



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1071475
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: _____

1071475

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	Ziegler Trust 3-31
Doc ID	1071475

All Electric Logs Run

CDL/CNL/PE
MEL
SONIC
DIL

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Ziegler Trust 3-31
Doc ID	1071475

Tops

Name	Top	Datum
Heebner	3972	-992
Lansing	4020	-1040
Stark Shale	4243	-1263
Hushpuckney	4279	-1299
Base KC	4312	-1332
Marmaton	4350	-1370
Pawnee	4442	-1462
Ft. Scott	4466	-1486
Cherokee Sh	4489	-1509
Johnson	4564	-1584
Morrow	4580	-1600
Mississippian	4601	-1621

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

March 14, 2012

Jay Schweikert
Lario Oil & Gas Company
301 S MARKET ST
WICHITA, KS 67202-3805

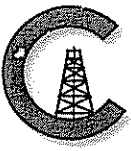
Re: ACO1
API 15-063-21964-00-00
Ziegler Trust 3-31
NE/4 Sec.31-12S-31W
Gove County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Jay Schweikert



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 # 247465

Invoice Date: 01/27/2012 Terms: 15/15/30,n/30

Page 1

LARIO OIL & GAS
P.O. BOX 1093
GARDEN CITY KS 637846
(316)265-5611

ZIEGLER TRUST 3-31
33822
31-12S-31W AFE 12-007
1-25-2012 1-27-2012 LK
KS

Part Number	Description	Qty	Unit Price	Total
1126	OIL WELL CEMENT	190.00	22.5500	4284.50
1131	60/40 POZ MIX	590.00	15.1000	8909.00
1118B	PREMIUM GEL / BENTONITE	4059.00	.2500	1014.75
1110A	KOL SEAL (50# BAG)	950.00	.5600	532.00
1107	FLO-SEAL (25#)	148.00	2.8200	417.36
1144G	MUD FLUSH (SALE)	500.00	1.0000	500.00
4161	FLOAT SHOE 4 1/2" AFU	1.00	342.0000	342.00
4103	CEMENT BASKET 4 1/2"	1.00	261.0000	261.00
4453	4 1/2" LATCH DOWN PLUG	1.00	465.0000	465.00
4276	DV TOOL SIZE 4 1/2" (STA	1.00	4200.0000	4200.00
4129	CENTRALIZER 4 1/2"	9.00	46.0000	414.00

Sublet Performed	Description	Total
9999-130	CASH DISCOUNT	-3200.94
9999-130	CASH DISCOUNT	-546.42

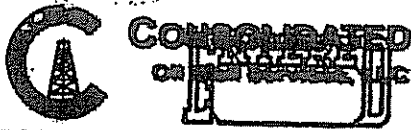
Description	Hours	Unit Price	Total
399 SINGLE PUMP	1.00	3020.00	3020.00
466 TON MILEAGE DELIVERY	343.00	1.67	572.81
528 EQUIPMENT MILEAGE (ONE WAY)	10.00	5.00	50.00

Handwritten signature and date stamp: FEB 1 2012

Amount Due 26700.26 if paid after 02/26/2012

Parts:	21339.61	Freight:	.00	Tax:	1460.16	AR	22695.22
Labor:	.00	Misc:	.00	Total:	22695.22		
Sublt:	-3747.36	Supplies:	.00	Change:	.00		

Signed _____ Date _____



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

AFE #12-007

TICKET NUMBER 33822

LOCATION Oakley

FOREMAN Fuzzy

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-25-12	4793	Ziegler Trust 3-31	31	125	31w	Gove
CUSTOMER			OKLEY			
Lario O. & Gas			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			95	399	Kelly G	
P.O. Box 1093			2E	528	Damon M	
CITY			50	466	COM D	
STATE						
ZIP CODE						
Garden City						
KS						
67851						

JOB TYPE 2-stage HOLE SIZE 7 7/8 HOLE DEPTH 4750' CASING SIZE & WEIGHT 4 1/2 10 1/2
 CASING DEPTH 4716' DRILL PIPE _____ TUBING _____ OTHER DU @ 2434'
 SLURRY WEIGHT 13.8-12.5 SLURRY VOL 1.42-1.89 WATER gal/sk 6.7-10.8 CEMENT LEFT in CASING 22 26
 DISPLACEMENT 74.9 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting on Duke #4 run float equip. Pick up and circulate 1 1/2 hrs. Pump 5 BBL water, 500 gal mud flush, 5 BBL water. Mix 190 SKS OWC w/ 5# col-seal pres. Wash pump and lines. Drop plug and displace 36 water, 39 mud, 650# lift press 1400# land. floathold. Drop DU Bone wait 15 min open DU Tool @ 200' circ 3 hrs. Pump 5 BBL water mix 30 SKS in RH. Mix 560 SKS 60/40 8# seal 1 1/4# col-seal. Wash pump and lines. Drop plug and displace 39 BBL lift press 700# closed tool @ 1500 We lost returns with 400 SKS mixed but slowly gained back after dropping plug. Cement did circulate approx 5 BBL to pit.

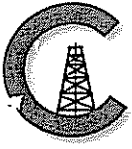
Thanks Fuzzy crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3020 ⁰⁰	3020 ⁰⁰
5406	10 miles	MILEAGE	5 ⁰⁰	50 ⁰⁰
5407A	34.3 ton	Tow Mileage Delivery	167	57281
1126	190 SKS	OWC	22 ⁵³	4284 ⁵⁰
1131	590 SKS	60/40 pos	15 ¹⁰	8909 ⁰⁰
1118B	4059#	Bentonite	.25	1014 ²⁵
1110A	950#	col-seal	.56	532 ⁰⁰
1107	148#	fl-o-seal	2 ⁸²	417 ³⁶
1144G	500 gal	mud flush	1 ⁰⁰	500 ⁰⁰
4161	1	4 1/2" ATFU Floath shoe	342 ⁰⁰	342 ⁰⁰
4103	1	4 1/2" Basket	261 ⁰⁰	261 ⁰⁰
4453	1	4 1/2" latchdown Assy	465 ⁰⁰	465 ⁰⁰
4276	1 (w)	4 1/2" DU Tool	4200 ⁰⁰	4200 ⁰⁰
4129	9	4 1/2" Centralizers	46 ⁰⁰	414 ⁰⁰
		Subtotal		24982 ⁴²
		1-55 15%		3747 ³⁰
		Subtotal		21235 ⁸⁶
		2474 ⁸⁵		
		SALES TAX		1460 ¹⁰
		ESTIMATED TOTAL		22695 ³²

Form 3737

AUTHORIZATION Jim Dillig TITLE _____ DATE 1-26-12

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 # 247201

Invoice Date: 01/19/2012 Terms: 15/15/30,n/30

Page 1

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

ZIEGLER TRUST 3-31
33816
31-12S-31W
1-16-2012
KS
Drilling AFE 12-007
1-23-2012 LK

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	165.00	17.6500	2912.25
1118B	PREMIUM GEL / BENTONITE	310.00	.2500	77.50
1102	CALCIUM CHLORIDE (50#)	465.00	.8900	413.85

Sublet Performed	Description	Total
9999-130	CASH DISCOUNT	-510.54
9999-130	CASH DISCOUNT	-231.75

Description	Hours	Unit Price	Total
439 MIN. BULK DELIVERY	1.00	410.00	410.00
463 CEMENT PUMP (SURFACE)	1.00	1085.00	1085.00
463 EQUIPMENT MILEAGE (ONE WAY)	10.00	5.00	50.00

BCP
al
fe
JAN 24 2012
al
fe

Amount Due 5222.59 if paid after 02/18/2012

Parts:	3403.60	Freight:	.00	Tax:	232.89	AR	4439.20
Labor:	.00	Misc:	.00	Total:	4439.20		
Sublt:	-742.29	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 33816
LOCATION Oakley KS
FOREMAN Fuzz

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

FIELD TICKET & TREATMENT REPORT
CEMENT

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-16-12	4793	Ziesler Trust 3-31	31	125	31W	Govt
CUSTOMER Lario Oil & Gas			OAKLEY 95 212E 31W			
MAILING ADDRESS PO Box 1093			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY Garden City			463	Josh G		
STATE KS			439	Coyle D		
ZIP CODE 67846						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 233' CASING SIZE & WEIGHT 8 5/8
CASING DEPTH 232' DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGH 14.7 SLURRY VOL 1.36 WATER gal/sk 6.5 CEMENT LEFT in CASING 20'
DISPLACEMENT 13.5 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting on Duff #4. Rise up and circulate
with 165 sks Cem 39 sec 29 gal. Drop plug and displace
13 1/2 BBS. Cement did circulate approx 5 BBS.

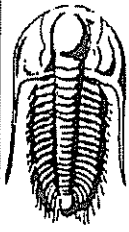
Thanks Fuzz & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1085 ⁰⁰	1085 ⁰⁰
5406	10	MILEAGE	5 ⁰⁰	50 ⁰⁰
5407	7.76	Ton Mileage Delivery	410 ⁰⁰	410 ⁰⁰
11045	165 sks	CLASS 'A' cement	17 ⁶³	2912 ²⁵
11188	310 #	Bentonite	.25	77 ⁵⁰
1102	465 #	Calcium Chloride	.89	413 ³⁵
		subtotal		4948 ⁶⁰
		less 15% disc		742 ²⁹
		AS per bid subtotal		4206 ³¹
		247201	SALES TAX	232 ⁸⁹
			ESTIMATED TOTAL	4439 ²⁰

Revin 3737

AUTHORIZATION Rich Wheeler TITLE _____ DATE _____

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.



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Co.

37-12s-31w Logan Co. KS

301 S Market St.
Wichita KS. 67232

Ziegler Trust #3-31

Job Ticket: 44992

DST#: 1

ATTN: Brad Rine

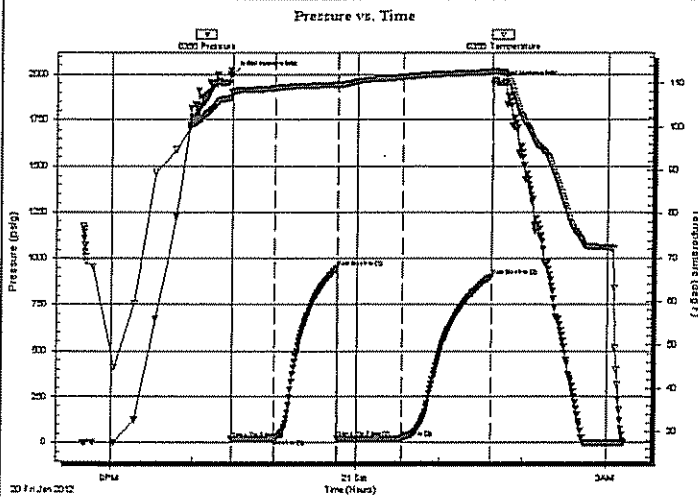
Test Start: 2012.01.20 @ 20:40:00

GENERAL INFORMATION:

Formation: LKC "D"
 Deviated: No Whipstock ft (KB)
 Time Tool Opened: 22:28:25
 Time Test Ended: 03:12:54
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Will MacLean
 Unit No: 35
 Interval: 4090.00 ft (KB) To 4110.00 ft (KB) (TVD)
 Reference Elevations: 2980.00 ft (KB)
 Total Depth: 4110.00 ft (KB) (TVD)
 2971.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 9.00 ft

Serial #: 8356 Outside
 Press@RunDepth: 23.16 psig @ 4091.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.01.20 End Date: 2012.01.21 Last Calib.: 2012.01.21
 Start Time: 20:40:00 End Time: 03:12:54 Time On Btm: 2012.01.20 @ 22:28:10
 Time Off Btm: 2012.01.21 @ 01:37:39

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



PRESSURE SUMMARY

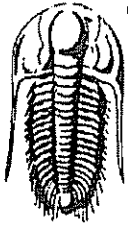
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1997.19	107.99	Initial Hydro-static
1	19.45	107.54	Open To Flow (1)
32	21.05	108.88	Shut-In(1)
77	948.02	109.74	End Shut-In(1)
78	21.64	109.60	Open To Flow (2)
125	23.16	111.54	Shut-In(2)
189	903.04	112.68	End Shut-In(2)
190	1945.82	112.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	OCM 3%oil 97%rn	0.21
0.00	Skim of Oil on Top	0.00

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. 67232
 ATTN: Brad Rine

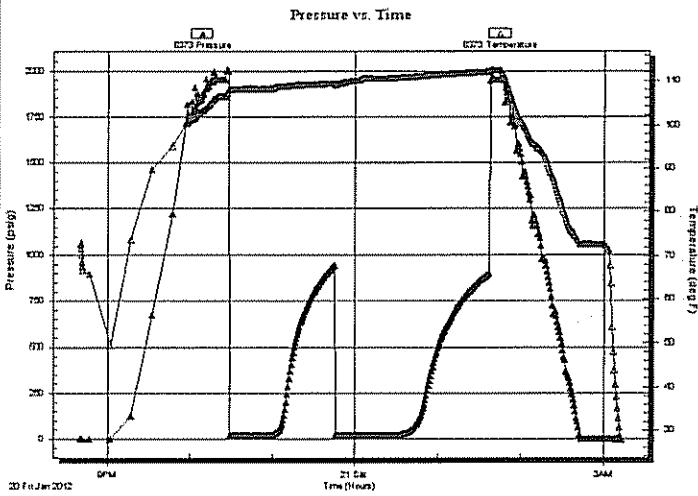
37-12s-31w Logan Co. KS
Ziegler Trust #3-31
 Job Ticket: 44992 DST#: 1
 Test Start: 2012.01.20 @ 20:40:00

GENERAL INFORMATION:

Formation: LKC " D"
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:28:25
 Time Test Ended: 03:12:54
 Interval: 4090.00 ft (KB) To 4110.00 ft (KB) (TVD)
 Total Depth: 4110.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Will MacLean
 Unit No: 35
 Reference Elevations: 2980.00 ft (KB)
 2971.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8373 Inside
 Press@RunDepth: psig @ 4091.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.01.20 End Date: 2012.01.21 Last Calib.: 2012.01.21
 Start Time: 20:40:05 End Time: 03:12:59 Time On Blm
 Time Off Blm

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



PRESSURE SUMMARY

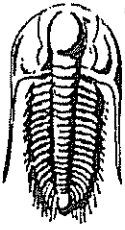
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
15.00	OCM 3%oil 97%w	0.21
0.00	Skim of Oil on Top	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co.

37-12s-31w Logan Co. KS

301 S Market St.
Wichita KS. 67232

Ziegler Trust #3-31

Job Ticket: 44992

DST#: 1

ATTN: Brad Rine

Test Start: 2012.01.20 @ 20:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 6.00 in³

Resistivity: ohm.m

Salinity: 3600.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	OCM 3%oil 97%m	0.210
0.00	Skim of Oil on Top	0.000

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

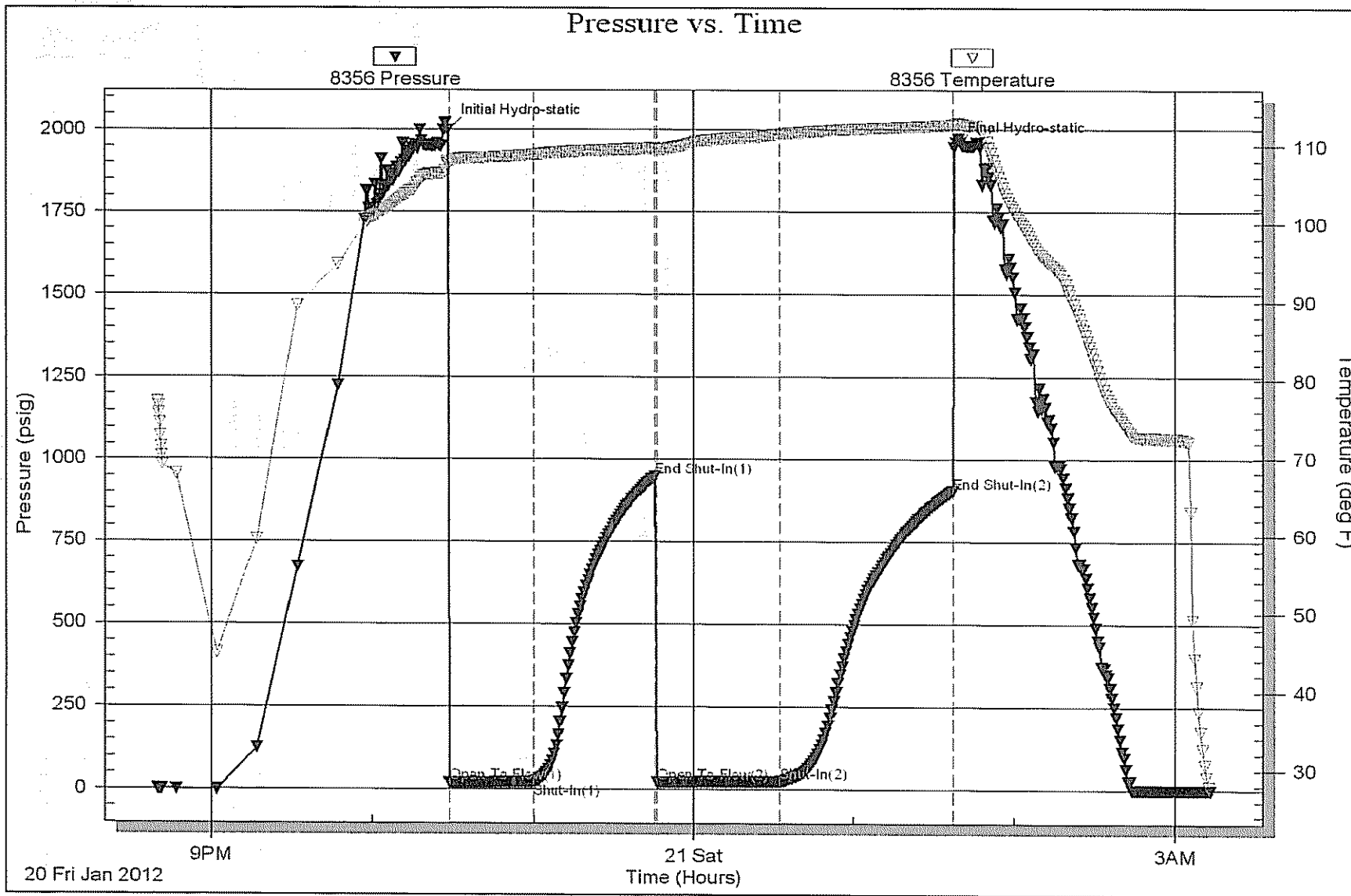
Num Gas Bombs: 0

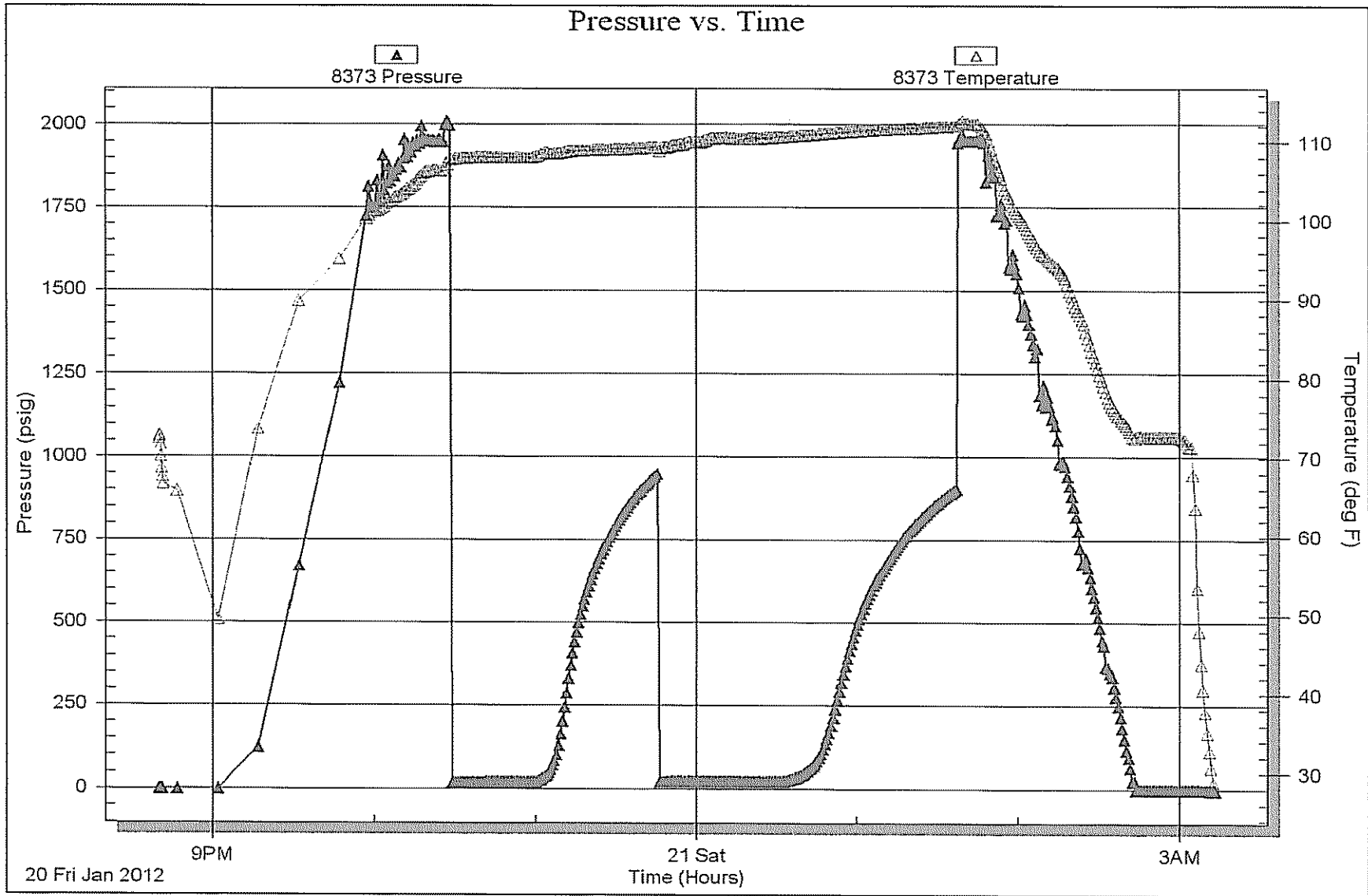
Serial #:

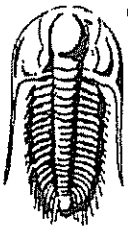
Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Co.

37-12s-31w Logan Co. KS

301 S Market St.
Wichita KS. 67232

Ziegler Trust #3-31

Job Ticket: 45320

DST#: 2

ATTN: Brad Rine

Test Start: 2012.01.21 @ 18:27:29

GENERAL INFORMATION:

Formation: LKC.R&I - I
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:17:24
 Time Test Ended: 00:36:38

Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 35

Interval: 4189.00 ft (KB) To 4222.00 ft (KB) (TVD)
 Total Depth: 4222.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2980.00 ft (KB)
 2971.00 ft (CF)
 KB to GR/CF: 9.00 ft

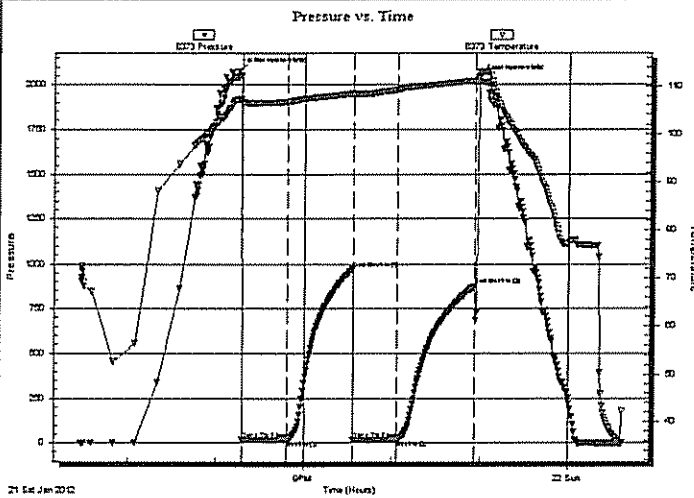
Serial #: 8373

Inside

Press@RunDepth: 18.30 psig @ 4190.00 ft (KB)
 Start Date: 2012.01.21 End Date: 2012.01.22
 Start Time: 18:27:29 End Time: 00:36:38

Capacity: 8000.00 psig
 Last Calib.: 2012.01.22
 Time On Btm: 2012.01.21 @ 20:15:24
 Time Off Btm: 2012.01.21 @ 22:58:23

TEST COMMENT: IF: Surface blow died in 7 min.
 IS: No return.
 FF: No blow.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2076.89	107.31	Initial Hydro-static
2	15.11	105.99	Open To Flow (1)
33	16.97	106.70	Shut-In(1)
78	972.81	108.41	End Shut-In(1)
78	17.56	107.99	Open To Flow (2)
108	18.30	109.24	Shut-In(2)
161	876.86	111.20	End Shut-In(2)
163	2031.72	112.18	Final Hydro-static

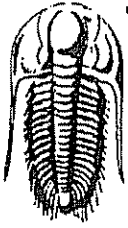
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.07

* 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.

37-12s-31w Logan Co. KS

301 S Market St.
Wichita KS. 67232

Ziegler Trust #3-31

Job Ticket: 45320

DST#: 2

ATTN: Brad Rine

Test Start: 2012.01.21 @ 18:27:29

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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.59 in³

Gas Cushion Type:

Resistivity: 9.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
5.00	mud 100% _m	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

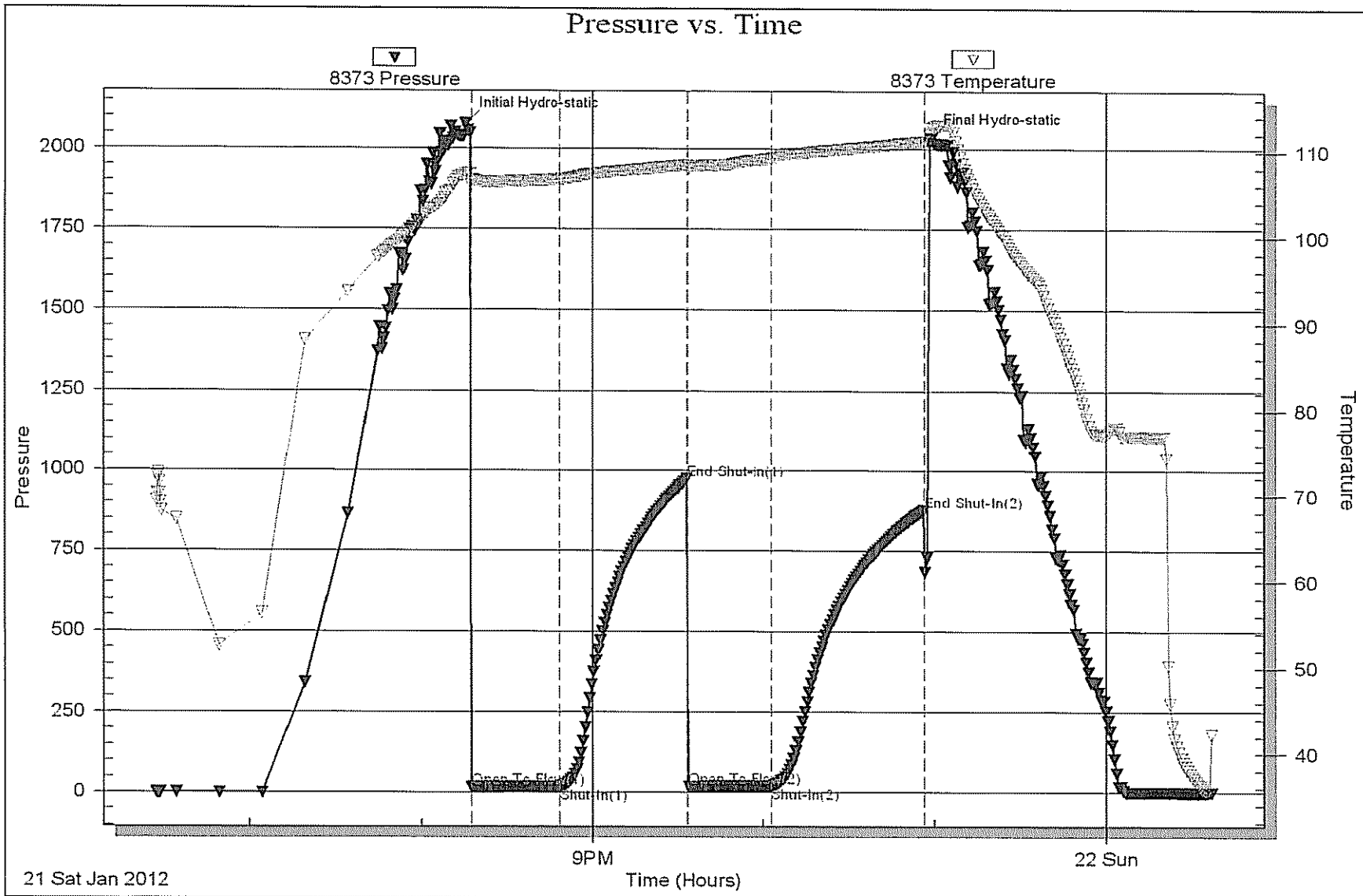
Num Gas Bombs: 0

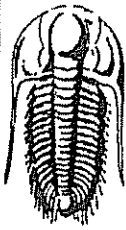
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Co.

37-12s-31w Logan Co. KS

301 S Market St.
Wichita KS. 67232

Ziegler Trust #3-31

Job Ticket: 45321

DST#: 3

ATTN: Brad Rine

Test Start: 2012.01.22 @ 01:01:46

GENERAL INFORMATION:

Formation: LKC HI

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:33:41

Time Test Ended: 06:49:10

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 35

Interval: 4152.00 ft (KB) To 4222.00 ft (KB) (TVD)

Total Depth: 4222.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2980.00 ft (KB)

2971.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8373

Inside

Press@RunDepth: 25.77 psig @ 4153.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.22

End Date:

2012.01.22

Last Calib.:

2012.01.22

Start Time: 01:01:46

End Time:

06:49:10

Time On Btm:

2012.01.22 @ 02:31:26

Time Off Btm:

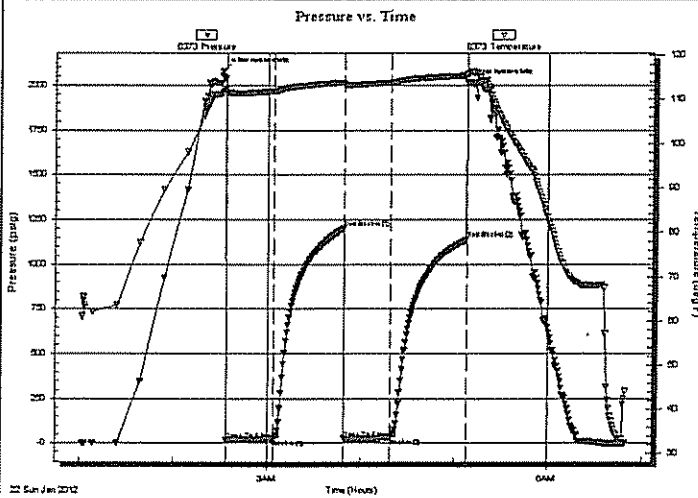
2012.01.22 @ 05:08:26

TEST COMMENT: IF: 1/4 blow died in 11 min.

IS: No return.

FF: No blow.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2079.88	111.49	Initial Hydro-static
3	17.67	111.30	Open To Flow (1)
33	22.57	111.83	Shut-In(1)
78	1197.91	113.83	End Shut-In(1)
78	24.49	113.02	Open To Flow (2)
108	25.77	113.79	Shut-In(2)
157	1137.17	115.41	End Shut-In(2)
157	2014.73	115.66	Final Hydro-static

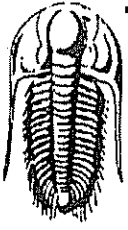
Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud Oil spots 100% m	0.28

* 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.

37-12s-31w Logan Co. KS

301 S Market St.
Wichita KS. 67232

Ziegler Trust #3-31

Job Ticket: 45321

DST#: 3

ATTN: Brad Rine

Test Start: 2012.01.22 @ 01:01:46

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: 5.60 in*

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
20.00	mud Oil spots 100% _m	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

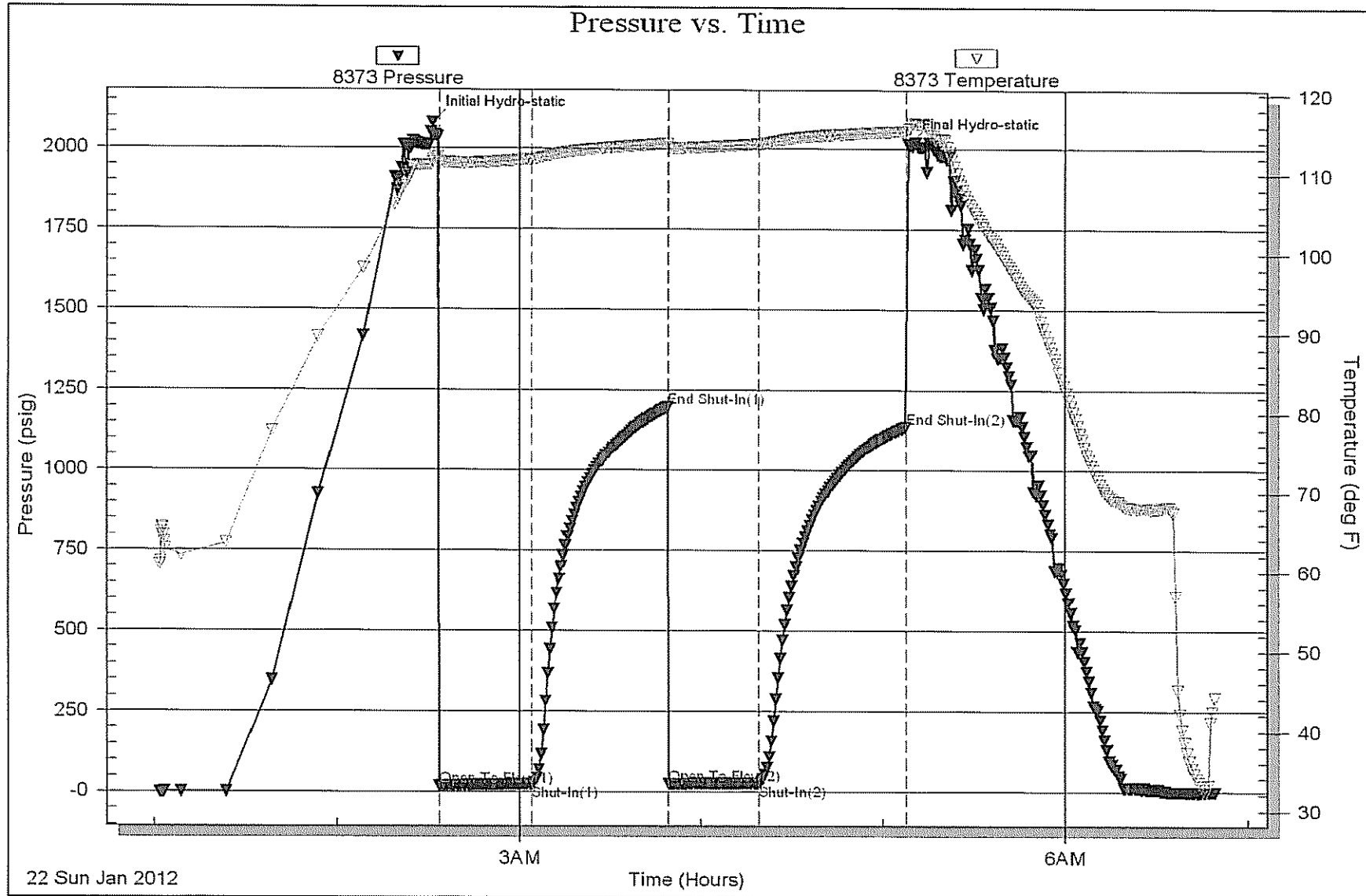
Num Gas Bombs: 0

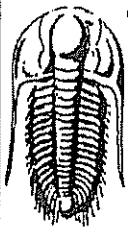
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Co.

301 S Market St.
Wichita KS. 67232

ATTN: Brad Rine

37-12s-31w Logan Co. KS

Ziegler Trust #3-31

Job Ticket: 45322 DST#: 4

Test Start: 2012.01.23 @ 22:08:07

GENERAL INFORMATION:

Formation: **Johnson**

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

Time Tool Opened: 23:56:17

Time Test Ended: 05:53:31

Test Type: **Conventional Bottom Hole (Reset)**

Tester: **Brandon Turley**

Unit No: **35**

Interval: **4538.00 ft (KB) To 4585.00 ft (KB) (TVD)**

Total Depth: **4585.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2980.00 ft (KB)**

2971.00 ft (CF)

KB to GR/CF: **9.00 ft**

Serial #: 8373

Inside

Press@RunDepth: **317.86 psig @ 4539.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2012.01.23**

End Date:

2012.01.24

Last Calib.: **2012.01.24**

Start Time: **22:08:07**

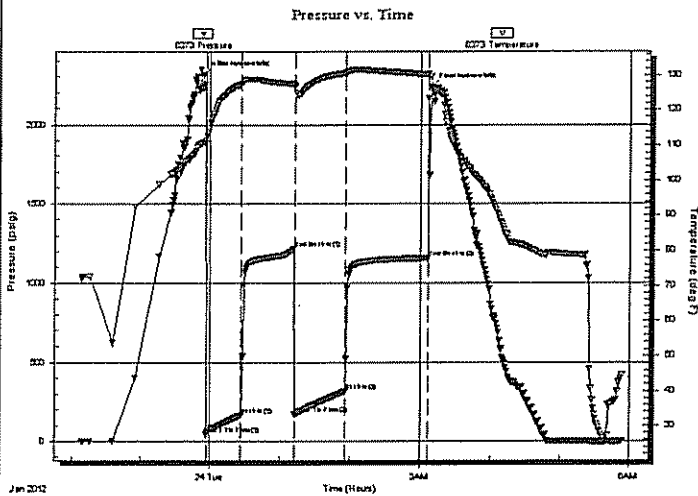
End Time:

05:53:31

Time On Bltn: **2012.01.23 @ 23:54:17**

Time Off Bltn: **2012.01.24 @ 03:08:31**

TEST COMMENT: IF: BOB in 3 min.
IS: BOB in 15 min.
FF: BOB in 7 min.
FS: BOB in 40 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2315.03	111.00	Initial Hydro-static
2	42.91	110.59	Open To Flow (1)
33	166.50	127.56	Shut-in(1)
78	1217.38	127.56	End Shut-in(1)
78	171.45	127.03	Open To Flow (2)
122	317.86	130.59	Shut-in(2)
192	1155.60	130.16	End Shut-in(2)
195	2233.92	129.60	Final Hydro-static

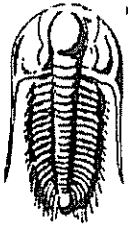
Recovery

Length (ft)	Description	Volume (bbl)
62.00	gocm 10%g 10%o 80%m	0.87
124.00	mcgo 30%g 50%o 20%m	1.74
589.00	mcgo 20%g 70%o 10%m	8.26
0.00	2635 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.

37-12s-31w Logan Co. KS

301 S Market St.
Wichita KS. 67232

Ziegler Trust #3-31

Job Ticket: 45322

DST#: 4

ATTN: Brad Rine

Test Start: 2012.01.23 @ 22:08:07

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 7.98 in*
Resistivity: 0.00 ohm.m
Salinity: 3100.00 ppm
Filter Cake: 1.00 inches

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

Oil API: 31 deg API
Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	gocm 10%g 10%o 80%m	0.870
124.00	mcgo 30%g 50%o 20%m	1.739
589.00	mcgo 20%g 70%o 10%m	8.262
0.00	2635 GIP	0.000

Total Length: 775.00 ft Total Volume: 10.871 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: 28@30=31

