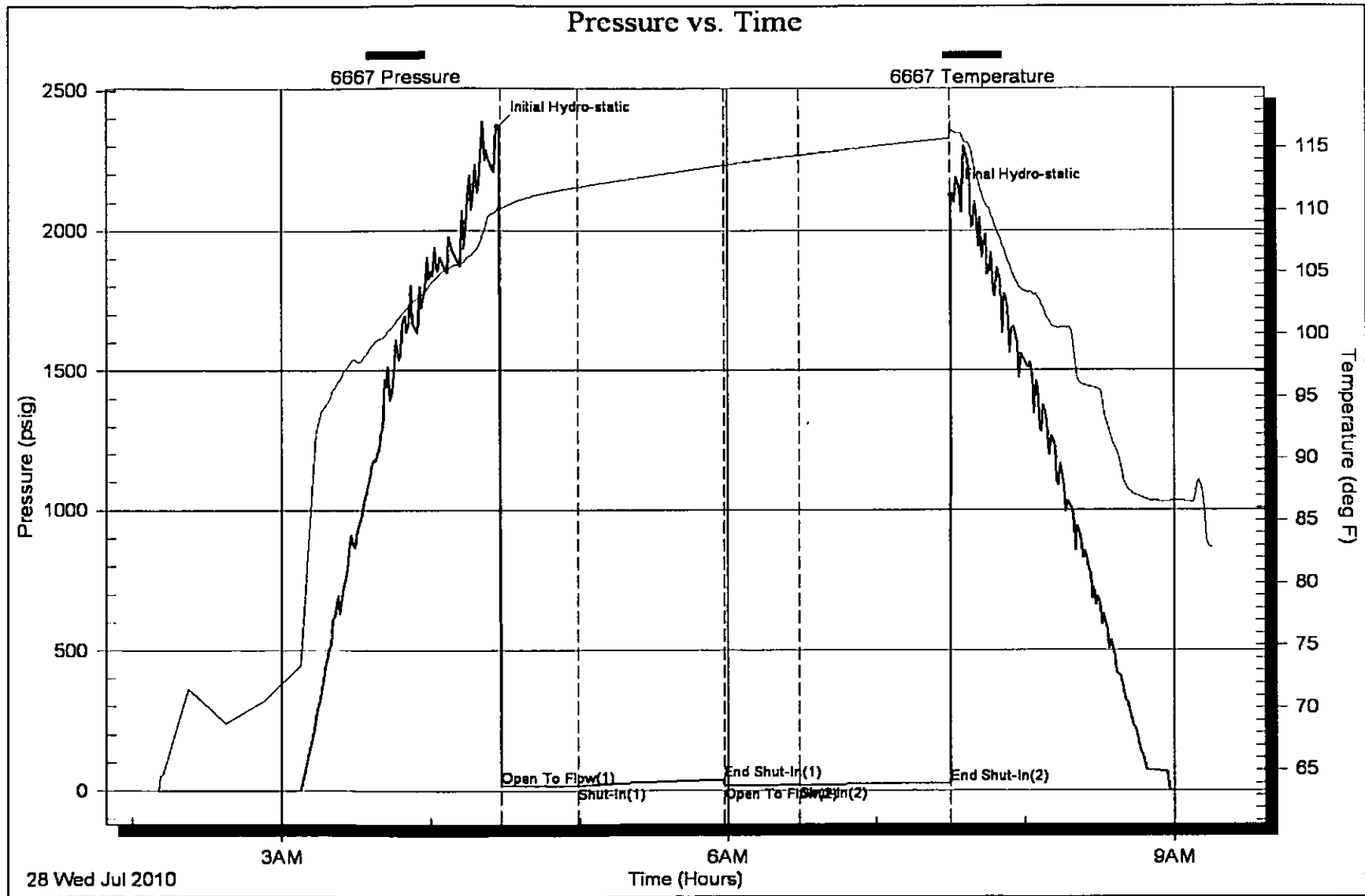
Length ft	Description	Volume bbl
1.00	mud 100m	0.005

Total Length: 1.00 ft      Total Volume: 0.005 bbl

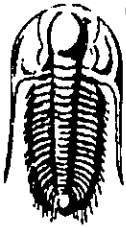
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:



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# DRILL STEM TEST REPORT

Lario Oil & Gas

301 S Market,  
Wichita, Ks  
67202  
ATTN: Pat Deenihan

**Pohlman Heyd #1**

**1-19-34 Scott, Ks**

Job Ticket: 039607

DST#: 8

Test Start: 2010.07.28 @ 19:01:10

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## GENERAL INFORMATION:

Formation: **Pawnee**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 20:50:55  
Time Test Ended: 03:30:25

Test Type: Conventional Bottom Hole  
Tester: Shane McBride  
Unit No: 40

Interval: **4526.00 ft (KB) To 4549.00 ft (KB) (TVD)**  
Total Depth: 4549.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3082.00 ft (KB)  
3077.00 ft (CF)  
KB to GR/CF: 5.00 ft

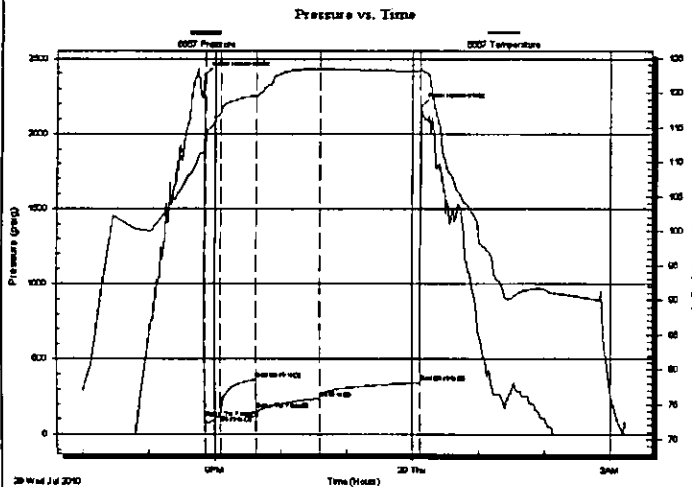
Serial #: **6667**

Outside

Press@RunDepth: 236.61 psig @ 4527.00 ft (KB)  
Start Date: 2010.07.28 End Date: 2010.07.29  
Start Time: 19:01:10 End Time: 03:13:25

Capacity: 8000.00 psig  
Last Calib.: 2010.07.29  
Time On Btm: 2010.07.28 @ 20:50:40  
Time Off Btm: 2010.07.29 @ 00:07:55

TEST COMMENT: B.O.B. in 1 min.  
Return to B.O.B. in 9 min.  
B.O.B. @ open  
Return to B.O.B. in 45 min.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2387.78	111.90	Initial Hydro-static
1	100.95	111.27	Open To Flow (1)
15	124.63	117.08	Shut-In(1)
47	363.24	119.57	End Shut-In(1)
47	161.64	119.48	Open To Flow (2)
105	236.61	123.34	Shut-In(2)
197	344.24	123.05	End Shut-In(2)
198	2184.05	123.52	Final Hydro-static

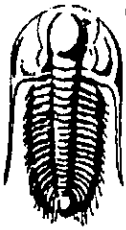
## Recovery

Length (ft)	Description	Volume (bbl)
124.00	g m c o 30g 30m 40o	0.61
464.00	c g o 20g 80o	6.51
0.00	2945' gas in pipe	0.00

## Gas Rates

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





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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas

**Pohlman Heyd #1**

301 S Market,  
Wichita, Ks  
67202  
ATTN: Pat Deenihan

**1-19-34 Scott, Ks**  
Job Ticket: 039607      **DST#: 8**  
Test Start: 2010.07.28 @ 19:01:10

## 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: 0 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl	
Water Loss: 10.37 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 8100.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

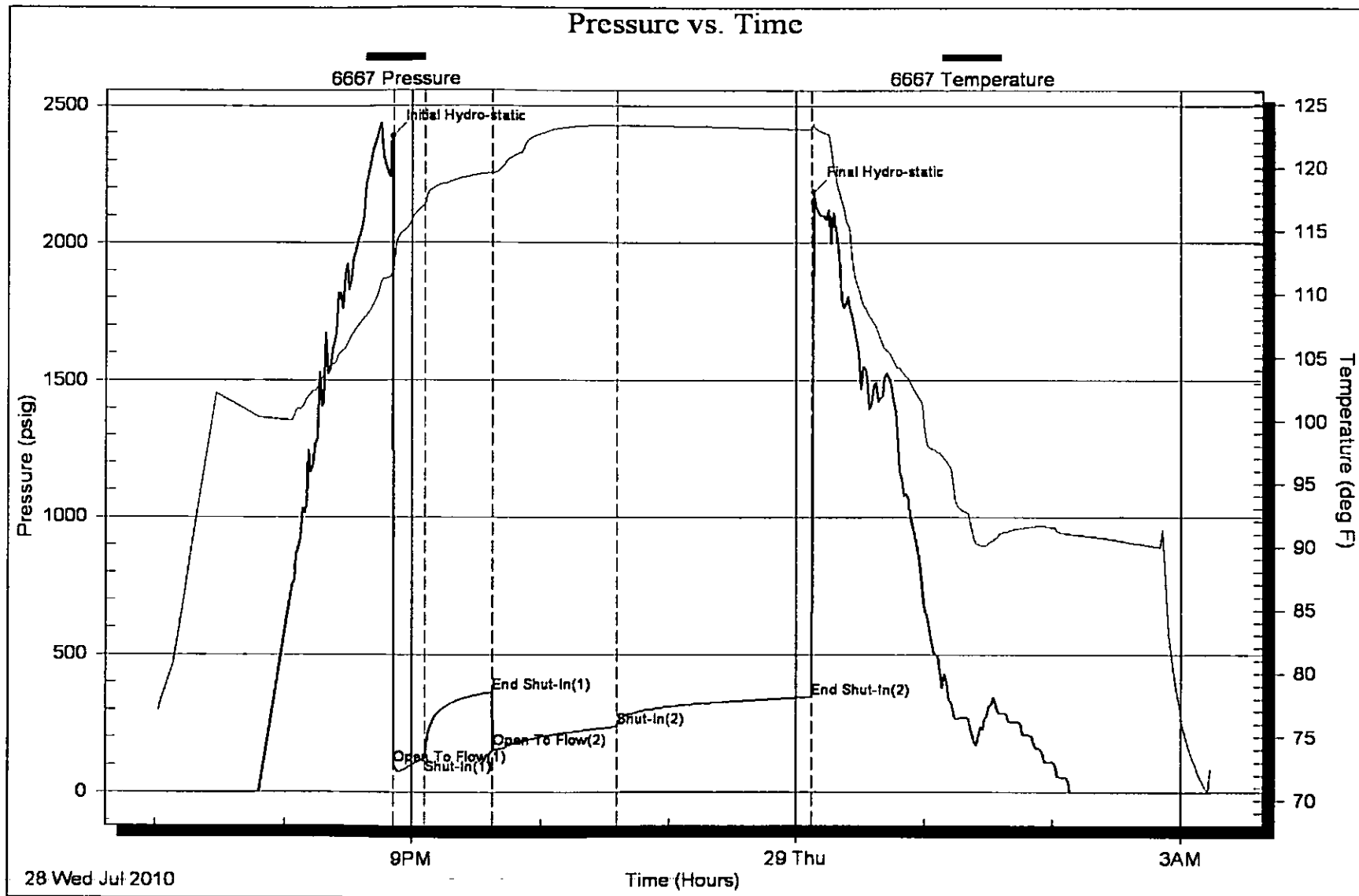
Length ft	Description	Volume bbl
124.00	g m c o 30g 30m 40o	0.610
464.00	c g o 20g 80o	6.509
0.00	2945' gas in pipe	0.000

Total Length: 588.00 ft      Total Volume: 7.119 bbl

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

Laboratory Name:      Laboratory Location:

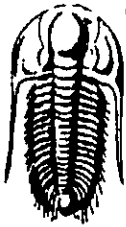
Recovery Comments:



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# DRILL STEM TEST REPORT

Lario Oil & Gas

**Pohlman Heyd #1**

301 S Market,  
Wichita, Ks  
67202

**1-19-34 Scott, Ks**

Job Ticket: 039608

DST#: 9

ATTN: Pat Deenihan

Test Start: 2010.07.29 @ 14:10:41

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## GENERAL INFORMATION:

Formation: **Ft Scott, Cherokee**  
Deviated: **No Whipstock:** ft (KB)  
Time Tool Opened: 15:49:56  
Time Test Ended: 20:45:11

Test Type: **Conventional Bottom Hole**  
Tester: **Shane McBride**  
Unit No: **40**

Interval: **4555.00 ft (KB) To 4602.00 ft (KB) (TVD)**  
Total Depth: **4602.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **3082.00 ft (KB)**  
**3077.00 ft (CF)**  
KB to GR/CF: **5.00 ft**

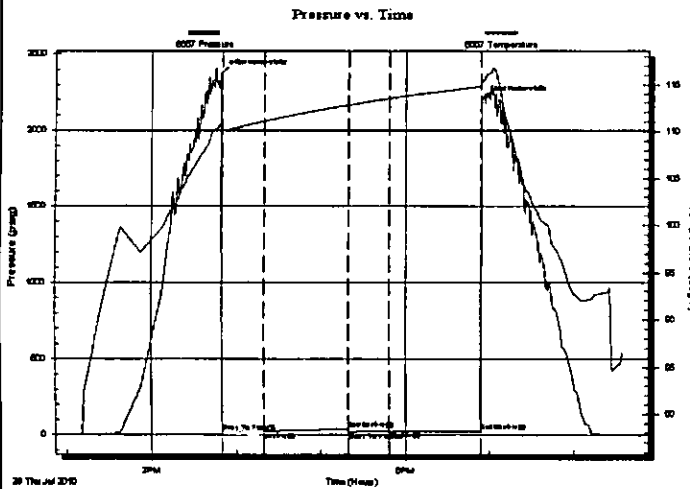
**Serial #: 6667**

**Outside**

Press@RunDepth: **25.96 psig @ 4556.00 ft (KB)**  
Start Date: **2010.07.29** End Date: **2010.07.29**  
Start Time: **14:10:41** End Time: **20:34:11**

Capacity: **8000.00 psig**  
Last Calib.: **2010.07.29**  
Time On Btm: **2010.07.29 @ 15:49:41**  
Time Off Btm: **2010.07.29 @ 18:54:41**

**TEST COMMENT:** Weak blow died in 10 min.  
No return  
No blow  
No return



## PRESSURE SUMMARY

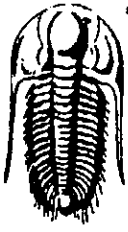
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2369.48	110.69	Initial Hydro-static
1	20.69	110.20	Open To Flow (1)
31	21.98	111.07	Shut-In(1)
90	37.11	112.77	End Shut-In(1)
91	22.06	112.77	Open To Flow (2)
120	25.96	113.47	Shut-In(2)
184	28.11	114.80	End Shut-In(2)
185	2203.64	115.39	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud 100m	0.01

## Gas Rates

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



**TRILOBITE  
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## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas

**Pohlman Heyd #1**

301 S Market,  
Wichita, Ks  
67202

**1-19-34 Scott, Ks**

Job Ticket: 039608

**DST#: 9**

ATTN: Pat Deenihan

Test Start: 2010.07.29 @ 14:10:41

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
3.00	mud 100m	0.015

Total Length:

3.00 ft

Total Volume:

0.015 bbl

Num Fluid Samples: 0

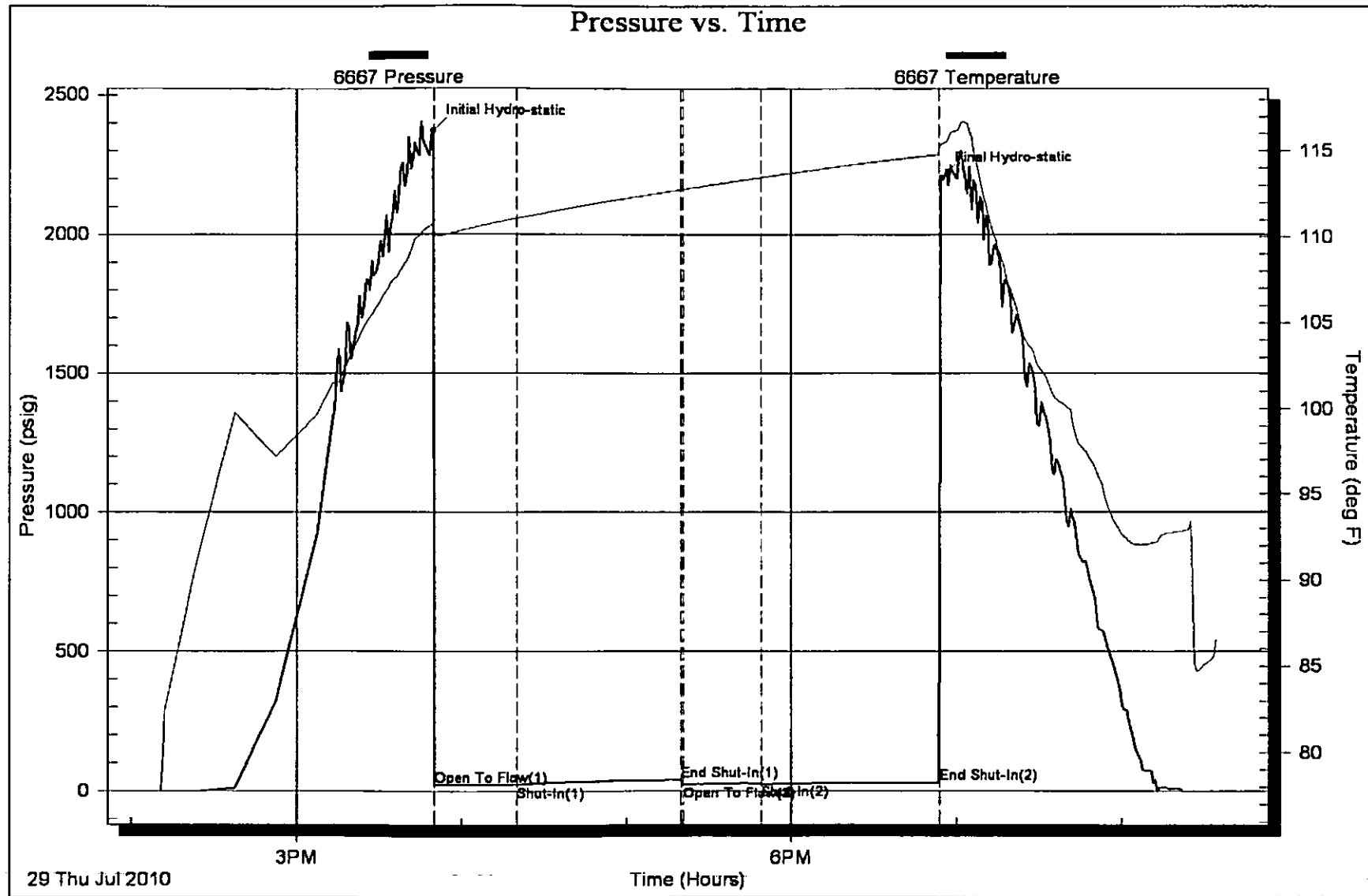
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



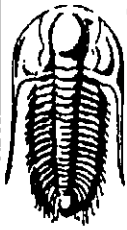
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**DRILL STEM TEST REPORT**

Lario Oil & Gas

**Pohlman Heyd #1**

301 S Market,  
Wichita, Ks  
67202

**1-19-34 Scott, Ks**

Job Ticket: 039609

**DST#: 10**

ATTN: Pat Deenihan

SEP 28 2010

Test Start: 2010.07.30 @ 14:09:49

**GENERAL INFORMATION:**

Formation: **Morrow**  
 Deviated: **No Whipstock** ft (KB)  
 Time Tool Opened: 16:10:49  
 Time Test Ended: 21:10:49

Test Type: **Conventional Bottom Hole**  
 Tester: **Shane McBride**  
 Unit No: **40**

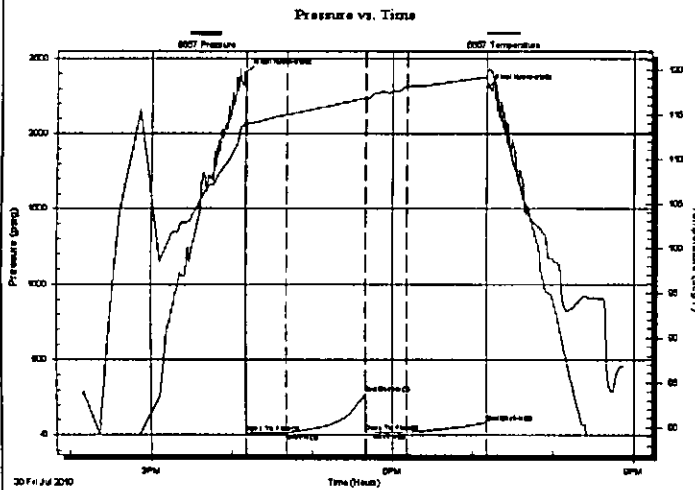
Interval: **4733.00 ft (KB) To 4767.00 ft (KB) (TVD)**  
 Total Depth: **4767.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **3082.00 ft (KB)**  
**3077.00 ft (CF)**  
 KB to GR/CF: **5.00 ft**

Serial #: **6667** **Outside**  
 Press@RunDepth: **18.92 psig @ 4734.00 ft (KB)**  
 Start Date: **2010.07.30** End Date: **2010.07.30**  
 Start Time: **14:09:49** End Time: **20:53:49**

Capacity: **8000.00 psig**  
 Last Calib.: **2010.07.30**  
 Time On Btm: **2010.07.30 @ 16:10:34**  
 Time Off Btm: **2010.07.30 @ 19:10:49**

**TEST COMMENT:** Weak blow died in 3 min  
 No return  
 No blow  
 No return



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2405.09	114.22	Initial Hydro-static
1	12.91	113.59	Open To Flow (1)
31	15.94	114.96	Shut-In(1)
89	278.61	116.83	End Shut-In(1)
90	19.83	116.64	Open To Flow (2)
121	18.92	118.20	Shut-In(2)
180	86.64	119.15	End Shut-In(2)
181	2306.77	119.81	Final Hydro-static

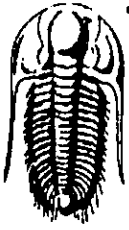
**Recovery**

Length (ft)	Description	Volume (bbl)
2.00	mud 100m	0.01

**Gas Rates**

Choke (inches)	Pressure (psig)	Gas Rate (Mcfd)

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## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas

**Pohlman Heyd #1**

301 S Market,  
Wichita, Ks  
67202

**1-19-34 Scott, Ks**

Job Ticket: 039609

**DST#: 10**

ATTN: Pat Deenihan

Test Start: 2010.07.30 @ 14:09:49

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7600.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud 100m	0.010

Total Length: 2.00 ft      Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

