



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1169859
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1169859

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Dearden Trust 2-5
Doc ID	1169859

Tops

Name	Top	Datum
Heebner	3910	-932
Lansing	3954	-976
Stark Shale	4223	-1245
Hushpuckney	4266	-1288
Base KC	4324	-1346
Mamaton	4350	-1372
Pawnee	4440	-1462
Ft. Scott	4460	-1482
Johnson	4540	-1562
Mississippian	4566	-1588
Spergen	4627	-1649



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 140145
Invoice Date: Dec 3, 2013
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	62161	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Dec 3, 2013	1/2/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Dearden Trust #2-5		
180.00	CEMENT MATERIALS	Class A Common	17.90	3,222.00
120.00	CEMENT MATERIALS	Pozmix	9.35	1,122.00
10.00	CEMENT MATERIALS	Gel	23.40	234.00
75.00	CEMENT MATERIALS	Flo Seal	2.97	222.75
322.20	CEMENT SERVICE	Cubic Feet Charge	2.48	799.06
672.50	CEMENT SERVICE	Ton Mileage Charge	2.60	1,748.50
1.00	CEMENT SERVICE	Plug to Abandon	2,483.59	2,483.59
50.00	CEMENT SERVICE	Pump Truck Mileage	7.70	385.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	EQUIPMENT OPERATOR	Paul Beaver		
1.00	EQUIPMENT OPERATOR	Tyler Flipse		
1.00	OPERATOR ASSISTANT	Chris Helpingstine		

Drilling
AFE-13-360
CK 12/16/13

al
ke

DEC 14 2013

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

\$ 3,131.07

ONLY IF PAID ON OR BEFORE
Dec 28, 2013

Subtotal	10,436.90
Sales Tax	850.61
Total Invoice Amount	11,287.51
Payment/Credit Applied	
TOTAL	11,287.51



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 139939
Invoice Date: Nov 22, 2013
Page: 1

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

*Deardon Trust 2-5
drilling / surface pipe
12-2-13 LK*

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	61193	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Nov 22, 2013	12/22/13

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Deardon Trust #2-5	17.90	4,027.50
225.00	CEMENT MATERIALS	Class A Common	64.00	512.00
8.00	CEMENT MATERIALS	Chloride	2.48	582.55
234.90	CEMENT SERVICE	Cubic Feet	2.60	1,404.00
540.00	CEMENT SERVICE	Ton Mileage	1,512.25	1,512.25
1.00	CEMENT SERVICE	Surface	7.70	385.00
50.00	CEMENT SERVICE	Pump Truck Mileage	4.40	220.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	67.50	67.50
1.00	EQUIPMENT SALES	8-5/8 Wooden Plug		
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	OPERATOR ASSISTANT	Kevin Ryan		

Handwritten signatures and stamps:
 YC
 DEC 4 2013
 JS

Subtotal	8,710.80
Sales Tax	375.47
Total Invoice Amount	9,086.27
Payment/Credit Applied	
TOTAL	9,086.27

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

\$ 2,613.24

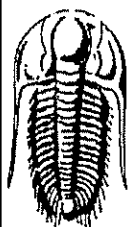
ONLY IF PAID ON OR BEFORE
Dec 17, 2013



Date	11/21/13
Service Point:	Oakley
Manager	Terry Heinrich
Address	P.O. Box 27
	Oakley, KS 67748
Business Phone	785-672-3452
E-mail	terry.heinrich@allied.com
Mobile	785-673-9376

			Well Data				
Company	Lario Oil & Gas Company	Prepared For:	Jay Schwelkert	Open Hole	12 1/4"	Depth	340
Address	301 S. Market	Title:	Oper's, Eng.			I.D.	12.25
Address	Wichita Kansas, 67202	Business Phone:	316-265-5611			Job Excess	100
Well Name	DeArden Trust	E-mail:	jschwelkert@lariooil.com	Casing Size	8 5/8"	Depth	340
Lease	# 2-53	Mobile Phone:				O.D.	8.6875
Field		Prepared By:	Neal Rupp			I.D.	7.825
County	Scott	Title:	Sales & Field Operation Mang.			Casing Weight	24
State	Kansas	Business Phone:	316-260-3368			Thread	STC
Section	5	E-mail:	neal.rupp@alliedservices.com			Grade	1-55
Township	19S	Mobile Phone:	316-250-7057				
Range	31W	Rig Contractor	Pickrell				
API Number		Rig Name	Rig # 10				
Proposal Title:	Surface Casing	Rig Phone					

	Units	UOM	Cost per Unit	Total	Unit	
					Net	Net
CJMN - Casing Pump Charge 0 to 300'	1.00	(for 6 hours)	\$1,512.25	\$ 1,512.25	\$ 1,058.58	\$1,058.58
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
Subtotal				\$ 1,512.25		\$1,058.58
Wooden Plug	1.00	Each	\$67.50	\$ 67.50	\$ 67.50	\$67.50
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
Subtotal				\$ 67.50		\$67.50
CAC - CLASS A COMMON	225.00	per sack	\$17.90	\$ 4,027.50	\$ 12.53	\$2,819.25
CACL - Calcium Chloride	7.00	per sack	\$64.00	\$ 448.00	\$ 44.80	\$313.60
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
Subtotal				\$ 4,475.50		\$3,132.85
HDLG - Products handling service charge	234.90	per cu ft	\$2.48	\$ 582.55	\$ 1.74	\$407.79
DRVG - Drayage for products	540.00	ton mile	\$2.60	\$ 1,404.00	\$ 1.82	\$982.80
MILV - Light Vehicle Mileage	50.00	per mile	\$4.40	\$ 220.00	\$ 3.08	\$154.00
MHVV - Heavy Vehicle Mileage	50.00	per mile	\$7.70	\$ 385.00	\$ 5.39	\$269.50
Subtotal				\$ 2,591.55		\$1,814.09
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
Subtotal				\$ 8,646.80		\$6,073.01
Totals:						
DISCOUNT: Operations			30.0%	(453.68)		
DISCOUNT: Equipment Sales			0.0%	0.00		
DISCOUNT: Products			30.0%	(1,342.65)		
DISCOUNT: Transport			30.0%	(777.47)		
DISCOUNT: OTHER			30.0%	0.00		
			Total:	(2,573.79)		



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company

5-19-31 Scott KS

301 S market st
Wichita, KS 67202

Dearden Trust 2-5

Job Ticket: 55578

DST#: 1

ATTN: Steve Davis

Test Start: 2013.11.28 @ 04:04:58

GENERAL INFORMATION:

Formation: **Lansing I- J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:13:28

Time Test Ended: 11:09:58

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 60

Interval: **4162.00 ft (KB) To 4210.00 ft (KB) (TVD)**

Reference Elevations: 2978.00 ft (KB)

Total Depth: 4210.00 ft (KB) (TVD)

2966.00 ft (CF)

Hole Diameter: inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: **8373**

Inside

Press@RunDepth: 31.63 psig @ 4163.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.28

End Date:

2013.11.28

Last Calib.: 2013.11.28

Start Time: 04:05:03

End Time:

11:09:57

Time On Btm: 2013.11.28 @ 06:12:28

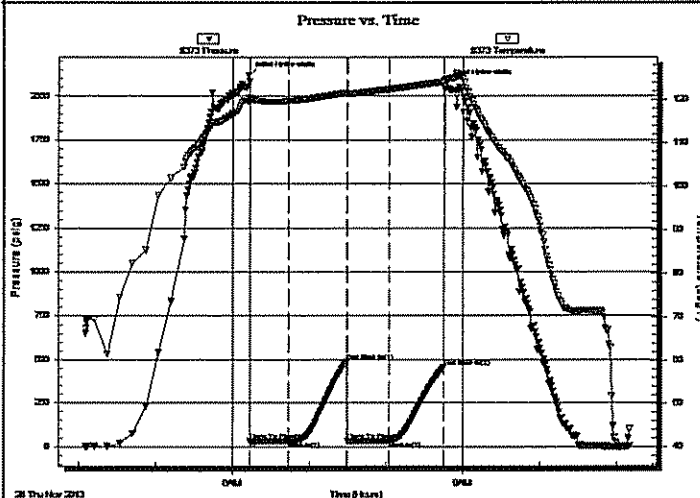
Time Off Btm: 2013.11.28 @ 08:46:58

TEST COMMENT: IF: Surface blow dled in 8 min.

IS: No return.

FF: No blow .

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2119.22	119.79	Initial Hydro-static
1	28.39	119.96	Open To Flow (1)
31	30.20	119.71	Shut-In(1)
77	485.61	121.54	End Shut-In(1)
78	30.72	121.30	Open To Flow (2)
110	31.63	122.38	Shut-In(2)
153	455.25	124.10	End Shut-In(2)
155	2075.33	124.86	Final Hydro-static

Recovery

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

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

5-19-31 Scott KS

301 S market st
Wichita, KS 67202

Dearden Trust 2-5

Job Ticket: 55578

DST#: 1

ATTN: Steve Davis

Test Start: 2013.11.28 @ 04:04:58

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: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 5.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	mud 100% _m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbf

Num Fluid Samples: 0

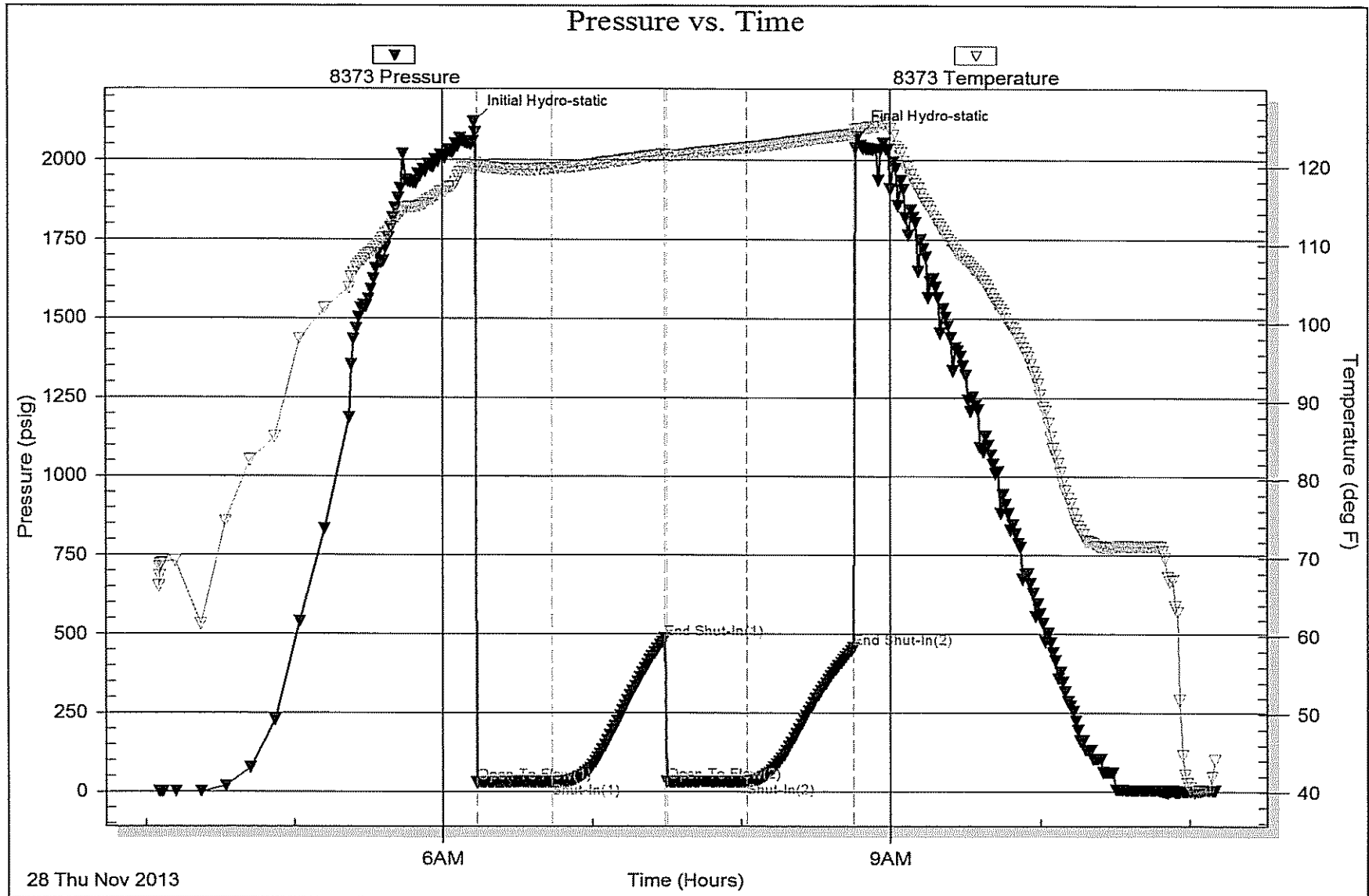
Num Gas Bombs: 0

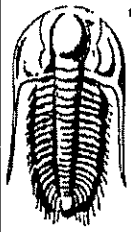
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

5-19-31 Scott KS

301 S market st
Wichita, KS 67202

Dearden Trust 2-5

ATTN: Steve Davis

Job Ticket: 55579

DST#: 2

Test Start: 2013.11.28 @ 21:40:48

GENERAL INFORMATION:

Formation: **Lansing K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:32:48

Time Test Ended: 05:58:48

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: 4220.00 ft (KB) To 4240.00 ft (KB) (TVD)

Total Depth: 4240.00 ft (KB) (TVD)

Hole Diameter: inches Hole Condition: Good

Reference Elevations: 2978.00 ft (KB)

2966.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8356

Outside

Press@RunDepth: 108.35 psig @ 4221.00 ft (KB)

Start Date: 2013.11.28

End Date:

2013.11.29

Start Time: 21:40:53

End Time:

05:58:47

Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2013.11.29 @ 00:32:18

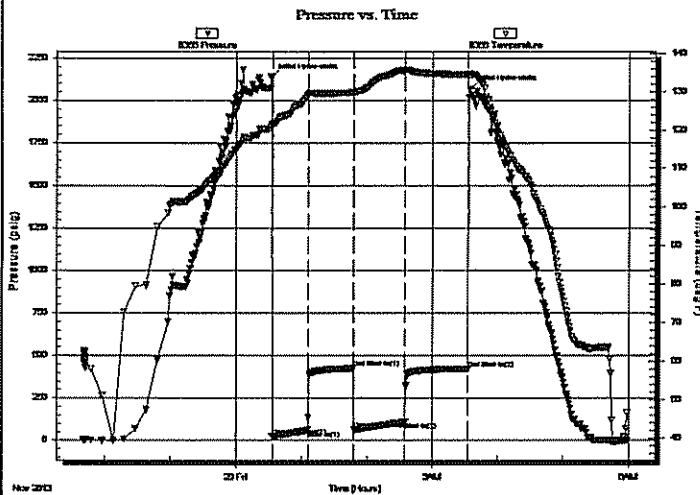
Time Off Btm:

TEST COMMENT: IF: 1/4 blow built to 2 1/2.

IS: No return.

FF: Surface blow built to 4 1/2.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2139.52	121.56	Initial Hydro-static
1	23.76	121.50	Open To Flow (1)
33	61.19	129.20	Shut-In(1)
75	425.71	129.79	End Shut-In(1)
76	62.53	129.75	Open To Flow (2)
123	108.35	135.66	Shut-In(2)
181	424.05	134.39	End Shut-In(2)
183	2070.39	134.19	Initial Hydro-static

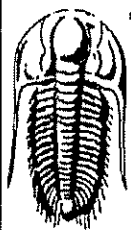
Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw 70%w 30%m	0.61
72.00	wcm 40%w 60%m	0.35

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

5-19-31 Scott KS

301 S market st
Wichita, KS 67202

Dearden Trust 2-5

Job Ticket: 55579

DST#: 2

ATTN: Steve Davis

Test Start: 2013.11.28 @ 21:40:48

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:

16000 ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbf

Water Loss: 5.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
124.00	mcw 70%w 30%m	0.610
72.00	w cm 40%w 60%m	0.354

Total Length: 196.00 ft Total Volume: 0.964 bbf

Num Fluid Samples: 0

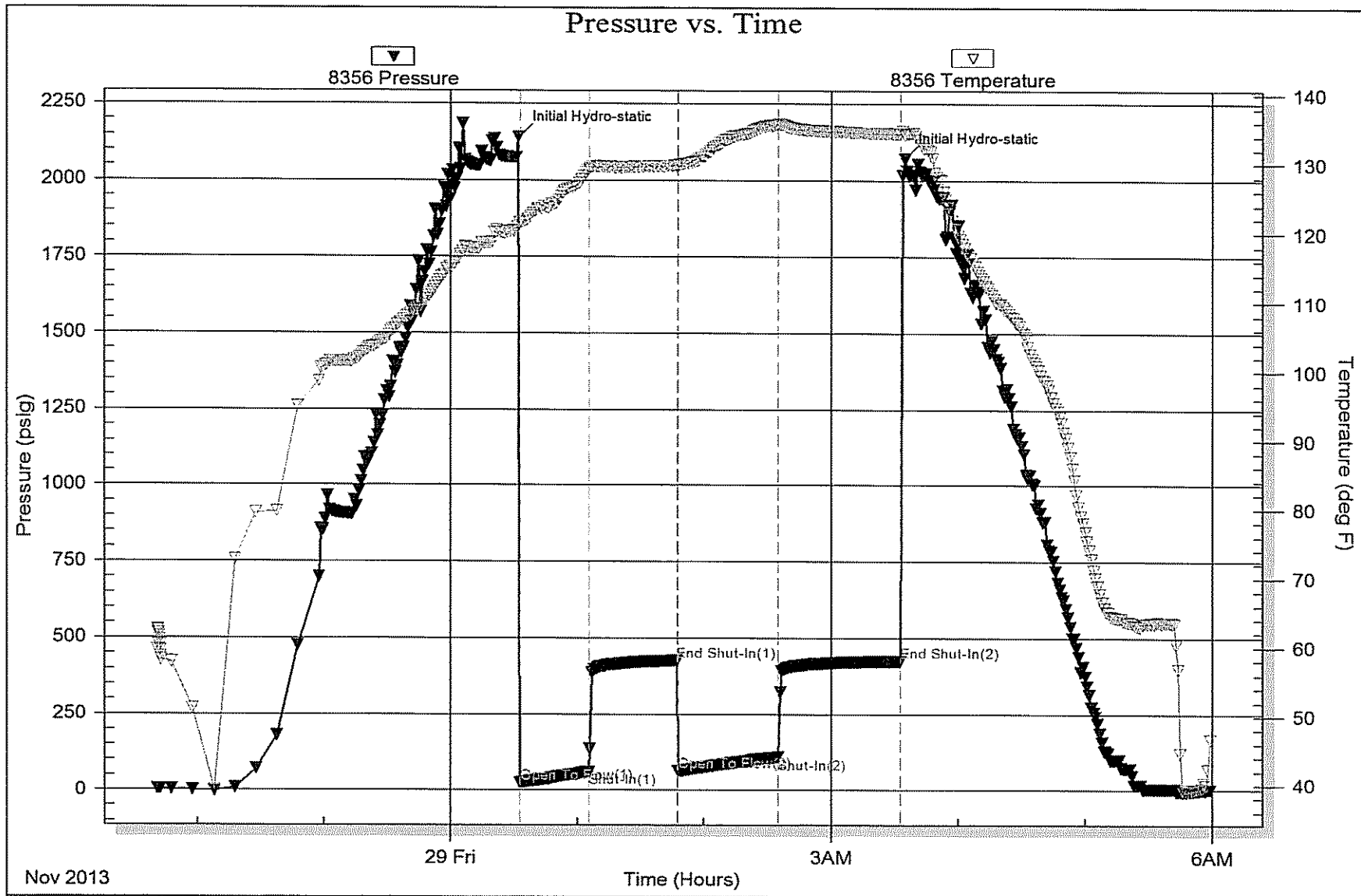
Num Gas Bombs: 0

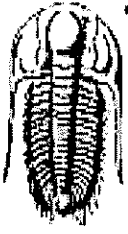
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .46@65=16000





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

5-19-31 Scott KS

301 S market st
Wichita, KS 67202

Dearden Trust 2-5

Job Ticket: 55580

DST#: 3

ATTN: Steve Davis

Test Start: 2013.11.29 @ 19:19:49

GENERAL INFORMATION:

Formation: **Lansing L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:34:49

Time Test Ended: 02:37:19

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: 4294.00 ft (KB) To 4315.00 ft (KB) (TVD)

Reference Elevations: 2978.00 ft (KB)

Total Depth: 4315.00 ft (KB) (TVD)

2966.00 ft (CF)

Hole Diameter: inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 8373

Inside

Press@RunDepth: 64.60 psig @ 4295.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.29

End Date:

2013.11.30

Last Calib.: 2013.11.30

Start Time: 19:19:54

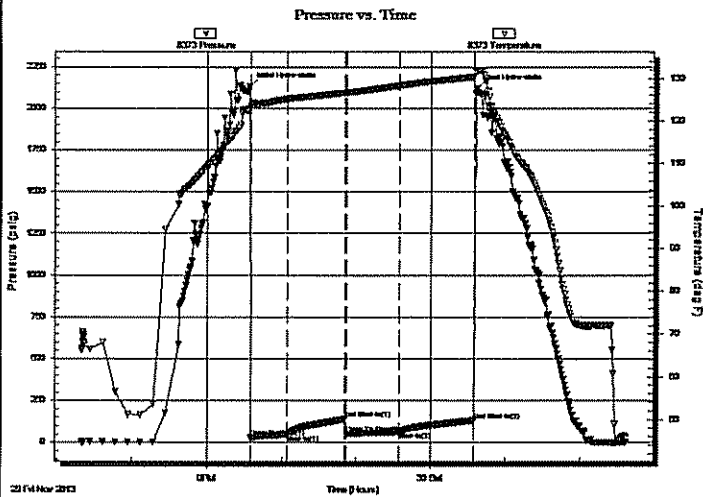
End Time:

02:37:18

Time On Btm: 2013.11.29 @ 21:33:49

Time Off Btm: 2013.11.30 @ 00:36:49

TEST COMMENT: IF: 1 blow built to 3 1/2.
IS: No return.
FF: Surface blow built to 3.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2132.20	122.82	Initial Hydro-static
1	28.14	123.69	Open To Flow (1)
30	48.04	125.16	Shut-In(1)
77	139.58	126.65	End Shut-In(1)
78	52.40	126.63	Open To Flow (2)
121	64.60	128.34	Shut-In(2)
181	131.81	130.38	End Shut-In(2)
183	2119.05	132.06	Final Hydro-static

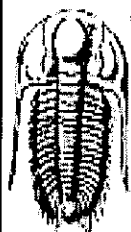
Recovery

Length (ft)	Description	Volume (bbl)
62.00	ocm 30%o 70%m	0.30
20.00	ocm 50%o 50%m	0.10
10.00	free oil 100%o	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

5-19-31 Scott KS

301 S market st
Wichita, KS 67202

Dearden Trust 2-5

Job Ticket: 55580

DST#: 3

ATTN: Steve Davis

Test Start: 2013.11.29 @ 19:19:49

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: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.40 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	ocm 30%o 70%m	0.305
20.00	ocm 50%o 50%m	0.098
10.00	free oil 100%o	0.049

Total Length: 92.00 ft Total Volume: 0.452 bbl

Num Fluid Samples: 0

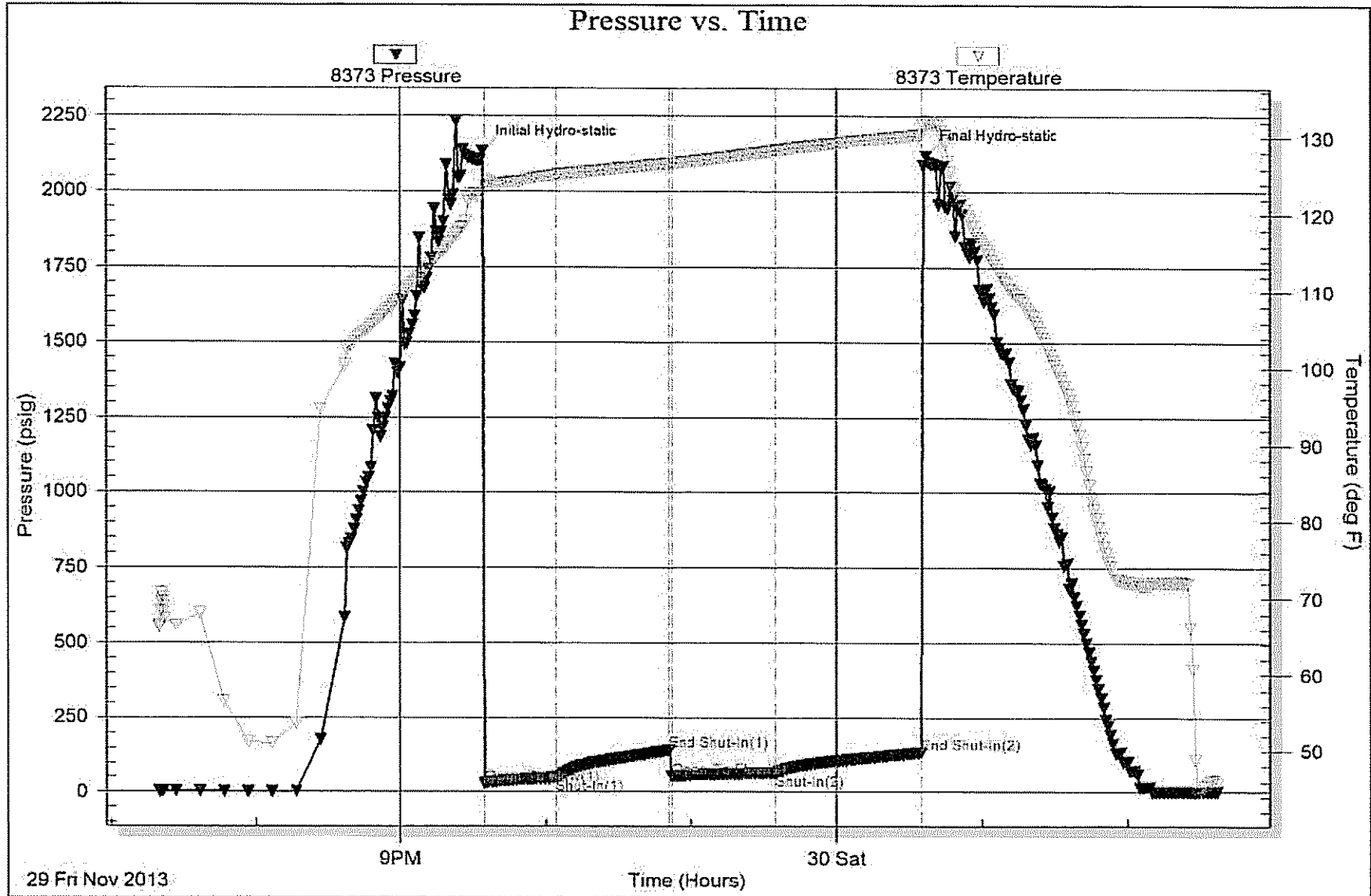
Num Gas Bombs: 0

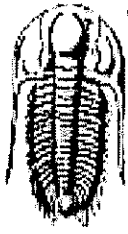
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Lario Oil & Gas Company

5-19-31 Scott KS

301 S market st
Wichita, KS 67202

Dearden Trust 2-5

Job Ticket: 55581

DST#: 4

ATTN: Steve Davis

Test Start: 2013.11.30 @ 16:59:47

GENERAL INFORMATION:

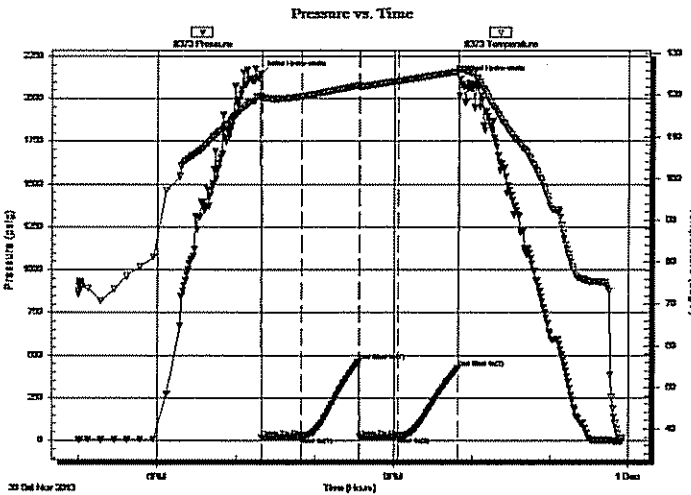
Formation: **Marmaton A&B**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:18:47
 Time Test Ended: 23:55:17
 Interval: **4318.00 ft (KB) To 4390.00 ft (KB) (TVD)**
 Total Depth: **4390.00 ft (KB) (TVD)**
 Hole Diameter: inches Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole (Reset)**
 Tester: **Brandon Turley**
 Unit No: **60**
 Reference Elevations: **2978.00 ft (KB)**
2966.00 ft (CF)
 KB to GR/CF: **12.00 ft**

Serial #: 8373

Inside

Press@RunDepth: 23.17 psig @ 4319.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.30 End Date: 2013.11.30 Last Calib.: 2013.11.30
 Start Time: 16:59:52 End Time: 23:55:16 Time On Btm: 2013.11.30 @ 19:17:47
 Time Off Btm: 2013.11.30 @ 21:50:47

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2144.75	119.78	Initial Hydro-static
1	18.56	119.47	Open To Flow (1)
32	21.10	119.67	Shut-In(1)
76	464.43	122.31	End Shut-In(1)
76	21.18	122.08	Open To Flow (2)
106	23.17	123.40	Shut-In(2)
152	424.10	125.66	End Shut-In(2)
153	2112.29	126.39	Final Hydro-static

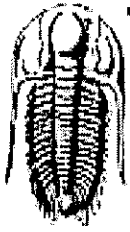
Recovery

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

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

5-19-31 Scott KS

301 S market st
Wichita, KS 67202

Dearden Trust 2-5

Job Ticket: 55581

DST#: 4

ATTN: Steve Davis

Test Start: 2013.11.30 @ 16:59:47

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: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

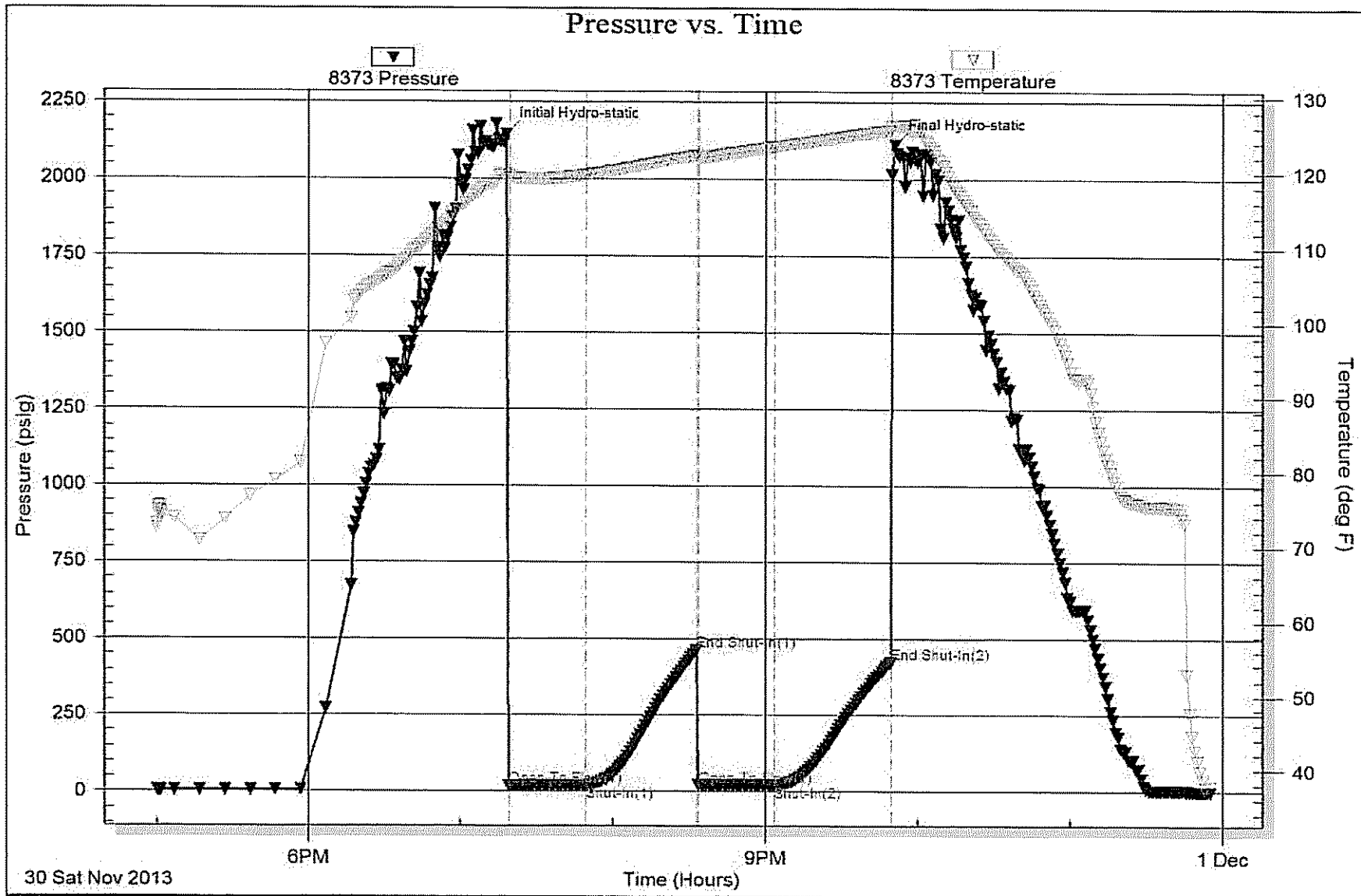
Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

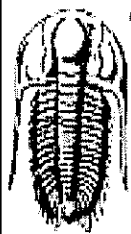
Total Length: 5.00 ft Total Volume: 0.025 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Lario Oil & Gas Company

5-19-31 Scott KS

301 S market st
Wichita, KS 67202

Dearden Trust 2-5

ATTN: Steve Davis

Job Ticket: 55582

DST#: 5

Test Start: 2013.12.01 @ 18:01:08

GENERAL INFORMATION:

Formation: **Pawnee Ft Scott Cher**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:16:08

Time Test Ended: 00:36:08

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: 4428.00 ft (KB) To 4504.00 ft (KB) (TVD)

Total Depth: 4504.00 ft (KB) (TVD)

Hole Diameter: inches Hole Condition: Good

Reference Elevations: 2978.00 ft (KB)

2966.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8373

Inside

Press@RunDepth: 24.86 psig @ 4429.00 ft (KB)

Start Date: 2013.12.01

End Date:

2013.12.02

Start Time: 18:01:13

End Time:

00:36:07

Capacity: 8000.00 psig

Last Calib.: 2013.12.02

Time On Btm: 2013.12.01 @ 20:14:38

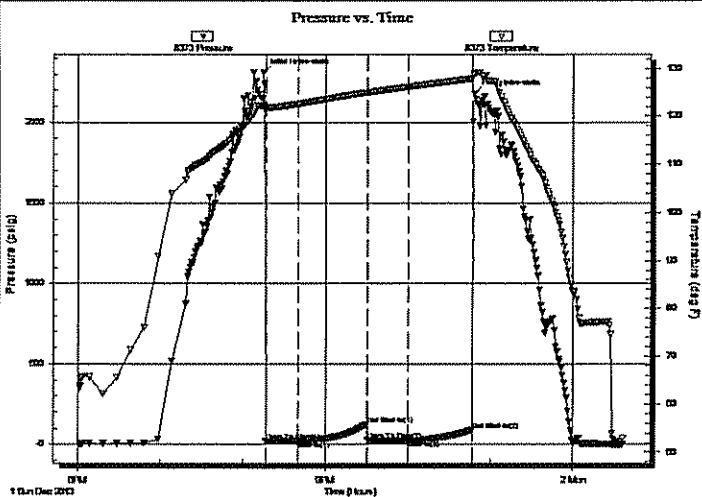
Time Off Btm: 2013.12.01 @ 22:48:08

TEST COMMENT: IF: 1/4 blow died in 15 min.

IS: No return.

FF: No blow.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2307.95	122.07	Initial Hydro-static
2	21.67	121.48	Open To Flow (1)
25	22.38	122.55	Shut-In(1)
75	122.60	125.00	End Shut-In(1)
76	24.47	124.96	Open To Flow (2)
105	24.86	126.16	Shut-In(2)
152	88.28	127.87	End Shut-In(2)
154	2178.97	128.90	Final Hydro-static

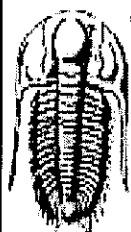
Recovery

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

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

5-19-31 Scott KS

301 S market st
Wichita, KS 67202

Dearden Trust 2-5

Job Ticket: 55582

DST#: 5

ATTN: Steve Davis

Test Start: 2013.12.01 @ 18:01:08

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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100% _m	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:

