



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1163111
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: _____



1163111

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
--	---

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)* _____

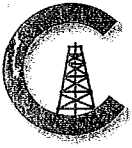
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Corinne 3-33
Doc ID	1163111

Tops

Name	Top	Datum
Heebner	3665	-936
Lansing	3703	-974
Stark Shale	3959	-1230
Hushpuckney	3996	-1267
Base KC	4047	-1318
Marmaton	4088	-1359
Pawnee	4162	-1433
Ft. Scott	4191	-1462
Johnson	4282	-1553
Morrow	4308	-1579
Basal Penn	4323	-1594
Mississippian	4337	-1608



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 # 263473

Invoice Date: 10/28/2013 Terms: 10/10/30,n/30 Page 1

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

~~COVINNE 3-33~~
44450
36-14S-32W
10-24-2013
KS

Corinne 3-33
drilling AFE 13-30S
10-30-13 LK

(long string)

Part Number	Description	Qty	Unit Price	Total
1126	OIL WELL CEMENT	165.00	23.7000	3910.50
1131	60/40 POZ MIX	445.00	15.8600	7057.70
1118B	PREMIUM GEL / BENTONITE	3062.00	.2700	826.74
1110A	KOL SEAL (50# BAG)	825.00	.5600	462.00
1107	FLO-SEAL (25#)	111.00	2.9700	329.67
1144G	MUD FLUSH (SALE)	500.00	1.0000	500.00
4159	FLOAT SHOE AFU 5 1/2"	1.00	433.7500	433.75
4454	5 1/2" LATCH DOWN PLUG	1.00	567.0000	567.00
4283	DV TOOL W/ LATCH DOWN	1.00	4800.0000	4800.00
4130	CENTRALIZER 5 1/2"	9.00	61.0000	549.00
4104	CEMENT BASKET 5 1/2"	1.00	290.0000	290.00

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-1972.64
9995-130	CEMENT EQUIPMENT DISCOUNT	-369.83

Description	Hours	Unit Price	Total
397 TON MILEAGE DELIVERY	1.00	235.40	235.40
399 SINGLE PUMP	1.00	3175.00	3175.00
399 EQUIPMENT MILEAGE (ONE WAY)	10.00	5.25	52.50
T-127 TON MILEAGE DELIVERY	1.00	235.40	235.40

Amount Due 24933.73 if paid after 11/27/2013

Parts:	19726.36	Freight:	.00	Tax:	1358.16	AR	22440.35
Labor:	.00	Misc:	.00	Total:	22440.35		
Sublt:	-2342.47	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

263473

TICKET NUMBER 44450
LOCATION OAKLEY KS.
FOREMAN DAMON MILLER
FUZZY

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

FIELD TICKET & TREATMENT REPORT

KANSAS

Corinne 3-33 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-24-13	4793	CORINNE 3-33	36	14S	32W	LOGAN
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
LARIO OIL AND GAS			399	TIM W		
MAILING ADDRESS			397	STEVEN		
			528-T#127	RUSS K	GILLETTE	
CITY	STATE	ZIP CODE				

JOB TYPE 2 STAGE HOLE SIZE 7 1/4 HOLE DEPTH 4450 CASING SIZE & WEIGHT 5 1/2 #14
CASING DEPTH 4426.30 DRILL PIPE _____ TUBING _____ OTHER DV 2196.40
SLURRY WEIGHT 142-125 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT IN CASING _____
DISPLACEMENT 107.4953 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: SAFETY MEETING RIG UP ON WW#10 RUN FLOAT EQUIPMENT CENT. ON 1, 4, 8, 12, 16, 20, 24, 51 & 54 BASKET ON #52 DV ON #53 CIRC ON BOTTOM FOR 1 HR. PUMPED 500 GAL OF MUD FLUSH MIXED 165 SKS OWC #5 KOLSEAL WAS WASHED UP DROP PLUG PUMPED 50 BAR H2O & 57.49 BAR OF MUD PLUG LANDED @ #1300 LIFE WAS @ 750* RELEASED PRESURE DRIED UP. RIG UP TO CIRC 3 HRS IN BETWEEN STAGES MIXED 415 SKS 60/40 820 GEL 1/4* FLOSEAL SHUT DOWN WASHED UP RELEASED PLUG PUMPED 53 3/4 OF H2O LIFE WAS 750* LANDED PLUG @ #1800 RELEASED PRESURE DRIED UP WASHED UP AND RIGGED DOWN.
30 SKS RM CEMENT DID CIRCULATE THANK YOU DAMON FUZZY & CREW

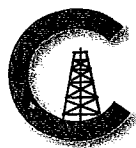
ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3175.00	3175.00
5406	10	MILEAGE	5.25	52.50
5407A	26.9	TON MILEAGE DELIVERY	1.75	470.80
1126	165 SKS	OWC	23.70	3910.50
1131	445 SKS	60/40	15.86	7057.70
1118B	3062	GEL	.27	826.74
1110A	825 #	KOLSEAL	.56	462.00
1107	111*	FLOSEAL	2.97	329.67
1144G	500 GAL	MUD FLUSH	1.00	500.00
4159	1	APU FLOAT SHOE 5 1/2 (W)	433.75	433.75
4454	1	5 1/2 LATCHDOWN (W)	567.00	567.00
4283	1	5 1/2 DV TOOL (W) #57062827-02	4800.00	4800.00
4130	9	5 1/2 CENTRALIZERS (W)	61.00	549.00
4104	1	5 1/2 BASKET (W)	290.00	290.00
		TOTAL		23,424.66
		LESS 10%		2,342.47
		SUBTOTAL		21,082.19
		SALES TAX		1,358.16
		ESTIMATED TOTAL		22,440.35

completed

Revin 3787

AUTHORIZATION [Signature] 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.



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 # 264041

Invoice Date: 11/21/2013 Terms: 10/10/30,n/30 Page 1

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

CORINNE 3-33
44525
33-14S-32W
11-15-2013
KS

completion
AFs 13-30S
11-24-13 LK

Part Number	Description	Qty	Unit Price	Total
2101A	20-40 BROWN SAND	100.00	.2700	27.00
1111	SODIUM CHLORIDE (GRANULA	100.00	.0000	.00

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-2.70
9995-130	CEMENT EQUIPMENT DISCOUNT	-140.25

Description	Hours	Unit Price	Total
463 SQUEEZE PUMP (KICK OFF PLUG PUMP)	1.00	1150.00	1150.00
463 EQUIPMENT MILEAGE (ONE WAY)	10.00	5.25	52.50
466 SQUEEZE MANIFOLD	1.00	200.00	200.00

Handwritten initials: *xc*
Stamp: NOV 26 2013
Handwritten initials: *KS*

Amount Due 1429.50 if paid after 12/21/2013

Parts:	27.00	Freight:	.00	Tax:	.00	AR	1286.55
Labor:	.00	Misc:	.00	Total:	1286.55		
Sublt:	-142.95	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

264041

TICKET NUMBER 44525
LOCATION Oakley Co.
FOREMAN Damen, Walt

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
11/15/13	4793	Corinne #3-33	33	14s	32w	Logan
CUSTOMER		Mailing Address		CITY		STATE
Lario Oil & Gas		Oakley 235 1w Ninto		TRUCK #		DRIVER
				463		Cory
				466		Steven
				TRUCK #		DRIVER

JOB TYPE Squeeze HOLE SIZE _____ HOLE DEPTH 4245 CASING SIZE & WEIGHT 5 1/2, 15.5
 CASING DEPTH 4145 DRILL PIPE 1 1/2 TUBING _____ OTHER Brfs 4145 to 4149
 SLURRY WEIGHT 148 to 15 SLURRY VOL 118 WATER gal/sk _____ CEMENT LEFT in CASING Teaker at 3992'
 DISPLACEMENT 23.1, 3.6 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting Rig up on H2 Plains #7 Test Tag 2000 Spot Sand 13 bbl water
Pull up & Test Backside 5m Get Rate Could not Get Rate Back up
Job Complete.

Thanks Damen & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401 B	1	PUMP CHARGE	* 1780.00	1780.00 ✓
5406	10	MILEAGE	* 5.25	52.50 ✓
2101 A	100 #	Sand	\$.27	27.00 ✓
5613	1	Squeeze Manifold	* 200.00	200.00 ✓
1111	2 SKS 100 #	Salt	NC	NC ✓
			SubTotal	\$ 1429.50
			Less 10%	\$ 142.95 ✓
			SubTotal	\$ 1286.55
			SALES TAX	0
			ESTIMATED TOTAL	1286.55 ✓

AE - 13-305
completed

Ravin 3737

AUTHORIZATION Curtis D All TITLE Foreman DATE 11/15/13

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.



PAGE	CUST NO	INVOICE DATE
1 of 1	1002301	11/11/2013
INVOICE NUMBER		
1717 - 91332886		

Liberal (620) 624-2277
 B LARIO OIL & GAS
 I PO Box: 1093
 L GARDEN CITY
 L KS US 67846
 T
 O **ATTN:** ACCOUNTS PAYABLE

J LEASE NAME Corinne #3-33
O LOCATION
B COUNTY Logan
S STATE KS
I JOB DESCRIPTION Frac Job-New Well
T
E JOB CONTACT

completion
 AFE-13-305
 CK 11/17/13

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40660939	70192	AFE #13-305	Net - 30 days	12/11/2013

For Service Dates: 11/07/2013 to 11/07/2013

0040660939

171704044A Frac Job-New Well 11/07/2013

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
ProGel LG 200	14,140.00	EA	0.17	2,375.52
580 ME Surfactant	15.00	EA	25.20	378.00
Claymax	8.00	EA	21.00	168.00
FA-1, Foamer	55.00	EA	27.00	1,485.00
Breaker 10L	1.00	EA	105.00	105.00
Bo-3, Powdered Biocide	1.00	EA	39.84	39.84
16-30 mesh Northern White Sand	165.00	BAG	13.20	2,178.00
Heavy Equipment Mileage	350.00	MI	4.20	1,470.00
Foam Blender	1.00	EA	1,920.00	1,920.00
Triplex Foam Frac Pump Charge	1.00	EA	4,140.00	4,140.00
"Proppant & Bulk Del. Chgs., per ton mil	512.50	EA	0.96	492.00
Liquid Chemical Additive Unit	1.00	EA	480.00	480.00
Treatment Van	1.00	EA	1,320.00	1,320.00
Densimeter	1.00	EA	360.00	360.00
Frac Valve Rental	1.00	EA	300.00	300.00
"Unit Mileage Chg (PU, cars one way)"	100.00	MI	2.55	255.00
16-30 mesh or larger Prop Pump Charge	165.00	EA	0.68	112.86
.1 to 4 ppg Proppant concentration chrg	4,800.00	EA	0.01	57.60
4.1 to 8 ppg Proppant concentration chrg	1,200.00	EA	0.06	72.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	105.00	105.00
Safety Check Valve	1.00	EA	450.00	450.00
Cambelt Sand Lizard	1.00	EA	600.00	600.00

NOV 20 13

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	18,863.82
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	0.00
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	18,863.82
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.
Liberal, Kansas 67905
Phone 620-624-2277

FIELD SERVICE TICKET

1717 04044 A

DATE _____ TICKET NO. _____

DATE OF JOB 11-7-13	DISTRICT 1717	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:	
CUSTOMER Lario oil and gas		LEASE Corinne		WELL NO. J-35				
ADDRESS PO, Box 1093		COUNTY Logan		STATE Ks				
CITY Garden City STATE Ks 67846		SERVICE CREW Juan Hector Greg Maris Cesar Edgar						
AUTHORIZED BY Jerry Bennett JRB		JOB TYPE: ZRZ						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	TIME
54878	17	70197	12					6:00
12945		70230						8:30
30325								11:08
70394								12:05
12978								1:00
70330								100

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

AFE-13-305

SIGNED: *Center Oil*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
5416	ProGel LG 200	gal	14140		3959 20
C2315	500 ME	gal	15		630 00
C704	Clay max	gal	8		280 00
C1206	FA-1 Feamer	gal	55		2475 00
C507	Breaker 10L	gal	1		175 00
C604	Bio 3	gal	1		66 40
PK212	16-30 Mesh White Sand	gal	165		3630 00
E101	Heavy Equipment Mileage	HR	350		2450 00
BF200	Foam Blender 0-10 BPM		1		3200 00
E552	1800 HHP Foam Frac Pump Charge		1		6900 00
E113	Prop Bulk Delivery Charge		513		820 00
E713	Liquid Chem Add Unit		1		800 00
T101	Treatment Van		1		2200 00
E729	Densimeter		1		600 00
E706	3" Frac Valve Rental		1		500 00
E100	Unit Mileage Charge - Pickups		100		425 00
P801	16/30 mesh Prop Pump Charge		165		188 10
P900	0.1 - 4 ppb Prop Conc Charge		4800		96 00
P901	4.1 - 8 ppb Prop Conc Charge		1200		120 00
SUB TOTAL					

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	% TAX ON \$	
MATERIALS	% TAX ON \$	
TOTAL		18863

SERVICE REPRESENTATIVE <i>Jerry Bennett</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>Center Oil</i> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
FIELD SERVICE ORDER NO.	

BASIC

energy services, L.P.

TREATMENT REPORT

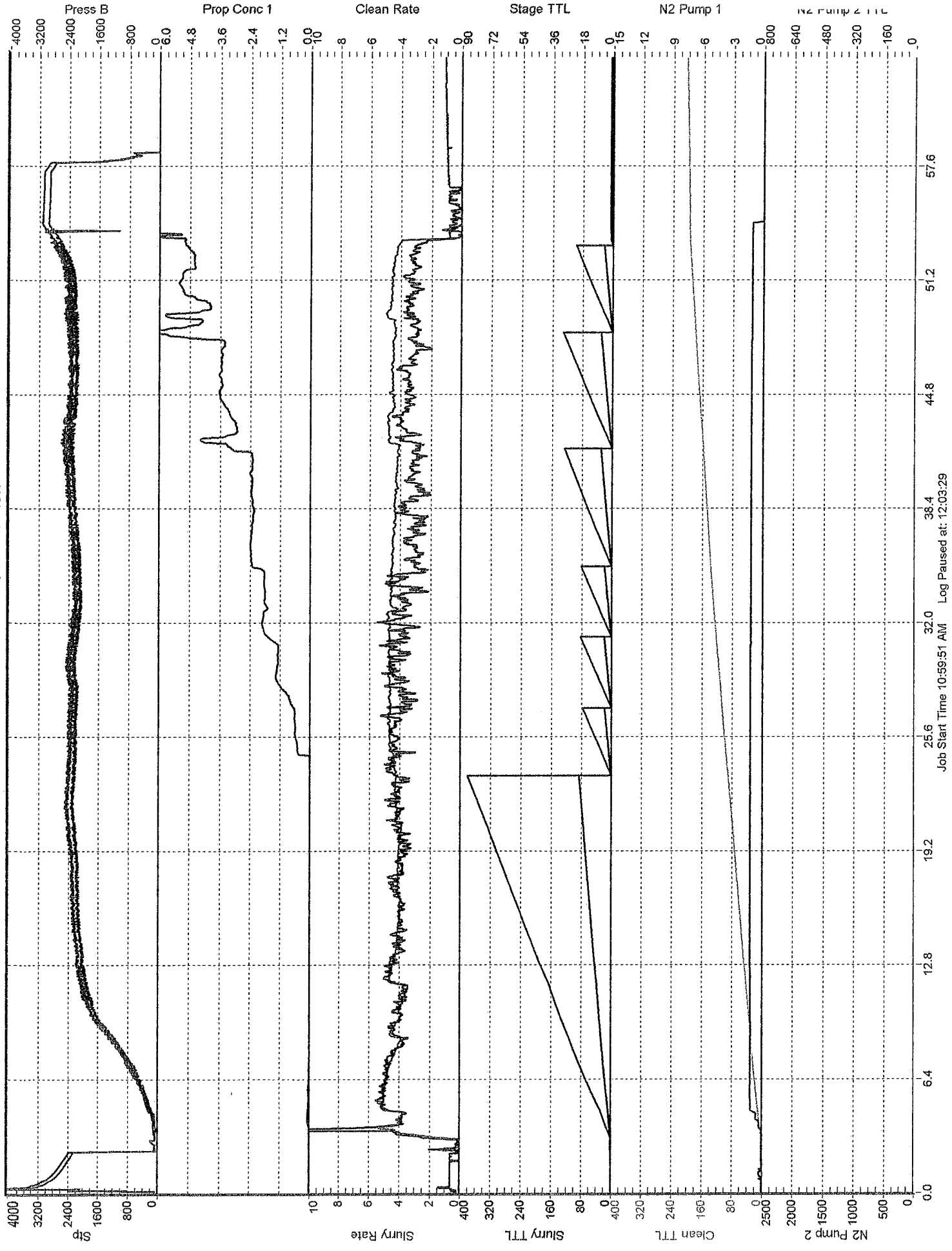
Customer Larioil and gas	Lease No.	Date 11-7-13
Lease Corinne	Well # 3-33	
Field Order # 4044	Station 1717	Casing 5 1/2
Type Job ZB-2	Formation Marrow	Depth 4336
		County Logan
		State KS
		Legal Description Sec 33-145-3200

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	Screened out
Depth 4336	Depth	From 4325	To 4336	Pre Pad	Max		5 Min.	
Volume 105.79	Volume	From	To	Pad 4000 gal 600 # 16130	Min		10 Min.	
Max Press 3000	Max Press	From	To	Frac 17,000 gal 600 # 16130	Avg		15 Min.	
Well Connection 5 1/2	Annulus Vol.	From	To	N2	HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush 0	Gas Volume		Total Load	23.5

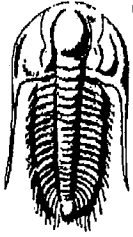
Customer Representative Cartiz	Station Manager Jerry Bennett	Treater J. Ortiz
Service Units 39878 20394 70192 70230 17978 70330 30325 12945		
Driver Names Troy Juan Hector Mario Edgar Ceaser		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:30					ON location
9:00					Safety Meeting & Rig up
11:07	3800				Prime up Ps) Test
11:03	106		1	5.3	Start 9,000 gal Pad
11:05	1177		24	10.0	Loaded
11:09	1650		30	10	established Rate
11:21	2320		86	10.1	Start 2,000 gal 1/4 # 16130
11:26	2302		105	10.6	Start 2000 gal 1/2 # 16130
11:30	2330		125	10.7	Start 2,000 gal 3/4 # 16130
11:32	2292		128	10.5	1/4 # 16130 OIB
11:34	2202		143	10.0	Start 3,000 gal # 16130
11:36	2282		147	10.5	1/2 # 16130 OIB
11:40	2377		166	10.3	3/4 # 16130 OIB
11:47	2437		172	10.2	Start 3,000 gal 1 1/2 # 16130
11:45	2350		185	10.4	1 # 16130 OIB
11:47	2371		201	10.5	Start 3,000 gal 2 # 16130
11:51	2431		214	10.6	1 1/2 # 16130 OIB
11:53	2650		230	10.7	Start 2,000 gal 2 # 16130
11:55	3100		235		shut Down Screened out

LARIO OIL AND GAS
CORINNE#3-33 - MARROW - 60Q N2 FOAM FRAC



Job Start Time 10:59:51 AM Log Paused at: 12:03:29



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company

33-14-32 Logan, Ks

301 S Market St
Wichita, Ks 67202

Corinne 3-33

Job Ticket: 54952

DST#: 1

ATTN: Steve Davis

Test Start: 2013.10.17 @ 17:48:33

GENERAL INFORMATION:

Formation: **Lansing B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:31:03

Time Test Ended: 00:15:03

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 60

Interval: **3723.00 ft (KB) To 3742.00 ft (KB) (TVD)**

Reference Elevations: 2733.00 ft (KB)

Total Depth: 3742.00 ft (KB) (TVD)

2728.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8373

Inside

Press@RunDepth: 37.14 psig @ 3724.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.17

End Date:

2013.10.18

Last Calib.:

2013.10.18

Start Time: 17:48:38

End Time:

00:15:02

Time On Btm:

2013.10.17 @ 19:29:33

Time Off Btm:

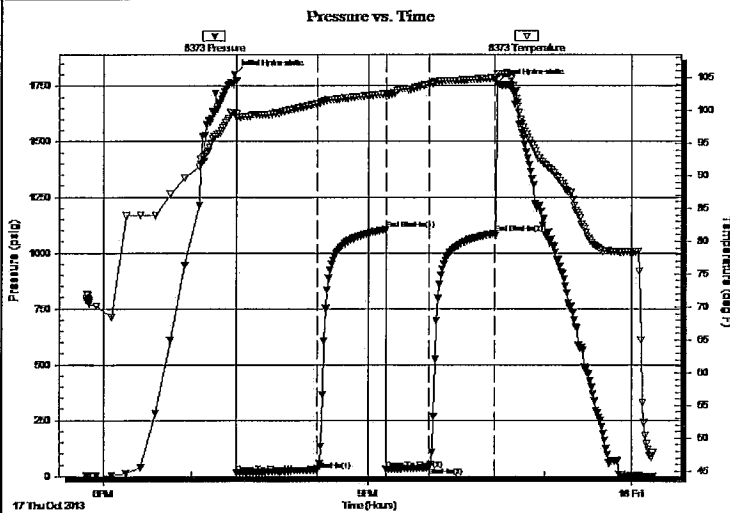
2013.10.17 @ 22:27:33

TEST COMMENT: IF: Surface blow died in 6 min.

IS: No return.

FF: No blow.

FS: No return



PRESSURE SUMMARY

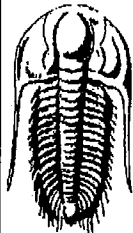
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1802.01	99.62	Initial Hydro-static
2	14.61	98.91	Open To Flow (1)
56	28.17	101.00	Shut-In(1)
103	1104.05	102.55	End Shut-In(1)
103	29.69	102.13	Open To Flow (2)
132	37.14	103.98	Shut-In(2)
177	1087.43	104.94	End Shut-In(2)
178	1760.09	105.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%m	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

33-14-32 Logan, Ks

301 S Market St
Wichita, Ks 67202

Corinne 3-33

Job Ticket: 54952

DST#: 1

ATTN: Steve Davis

Test Start: 2013.10.17 @ 17:48:33

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: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.80 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

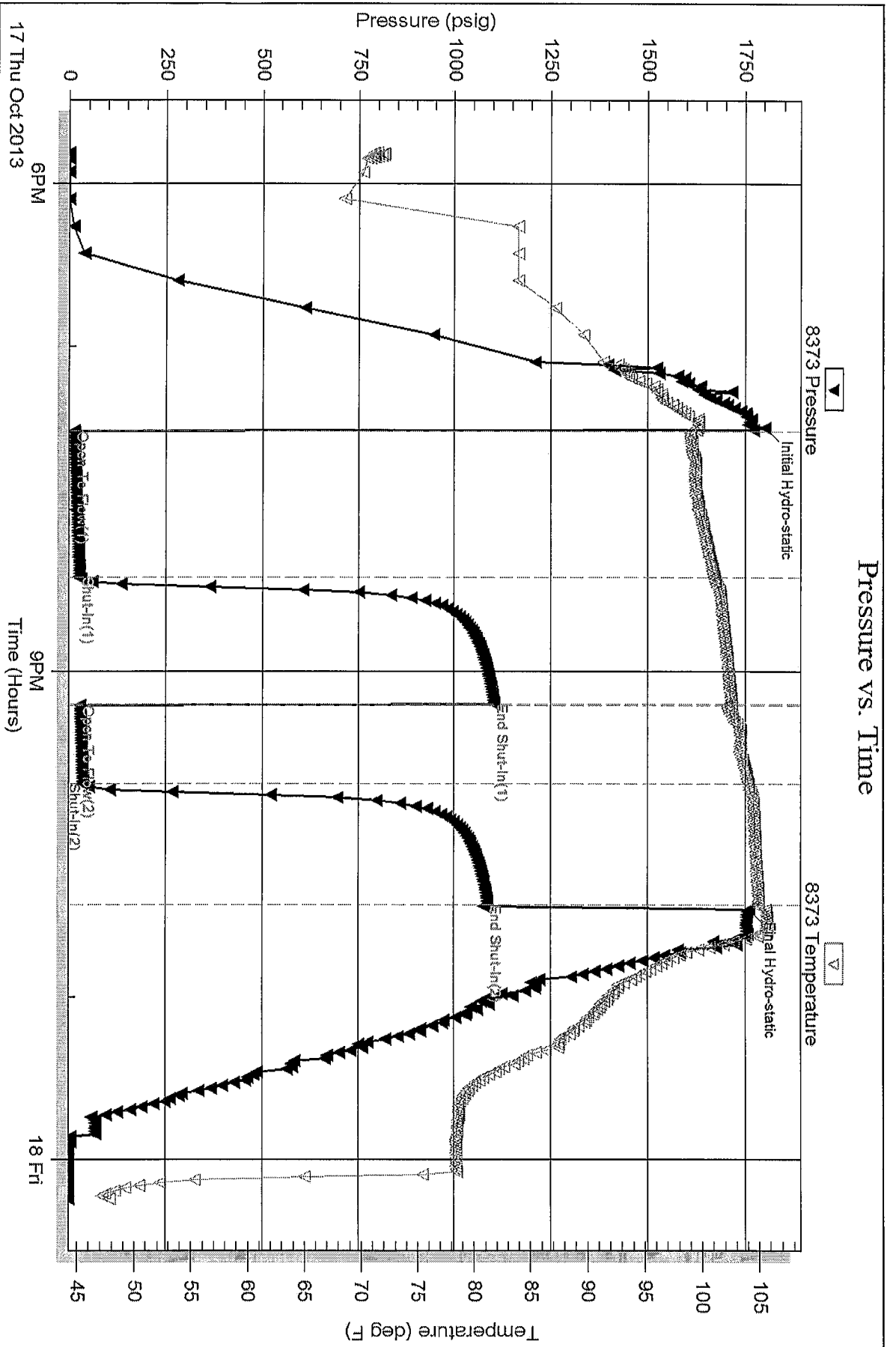
Length ft	Description	Volume bbl
10.00	mud 100%m	0.049

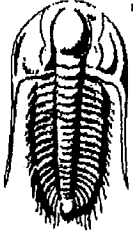
Total Length: 10.00 ft Total Volume: 0.049 bbl

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

33-14-32 Logan, Ks

301 S Market St
Wichita, Ks 67202

Corinne 3-33

Job Ticket: 54953

DST#: 2

ATTN: Steve Davis

Test Start: 2013.10.18 @ 09:45:00

GENERAL INFORMATION:

Formation: **Lansing D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:23:30

Time Test Ended: 15:23:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: **3778.00 ft (KB) To 3800.00 ft (KB) (TVD)**

Reference Elevations: 2733.00 ft (KB)

Total Depth: 3800.00 ft (KB) (TVD)

2728.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8373

Inside

Press@RunDepth: 20.01 psig @ 3779.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.18 End Date: 2013.10.18

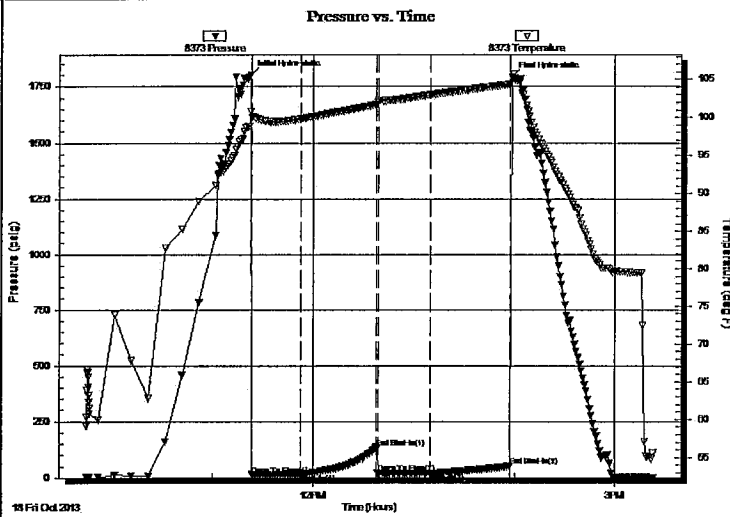
Last Calib.: 2013.10.18

Start Time: 09:45:05 End Time: 15:22:59

Time On Btm: 2013.10.18 @ 11:23:00

Time Off Btm: 2013.10.18 @ 13:58:00

TEST COMMENT: IF: 1/4 blow died in 10 min.
IS: No return.
FF: No blow.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1802.24	100.76	Initial Hydro-static
1	14.58	100.00	Open To Flow (1)
30	17.74	99.85	Shut-In(1)
75	134.45	101.70	End Shut-In(1)
76	19.21	102.04	Open To Flow (2)
107	20.01	102.99	Shut-In(2)
154	51.76	104.34	End Shut-In(2)
155	1791.38	105.30	Final Hydro-static

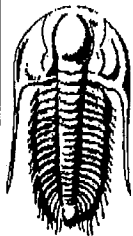
Recovery

Length (ft)	Description	Volume (bbl)
4.00	mud 100%m	0.02
1.00	free oil 100%o	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 Company

33-14-32 Logan, Ks

301 S Market St
Wichita, Ks 67202

Corinne 3-33

Job Ticket: 54953

DST#: 2

ATTN: Steve Davis

Test Start: 2013.10.18 @ 09:45:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 61.00 sec/qt
Water Loss: 6.79 in³
Resistivity: 0.00 ohm.m
Salinity: 2000.00 ppm
Filter Cake: 1.00 inches

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

Oil API: 0 deg API
Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	mud 100% _m	0.020
1.00	free oil 100% _o	0.005

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:

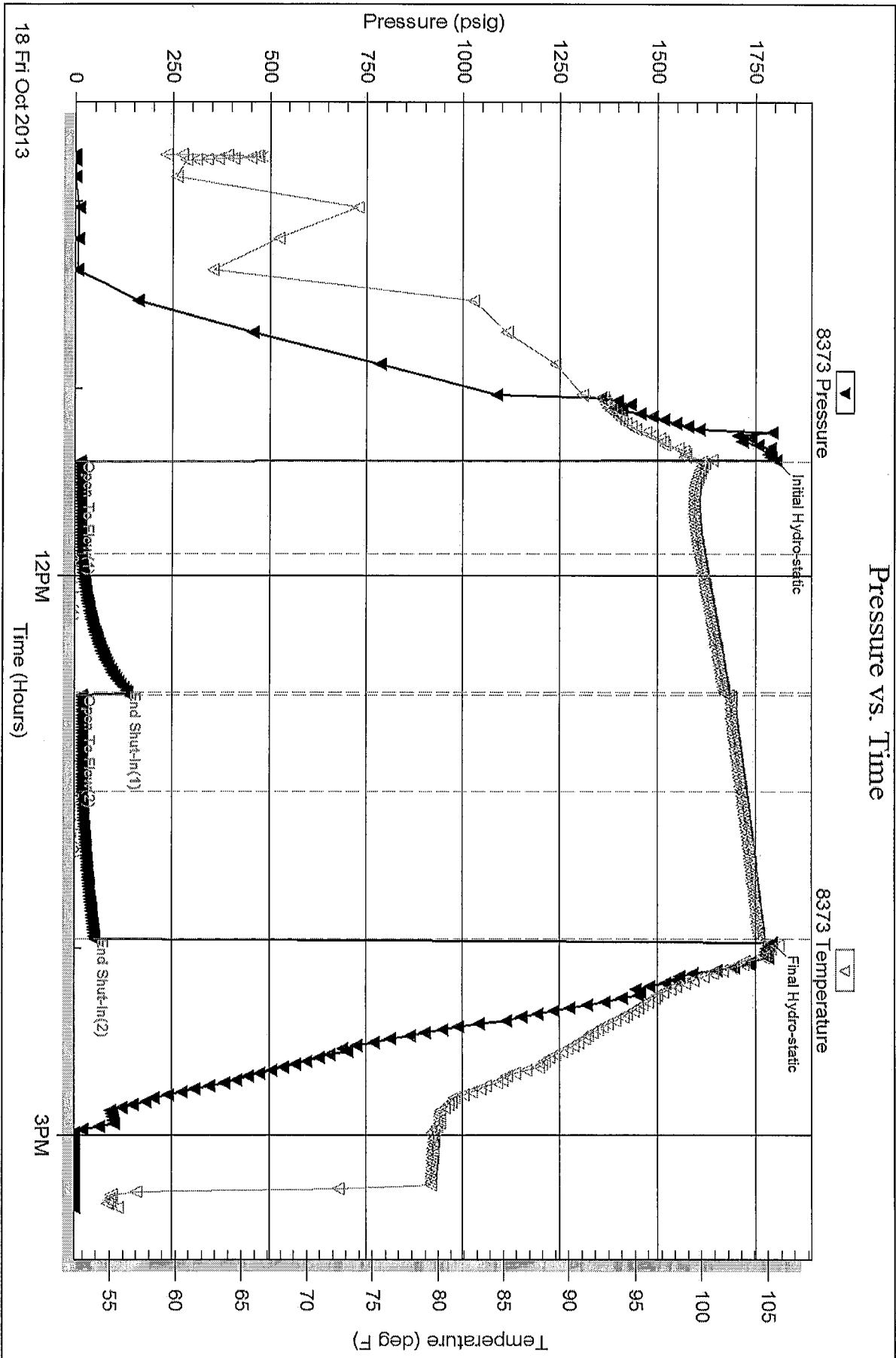
Serial #: 8373

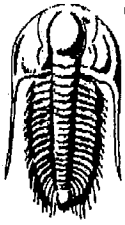
Inside

Lario Oil & Gas Company

Corinne 3-33

DST Test Number: 2





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company

33-14-32 Logan, Ks

301 S Market St
Wichita, Ks 67202

Corinne 3-33

Job Ticket: 54954

DST#: 3

ATTN: Steve Davis

Test Start: 2013.10.19 @ 03:36:34

GENERAL INFORMATION:

Formation: **Lansing H&I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:30:04

Time Test Ended: 10:14:04

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: **3860.00 ft (KB) To 3922.00 ft (KB) (TVD)**

Reference Elevations: 2733.00 ft (KB)

Total Depth: 3922.00 ft (KB) (TVD)

2728.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8373

Inside

Press@RunDepth: 121.63 psig @ 3861.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.19

End Date: 2013.10.19

Last Calib.: 2013.10.19

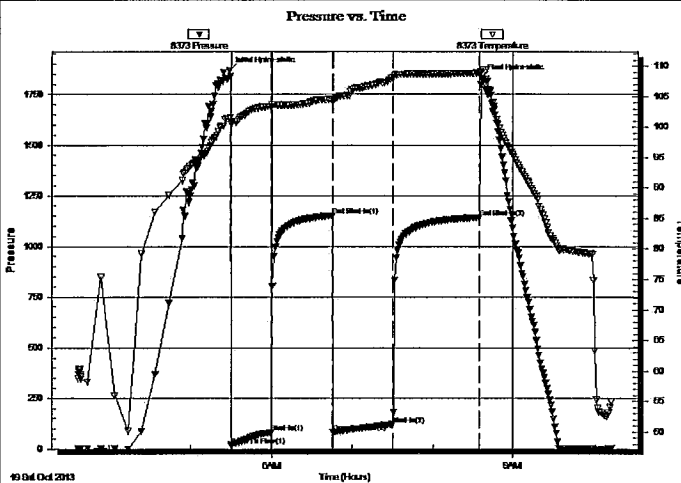
Start Time: 03:36:39

End Time: 10:14:03

Time On Btm: 2013.10.19 @ 05:28:34

Time Off Btm: 2013.10.19 @ 08:36:04

TEST COMMENT: IF: 1/4 blow built to 6.
IS: No return.
FF: 1/4 blow built to 9.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1869.17	101.41	Initial Hydro-static
2	17.57	100.44	Open To Flow (1)
31	80.60	103.36	Shut-In(1)
77	1152.21	104.60	End Shut-In(1)
77	83.09	104.30	Open To Flow (2)
122	121.63	108.10	Shut-In(2)
186	1142.83	108.88	End Shut-In(2)
188	1832.20	108.94	Final Hydro-static

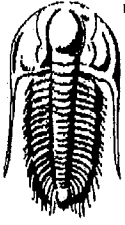
Recovery

Length (ft)	Description	Volume (bbl)
124.00	w cm 40%w 60%m	0.62
112.00	w cm 10%w 90%m	1.57

* 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

33-14-32 Logan, Ks

301 S Market St
Wichita, Ks 67202

Corinne 3-33

Job Ticket: 54954

DST#: 3

ATTN: Steve Davis

Test Start: 2013.10.19 @ 03:36:34

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: 31000 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.59 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 2400.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	w cm 40%w 60%m	0.619
112.00	w cm 10%w 90%m	1.571

Total Length: 236.00 ft Total Volume: 2.190 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: .33@47=31000

Serial #: 8373

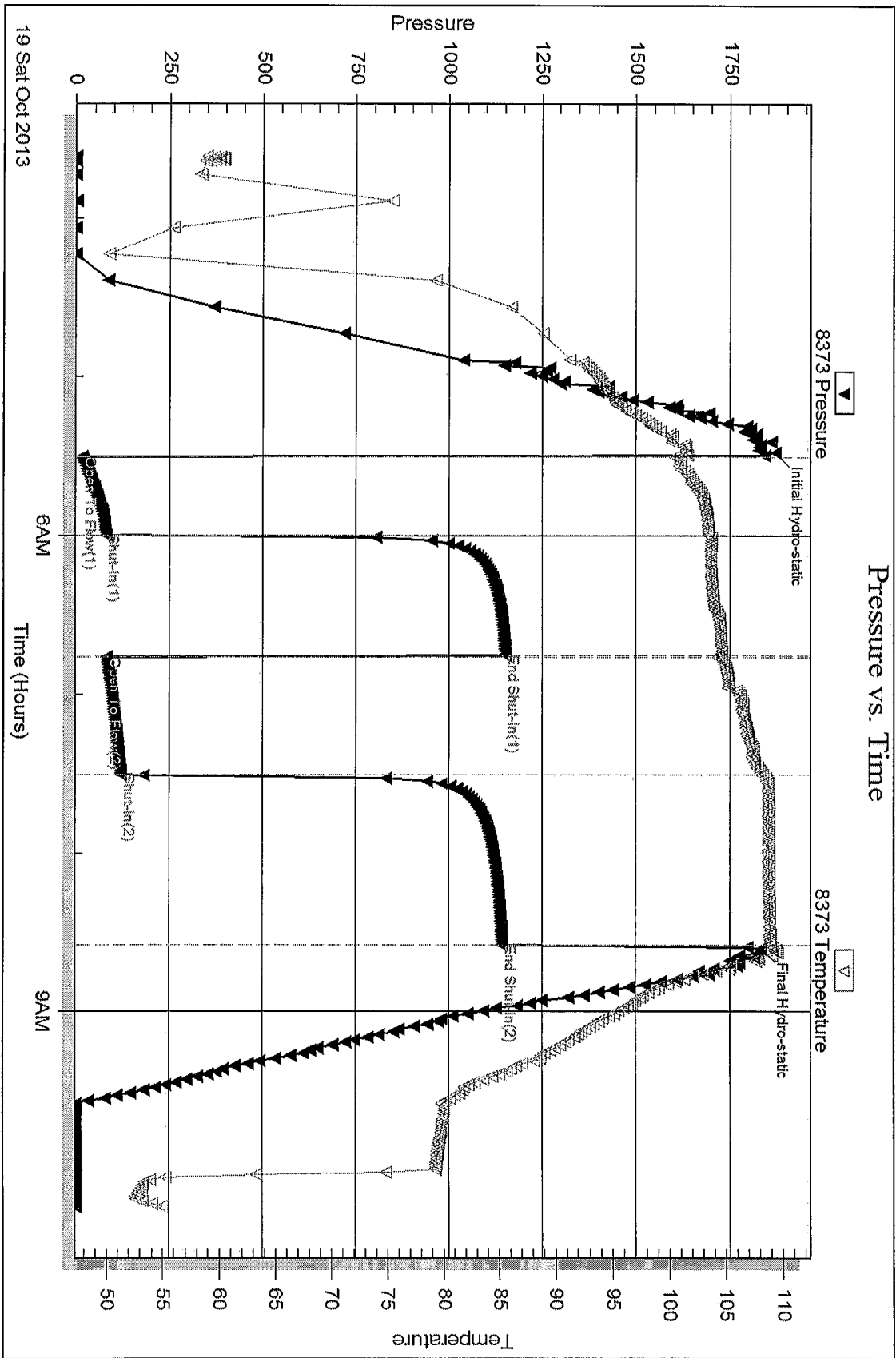
Inside

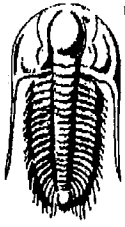
Lario Oil & Gas Company

Corrime 3-33

DST Test Number: 3

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company

33-14-32 Logan, Ks

301 S Market St
Wichita, Ks 67202

Corinne 3-33

Job Ticket: 54955

DST#: 4

ATTN: Steve Davis

Test Start: 2013.10.19 @ 18:03:52

GENERAL INFORMATION:

Formation: **Lansing K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:43:52

Time Test Ended: 23:51:52

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: **3956.00 ft (KB) To 3985.00 ft (KB) (TVD)**

Reference Elevations: 2733.00 ft (KB)

Total Depth: 3985.00 ft (KB) (TVD)

2728.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8373

Inside

Press@RunDepth: 19.38 psig @ 3957.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.19

End Date: 2013.10.19

Last Calib.: 2013.10.19

Start Time: 18:03:57

End Time: 23:51:51

Time On Btm: 2013.10.19 @ 19:42:52

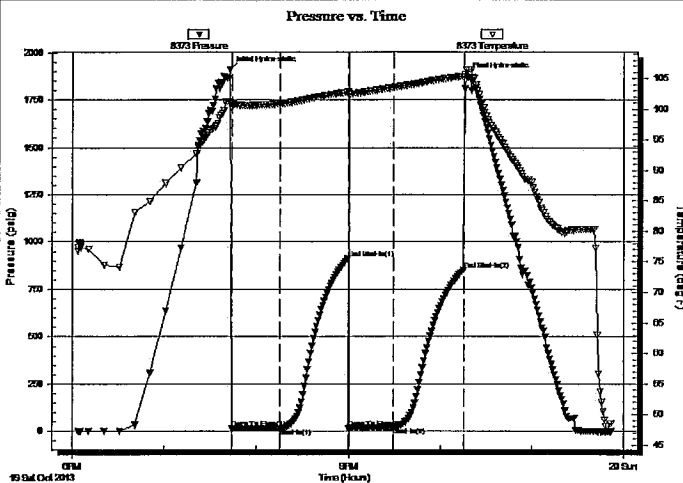
Time Off Btm: 2013.10.19 @ 22:16:22

TEST COMMENT: IF: Surface blow died in 9 min.

IS: No return.

FF: No blow.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1909.80	101.09	Initial Hydro-static
1	15.00	100.14	Open To Flow (1)
32	16.91	100.89	Shut-In(1)
77	912.11	102.78	End Shut-In(1)
77	18.39	102.42	Open To Flow (2)
107	19.38	103.52	Shut-In(2)
152	853.99	105.36	End Shut-In(2)
154	1874.13	106.34	Final Hydro-static

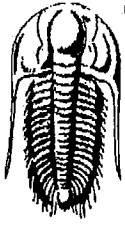
Recovery

Length (ft)	Description	Volume (bb)
5.00	mud oil spots 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

33-14-32 Logan, Ks

301 S Market St
Wichita, Ks 67202

Corinne 3-33

Job Ticket: 54955

DST#: 4

ATTN: Steve Davis

Test Start: 2013.10.19 @ 18:03:52

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: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 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 oil spots 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:

Serial #: 8373

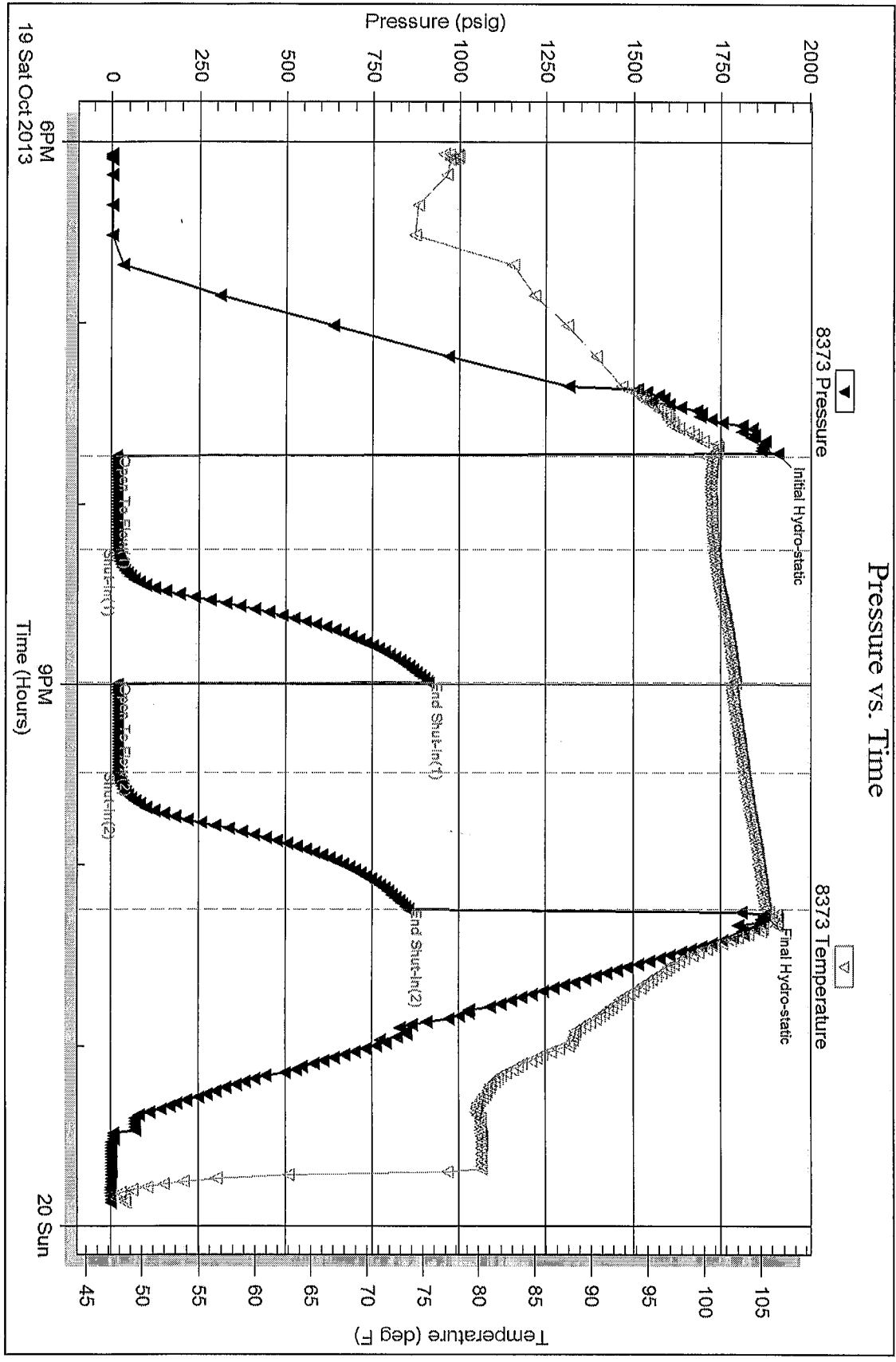
Inside

Larfo Oil & Gas Company

Corfme 3-33

DST Test Number: 4

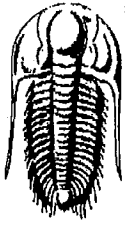
Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 54955

Printed: 2013.10.20 @ 06:09:55



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company

33-14-32 Logan, Ks

301 S Market St
Wichita, Ks 67202

Corinne 3-33

Job Ticket: 54956

DST#: 5

ATTN: Steve Davis

Test Start: 2013.10.20 @ 07:09:59

GENERAL INFORMATION:

Formation: **Lansing L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:55:29

Time Test Ended: 12:54:59

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: **3990.00 ft (KB) To 4020.00 ft (KB) (TVD)**

Total Depth: 4020.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2733.00 ft (KB)

2728.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8373

Inside

Press@RunDepth: 21.44 psig @ 3991.00 ft (KB)

Start Date: 2013.10.20

End Date: 2013.10.20

Start Time: 07:10:04

End Time: 12:54:58

Capacity: 8000.00 psig

Last Calib.: 2013.10.20

Time On Btm: 2013.10.20 @ 08:54:59

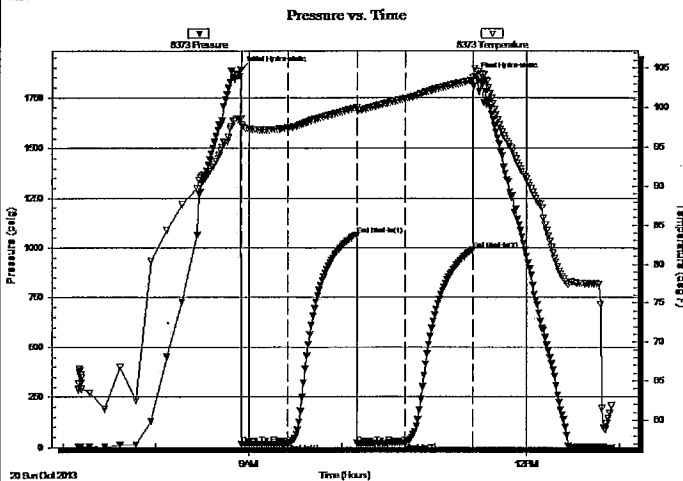
Time Off Btm: 2013.10.20 @ 11:25:59

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	1890.79	98.55	Initial Hydro-static
1	16.65	97.81	Open To Flow (1)
30	18.31	97.46	Shut-In(1)
75	1067.83	100.00	End Shut-In(1)
75	19.68	99.60	Open To Flow (2)
106	21.44	101.12	Shut-In(2)
150	991.81	103.48	End Shut-In(2)
151	1856.79	104.94	Final Hydro-static

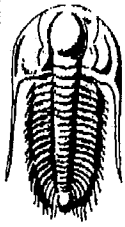
Recovery

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

33-14-32 Logan, Ks

301 S Market St
Wichita, Ks 67202

Corinne 3-33

Job Ticket: 54956

DST#: 5

ATTN: Steve Davis

Test Start: 2013.10.20 @ 07:09:59

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: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 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:

Serial #: 8373

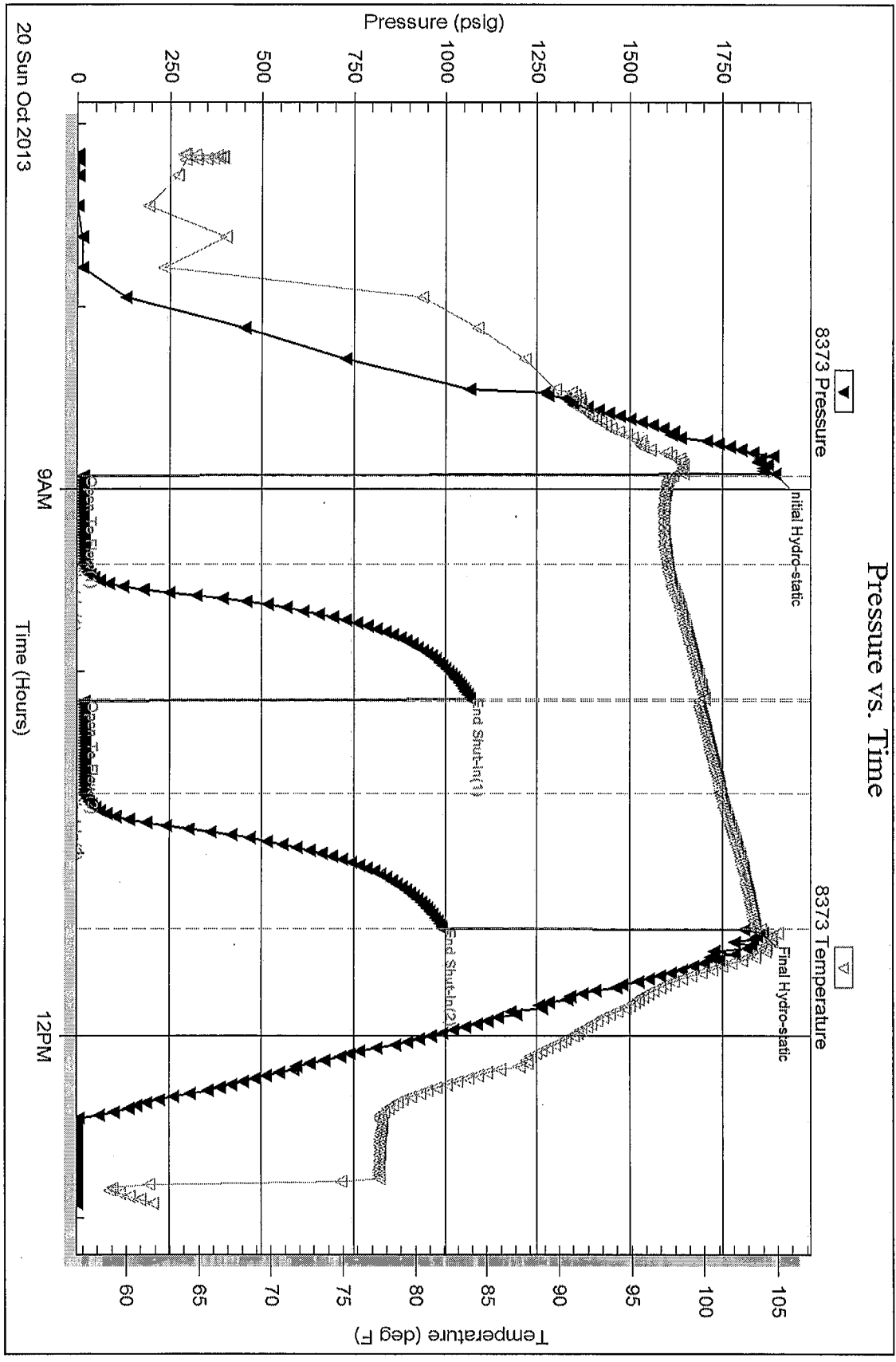
Inside

Lario Oil & Gas Company

Corfme 3-33

DST Test Number: 5

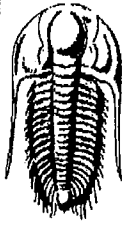
Pressure vs. Time



Trijobite Testing, Inc

Ref. No: 54956

Printed: 2013.10.20 @ 23:03:09



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

33-14-32 Logan, Ks

301 S Market St
Wichita, Ks 67202

Corinne 3-33

Job Ticket: 54957

DST#: 6

ATTN: Steve Davis

Test Start: 2013.10.20 @ 23:48:41

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:37:41

Time Test Ended: 07:09:41

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: **4047.00 ft (KB) To 4104.00 ft (KB) (TVD)**

Reference Elevations: 2733.00 ft (KB)

Total Depth: 4104.00 ft (KB) (TVD)

2728.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8373 Inside

Press@RunDepth: 136.21 psig @ 4048.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.20

End Date: 2013.10.21

Last Calib.: 2013.10.21

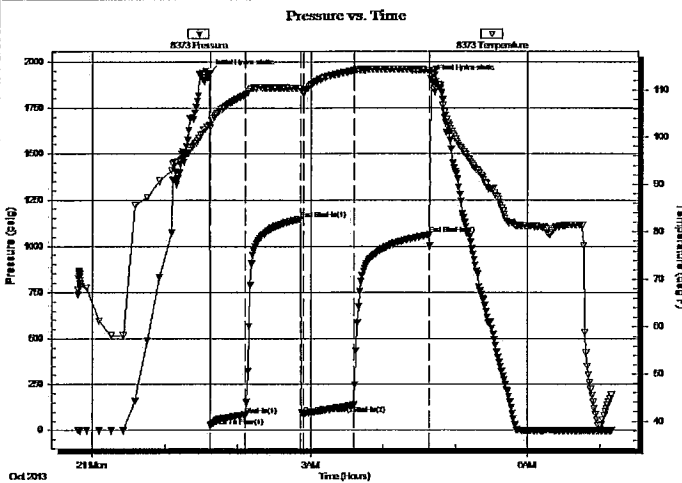
Start Time: 23:48:46

End Time: 07:09:40

Time On Btm: 2013.10.21 @ 01:37:11

Time Off Btm: 2013.10.21 @ 04:39:41

TEST COMMENT: IF: BOB in 13 min.
IS: Surface blow built to 3.
FF: BOB in 8 min.
FS: Surface blow built to 8.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1939.45	102.52	Initial Hydro-static
1	25.06	102.04	Open To Flow (1)
30	86.37	108.97	Shut-In(1)
75	1146.60	110.37	End Shut-In(1)
77	91.11	109.31	Open To Flow (2)
119	136.21	113.99	Shut-In(2)
181	1061.94	114.15	End Shut-In(2)
183	1909.69	113.77	Final Hydro-static

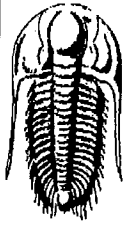
Recovery

Length (ft)	Description	Volume (bbl)
62.00	ocw m 20%o 30%w 50%m	0.30
124.00	ocm 20%o 80%m	1.18
124.00	go 40%g 60%o	1.74
0.00	1116 GIP	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 Company

33-14-32 Logan, Ks

301 S Market St
Wichita, Ks 67202

Corinne 3-33

Job Ticket: 54957

DST#: 6

ATTN: Steve Davis

Test Start: 2013.10.20 @ 23:48:41

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 33 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 40000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.80 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 2500.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	ocw m 20%o 30%w 50%m	0.305
124.00	ocm 20%o 80%m	1.184
124.00	go 40%g 60%o	1.739
0.00	1116 GIP	0.000

Total Length: 310.00 ft Total Volume: 3.228 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 31@40=33

.31@41=40000

Serial #: 8373

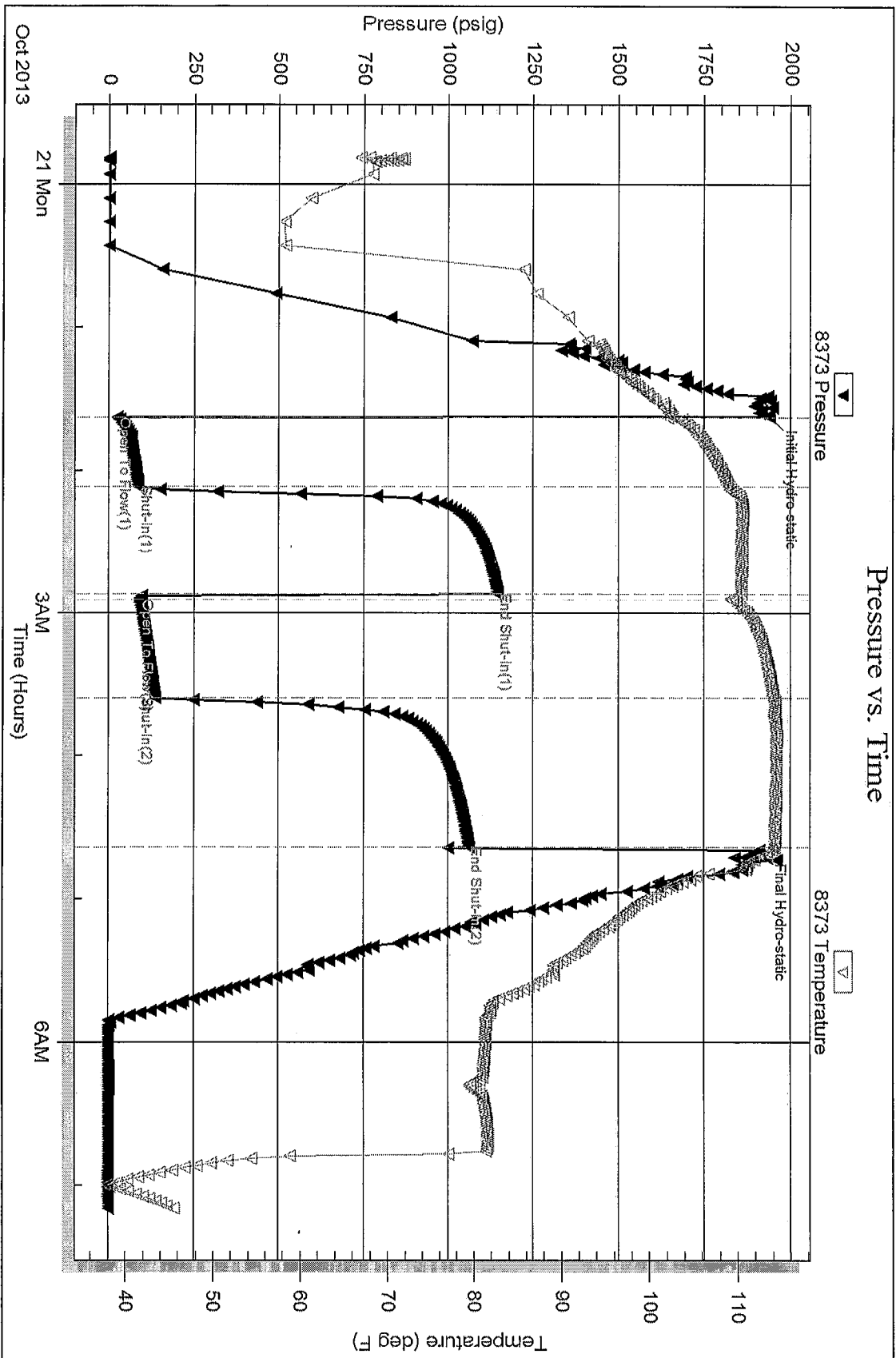
Inside

Lario Oil & Gas Company

Corline 3-33

DST Test Number: 6

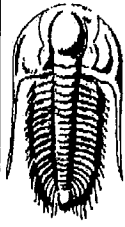
Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 54957

Printed: 2013.10.21 @ 07:52:12



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company

33-14-32 Logan, Ks

301 S Market St
Wichita, Ks 67202

Corinne 3-33

Job Ticket: 54985

DST#: 7

ATTN: Steve Davis

Test Start: 2013.10.21 @ 14:28:06

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:18:36

Time Test Ended: 20:57:36

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: **4105.00 ft (KB) To 4120.00 ft (KB) (TVD)**

Reference Elevations: 2733.00 ft (KB)

Total Depth: 4120.00 ft (KB) (TVD)

2728.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8373

Inside

Press@RunDepth: 30.34 psig @ 4106.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.21

End Date: 2013.10.21

Last Calib.: 2013.10.21

Start Time: 14:28:11

End Time: 20:57:35

Time On Btm: 2013.10.21 @ 16:18:06

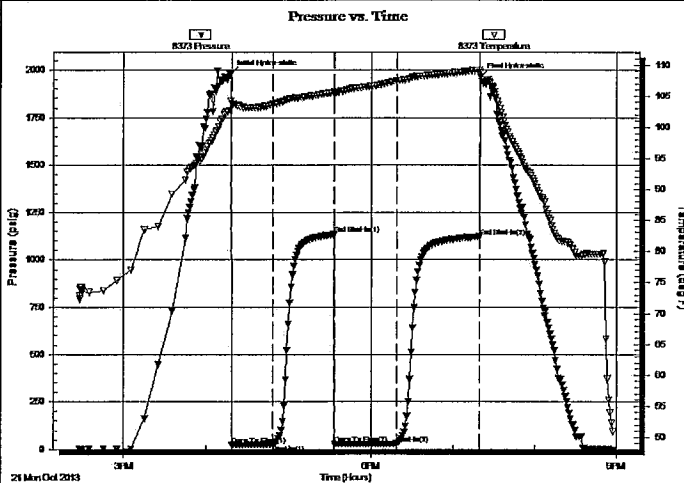
Time Off Btm: 2013.10.21 @ 19:20:06

TEST COMMENT: IF: Weak blow died in 5 min.

IS: No return.

FF: No blow.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1982.74	104.17	Initial Hydro-static
1	24.72	103.72	Open To Flow (1)
30	26.01	103.67	Shut-In(1)
75	1133.42	105.64	End Shut-In(1)
76	27.07	105.12	Open To Flow (2)
121	30.34	107.50	Shut-In(2)
181	1122.98	109.23	End Shut-In(2)
182	1964.01	108.91	Final Hydro-static

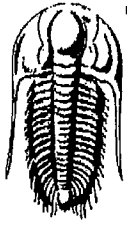
Recovery

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

33-14-32 Logan, Ks

301 S Market St
Wichita, Ks 67202

Corinne 3-33

Job Ticket: 54985

DST#: 7

ATTN: Steve Davis

Test Start: 2013.10.21 @ 14:28:06

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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.60 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 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:

Serial #: 8373

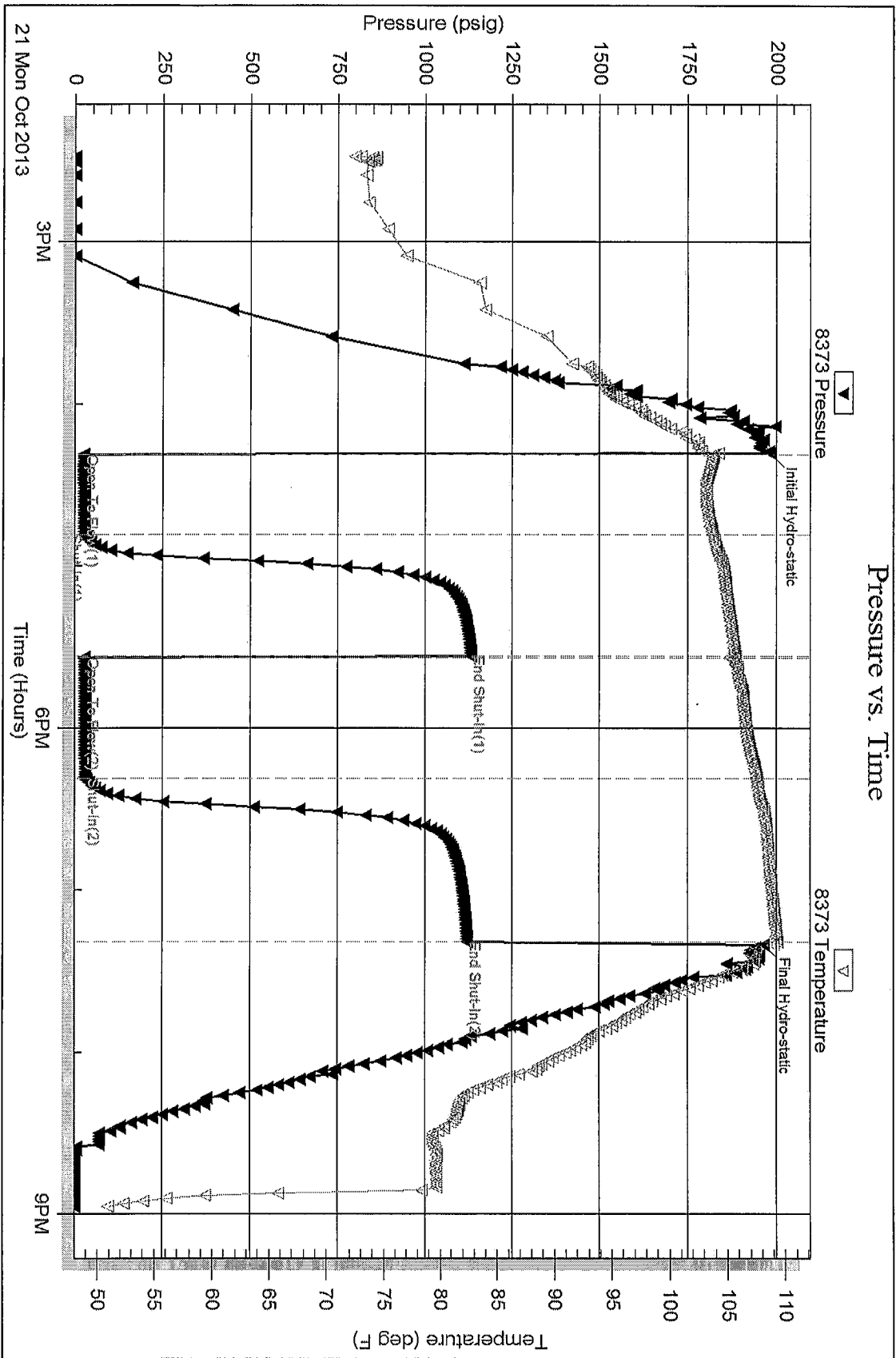
Inside

Lario Oil & Gas Company

Corfme 3-33

DST Test Number: 7

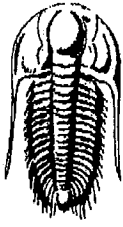
Pressure vs. Time



Triobite Testing, Inc

Ref. No: 54985

Printed: 2013.10.22 @ 00:18:08



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company

33-14-32 Logan, Ks

301 S Market St
Wichita, Ks 67202

Corinne 3-33

Job Ticket: 54959

DST#: 8

ATTN: Steve Davis

Test Start: 2013.10.22 @ 14:50:32

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:32:02

Time Test Ended: 20:44:02

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: **4256.00 ft (KB) To 4305.00 ft (KB) (TVD)**

Reference Elevations: 2733.00 ft (KB)

Total Depth: 4305.00 ft (KB) (TVD)

2728.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8373 Inside

Press@RunDepth: 38.83 psig @ 4257.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.22

End Date: 2013.10.22

Last Calib.: 2013.10.22

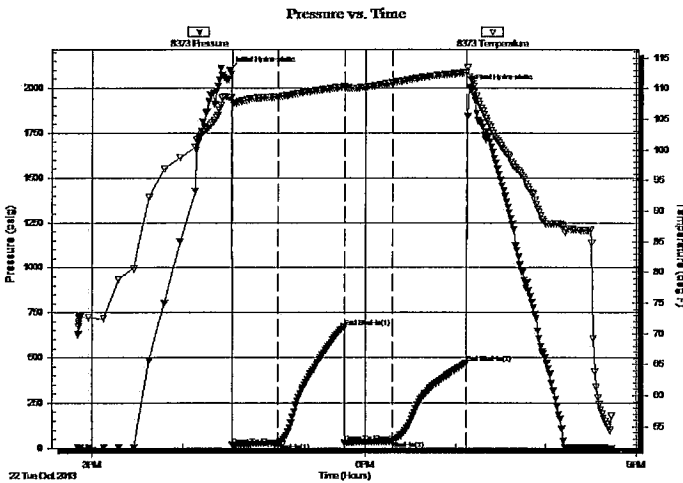
Start Time: 14:50:37

End Time: 20:44:01

Time On Btm: 2013.10.22 @ 16:30:32

Time Off Btm: 2013.10.22 @ 19:08:32

TEST COMMENT: IF: Weak blow died in 10 min.
IS: No return.
FF: No blow.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2097.67	108.50	Initial Hydro-static
2	17.27	107.69	Open To Flow (1)
32	28.12	108.69	Shut-In(1)
76	670.48	110.29	End Shut-In(1)
76	31.04	110.01	Open To Flow (2)
108	38.83	110.90	Shut-In(2)
156	470.71	112.62	End Shut-In(2)
158	2002.90	111.92	Final Hydro-static

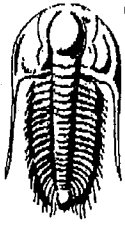
Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud oil spots 100% m	0.05

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 Company

33-14-32 Logan, Ks

301 S Market St
Wichita, Ks 67202

Corinne 3-33

Job Ticket: 54959

DST#: 8

ATTN: Steve Davis

Test Start: 2013.10.22 @ 14:50:32

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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.40 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2400.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud oil spots 100%m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

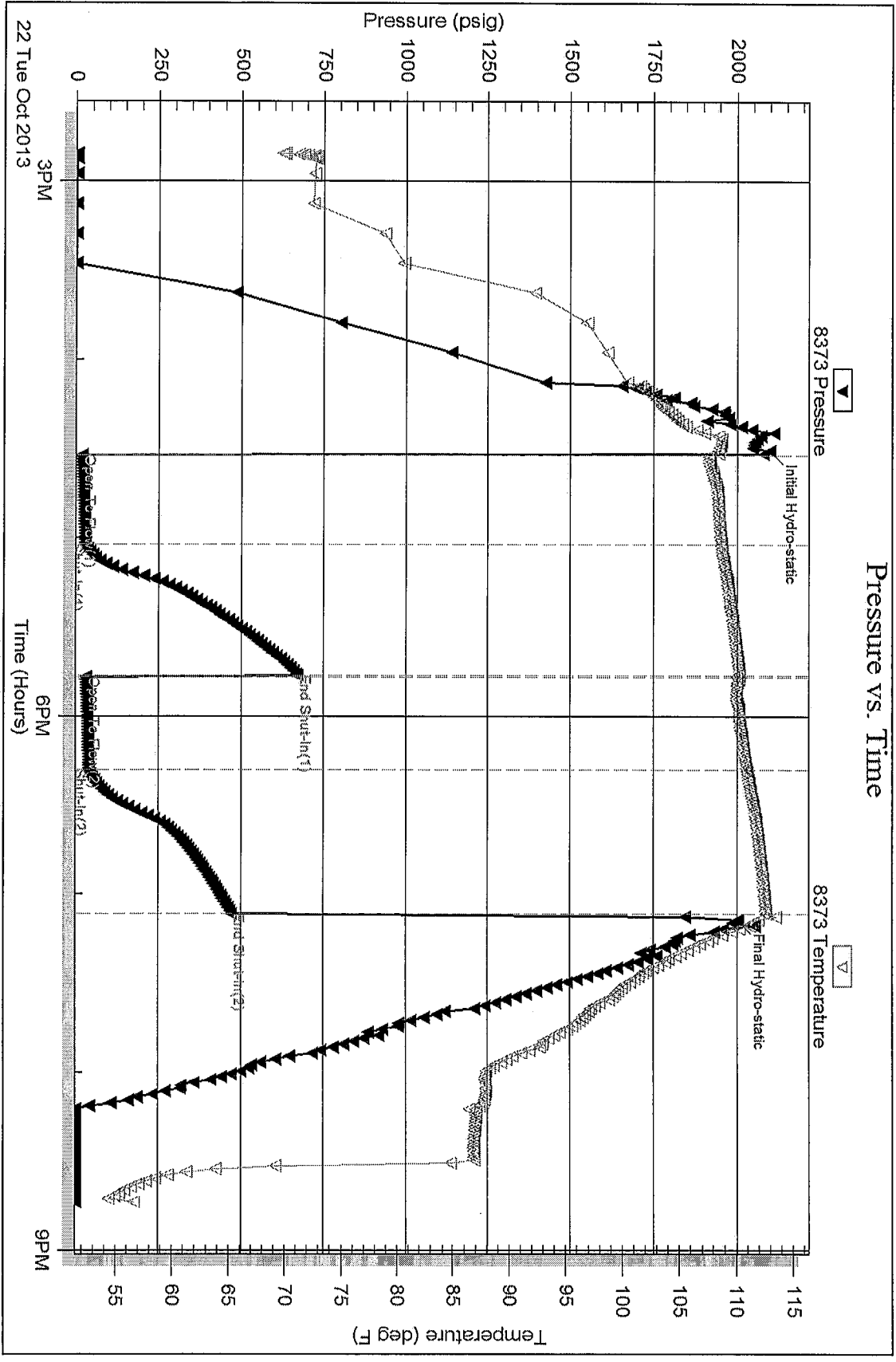
Serial #: 8373

Inside Larjo Oil & Gas Company

Corfime 3-33

DST Test Number: 8

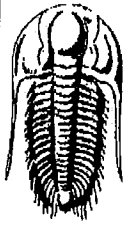
Pressure vs. Time



Triobite Testing, Inc

Ref. No: 54959

Printed: 2013.10.23 @ 11:31:29



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company

33-14-32 Logan, Ks

301 S Market St
Wichita, Ks 67202

Corinne 3-33

Job Ticket: 54960

DST#: 9

ATTN: Steve Davis

Test Start: 2013.10.23 @ 03:36:16

GENERAL INFORMATION:

Formation: **Basal Penn Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:44:46

Time Test Ended: 11:42:16

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: **4309.00 ft (KB) To 4336.00 ft (KB) (TVD)**

Total Depth: 4336.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2733.00 ft (KB)

2728.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8373

Inside

Press@RunDepth: 114.12 psig @ 4310.00 ft (KB)

Start Date: 2013.10.23

End Date: 2013.10.23

Start Time: 03:36:21

End Time: 11:42:15

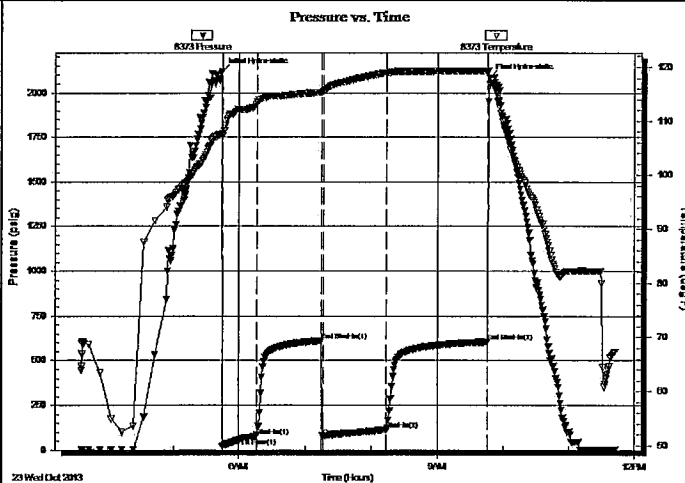
Capacity: 8000.00 psig

Last Calib.: 2013.10.23

Time On Btm: 2013.10.23 @ 05:44:16

Time Off Btm: 2013.10.23 @ 09:47:16

TEST COMMENT: IF: 1/4 blow built to 7.
IS: Surface blow built to 1/4.
FF: BOB in 31 min.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2119.53	107.71	Initial Hydro-static
1	20.36	107.17	Open To Flow (1)
32	76.53	113.37	Shut-In(1)
90	612.48	115.33	End Shut-In(1)
92	80.00	115.59	Open To Flow (2)
150	114.12	118.97	Shut-In(2)
241	606.52	119.33	End Shut-In(2)
243	2085.47	116.81	Final Hydro-static

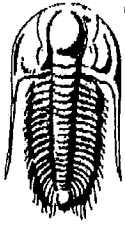
Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw 80%w 20%m	0.62
62.00	ocm 10%o 90%m	0.87
40.00	mcgo 5%g 55%o 40%m	0.56
0.00	217 GIP	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 Company

33-14-32 Logan, Ks

301 S Market St
Wichita, Ks 67202

Corinne 3-33

Job Ticket: 54960

DST#: 9

ATTN: Steve Davis

Test Start: 2013.10.23 @ 03:36:16

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: 38000 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.39 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 2400.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	mcw 80%w 20%m	0.619
62.00	ocm 10%o 90%m	0.870
40.00	mcgo 5%g 55%o 40%m	0.561
0.00	217 GIP	0.000

Total Length: 226.00 ft Total Volume: 2.050 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: .22@62=38000

Serial #: 8373

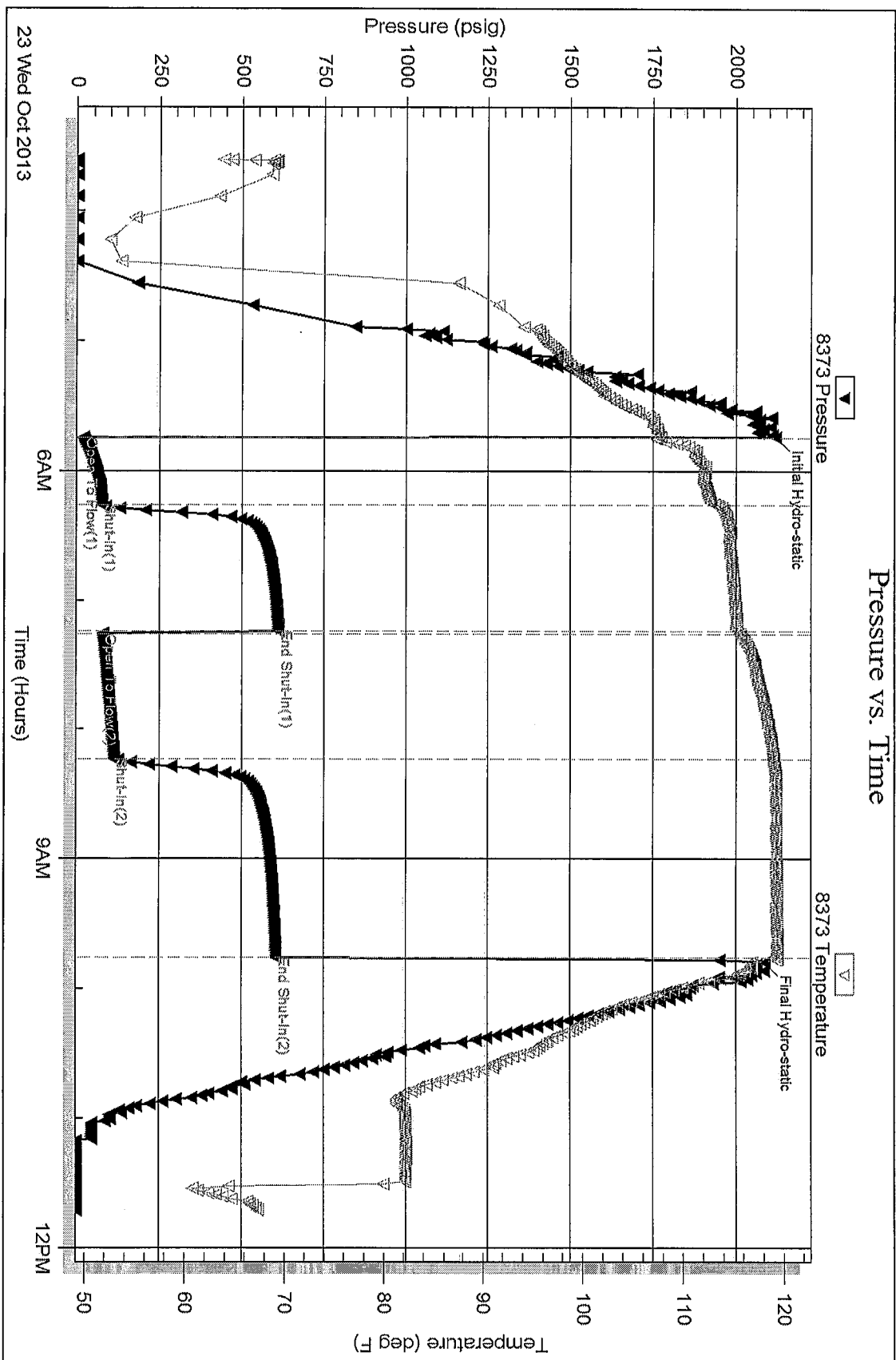
Inside

Larfo Oil & Gas Company

Corfime 3-33

DST Test Number: 9

Pressure vs. Time



Tribolite Testing, Inc

Ref. No: 54960

Printed: 2013.10.23 @ 12:00:44