



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1172748
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: _____

1172748

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Feiertag A 10-15
Doc ID	1172748

Tops

Name	Top	Datum
Heebner	3819	-850
Lansing	3867	-898
Stark	4160	-1191
Hushpuckney	4215	-1246
Base KC	4287	-1318
Marmaton	4314	-1345
Pawnee	4391	-1422
Ft. Scott	4413	-1444
Johnson	4501	-1532
Morrow	4577	-1608
Mississippian	4595	-1626



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 # 264741

Invoice Date: 12/16/2013 Terms: 15/15/30,n/30

Page 1

LARIO OIL & GAS
P.O. BOX 1093
GARDEN CITY KS 67846
(316)265-5611

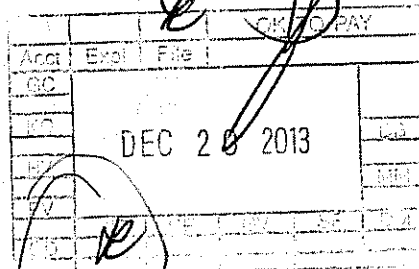
FEIERTAG 'A' 10-15
38131
15-19S-33W
12-11-2013
KS

Drilling
AFE-13-270
CK 12/12/13

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	265.00	18.5500	4915.75
1102	CALCIUM CHLORIDE (50#)	747.00	.9400	702.18
1118B	PREMIUM GEL / BENTONITE	498.00	.2700	134.46
4432	8 5/8" WOODEN PLUG	1.00	100.7500	100.75
1111	SODIUM CHLORIDE (GRANULA	100.00	.0000	.00

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-877.97
9995-130	CEMENT EQUIPMENT DISCOUNT	-334.86

Description	Hours	Unit Price	Total
463 CEMENT PUMP (SURFACE)	1.00	1150.00	1150.00
463 EQUIPMENT MILEAGE (ONE WAY)	40.00	5.25	210.00
693 TON MILEAGE DELIVERY	1.00	872.40	872.40

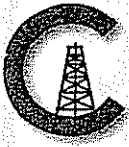


Amount Due 8562.57 if paid after 01/15/2014

Parts:	5853.14	Freight:	.00	Tax:	405.48	AR	7278.19
Labor:	.00	Misc:	.00	Total:	7278.19		
Sublt:	-1212.83	Supplies:	.00	Change:	.00		

Signed _____

Date _____



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 # 265090

Invoice Date: 12/31/2013 Terms: 15/15/30,n/30

Page 1

LARIO OIL & GAS
P.O. BOX 1093
GARDEN CITY KS 67846
(316)265-5611

FEIERTAG A 10-15

38124
15-19S-33W
12-30-2013
KS

*Drilling AFE 13-270
long string
1-6-14 LK*

Part Number	Description	Qty	Unit Price	Total
1126	OIL WELL CEMENT	260.00	23.7000	6162.00
1110A	KOL SEAL (50# BAG)	1300.00	.5600	728.00
1131	60/40 POZ MIX	540.00	15.8600	8564.40
1118B	PREMIUM GEL / BENTONITE	3715.00	.2700	1003.05
1107	FLO-SEAL (25#)	135.00	2.9700	400.95
4104	CEMENT BASKET 5 1/2"	1.00	290.0000	290.00
4130	CENTRALIZER 5 1/2"	16.00	61.0000	976.00
4159	FLOAT SHOE AFU 5 1/2"	1.00	433.7500	433.75
4283	DV TOOL W/ LATCH DOWN	1.00	4900.0000	4900.00
4454	5 1/2" LATCH DOWN PLUG	1.00	567.0000	567.00
1144G	MUD FLUSH (SALE)	500.00	1.0000	500.00
1111	SODIUM CHLORIDE (GRANULA)	200.00	.0000	.00

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-3678.77
9995-130	CEMENT EQUIPMENT DISCOUNT	-879.87

Description	Hours	Unit Price	Total
399 SINGLE PUMP	1.00	3175.00	3175.00
399 EQUIPMENT MILEAGE (ONE WAY)	40.00	5.25	210.00
T-127 TON MILEAGE DELIVERY	1.00	1240.40	1240.40
T-129 TON MILEAGE DELIVERY	1.00	1240.40	1240.40

Handwritten signature and date stamp
JAN 7 2014

Amount Due 32389.75 if paid after 01/30/2014

Parts:	24525.15	Freight:	.00	Tax:	1698.98	AR	27531.29
Labor:	.00	Misc:	.00	Total:	27531.29		
Sublt:	-4558.64	Supplies:	.00	Change:	.00		

Signed _____ Date _____



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Co.
301 S Market St.
Wichita KS 67202
ATTN: Bob Bayer

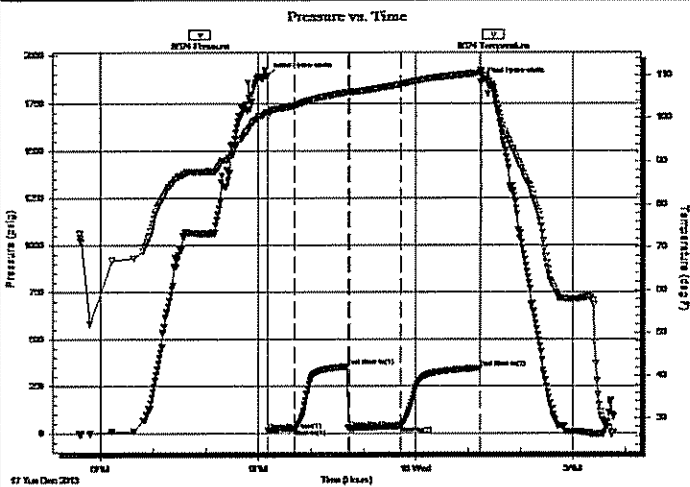
15-19s-33w Scott Co. KS
Feiertag A #10-15
Job Ticket: 53299 DST#: 1
Test Start: 2013.12.17 @ 17:36:00

GENERAL INFORMATION:

Formation: LKC "B"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:10:40
Time Test Ended: 03:46:40
Interval: 3914.00 ft (KB) To 3940.00 ft (KB) (TVD)
Total Depth: 3940.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Will MacLean
Unit No: 58
Reference Elevations: 2969.00 ft (KB)
2960.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8674 Inside
Press@RunDepth: 40.10 psig @ 3915.00 ft (KB)
Start Date: 2013.12.17 End Date: 2013.12.18
Start Time: 17:36:00 End Time: 03:46:40
Capacity: 8000.00 psig
Last Calib.: 2013.12.18
Time On Btm: 2013.12.17 @ 21:10:25
Time Off Btm: 2013.12.18 @ 01:14:24

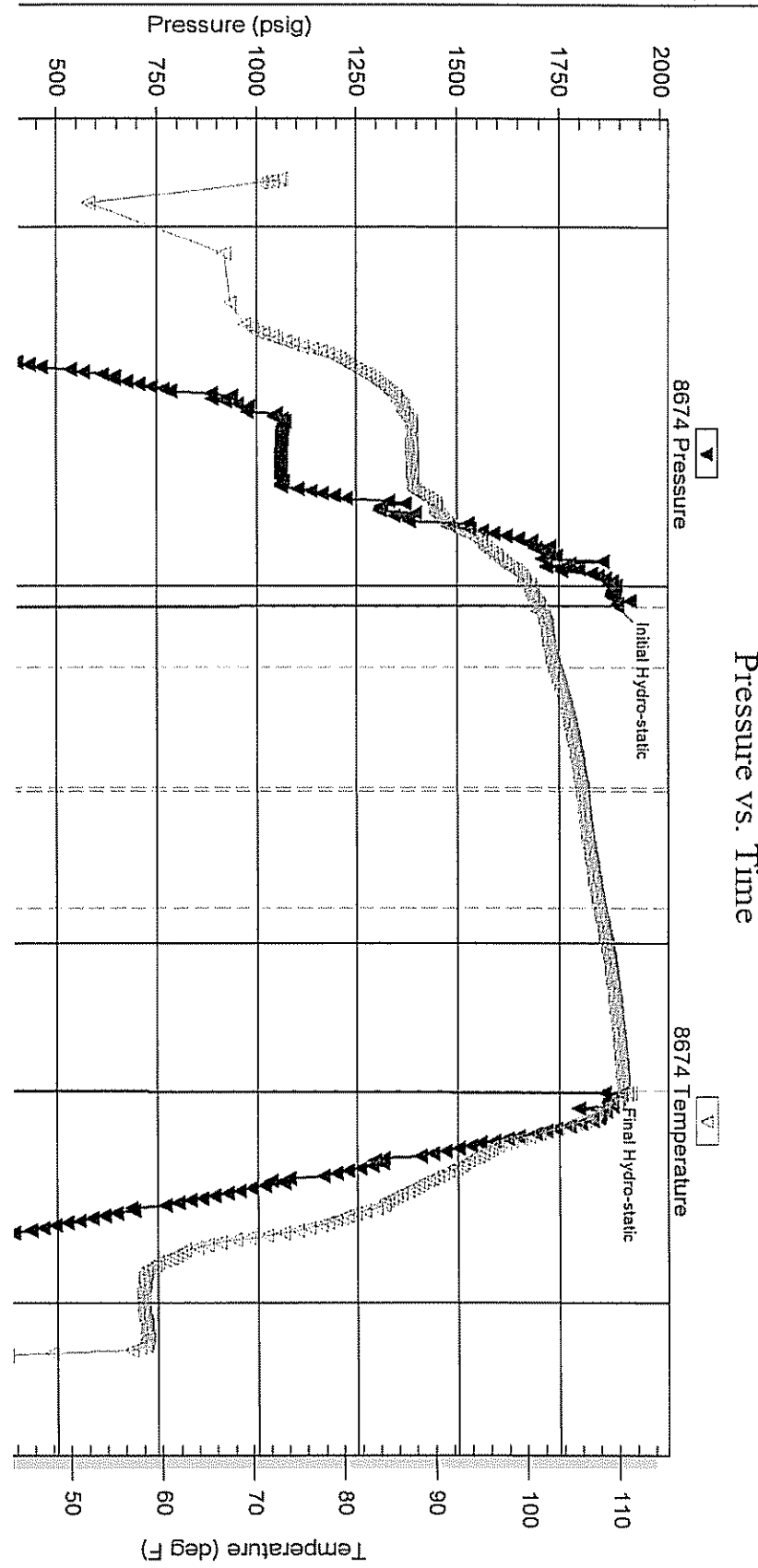
TEST COMMENT: IF- Weak Surface Blow Built to 2 1/4"
IS- No Blow
FF- Weak Surface Blow Built to 4"
FS- No Blow
Was going to test the LKC "A " when we got on bank the Hole was blowing out gas so they went back to bottom and drilled to the LKC " B "



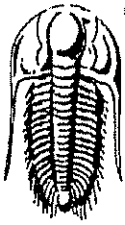
PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1894.35	101.40	Initial Hydro-static
1	16.83	100.32	Open To Flow (1)
31	28.33	102.97	Shut-In(1)
92	355.30	105.99	End Shut-In(1)
94	27.30	106.06	Open To Flow (2)
152	40.10	107.84	Shut-In(2)
244	345.95	110.49	End Shut-In(2)
244	1860.84	111.10	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
62.00	GMCO 4%g 41%m 55%oil	0.60
10.00	GMCO 2%g 9%m 89%oil	0.14

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



Serial #: 8674 Inside Lario Oil & Gas Co. Feiertag A #10-15 DST Test Number: 1



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Co.
301 S Market St.
Wichita KS 67202
ATTN: Bob Bayer

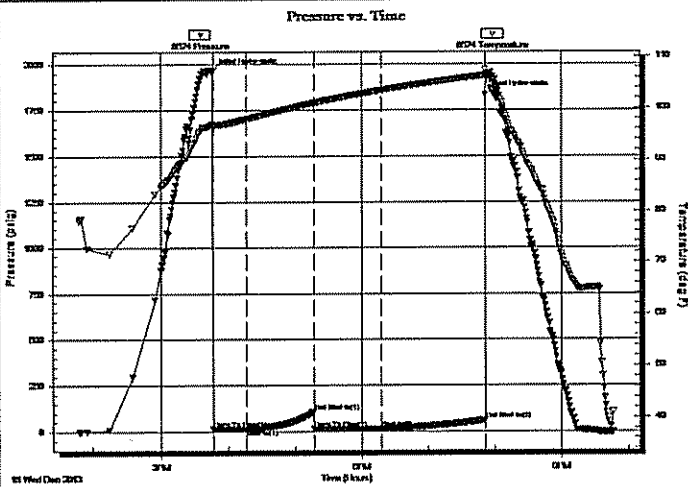
15-19s-33w Scott Co. KS
Feiertag A #10-15
Job Ticket: 53300 DST#: 2
Test Start: 2013.12.18 @ 13:48:00

GENERAL INFORMATION:

Formation: LKC "C"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:46:40
Time Test Ended: 21:46:24
Interval: 3942.00 ft (KB) To 3972.00 ft (KB) (TVD)
Total Depth: 3972.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Will MacLean
Unit No: 58
Reference Elevations: 2969.00 ft (KB)
2960.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8674 Inside
Press@RunDepth: 17.18 psig @ 3943.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.12.18 End Date: 2013.12.18
Start Time: 13:48:00 End Time: 21:46:24
Time On Blm: 2013.12.18 @ 15:46:25
Time Off Blm: 2013.12.18 @ 19:51:39

TEST COMMENT: IF- Weak Surface Blow
IS- No Blow
FF- No Blow
FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1962.71	96.79	Initial Hydro-static
1	14.67	95.78	Open To Flow (1)
30	16.26	97.88	Shut-In(1)
91	111.17	101.05	End Shut-In(1)
91	16.09	101.02	Open To Flow (2)
152	17.18	103.52	Shut-In(2)
245	62.65	106.40	End Shut-In(2)
246	1833.00	107.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	WOCM 2%w 3%oil 95% m	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co.

15-19s-33w Scott Co. KS

301 S Market St.
Wichita KS 67202

Feiertag A #10-15

Job Ticket: 53300

DST#: 2

ATTN: Bob Bayer

Test Start: 2013.12.18 @ 13:48:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	WOCM 2%w 3%oil 95%m	0.010

Total Length:

2.00 ft

Total Volume:

0.010 bbl

Num Fluid Samples: 0

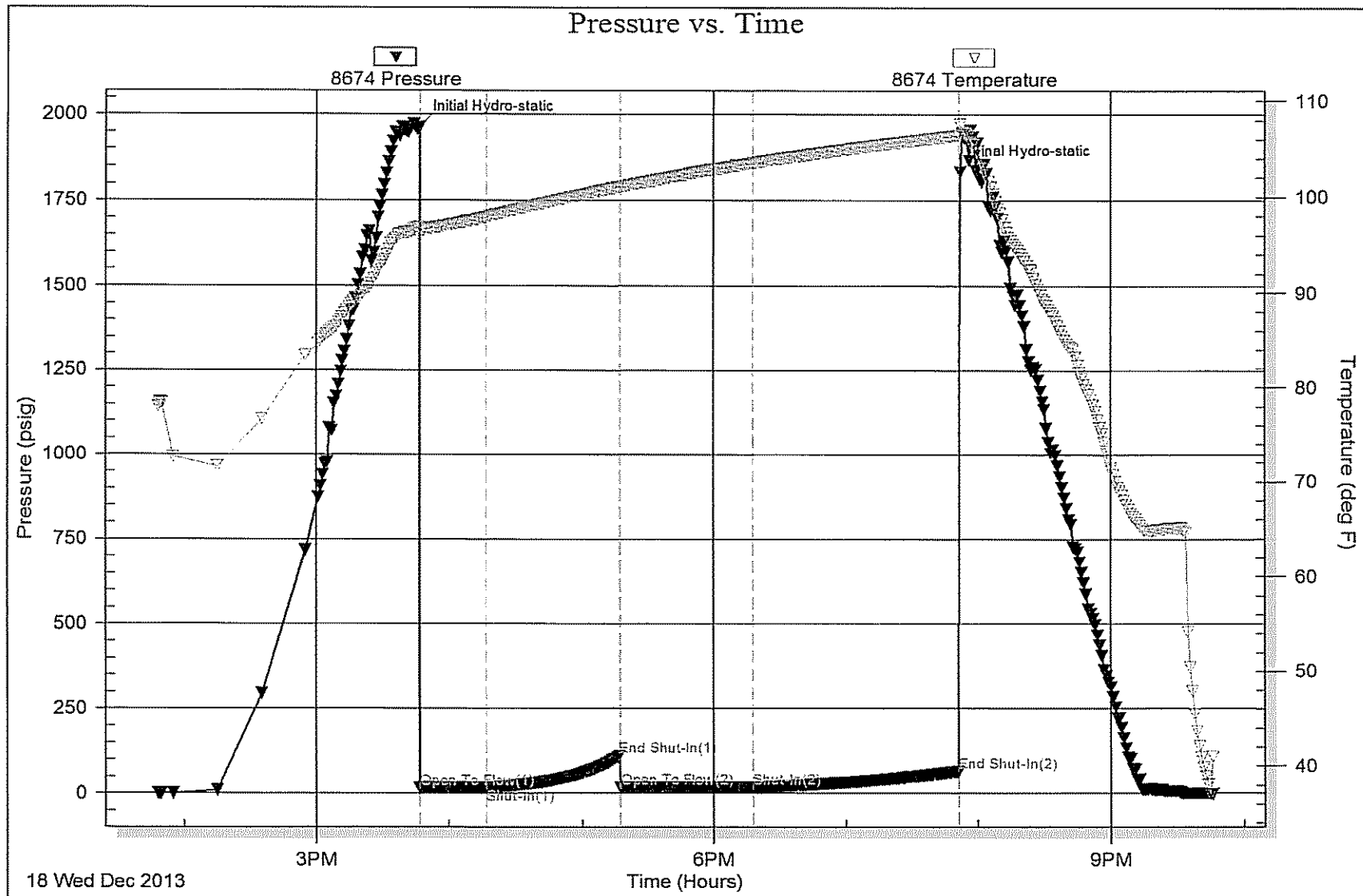
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Co.
301 S Market St.
Wichita KS 67202
ATTN: Bob Bayer

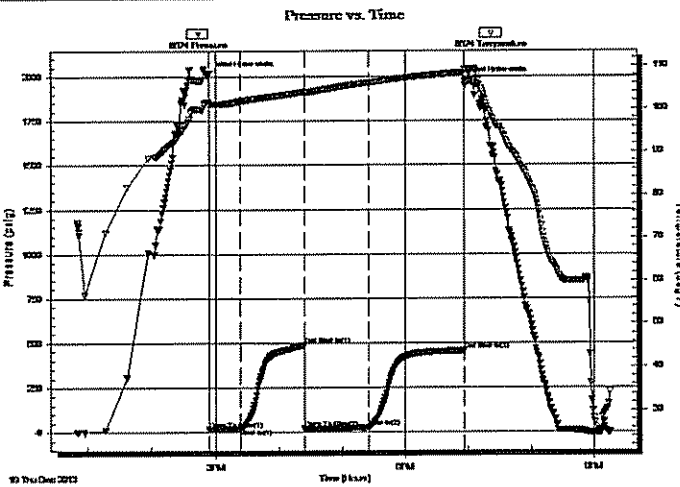
15-19s-33w Scott Co. KS
Feiertag A #10-15
Job Ticket: 50227 DST#: 3
Test Start: 2013.12.19 @ 12:50:00

GENERAL INFORMATION:

Formation: LKC "H"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:54:10
Time Test Ended: 21:16:09
Test Type: Conventional Bottom Hole (Reset)
Tester: Will MacLean
Unit No: 58
Interval: 4063.00 ft (KB) To 4097.00 ft (KB) (TVD)
Reference Elevations: 2969.00 ft (KB)
Total Depth: 4097.00 ft (KB) (TVD) 2960.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 9.00 ft

Serial #: 8674 Inside
Press@RunDepth: 26.82 psig @ 4064.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.12.19 End Date: 2013.12.19 Last Calib.: 2013.12.19
Start Time: 12:50:00 End Time: 21:16:09 Time On Btm: 2013.12.19 @ 14:53:40
Time Off Btm: 2013.12.19 @ 18:56:09

TEST COMMENT: IF- Weak Surface Blow Built to 1/2"
ISI- No Blow
FF- No Blow
FSI- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2013.24	101.61	Initial Hydro-static
1	17.37	100.94	Open To Flow (1)
30	20.48	101.83	Shut-In(1)
91	488.82	103.92	End Shut-In(1)
91	22.72	103.67	Open To Flow (2)
152	26.82	106.11	Shut-In(2)
242	455.03	108.46	End Shut-In(2)
243	1972.93	109.00	Final Hydro-static

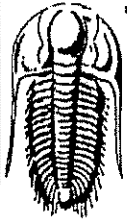
Recovery

Length (ft)	Description	Volume (bbl)
10.00	GOCM 2%g 12%oil 86% <i>m</i>	0.05
10.00	MCO 8% <i>m</i> 92%oil	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 Co.

15-19s-33w Scott Co. KS

301 S Market St.
Wichita KS 67202

Feiertag A #10-15

Job Ticket: 50227

DST#: 3

ATTN: Bob Bayer

Test Start: 2013.12.19 @ 12:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

26 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.40 in²

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
10.00	GOCM 2%g 12%oil 86%m	0.049
10.00	MCO 8%m 92%oil	0.049

Total Length: 20.00 ft Total Volume: 0.098 bbf

Num Fluid Samples: 0

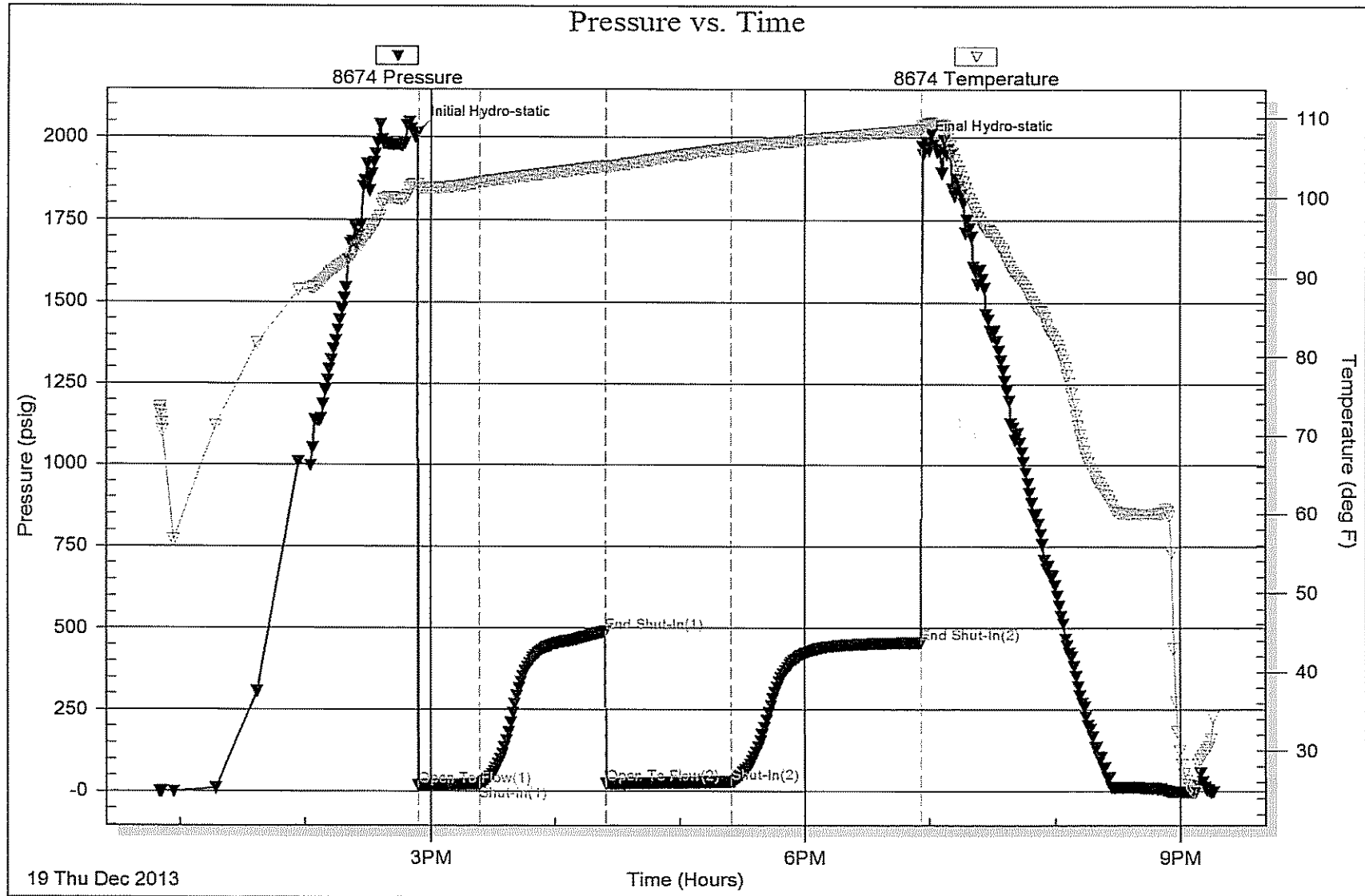
Num Gas Bombs: 0

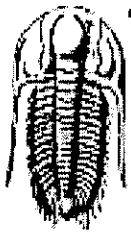
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API is 23 @ 30f = 26





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Lario Oil & Gas Co.
301 S Market St.
Wichita KS 67202
ATTN: Bob Bayer

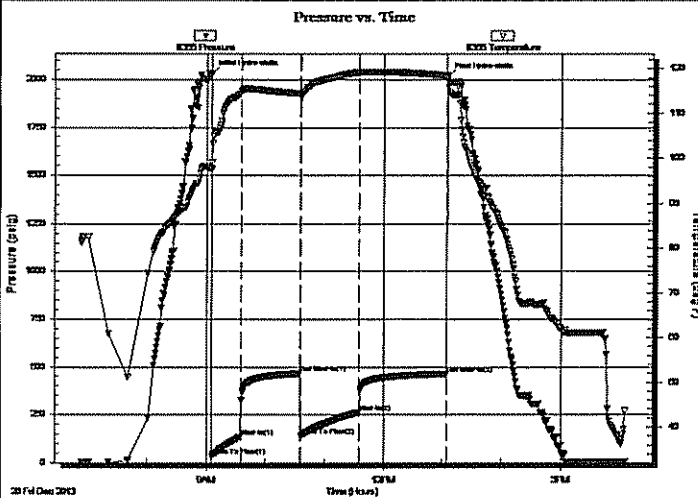
15-19s-33w Scott Co. KS
Feiertag A #10-15
Job Ticket: 54555 DST#: 4
Test Start: 2013.12.20 @ 06:54:00

GENERAL INFORMATION:

Formation: LKC "I"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:05:30
Time Test Ended: 16:04:45
Interval: 4098.00 ft (KB) To 4128.00 ft (KB) (TVD)
Total Depth: 4128.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Cornelio Landa III
Unit No: 58
Reference Elevations: 2969.00 ft (KB)
2960.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8355 Outside
Press@RunDepth: 262.79 psig @ 4099.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.12.20 End Date: 2013.12.20 Last Calib.: 2013.12.20
Start Time: 06:54:05 End Time: 16:04:45 Time On Btm: 2013.12.20 @ 09:05:15
Time Off Btm: 2013.12.20 @ 13:05:45

TEST COMMENT: IF: B.o.b. in 5 min.
IS: Bled off in 2 min.-Surface blow back after 15 min. shut in-built to 2 in. of blow back
FF: 3 in. Immediately- B.o.b. in 8 min.
FS: Bled off in 2 min.-Surface blow back after 10 min. shut in- built to 2 1/2 in. of blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2028.27	97.64	Initial Hydro-static
1	35.87	97.44	Open To Flow (1)
30	136.70	114.30	Shut-In(1)
90	466.38	114.36	End Shut-In(1)
91	141.17	114.11	Open To Flow (2)
150	262.79	119.13	Shut-In(2)
240	464.06	118.41	End Shut-In(2)
241	2014.94	117.48	Final Hydro-static

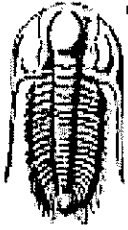
Recovery

Length (ft)	Description	Volume (bbl)
30.00	Gmco 20g 40m 40o	0.15
278.00	Cgo 40g 60o	3.90
372.00	Cgo 30g 70o	5.22
0.00	190' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co.
301 S Market St.
Wichita KS 67202
ATTN: Bob Bayer

15-19s-33w Scott Co. KS
Feiertag A #10-15
Job Ticket: 54555 DST#: 4
Test Start: 2013.12.20 @ 06:54:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 53.00 sec/qt
Water Loss: 6.39 in³
Resistivity: 0.00 ohm.m
Salinity: 3700.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 28 deg API
Water Salinity: ppm

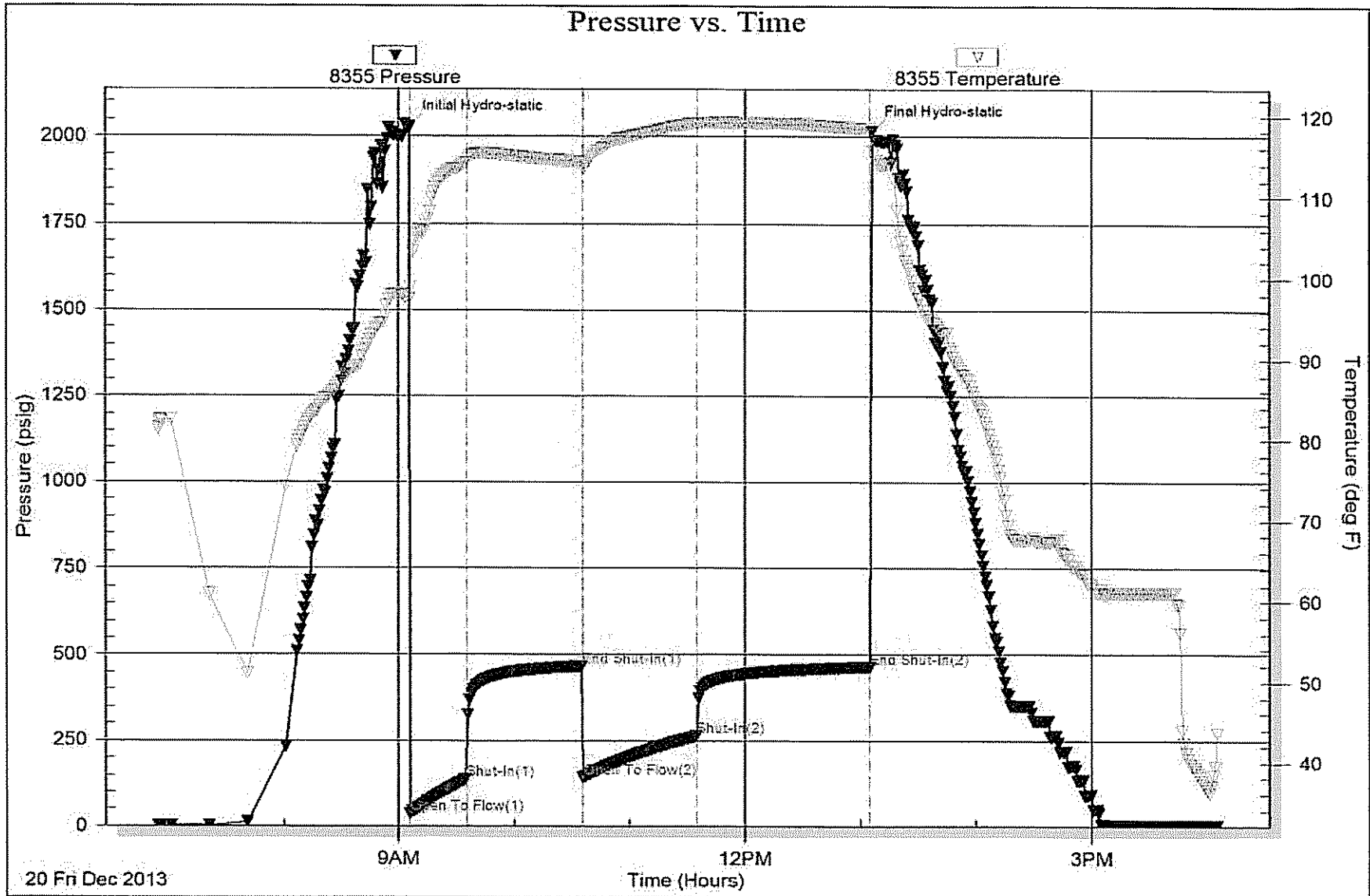
Recovery Information

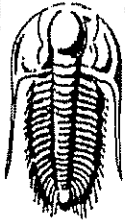
Recovery Table

Length ft	Description	Volume bbl
30.00	Gmco 20g 40m 40o	0.148
278.00	Cgo 40g 60o	3.900
372.00	Cgo 30g 70o	5.218
0.00	190' GIP	0.000

Total Length: 680.00 ft Total Volume: 9.266 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: Gravity=28





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Co.
 301 S Market St.
 Wichita KS 67202
 ATTN: Bob Bayer

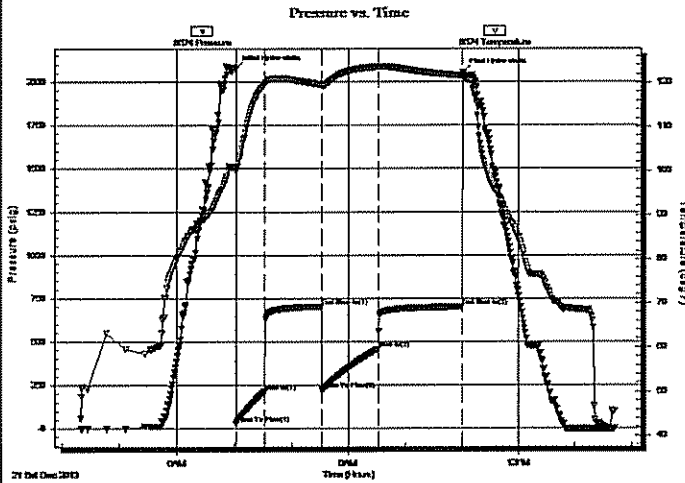
15-19s-33w Scott Co. KS
Feiertag A #10-15
 Job Ticket: 54556 DST#: 5
 Test Start: 2013.12.21 @ 04:20:00

GENERAL INFORMATION:

Formation: **Lansing "K"**
 Deviated: **No Whipstock:** ft (KB)
 Test Type: **Conventional Bottom Hole (Reset)**
 Time Tool Opened: **07:02:00**
 Tester: **Cornelio Landa III**
 Time Test Ended: **13:42:00**
 Unit No: **58**
 Interval: **4158.00 ft (KB) To 4191.00 ft (KB) (TVD)**
 Reference Elevations: **2969.00 ft (KB)**
 Total Depth: **4191.00 ft (KB) (TVD)**
2960.00 ft (CF)
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 KB to GR/CF: **9.00 ft**

Serial #: 8674 **Inside**
 Press@RunDepth: **457.11 psig @ 4162.00 ft (KB)**
 Capacity: **8000.00 psig**
 Start Date: **2013.12.21** End Date: **2013.12.21**
 Last Calib.: **2013.12.21**
 Start Time: **04:20:05** End Time: **13:42:00**
 Time On Btm: **2013.12.21 @ 07:01:45**
 Time Off Btm: **2013.12.21 @ 11:01:30**

TEST COMMENT: IF: B.o.b. in 6 min.
 IS: Bled off- No return
 FF: B.o.b. in 8 min.
 FS: Bled off- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2074.99	100.96	Initial Hydro-static
1	29.63	100.05	Open To Flow (1)
30	215.27	119.70	Shut-in(1)
90	698.44	119.58	End Shut-in(1)
90	220.88	119.37	Open To Flow (2)
150	457.11	123.56	Shut-in(2)
239	699.41	121.54	End Shut-in(2)
240	2054.81	121.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
500.00	Gmw 5g 30m 65w	6.74
500.00	Gw 10g 90w	7.01
0.00	RW=.30@64=24000	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Co.
301 S Market St.
Wichita KS 67202

ATTN: Bob Bayer

15-19s-33w Scott Co. KS

Feiertag A #10-15
Job Ticket: 54556 DST#: 5
Test Start: 2013.12.21 @ 04:20:00

GENERAL INFORMATION:

Formation: **Lansing "K"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:02:00
Time Test Ended: 13:42:00

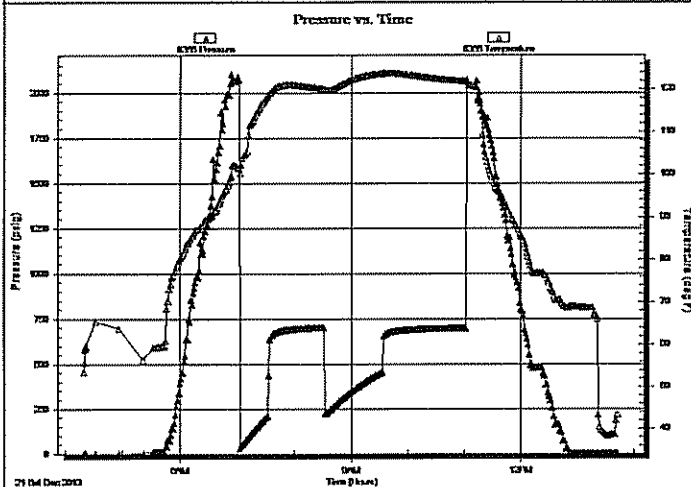
Interval: **4158.00 ft (KB) To 4191.00 ft (KB) (TVD)**
Total Depth: **4191.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches**Hole Condition: Fair

Test Type: **Conventional Bottom Hole (Reset)**
Tester: **Cornelio Landa III**
Unit No: **58**

Reference Elevations: **2969.00 ft (KB)**
2960.00 ft (CF)
KB to GR/CF: **9.00 ft**

Serial #: 8355 Outside
Press@RunDepth: psig @ 4162.00 ft (KB)
Capacity: 8000.00 psig
Start Date: 2013.12.21 End Date: 2013.12.21
Last Calib.: 2013.12.21
Start Time: 04:20:05 End Time: 13:43:45
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: B.o.b. in 6 min.
IS: Bled off- No return
FF: B.o.b. in 8 min.
FS: Bled off- No return



PRESSURE SUMMARY

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

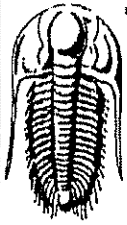
Recovery

Length (ft)	Description	Volume (bbl)
500.00	GmW 5g 30m 65w	6.74
500.00	Gw 10g 90w	7.01
0.00	RW=.30@64=24000	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co.

15-19s-33w Scott Co. KS

301 S Market St.
Wichita KS 67202

Feiertag A #10-15

Job Ticket: 54556

DST#: 5

ATTN: Bob Bayer

Test Start: 2013.12.21 @ 04:20:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

24000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
500.00	Grw 5g 30m 65w	6.740
500.00	Gw 10g 90w	7.014
0.00	RW=.30@64=24000	0.000

Total Length: 1000.00 ft Total Volume: 13.754 bbl

Num Fluid Samples: 0

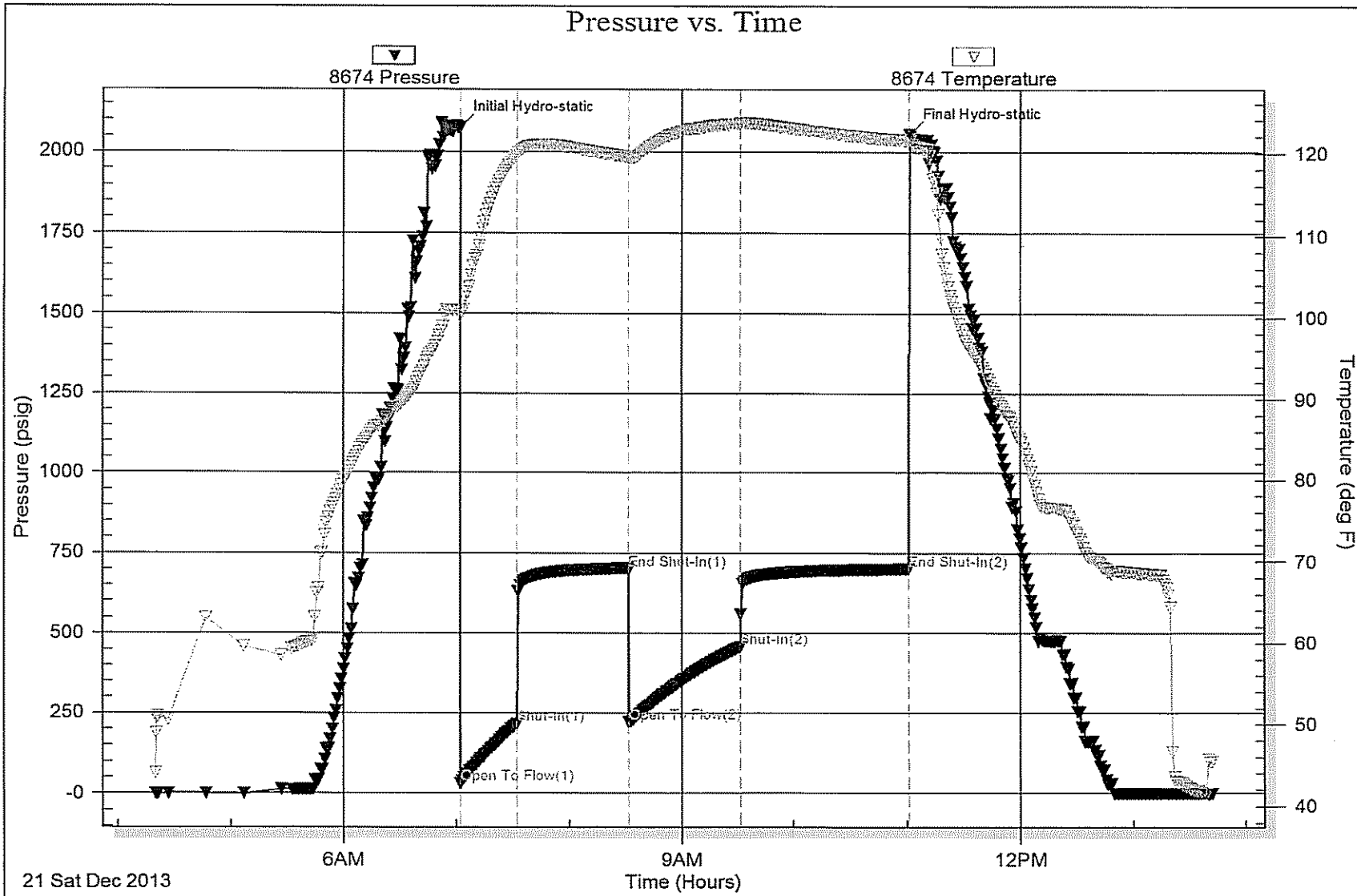
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.30@64=24000ppm

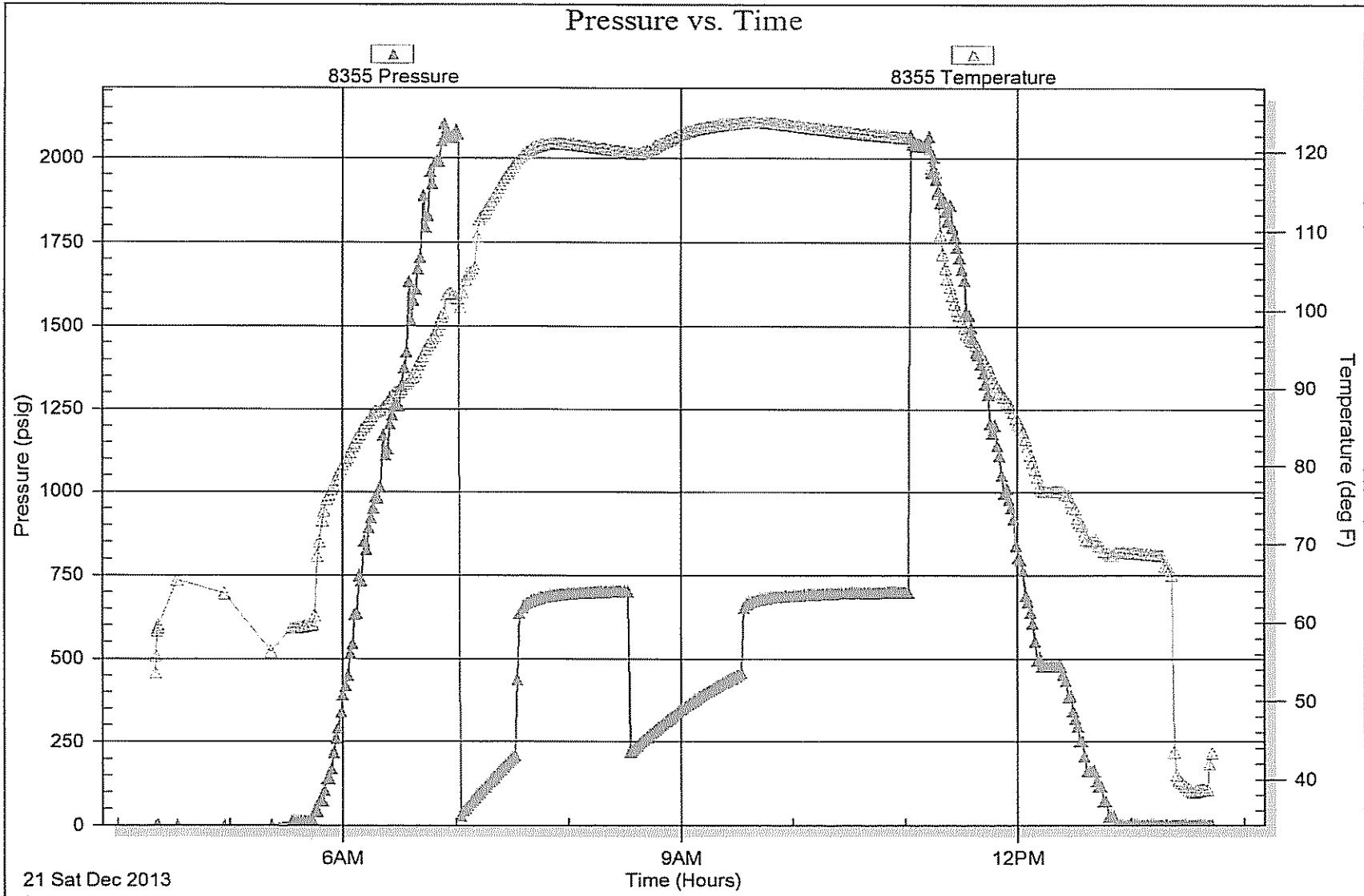


Serial #: 8355

Outside Lario Oil & Gas Co.

Feiertag A #10-15

DST Test Number: 5





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Co.

15-19s-33w Scott Co. KS

301 S Market St.
Wichita KS 67202

Feiertag A #10-15

Job Ticket: 54557

DST#: 6

ATTN: Bob Bayer

Test Start: 2013.12.22 @ 00:30:00

GENERAL INFORMATION:

Formation: Lkc "L"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:56:00

Time Test Ended: 08:48:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 58

Interval: 4222.00 ft (KB) To 4252.00 ft (KB) (TVD)

Total Depth: 4252.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2969.00 ft (KB)

2960.00 ft (CF)

KB to GRVCF: 9.00 ft

Serial #: 8355

Outside

Press@RunDepth: 26.70 psig @ 4223.00 ft (KB)

Start Date: 2013.12.22

End Date:

2013.12.22

Capacity: 8000.00 psig

Last Calib.: 2013.12.22

Start Time: 00:30:05

End Time:

08:48:14

Time On Blm: 2013.12.22 @ 02:55:45

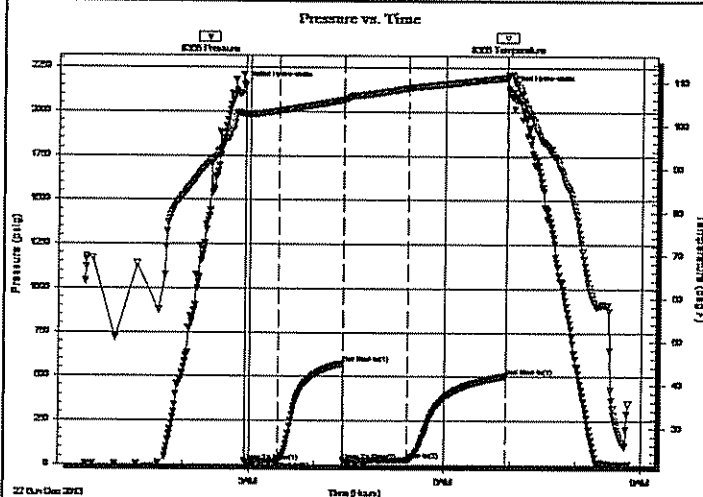
Time Off Blm: 2013.12.22 @ 06:57:30

TEST COMMENT: IF: 1/2 in. blow -died to 1/4 in. of blow

ISI: Bled off- No return

FF: No Blow

FSI: No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2146.73	102.56	Initial Hydro-static
1	17.47	102.11	Open To Flow (1)
31	21.73	103.27	Shut-In(1)
91	573.34	105.87	End Shut-In(1)
91	22.70	105.82	Open To Flow (2)
150	26.70	108.64	Shut-In(2)
241	504.41	111.11	End Shut-In(2)
242	2132.03	111.81	Final Hydro-static

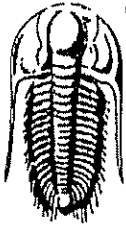
Recovery

Length (ft)	Description	Volume (bbl)
15.00	Ocm 40o 60m	0.07
2.00	Co 100o	0.01

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Lario Oil & Gas Co.
301 S Market St.
Wichita KS 67202
ATTN: Bob Bayer

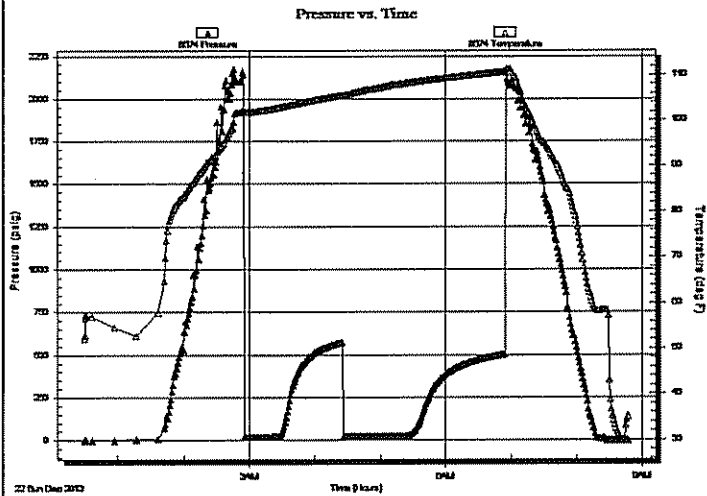
15-19s-33w Scott Co. KS
Feiertag A #10-15
Job Ticket: 54557 DST#: 6
Test Start: 2013.12.22 @ 00:30:00

GENERAL INFORMATION:

Formation: Lkc "L"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:56:00
Time Test Ended: 08:48:15
Test Type: Conventional Bottom Hole (Reset)
Tester: Cornelio Landa III
Unit No: 58
Interval: 4222.00 ft (KB) To 4252.00 ft (KB) (TVD)
Reference Elevations: 2969.00 ft (KB)
Total Depth: 4252.00 ft (KB) (TVD) 2960.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 9.00 ft

Serial #: 8674 Inside
Press@RunDepth: psig @ 4223.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.12.22 End Date: 2013.12.22 Last Calib.: 2013.12.22
Start Time: 00:30:05 End Time: 08:46:44 Time On Btm: Time Off Btm:

TEST COMMENT: IF: 1/2 in. blow -died to 1/4 in. of blow
IS: Bled off- No return
FF: No Blow
FSI: No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Ocm 40o 60m	0.07
2.00	Co 100o	0.01

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co.

15-19s-33w Scott Co. KS

301 S Market St.
Wichita KS 67202

Feiertag A #10-15

Job Ticket: 54557

DST#: 6

ATTN: Bob Bayer

Test Start: 2013.12.22 @ 00:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
15.00	Ocm 40o 60m	0.074
2.00	Co 100o	0.010

Total Length: 17.00 ft

Total Volume: 0.084 bbf

Num Fluid Samples: 0

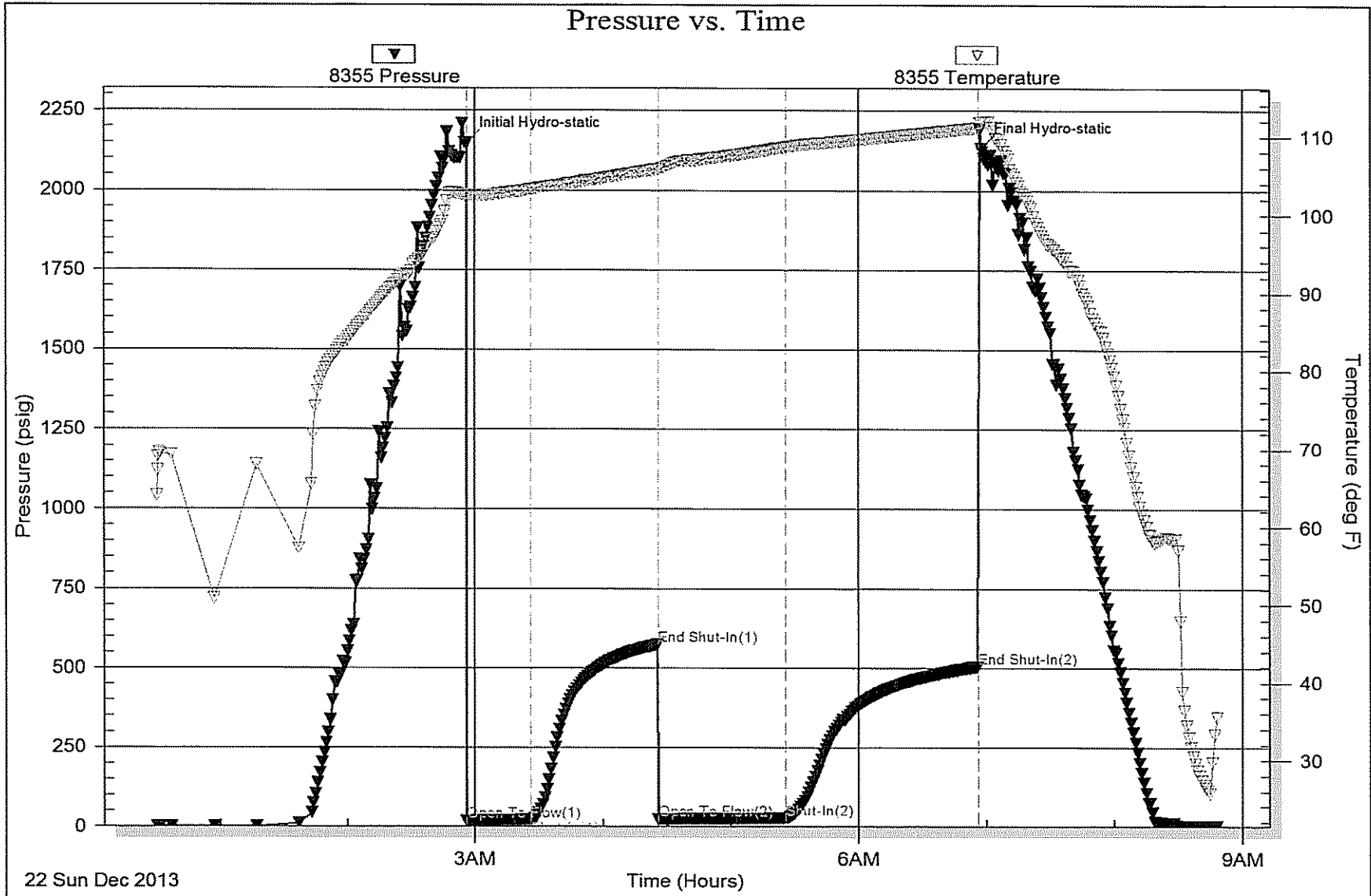
Num Gas Bombs: 0

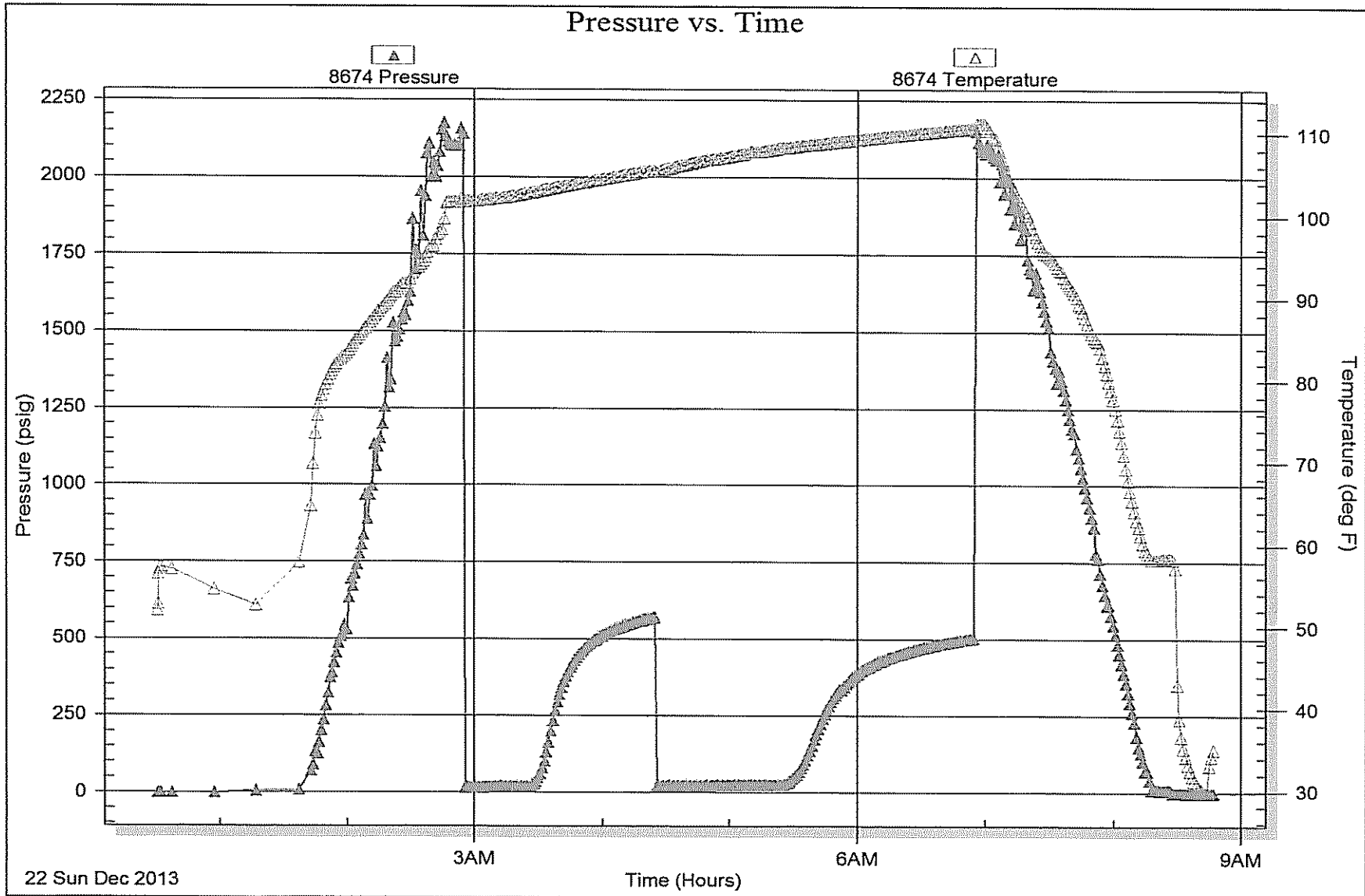
Serial #:

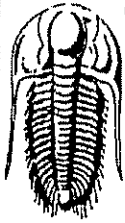
Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Co.
301 S Market St.
Wichita KS 67202
ATTN: Bob Bayer

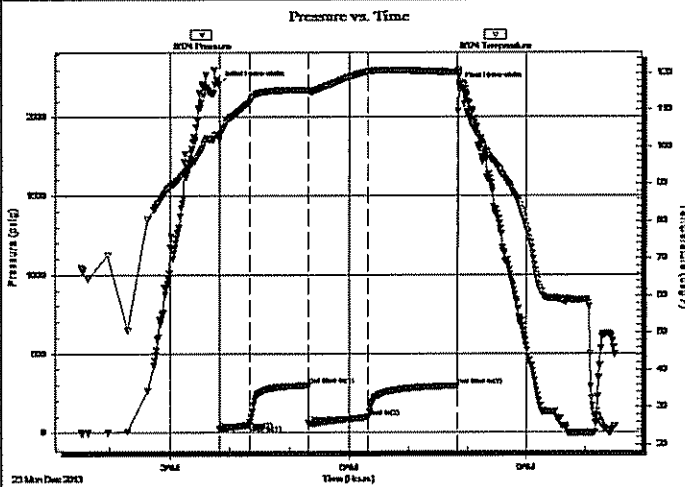
15-19s-33w Scott Co. KS
Feiertag A #10-15
Job Ticket: 54558 DST#: 7
Test Start: 2013.12.23 @ 01:31:00

GENERAL INFORMATION:

Formation: **Marmaton "B"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:50:00
 Time Test Ended: 10:30:15
 Interval: **4335.00 ft (KB) To 4365.00 ft (KB) (TVD)**
 Total Depth: **4365.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cornelio Landa III
 Unit No: 58
 Reference Elevations: 2969.00 ft (KB)
 2960.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8674 Inside
 Press@RunDepth: 97.94 psig @ 4336.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.12.23 End Date: 2013.12.23 Last Calib.: 2013.12.23
 Start Time: 01:31:05 End Time: 10:30:15 Time On Btm: 2013.12.23 @ 03:49:45
 Time Off Btm: 2013.12.23 @ 07:51:30

TEST COMMENT: IF: B.o.b. in 7 1/2 min.
 IS: Bled off in 2 min.-Surface Blow back-Built to 1 1/2 in.-died back to surface Blow back
 FF: 2 in. Immediately-B.o.b. in 11 min.
 FS: Bled off in 2 min.-Surface Blow back-Built to 7 in. of Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2208.59	103.02	Initial Hydro-static
1	21.38	101.70	Open To Flow (1)
31	51.61	111.89	Shut-In(1)
90	298.29	115.41	End Shut-In(1)
90	61.83	115.21	Open To Flow (2)
150	97.94	120.33	Shut-In(2)
241	294.84	120.14	End Shut-In(2)
242	2196.15	119.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	Gocm 5g 35o 65m	0.60
93.00	Cgo 20g 80o	1.30
93.00	Cgo 30g 70o	1.30
0.00	806 GIP	0.00
0.00	Gravity=28	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co.

15-19s-33w Scott Co. KS

301 S Market St.
Wichita KS 67202

Feiertag A #10-15

Job Ticket: 54558

DST#: 7

ATTN: Bob Bayer

Test Start: 2013.12.23 @ 01:31:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 75.00 sec/qt

Cushion Volume:

bbt

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbt
62.00	Gocm 5g 35o 65m	0.596
93.00	Cgo 20g 80o	1.305
93.00	Cgo 30g 70o	1.305
0.00	806 GIP	0.000
0.00	Gravity=28	0.000

Total Length: 248.00 ft Total Volume: 3.206 bbt

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity=25@30=28

