

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

6/29/12

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 5214
 Name: Lario Oil & Gas Company **KCC**
 Address: 301 S. Market
 City/State/Zip: Wichita, KS 67202 **JUN 23 2010**
 Purchaser: _____ **CONFIDENTIAL**
 Operator Contact Person: Jay G. Schweikert
 Phone: (316) 265-5611
 Contractor: Name: Val Energy **RECEIVED**
 License: 5822 **KANSAS CORPORATION COMMISSION**
 Wellsite Geologist: Vern Schrag **JUN 30 2010**
 Designate Type of Completion: **CONSERVATION DIVISION**
 _____ New Well _____ Re-Entry _____ Workover **WICHITA, KS**
 _____ 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. _____
 6-9-10 _____ 6-19-10 _____ 6-20-10 _____
 Spud Date or _____ Date Reached TD _____ Completion Date or _____
 Recompletion Date _____ Recompletion Date _____

API No. 15 - 063-21846 - 0000
 County: Gove
 N2 SW NW SE Sec. 21 Twp. 14 S. R. 31 East West
1800 feet from S N (circle one) Line of Section
2250 feet from E W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: Thies Ranch Well #: 1-21
 Field Name: Wildcat
 Producing Formation: _____
 Elevation: Ground: 2776' Kelly Bushing: 2781'
 Total Depth: 4580' Plug Back Total Depth: _____
 Amount of Surface Pipe Set and Cemented at 227' Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set _____ Feet
 If Alternate II completion, cement circulated from _____
 feet depth to _____ w/ _____ sx crnt.

Drilling Fluid Management Plan **PA NJ 710-10**
 (Data must be collected from the Reserve Pit)
 Chloride content 8,000 ppm Fluid volume 730 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: 6-23-10

Subscribed and sworn to before me this 23rd day of June, 2010.

Notary Public **KATHY L FORD**
 Notary Public, State of Kansas
 My Comm. Expires 10-22-10
 Date Commission Expires 10-22-10

Kathy L Ford
10-22-10

KCC Office Use ONLY

Letter of Confidentiality Received 6-29-10 - 6-29-12

If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

Operator Name: Lario Oil & Gas Company Lease Name: Thies Ranch Well #: 1-21
 Sec. 21 Twp. 14 S. R. 31 East West County: Gove

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:

CNT/LDT/MLT/CST/PIT

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Heebner	3804	-1023
Lansing	3840	-1059
Hushpuckney	4121	-1340
BKC	4165	-1384
Marmaton	4217	-1436
Pawnee	4288	-1507
Morrow	4445	-1664
Mississippian	4477	-1696

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"	24#	227'	Class A	150	3% cc, 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
6-20-10, D&A					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas Vented Sold Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____



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 # 234740

Invoice Date: 06/15/2010 Terms:

Page 1

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

KCC
JUN 29 2010
CONFIDENTIAL

THIES RANCH 1-21
28823
06-09-10

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	150.00	16.0000	2400.00
1102	CALCIUM CHLORIDE (50#)	423.00	.8800	372.24
1118B	PREMIUM GEL / BENTONITE	282.00	.2000	56.40
4432	8 5/8" WOODEN PLUG	1.00	92.0000	92.00

Sublet Performed	Description	Total
9999-70	CASH DISCOUNT	-1096.41

Description	Hours	Unit Price	Total
439 MIN. BULK DELIVERY	1.00	390.00	390.00
520 CEMENT PUMP (SURFACE)	1.00	985.00	985.00
520 EQUIPMENT MILEAGE (ONE WAY)	20.00	4.50	90.00

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 30 2010

CONSERVATION DIVISION
WICHITA, KS

*BCP
AFE 10-102*

*all
we*

	APR	FILE	
SC			
KG			
NY	JUN 18 2010		DB
PV			MM
OD	IS	KF	GV SF DM

Parts:	2920.64	Freight:	.00	Tax:	205.91	AR	3495.14
Labor:	.00	Misc:	.00	Total:	3495.14		
Sublt:	-1096.41	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

ENTERED

TICKET NUMBER 28823
LOCATION OAKAY
FOREMAN Kevin M. Coy

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY																
6-9-10	4193	Thies Ranch 1-21	21	14S	31W	Gove																
CUSTOMER <u>LARIO OIL & GAS Co.</u>			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>520</td> <td>CLIFF</td> <td></td> <td></td> </tr> <tr> <td>439</td> <td>CHRIS</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	520	CLIFF			439	CHRIS						
TRUCK #	DRIVER	TRUCK #					DRIVER															
520	CLIFF																					
439	CHRIS																					
MAILING ADDRESS <u>301 S. MARKET</u>																						
CITY <u>Wichita</u>	STATE <u>Ks</u>	ZIP CODE <u>67202</u>																				

JOB TYPE SURFACE HOLE SIZE 12 1/4" HOLE DEPTH 232' KB CASING SIZE & WEIGHT 24" 8 5/8 NAW
 CASING DEPTH 232' KB DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.2 # SLURRY VOL 36 BBL WATER gal/sk 6.5 CEMENT LEFT in CASING 15'
 DISPLACEMENT 14.0 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting: Rig up to 8 5/8 Casing. Mixed 150 SKS CLASS 'A' Cement w/ 3% CaCl2, 2% GEL @ 15.2 #/gal. Shut down. Release Plug. Displace w/ 14.0 BBL fresh water. Shut casing in. Good Cement Returns to Surface = 5 BBL Slurry to Pit. Job Complete. Rig down.

KCC
JUN 29 2010
CONFIDENTIAL

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	985.00	985.00
5406	20	MILEAGE	4.50	90.00
11045	150 SKS	CLASS 'A' Cement	16.00	2400.00
1102	423 #	CaCl2 3%	.88 #	372.24
1118 B	282 #	Gel 2%	.20 #	56.40
5407	7.05 TONS	Ten Mileage	MIC	390.00
4432	1	8 5/8 wooden Plug	92.00	92.00
RECEIVED KANSAS CORPORATION COMMISSION JUN 30 2010 CONSERVATION DIVISION WICHITA, KS				
			Sub Total	4385.64
			Discount	Less 25%
			SALES TAX	205.91
			ESTIMATED TOTAL	3495.14

Revin 3737

AUTHORIZATION: [Signature] TITLE VAL Drly. Toolpusher DATE 6-9-10

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.



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 # 234801

Invoice Date: 06/22/2010 Terms:

Page 1

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

THIES RANCH 1-21
24426
21-14-31
06-19-2010

KCC

JUN 29 2010

CONFIDENTIAL

Description	Hours	Unit Price	Total
CEMENT PUMP	1.00	1200.00	1200.00
EQUIPMENT MILEAGE (ONE WAY)	20.00	4.50	90.00
TON MILEAGE DELIVERY	1.00	283.80	283.80

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	220.00	13.0000	2860.00
1118B	PREMIUM GEL / BENTONITE	756.00	.2000	151.20
1107	FLO-SEAL (25#)	55.00	2.5000	137.50
4432	8 5/8" WOODEN PLUG	1.00	92.0000	92.00

Sublet Performed	Description	Total
9999-100	CASH DISCOUNT	-1203.63

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 30 2010

CONSERVATION DIVISION
WICHITA, KS

ad
yo

KG									
HY									DB
TV									T4L
OB									DM

JUN 21 2010

ad
yo

Parts:	3240.70	Freight:	.00	Tax:	228.47	AR	3839.34
Labor:	.00	Misc:	.00	Total:	3839.34		
Sublt:	-1203.63	Supplies:	.00	Change:	.00		

Signed _____

Date _____

BARTLESVILLE, OK
918/338-0808

ELDORADO, KS
316/322-7022

EUREKA, KS
620/583-7664

GILLETTE, WY
307/686-4914

MCALISTER, OK
918/426-7667

OTTAWA, KS
785/242-4044

THAYER, KS
620/839-5269

WORLAND, WY
307/347-4577



TICKET NUMBER: 24426
 LOCATION: Oakley Ks
 FOREMAN: Walt Dunkel

PO Box 884, Chanute, KS 66720
 20-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT
 CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-19-10	4793	Thies Ranch 1-21	21	14 ^s	31 ^e	Gove

CUSTOMER: Lario Oil & Gas
 MAILING ADDRESS: 301 S. Market
 CITY: Wichita STATE: Ks ZIP CODE: 67202

TRUCK #	DRIVER	TRUCK #	DRIVER
463	Sharon F	KCC	
439	Brandon W		

JUN 29 2010
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JOB TYPE: PTA - O HOLE SIZE: _____ HOLE DEPTH: 4530' CASING SIZE & WEIGHT: _____
 CASING DEPTH: _____ DRILL PIPE: 4 1/2 XH TUBING: _____ OTHER: _____
 SLURRY WEIGHT: _____ SLURRY VOL: _____ WATER gal/sk: _____ CEMENT LEFT in CASING: _____
 DISPLACEMENT: _____ DISPLACEMENT PSI: _____ MIX PSI: _____ RATE: _____

REMARKS: Safety meeting, start plugging thro 4 1/2 XH Drill Pipe

25 - SKs @ 2260'
100 - SKs @ 1300' 220 SKs 6 1/4" poz, 4% Cel, 1/4" Flo-Seal
40 - SKs @ 270'
10 - SKs @ 40'
30 - SKs in bit
15 - SKs in mt.

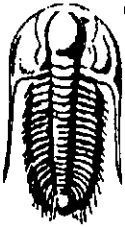
Thank You
Walt & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1,200 ⁰⁰	1,200 ⁰⁰
3406	20 miles	MILEAGE 20 miles	450	90 ⁰⁰
1131	220	SKs 6 1/4" poz, Blend	13 ⁰⁰	2860 ⁰⁰
118B	756#	Bentonite (Cel)	120	15120
1107	55#	Flo-Seal	2 ⁵⁰	13750
4432	1	8 5/8" 100den Plug	92 ⁰⁰	92 ⁰⁰
5407A	9.46 Ton	Ton Mileage Delivery	150	28380
Subtotal				4,814 ⁵⁰
less Disc			25%	-1203 ⁶³
SALES TAX				228 ⁴⁷
ESTIMATED TOTAL				3839 ³⁴

RECEIVED
 KANSAS CORPORATION COMMISSION
 JUN 30 2010
 CONSERVATION DIVISION
 WICHITA, KS

234801

AUTHORIZATION: [Signature] TITLE: Tod Pusker DATE: 6-9-10



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario
301 S Market
Wichita, KS 67202
ATTN: Vern Schrag

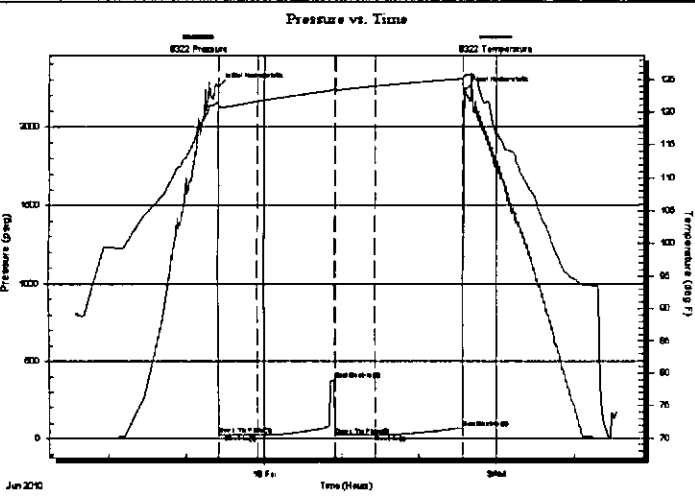
Thies Ranch #1-21
21-14s-31w Gove
Job Ticket: 37898 DST#: 4
Test Start: 2010.06.17 @ 21:35:05

GENERAL INFORMATION:

Formation: **Cherokee**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 23:25:15
Time Test Ended: 04:32:44
Interval: **4380.00 ft (KB) To 4453.00 ft (KB) (TVD)**
Total Depth: **4453.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Fair
Test Type: **Conventional Bottom Hole**
Tester: **Brandon Domsch**
Unit No: **48**
Reference Elevations: **2781.00 ft (KB)**
2776.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 8322 **Inside**
Press@RunDepth: **23.54 psig @ 4381.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.06.17** End Date: **2010.06.18** Last Calib.: **2010.06.18**
Start Time: **21:35:05** End Time: **04:32:44** Time On Btm: **2010.06.17 @ 23:25:00**
Time Off Btm: **2010.06.18 @ 02:35:30**

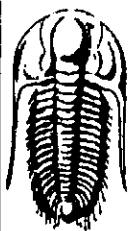
TEST COMMENT: IF: 1/4 inch died in 11 mins.
IS: No return.
FF: No blow.
FS: No return.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2254.66	121.39	Initial Hydro-static
1	23.93	120.81	Open To Flow (1)
30	23.46	121.62	Shut-In(1)
90	378.72	123.46	End Shut-In(1)
91	23.11	123.40	Open To Flow (2)
121	23.54	123.96	Shut-In(2)
189	66.87	125.09	End Shut-In(2)
191	2234.07	125.61	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
3.00	M 100% m	0.04
0.00	GIP = 0	0.00

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
<p>RECEIVED KANSAS CORPORATION COMMISSION</p> <p>JUN 30 2010</p> <p>CONSERVATION DIVISION WICHITA, KS</p>			



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario
301 S Market
Wichita, KS 67202
ATTN: Vern Schrag

Thies Ranch #1-21
21-14s-31w Gove
Job Ticket: 37898 DST#: 4
Test Start: 2010.06.17 @ 21:35:05

Mud and Cushion Information

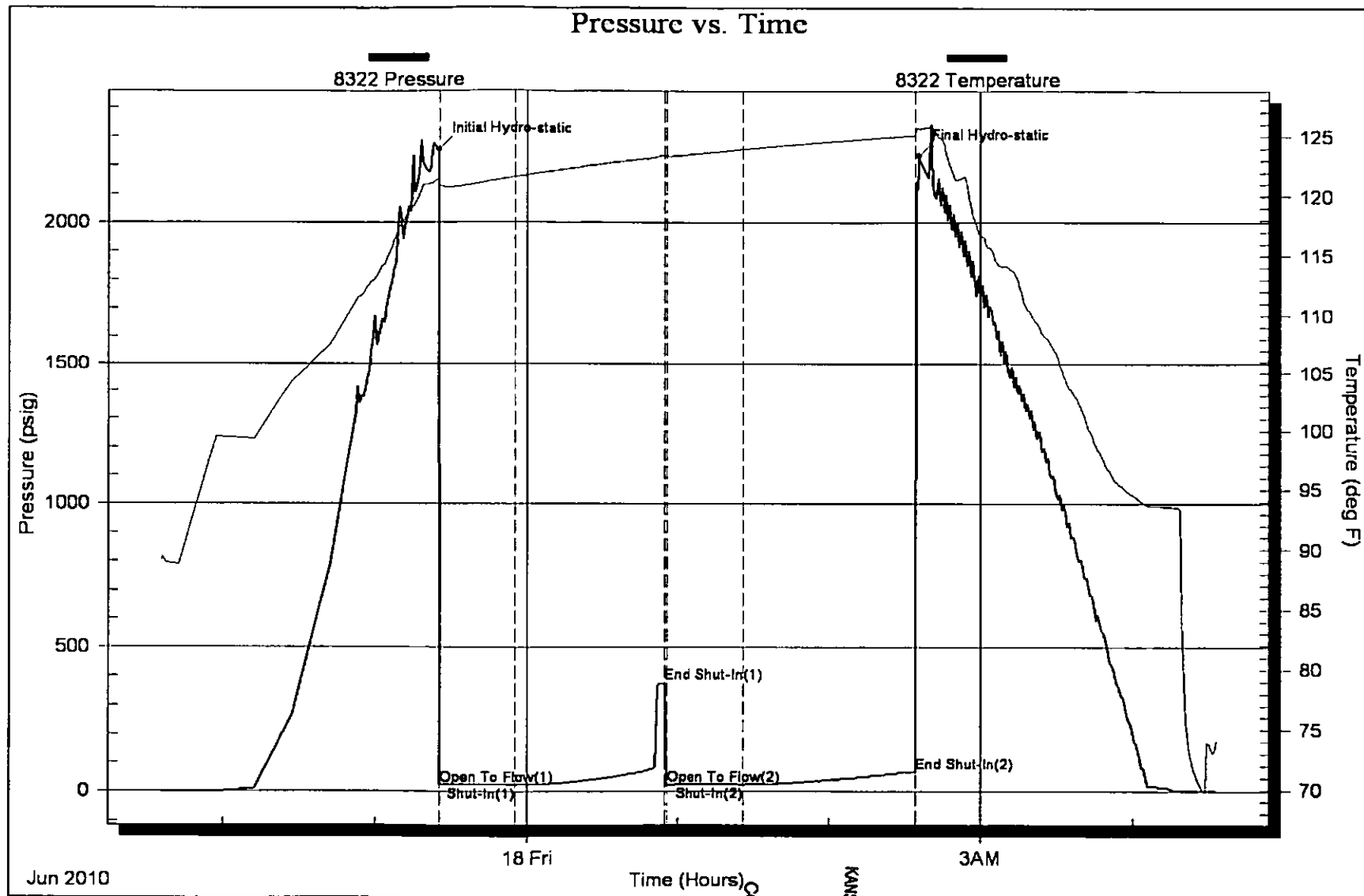
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.17 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

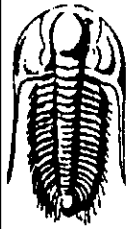
Recovery Table

Length ft	Description	Volume bbl
3.00	M 100%m	0.042
0.00	GP = 0	0.000

Total Length: 3.00 ft Total Volume: 0.042 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



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KANSAS CORPORATION COMMISSION
JUN 30 2010
CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

KCC
JUN 29 2010
CONFIDENTIAL

Lario
301 S Market
Wichita, KS 67202
ATTN: Vern Schrag

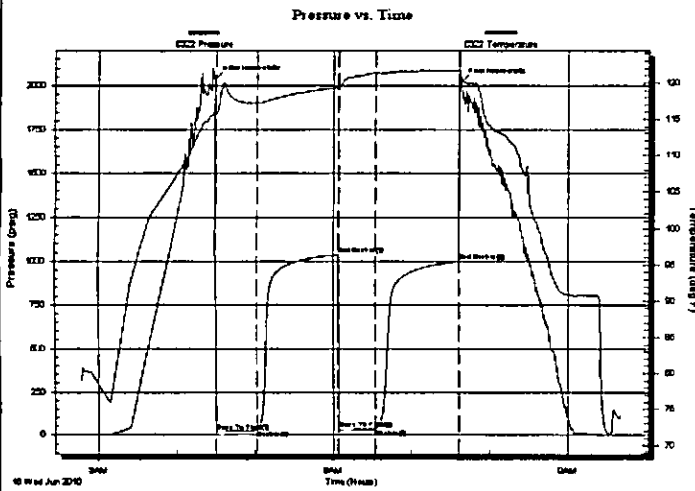
Thies Ranch #1-21
21-14s-31w Gove
Job Ticket: 37897 DST#: 3
Test Start: 2010.06.16 @ 02:47:05

GENERAL INFORMATION:

Formation: **K Zone**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 04:30:00
Time Test Ended: 09:40:59
Interval: **4093.00 ft (KB) To 4120.00 ft (KB) (TVD)**
Total Depth: **4120.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Fair
Test Type: **Conventional Bottom Hole**
Tester: **Brandon Domsch**
Unit No: **48**
Reference Elevations: **2781.00 ft (KB)**
2776.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 8322 **Inside**
Press@RunDepth: **36.80 psig @ 4094.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.06.16** End Date: **2010.06.16** Last Calib.: **2010.06.16**
Start Time: **02:47:05** End Time: **09:40:59** Time On Btm: **2010.06.16 @ 04:29:30**
Time Off Btm: **2010.06.16 @ 07:37:45**

TEST COMMENT: IF: Built to 1 1/4 inch died back to 1 inch.
IS: No return.
FF: No blow.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2040.45	116.05	Initial Hydro-static
1	17.44	115.65	Open To Flow (1)
32	27.73	117.21	Shut-in(1)
94	1036.65	119.34	End Shut-in(1)
95	33.34	119.28	Open To Flow (2)
123	36.80	121.48	Shut-in(2)
187	998.40	121.77	End Shut-in(2)
189	2020.77	120.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
29.00	SWCM 5%w 95% m	0.41
15.00	SWCO&M 20%o 5%w 75% m	0.21
1.00	CO 100% o	0.01
0.00	GP = 0	0.00

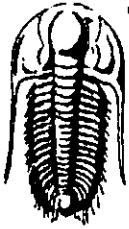
Gas Rates

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

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 30 2010

CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario
301 S Market
Wichita, KS 67202
ATTN: Vern Schrag

Thies Ranch #1-21
21-14s-31w Gove
Job Ticket: 37897 **DST#: 3**
Test Start: 2010.06.16 @ 02:47:05

Mud and Cushion Information

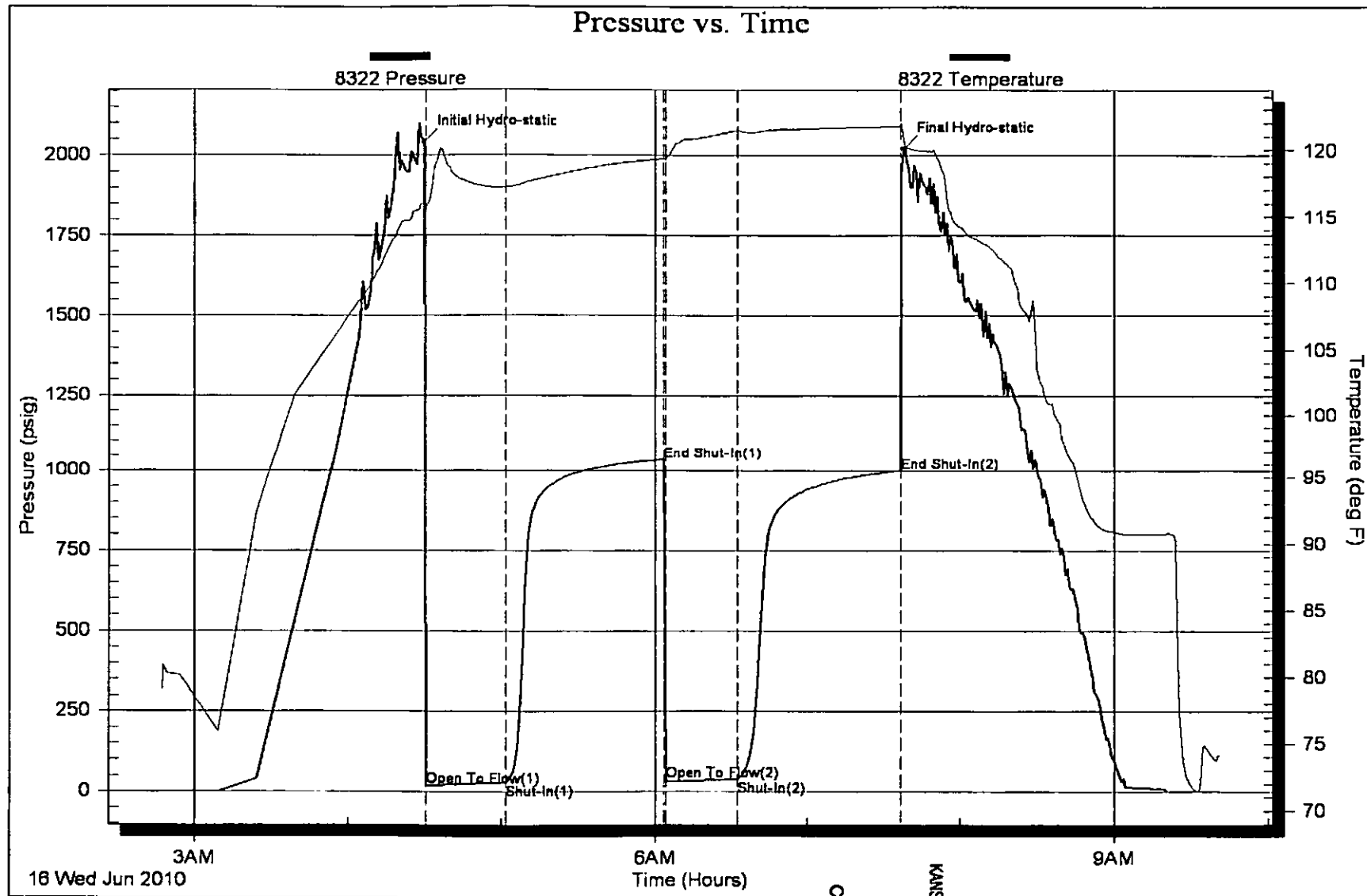
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
29.00	SWCM 5%w 95%m	0.407
15.00	SWCO&M 20%o 5%w 75%m	0.210
1.00	CO 100%o	0.014
0.00	GP = 0	0.000

Total Length: 45.00 ft Total Volume: 0.631 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



RECEIVED
 KANSAS CORPORATION COMMISSION
 JUN 30 2010
 CONSERVATION DIVISION
 WICHITA, KS

KCC

JUN 29 2010



TRIOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario
301 S Market
Wichita, KS 67202
ATTN: Vern Schrag

Thies Ranch #1-21
21-14s-31w Gove
Job Ticket: 37896 DST#: 2
Test Start: 2010.06.15 @ 09:01:05

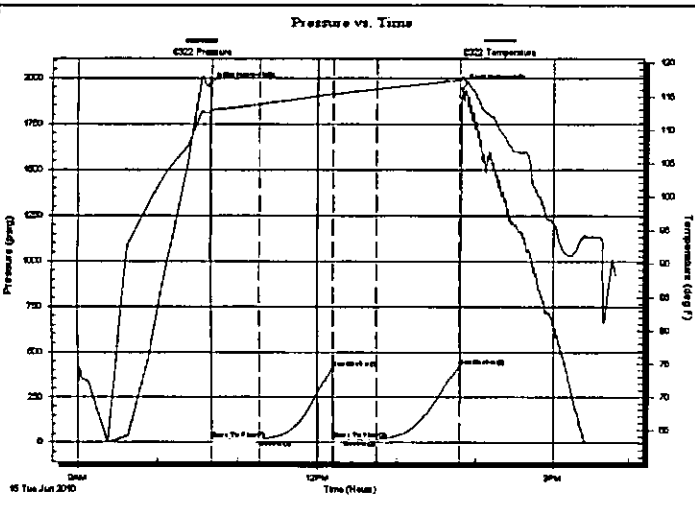
CONFIDENTIAL

GENERAL INFORMATION:

Formation: I Zone
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:40:45
Time Test Ended: 15:50:14
Interval: 4038.00 ft (KB) To 4065.00 ft (KB) (TVD)
Total Depth: 4065.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Brandon Dorsch
Unit No: 48
Reference Elevations: 2781.00 ft (KB)
2776.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8322 **Inside**
Press@RunDepth: 18.00 psig @ 4039.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.06.15 End Date: 2010.06.15 Last Calib.: 2010.06.15
Start Time: 09:01:05 End Time: 15:50:14 Time On Btm: 2010.06.15 @ 10:38:45
Time Off Btm: 2010.06.15 @ 13:49:59

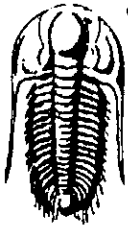
TEST COMMENT: IF: Surface blow died in 12 mins.
IS: No return.
FF: No blow.
FS: No return.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1958.29	112.58	Initial Hydro-static
2	16.40	112.47	Open To Flow (1)
38	17.98	113.77	Shut-In(1)
93	408.07	115.34	End Shut-In(1)
94	18.73	115.28	Open To Flow (2)
126	18.00	116.05	Shut-In(2)
189	418.34	117.35	End Shut-In(2)
192	1945.78	117.92	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
3.00	Mw / O spots 100% m	0.04
0.00	GP = 0	0.00

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario
301 S Market
Wichita, KS 67202
ATTN: Vern Schrag

Thies Ranch #1-21
21-14s-31w Gove
Job Ticket: 37896 **DST#: 2**
Test Start: 2010.06.15 @ 09:01:05

Mud and Cushion Information

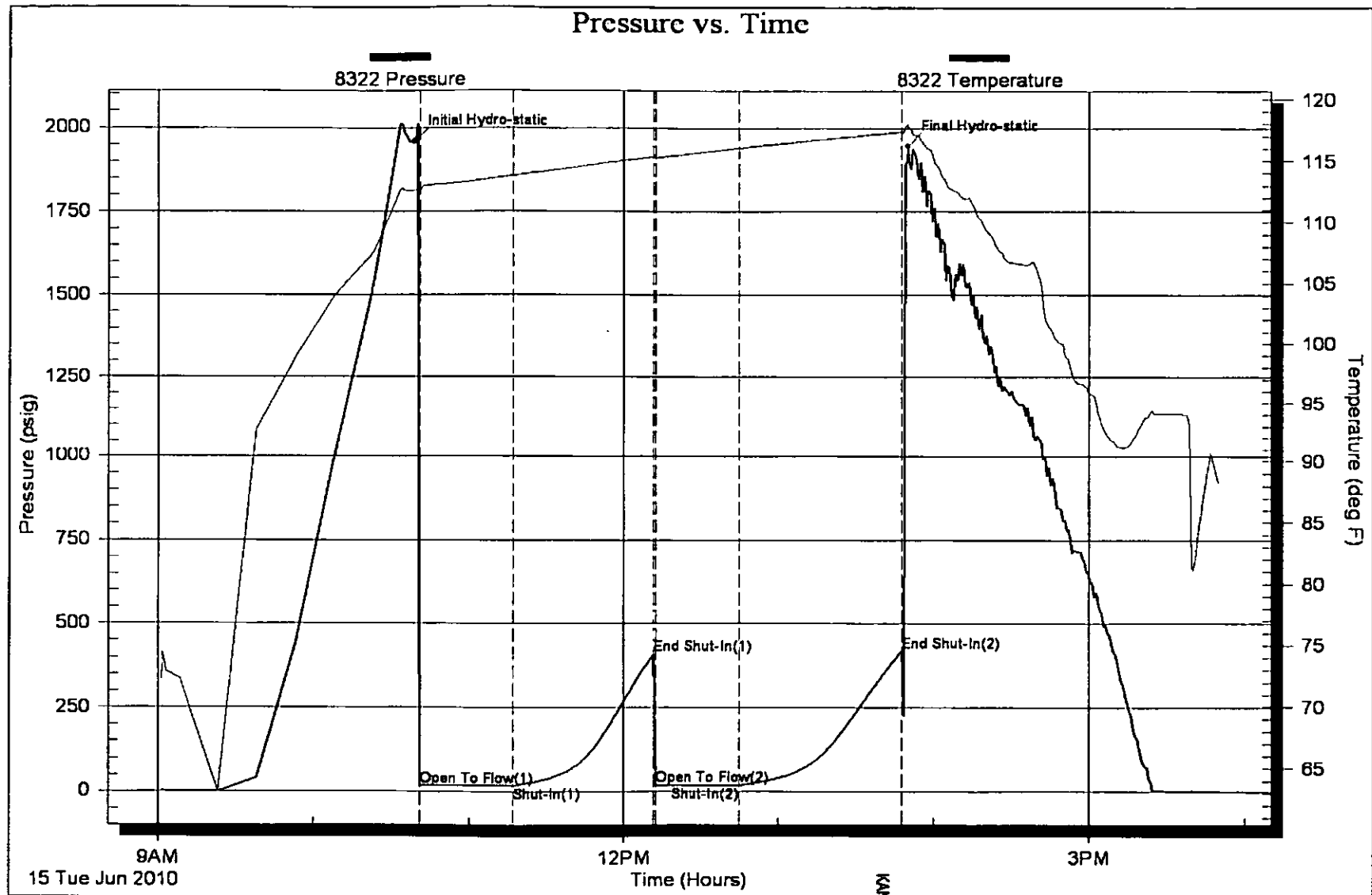
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.55 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3300.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

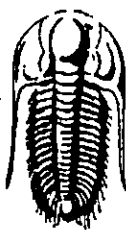
Recovery Table

Length ft	Description	Volume bbl
3.00	Mw / O spots 100% m	0.042
0.00	GIP = 0	0.000

Total Length: 3.00 ft Total Volume: 0.042 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



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WICHITA, KS



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario
301 S Market
Wichita, KS 67202
ATTN: Vern Schrag

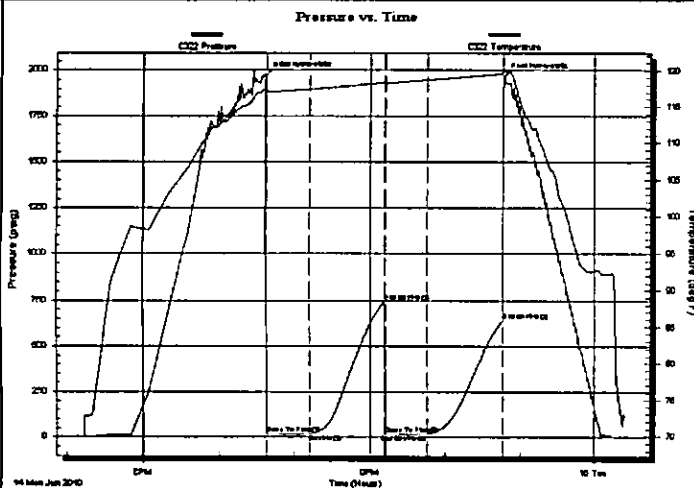
Thies Ranch #1-21
21-14s-31w Gove
Job Ticket: 37895 DST#: 1
Test Start: 2010.06.14 @ 17:13:05

GENERAL INFORMATION:

Formation: **H Zone**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 19:37:30
Time Test Ended: 00:24:44
Interval: **4000.00 ft (KB) To 4030.00 ft (KB) (TVD)**
Total Depth: **4030.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **Brandon Domsch**
Unit No: **48**
Reference Elevations: **2781.00 ft (KB)**
2776.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 8322 **Inside**
Press@RunDepth: **16.90 psig @ 4001.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.06.14** End Date: **2010.06.15** Last Calib.: **2010.06.15**
Start Time: **17:13:05** End Time: **00:24:44** Time On Btm: **2010.06.14 @ 19:37:00**
Time Off Btm: **2010.06.14 @ 22:47:30**

TEST COMMENT: IF: Surface blow died in 5 mins.
IS: No return.
FF: No blow.
FS: No return.



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1969.27	117.52	Initial Hydro-static
1	16.31	117.20	Open To Flow (1)
36	16.90	117.43	Shut-in(1)
95	743.45	118.42	End Shut-in(1)
95	18.25	118.28	Open To Flow (2)
129	17.92	118.77	End Shut-in(2)
190	636.96	119.56	End Shut-in(3)
191	1963.56	119.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mw / O spots 100%rn	0.01
0.00	GP = 0	0.00

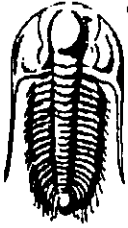
Gas Rates

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

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CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario
301 S Market
Wichita, KS 67202
ATTN: Vern Schrag

Thies Ranch #1-21
21-14s-31w Gove
Job Ticket: 37895 **DST#: 1**
Test Start: 2010.06.14 @ 17:13:05

Mud and Cushion Information

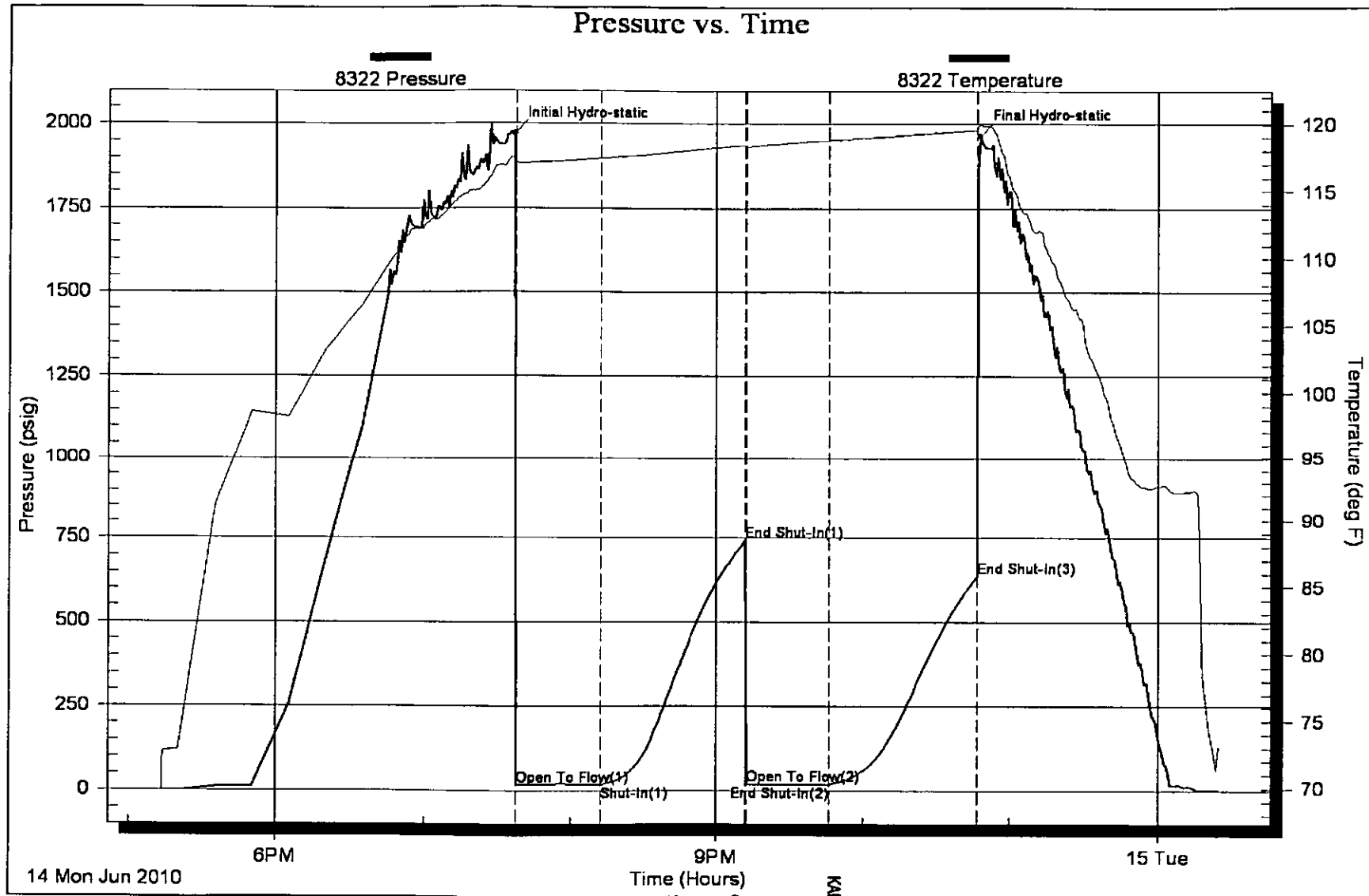
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.57 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3300.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Mw / O spots 100%m	0.014
0.00	GIP = 0	0.000

Total Length: 1.00 ft Total Volume: 0.014 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



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