

Confidentiality Requested:

☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1082547

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

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: _____

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

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:					

<div style="text-align: center;"> CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used </div> <div style="text-align: center;">Report all strings set-conductor, surface, intermediate, production, etc.</div>							
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 (Amount and Kind of Material Used)		Depth
TUBING RECORD: Size: Set At: Packer At:			Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No		
Date of First, Resumed Production, SWD or ENHR.		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<p>DISPOSITION OF GAS:</p> <p><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease</p> <p><i>(If vented, Submit ACO-18.)</i></p>		<p>METHOD OF COMPLETION:</p> <p><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled</p> <p><i>(Submit ACO-5)</i></p> <p><input type="checkbox"/> Other (Specify) _____</p>	<p>PRODUCTION INTERVAL:</p> <p>_____</p> <p>_____</p>
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Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Corinne 1-33
Doc ID	1082547

All Electric Logs Run

MAI/MFE
MML
MMS
MPD/MDN

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Corinne 1-33
Doc ID	1082547

Tops

Name	Top	Datum
Heebner	3625	-937
Lansing	3662	-974
Stark Sh	3919	-1231
Hushpuckney	3956	-1268
Base KC	4008	-1320
Marmaton	4048	-1360
Pawnee	4122	-1434
Ft. Scott	4150	-1462
Cherokee	4167	-1479
Johnson	4241	-1553
Morrow	4270	-1582
Basal Penn	4291	-1603
Mississippian	4304	-1616

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

June 28, 2012

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

Re: ACO1
API 15-109-21089-00-00
Corinne 1-33
SE/4 Sec.33-14S-32W
Logan 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 # 249544

Invoice Date: 05/09/2012 Terms: 15/15/30,n/30

Page 1

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

CORINNE 1-33
34521
33-14-32
05-07-2012
KS

AFE 12-123/ drilling
5-11-12 LK

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	160.00	17.6500	2824.00
1102	CALCIUM CHLORIDE (50#)	450.00	.8900	400.50
1118B	PREMIUM GEL / BENTONITE	300.00	.2500	75.00

Sublet Performed	Description	Total
9999-130	CASH DISCOUNT	-494.93
9999-130	CASH DISCOUNT	-239.25

Description	Hours	Unit Price	Total
399 CEMENT PUMP (SURFACE)	1.00	1135.00	1135.00
399 EQUIPMENT MILEAGE (ONE WAY)	10.00	5.00	50.00
460 MIN. BULK DELIVERY	1.00	410.00	410.00

Amount Due 5151.86 if paid after 06/08/2012

Parts:	3299.50	Freight:	.00	Tax:	218.76	AR	4379.08
Labor:	.00	Misc:	.00	Total:	4379.08		
Sublt:	-734.18	Supplies:	.00	Change:	.00		

Signed _____ Date _____

BARTLESVILLE, OK
918/338-0808

EL DORADO, KS
316/322-7022

EUREKA, KS
620/583-7664

PONCA CITY, OK
580/762-2303

OAKLEY, KS
785/672-2227

OTTAWA, KS
785/242-4044

THAYER, KS
620/839-5269

GILLETTE, WY
307/686-4914



FIELD TICKET & TREATMENT REPORT

CEMENT

TICKET NUMBER 34521
LOCATION Oakley, KS
FOREMAN Kelly Gabe

天

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-7-12	41793	Corinne 1-33	33	14	32	Logan
CUSTOMER			Oakley			
MAILING ADDRESS			235 1 W Ed N into			
CITY			TRUCK #	DRIVER	TRUCK #	DRIVER
			399	Damon M		
			460	Thomas B		

JOB TYPE <u>Surface</u>	HOLE SIZE <u>12 1/4</u>	HOLE DEPTH <u>228'</u>	CASING SIZE & WEIGHT <u>8 5/8 24 lb</u>
CASING DEPTH <u>225'</u>	DRILL PIPE _____	TUBING _____	OTHER _____
SLURRY WEIGHT <u>148</u>	SLURRY VOL _____	WATER gal/sk _____	CEMENT LEFT in CASING <u>20'</u>
DISPLACEMENT <u>13 bbl</u>	DISPLACEMENT PSI _____	MIX PSI _____	RATE _____

REMARKS: Safety meeting, rigged up on H2 drilling Rig[#] 3, hooked up to circulate, mixed 160 sks com 3% CC 2% gel, displaced with 13 bbl water, shut in, washed out pumps & lines, rigged down

APPROX 4661 TOPIC

cement and circle

Thank You
Kelly & crew

[illegible]

Ravin 3737

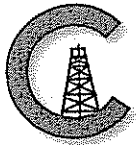
11:00 PM
AUTHORIZATION

249544

TITLE

DATE 5-7-12

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 # 249979

Page 1

Invoice Date: 05/22/2012 Terms: 15/15/30,n/30

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

CORINNE 1-33
34539
33-14-23
05-18-2012
KS

Pipe Set
AFE-12-123
Drilling
CK 5/24/12

Part Number	Description	Qty	Unit Price	Total
1126	OIL WELL CEMENT	160.00	22.5500	3608.00
1110A	KOL SEAL (50# BAG)	800.00	.5600	448.00
1118B	PREMIUM GEL / BENTONITE	2890.00	.2500	722.50
1107	FLO-SEAL (25#)	105.00	2.8200	296.10
1131	60/40 POZ MIX	420.00	15.1000	6342.00
4159	FLOAT SHOE AFU 5 1/2"	1.00	342.0000	342.00
4454	5 1/2" LATCH DOWN PLUG	1.00	465.0000	465.00
4130	CENTRALIZER 5 1/2"	9.00	58.0000	522.00
4104	CEMENT BASKET 5 1/2"	1.00	261.0000	261.00
4277	DV TOOL SIZE 5 1/2" (STA	1.00	4200.0000	4200.00
1144G	MUD FLUSH (SALE)	500.00	1.0000	500.00

Sublet Performed	Description	Total
9999-130	CASH DISCOUNT	-2655.99
9999-130	CASH DISCOUNT	-524.63

460	TON MILEAGE DELIVERY
T-118	SINGLE PUMP
T-118	EQUIPMENT MILEAGE (ONE WAY)

Hours	Unit Price	Total
1.00	427.50	427.50
1.00	3020.00	3020.00
10.00	5.00	50.00

Amount Due 22585.23 if paid after 06/21/2012

Parts:	17706.60	Freight:	.00	Tax:	1173.96	AR	19197.44
Labor:	.00	Misc:	.00	Total:	19197.44		
Sublt:	-3180.62	Supplies:	.00	Change:	.00		

Signed _____

Date _____

BARTLESVILLE, OK
619/138-8888

EL DORADO, KS
316/322-7022

EUREKA, KS
620/583-7664

PONCA CITY, OK
580/762-2303

OAKLEY, KS
785/672-2227

OTTAWA, KS
785/242-4044

THAYER, KS
620/839-5269

GILLETTE, WY
307/686-4914



CONSOLIDATED
Oil Well Services, LLC

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

TICKET NUMBER 34539

LOCATION Oakley, KS

FOREMAN Mikes Shur

Fuzzy McCullick

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-18-12	4793	Corimo #1-33	33	145	23 West	Logan
CUSTOMER <u>Largo Oil and Gas</u>						
MAILING ADDRESS <u>P.O. Box 1093</u>						
CITY <u>Garden City 1</u>	STATE <u>KS</u>	ZIP CODE <u>67846</u>				
			TRUCK #	DRIVER	TRUCK #	DRIVER
			456 T18	Bobby S		
			460	Sush G		
			528 T187	Wes F		

JOB TYPE 25 hrs. DV HOLE SIZE 7 7/8" HOLE DEPTH 4480 CASING SIZE & WEIGHT 5 1/2" 14#
CASING DEPTH 4436 DRILL PIPE 235 TUBING 1 1/2" 20 OTHER DV tool @ 2159'
SLURRY WEIGHT 13.8-12.5 SLURRY VOL 1.42-1.69 WATER gal/sk 6.9-10.8 CEMENT LEFT IN CASING 22' shoe joint
DISPLACEMENT 107.9 DISPLACEMENT PSI MIX PSI RATE

REMARKS: Safety meeting & Rig up on H2 drilling Rig #3 Run Plant Equipment
Centralizers @ 99, 96, 93, 90, 87, 84, 81, 51, 48. Bashed on SD DV tool on top of 49
Shoe joint 22' Run casing to bottom Circulate on bottom for 1 1/2 hrs. Mixed 100 SK
OWC / #5 Kolseal displaced 60 bbls water 47 bbls mud / 107 total bbls with 600 psi left in hole
Plus @ 1300 psi Drop bump 15 min cement @ 800 psi. Circulate for 3 hrs. Pump 5 BBL
water mix 300 SKS in BH. Mix 300 SKS 60/40 pos 800 psi 1 hr close.
Wash pump & lines Drop plug and displace 52 3/4 BBL water. 600 psi
1.5 hr close tool @ 1500 psi. Cement did circulate approx 8 BBL 90
psi

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3000.00	3000.00
5406	10	MILEAGE	50.00	500.00
5407A	25.6	ton delivery mileage	16.7	427.52
1126	100 SKS	OWC	22.55	3600.00
1110A	800 #	Kolseal	.56	448.00
1118B	2890 #	Bentonite seal	.25	722.50
1107	105 #	Flooseal	2.82	296.10
1131	420 SKS	60/40 Poz. Cement mix	15.10	6342.00
4159	1	AFU Float Shoe	342.00	342.00
4454	1	Latch down Assy "W"	465.00	465.00
4030	9	Centralizers 5 1/2" "W"	58.00	522.00
4104	1	8 1/2 Bashed "W"	24.00	24.00
4277	1	DV tool 5 1/2" "W"	4200.00	4200.00
1144C	500 gal	mud slush	1.00	500.00
		subtotal		1204.10
		less 15% discount		1023.48
		subtotal		1173.96
		SALES TAX		1173.96
		ESTIMATED TOTAL		1997.44

Ravin 3737

AUTHORIZATION Daim L. Daim

TITLE PRODUCTION Foreman

DATE 5/19/12

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

Friday, December 02, 2011
8:15 AM

cement bid for: LARIO OIL AND GAS

Type of job: PRODUCTION 41/2 4550' 1100' FILL DV@2200
Lease- CORINNE
County -LOGAN
State- KS
Legals-SEC 33-14S-32W

BOTTOM STAGE: 240 SKS OWC,5# KOLSEAL,500 GAL MUD FLUSH
YIELD 1.42 @13.8 PPG
TOP STAGE: 540 SKS 60/40POZ,8%GEL,1/4# FLOSEAL
YIELD 1.89 @12.5 PPG

Pump truck- 3,020.00
10 miles- 50.00
TOTAL= 3,070.00

240 SKS OWC -5,412.00
540 SKS 60/40-8,154.00
2784# GEL- 696.00
1200# KOLSEAL-672.00
135# FLOSEAL-380.70
500 GAL MUD
FLUSH - 500.00
34.50- TON
MILEAGE- 576.20
TOTAL= 16,390.90

FLOAT EQUIPMENT 51/2
1-AFU FLOAT SHOE-342.00
1-LATCH DOWN ASSY-465.00
9-CENTRALIZERS -414.00
1-BASKET -261.00
1-DV TOOL -4,200.00
TOTAL= 5,682.00

PUMPTRUCK-3,070.00
MATERIAL- 16,390.90
FLOAT EQUIPMENT- 5,682.00
SUB TOTAL-25,142.90
LESS 15% - 3,771.44
TOTAL= 21,371.46

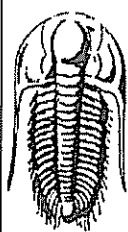
TAX INCLUDED AT INVOICING

BID BY: WALT DINI

to address
on ticket

PLEASE

TAGS
Rusty



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas

301 S. Market St.
Wichita Ks 67202

ATTN: Steve Davis

33-14-32 Logan Co KS

Corinne 1-33

Job Ticket: 46558

DST#: 1

Test Start: 2012.05.11 @ 12:35:05

GENERAL INFORMATION:

Formation: "B"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:26:15

Time Test Ended: 19:31:59

Interval: 3692.00 ft (KB) To 3720.00 ft (KB) (TVD)

Total Depth: 3720.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 48

Reference Elevations: 2688.00 ft (KB)

2680.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8736

Inside

Press@RunDepth: 380.22 psig @ 3693.00 ft (KB)

Start Date: 2012.05.11

End Date:

2012.05.11

Start Time: 12:35:05

End Time:

19:31:59

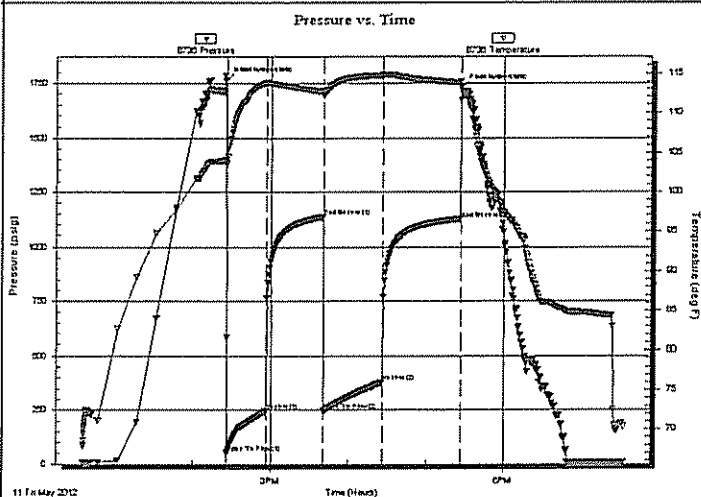
Capacity: 8000.00 psig

Last Calib.: 2012.05.11

Time On Blm: 2012.05.11 @ 14:25:45

Time Off Blm: 2012.05.11 @ 17:27:14

TEST COMMENT: IF:BOB in 5 min
IS:Return blow built to weak surface blow and died in 15 min
FF:BOB in 8 min
FS:Return blow built to weak surface blow



PRESSURE SUMMARY

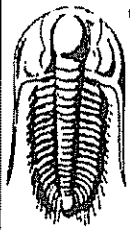
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1762.50	104.12	Initial Hydro-static
1	51.70	103.73	Open To Flow (1)
31	244.91	113.73	Shut-In(1)
75	1134.75	112.63	End Shut-In(1)
75	247.68	112.19	Open To Flow (2)
121	380.22	114.75	Shut-In(2)
181	1123.88	113.82	End Shut-In(2)
182	1726.77	113.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	sw 100% sw	1.52
62.00	ocmw 5%o 10%m 85%w	0.87
186.00	gcomw 5%g 5%o 40%m 50%w	2.61
186.00	gcow m 5%g 5%o 40%w 50%m	2.61
15.00	Free Oil 100%	0.21

Gas Rates

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

DRILL STEM TEST REPORT

Lario Oil & Gas

301 S. Market St.
Wichita Ks 67202

ATTN: Steve Davis

33-14-32 Logan Co KS

Corinne 1-33

Job Ticket: 46558

DST#: 1

Test Start: 2012.05.11 @ 12:35:05

GENERAL INFORMATION:

Formation: "B"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:26:15

Time Test Ended: 19:31:59

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 48

Interval: 3692.00 ft (KB) To 3720.00 ft (KB) (TVD)

Total Depth: 3720.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2688.00 ft (KB)

2680.00 ft (CF)

KB to GRVCF: 8.00 ft

Serial #: 6668

Outside

Press@RunDepth: psig @ 3693.00 ft (KB)

Start Date: 2012.05.11

End Date:

2012.05.11

Capacity: 8000.00 psig

Last Calib.:

2012.05.11

Start Time: 12:35:15

End Time:

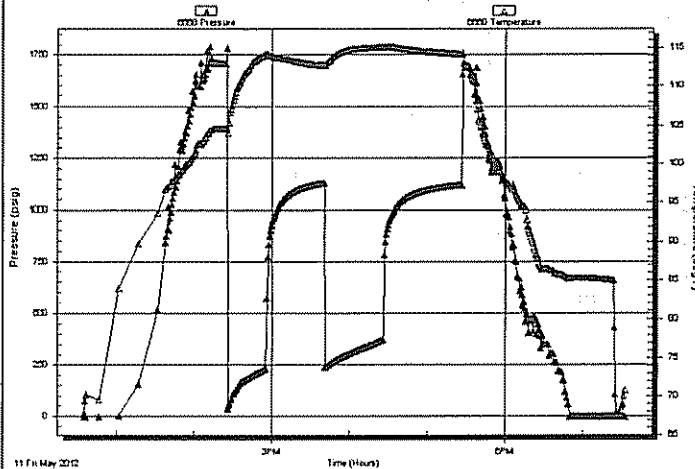
19:32:15

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:BOB in 5 min
IS:Return blow built to weak surface blow and died in 15 min
FF:BOB in 8 min
FS:Return blow built to weak surface blow

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
310.00	sw 100% sw	1.52
62.00	ocmw 5%o 10%m 85%w	0.87
186.00	gcomw 5%g 5%o 40%m 50%w	2.61
186.00	gcow m 5%g 5%o 40%w 50%m	2.61
15.00	Free Oil 100%o	0.21

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas

33-14-32 Logan Co KS

301 S. Market St.
Wichita Ks 67202

Corinne 1-33

Job Ticket: 46558

DST#: 1

ATTN: Steve Davis

Test Start: 2012.05.11 @ 12:35:05

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:

10000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filler Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	sw 100% sw	1.525
62.00	ocmw 5%o 10%m 85%w	0.870
186.00	gcomw 5%g 5%o 40%m 50%w	2.609
186.00	gcow m 5%g 5%o 40%w 50%m	2.609
15.00	Free Oil 100%o	0.210

Total Length: 759.00 ft

Total Volume: 7.823 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .65@ 72.1*=10,000 ppm

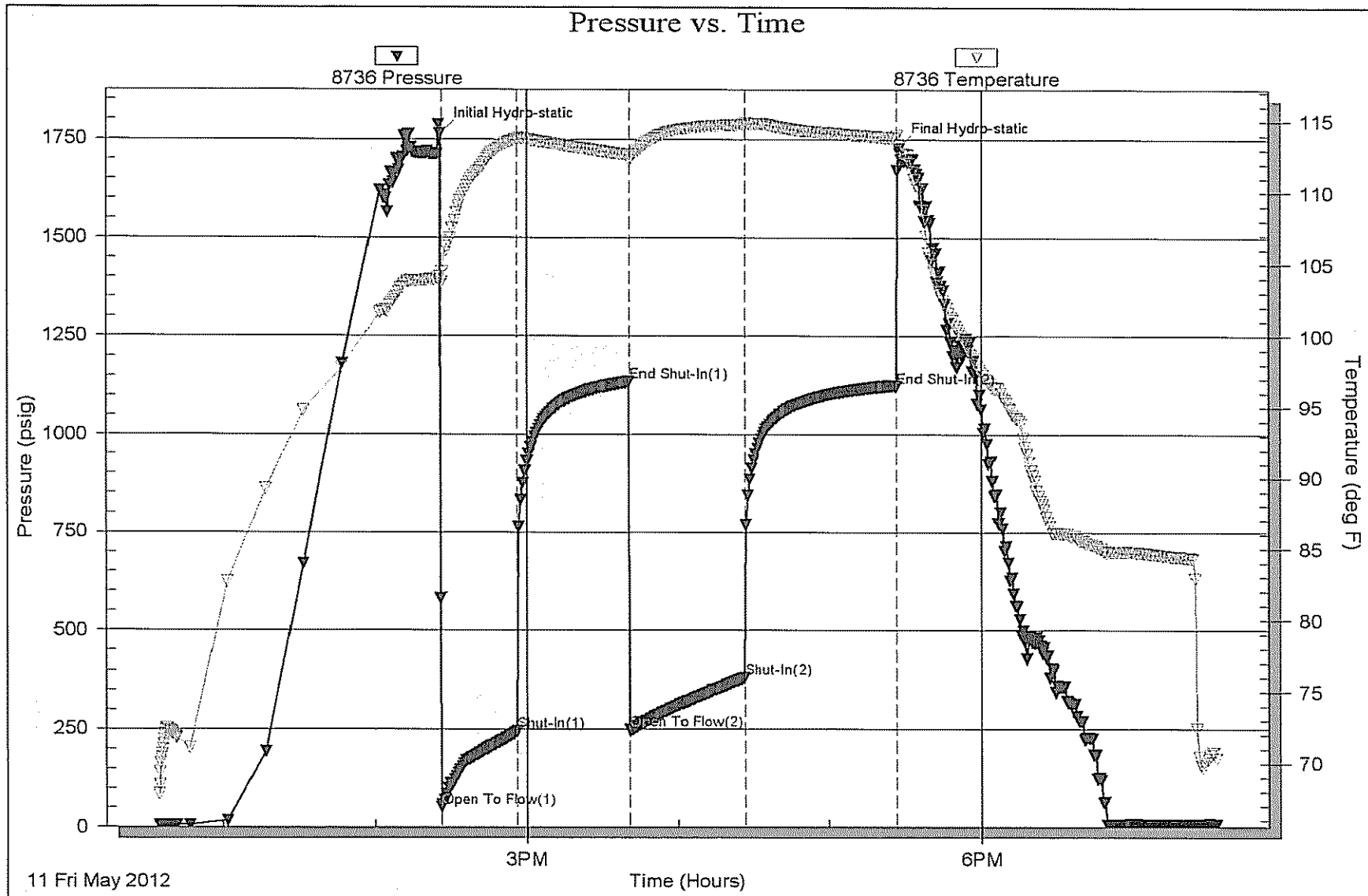
Serial #: 8736

Inside

Lario Oil & Gas

Corinne 1-33

DST Test Number: 1

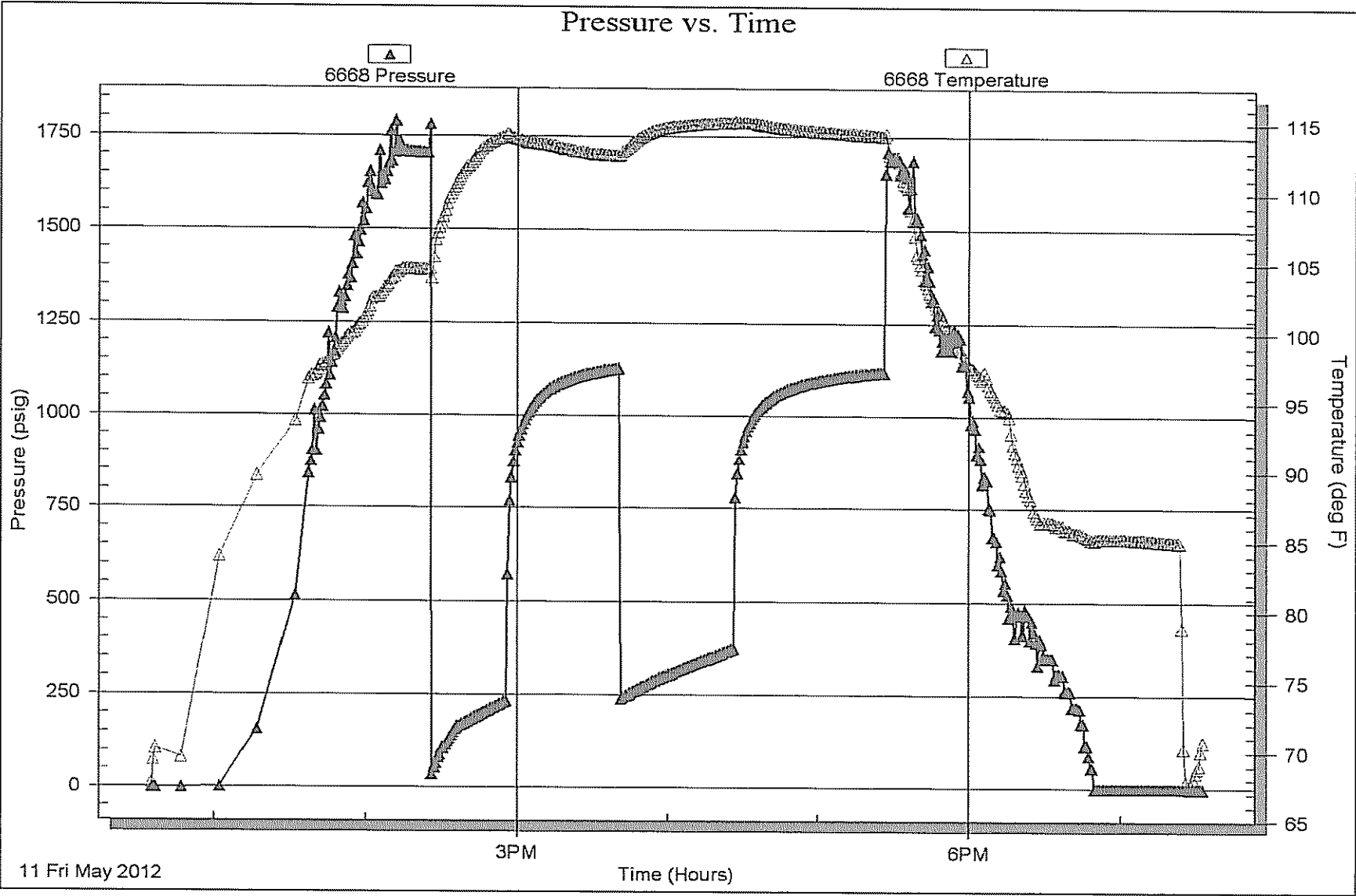


Serial #: 6668

Outside Lario Oil & Gas

Corinne 1-33

DST Test Number: 1





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas

301 S. Market St.
Wichita Ks 67202

ATTN: Steve Davis

33-14-32 Logan Co KS

Corinne 1-33

Job Ticket: 46559

DST#: 2

Test Start: 2012.05.12 @ 04:19:05

GENERAL INFORMATION:

Formation: "D"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:50:00

Time Test Ended: 11:33:29

Interval: 3742.00 ft (KB) To 3766.00 ft (KB) (TVD)

Total Depth: 3766.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 48

Reference Elevations: 2688.00 ft (KB)

2680.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8736

Inside

Press@RunDepth: 85.95 psig @ 3743.00 ft (KB)

Start Date: 2012.05.12

End Date:

2012.05.12

Start Time: 04:19:05

End Time:

11:33:29

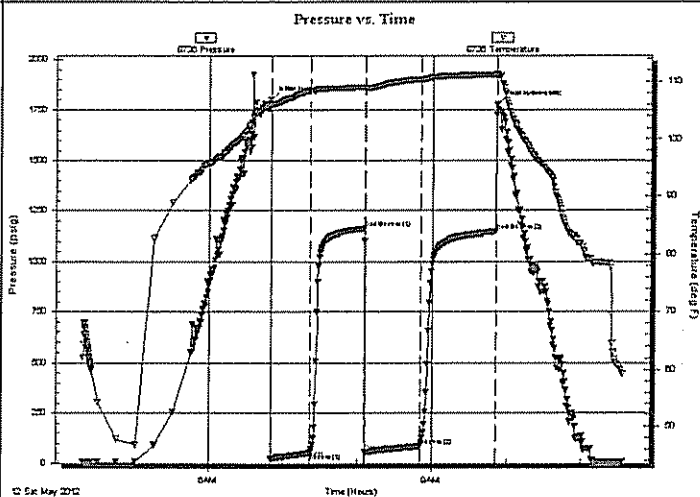
Capacity: 8000.00 psig

Last Calib.: 2012.05.12

Time On Blmt: 2012.05.12 @ 06:49:45

Time Off Blmt: 2012.05.12 @ 09:51:44

TEST COMMENT: IF: Built to 1/4" blow
IS: No return blow
FF: Built to weak surface blow
FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1802.10	106.14	Initial Hydro-static
1	22.03	105.61	Open To Flow (1)
32	51.86	108.41	Shut-In(1)
76	1161.46	108.97	End Shut-In(1)
76	56.34	108.65	Open To Flow (2)
121	85.95	110.28	Shut-In(2)
181	1146.37	111.14	End Shut-In(2)
182	1776.77	111.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	free oil 100%	0.59
60.00	mco 30% m 70%	0.30

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Lario Oil & Gas

ATTN: Steve Davis

Corinne 1-33

Job Ticket: 46559

DST#: 2

Test Start: 2012.05.12 @ 04:19:05

Formation: "D"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:50:00

Time Test Ended: 11:33:29

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 48

Interval: 3742.00 ft (KB) To 3766.00 ft (KB) (TVD)

Total Depth: 3766.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2688.00 ft (KB)

2680.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6668

Outside

Press@RunDepth: psig @ 3743.00 ft (KB)

Start Date: 2012.05.12 End Date: 2012.05.12

Capacity: 8000.00 psig

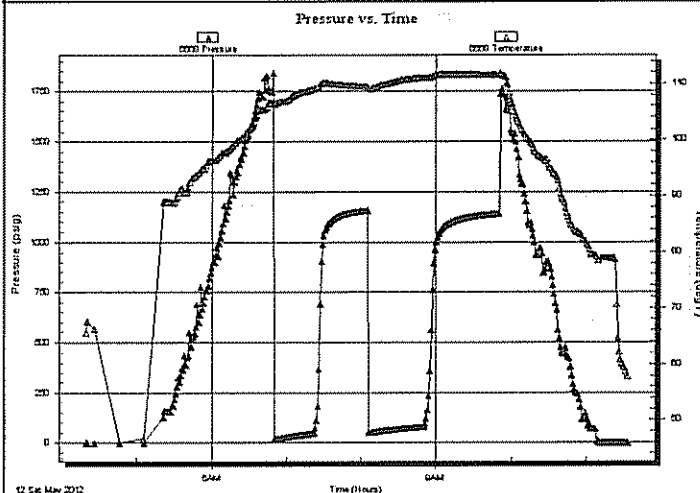
Last Calib.: 2012.05.12

Start Time: 04:19:15 End Time: 11:33:45

Time On Btm:

Time Off Balance

TEST COMMENT: IF:Built to 1/4" blow
IS:No return blow
FF:Built to weak surface blow
FS:No return blow



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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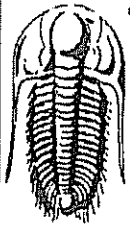
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	0	0	
1	0	0	
2	0	0	
3	0	0	
4	0	0	
5	0	0	
6	0	0	
7	0	0	
8	0	0	
9	0	0	
10	0	0	
11	0	0	
12	0	0	
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89	0	0	
90	0	0	
91	0	0	
92	0	0	
93	0	0	
94	0	0	
95	0	0	
96	0	0	
97	0	0	
98	0	0	
99	0	0	
100	0	0	

Length (ft)	Description	Volume (bbl)
120.00	free oil 100%o	0.59
60.00	mco 30%fm 70%o	0.30

- Recovery from multiple tests

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas

33-14-32 Logan Co KS

301 S. Market St.
Wichita Ks 67202

Corinne 1-33

Job Ticket: 46559

DST#: 2

ATTN: Steve Davis

Test Start: 2012.05.12 @ 04:19:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	free oil 100%o	0.590
60.00	mco 30% m 70%o	0.295

Total Length: 180.00 ft

Total Volume: 0.885 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

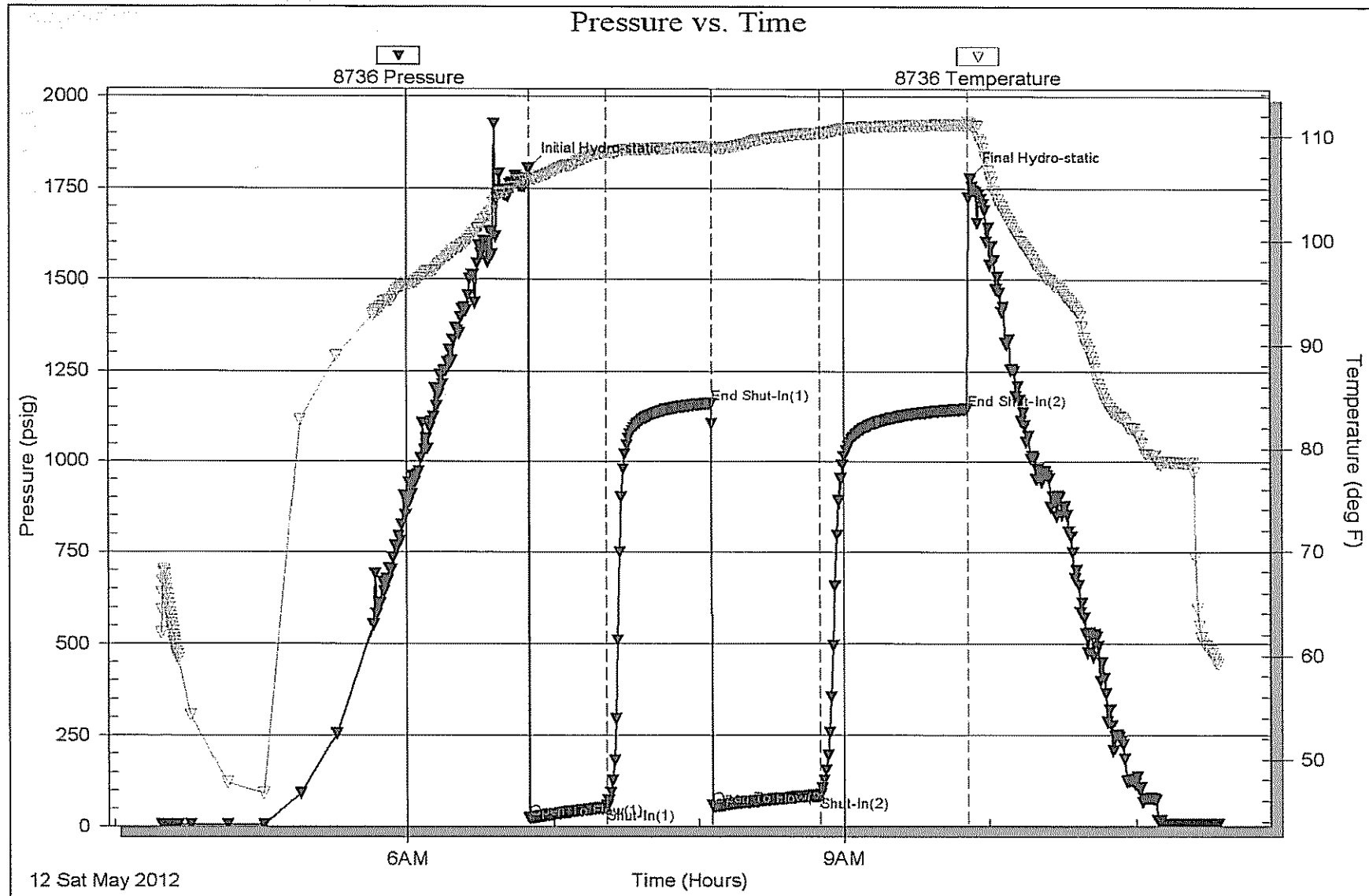
Recovery Comments: API= 34 @60

Serial #: 8736

Inside Lario Oil & Gas

Corinne 1-33

DST Test Number: 2

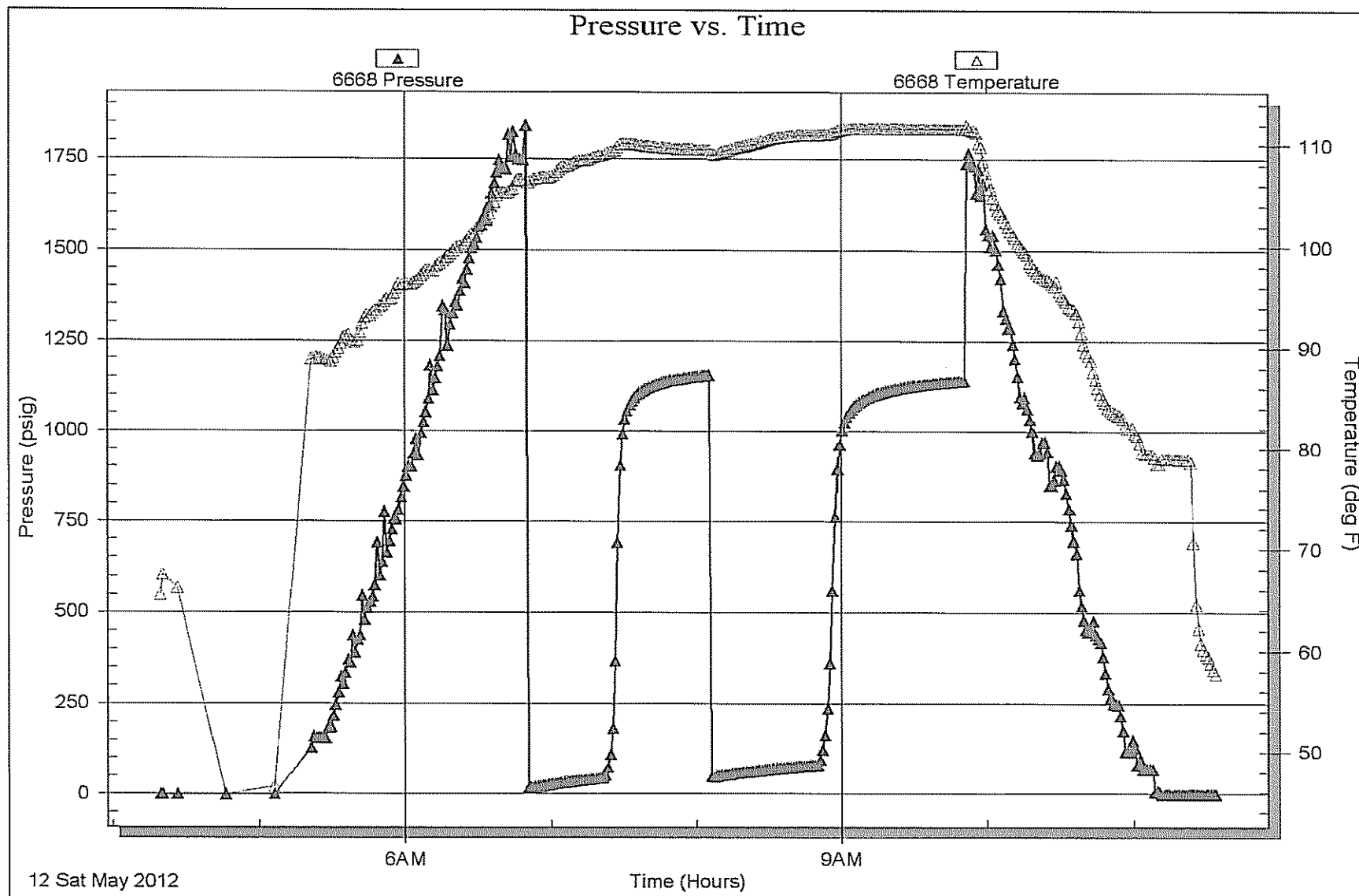


Serial #: 6668

Outside Lario Oil & Gas

Corinne 1-33

DST Test Number: 2





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas

301 S. Market St.
Wichita Ks 67202

ATTN: Steve Davis

33-14-32 Logan Co KS

Corinne 1-33

Job Ticket: 46560

DST#: 3

Test Start: 2012.05.12 @ 00:18:00

GENERAL INFORMATION:

Formation: "I"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:15:45

Time Test Ended: 08:59:30

Interval: 3857.00 ft (KB) To 3890.00 ft (KB) (TVD)

Total Depth: 3890.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 48

Reference Elevations: 2688.00 ft (KB)

2680.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8736

Inside

Press@RunDepth: 382.12 psig @ 3858.00 ft (KB)

Start Date: 2012.05.12

End Date:

2012.05.12

Start Time: 00:18:05

End Time:

08:59:30

Capacity: 8000.00 psig

Last Calib.: 2012.05.13

Time On Btm: 2012.05.12 @ 03:15:30

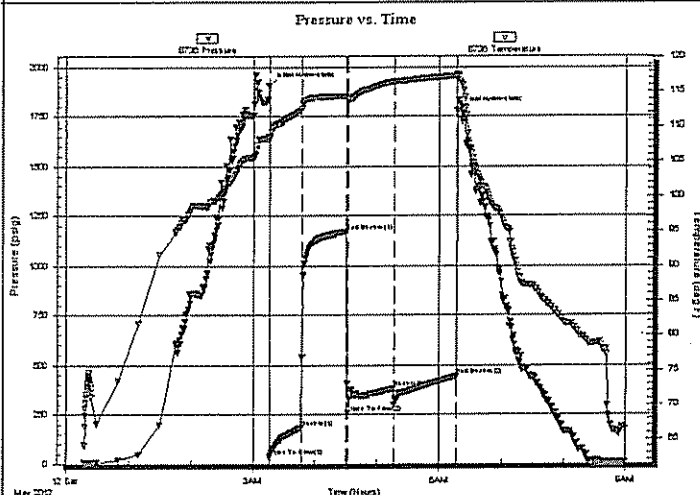
Time Off Btm: 2012.05.12 @ 06:16:45

TEST COMMENT: IF:BOB in 7 min.

IS:Return blow built to 5" blow

FF:BOB in 6 min.

FS:Return blow built to BOB in 35 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1907.82	108.73	Initial Hydro-static
1	37.81	108.14	Open To Flow (1)
32	184.94	112.37	Shut-In(1)
75	1169.24	114.32	End Shut-In(1)
77	255.75	113.76	Open To Flow (2)
121	382.12	116.48	Shut-In(2)
181	444.17	117.30	End Shut-In(2)
182	1778.96	117.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	gcmo 5%g 10%m 85%m	1.52
62.00	gcom 5%g 5%o 90%m	0.87
620.00	gco 20%g 80%o	8.70
0.00	GIP= 248	0.00

* Recovery from multiple tests

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Lario Oil & Gas

ATTN: Steve Davis

Corinne 1-33

Job Ticket: 46560

DST#: 3

Test Start: 2012.05.12 @ 00:18:00

Formation: "I"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:15:45

Time Test Ended: 08:59:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 48

Interval: 3857.00 ft (KB) To 3890.00 ft (KB) (TVD)

Total Depth: 3890.00 ft (KB) (TVD)

Hole Diameter: 7.88 inchesHole Condition: Fair

Reference Elevations: 2688.00 ft (KB)

2680.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6668 **Outside**

Press@RunDepth: psig @ 3858.00 ft (KB)

Start Date: 2012.05.12

End Date:

2012.05.12

Start Time: 00:18:15

End Time:

08:59:45

Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm:

Time Off Btmc

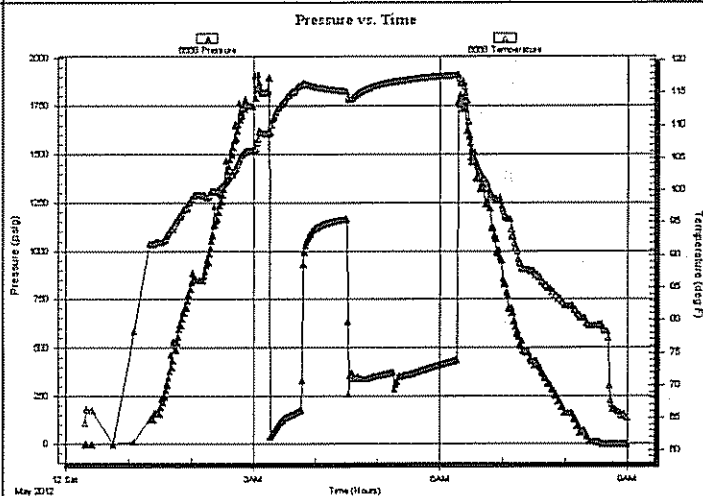
TEST COMMENT:

F:BOB in 7 min.

IS:Return blow built to 5" blow

FF:BOB in 6 min.

FS:Return blow built to BOB in 35 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	0	0	
1	1	1	
2	2	2	
3	3	3	
4	4	4	
5	5	5	
6	6	6	
7	7	7	
8	8	8	
9	9	9	
10	10	10	
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99	99	99	
100	100	100	

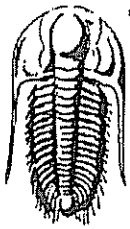
Recovery

Length (ft)	Description	Volume (bbl)
310.00	gcmo 5%g 10%m 85%m	1.52
62.00	gcom 5%g 5%o 90%m	0.87
620.00	gco 20%g 80%o	8.70
0.00	GIP= 248	0.00

- * Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas

33-14-32 Logan Co KS

301 S. Market St.
Wichita Ks 67202

Corinne 1-33

Job Ticket: 46560

DST#: 3

ATTN: Steve Davis

Test Start: 2012.05.12 @ 00:18:00

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:

0 ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	gcmo 5%g 10%m 85%m	1.525
62.00	gcom 5%g 5%o 90%m	0.870
620.00	gco 20%g 80%o	8.697
0.00	GIP= 248	0.000

Total Length: 992.00 ft

Total Volume: 11.092 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

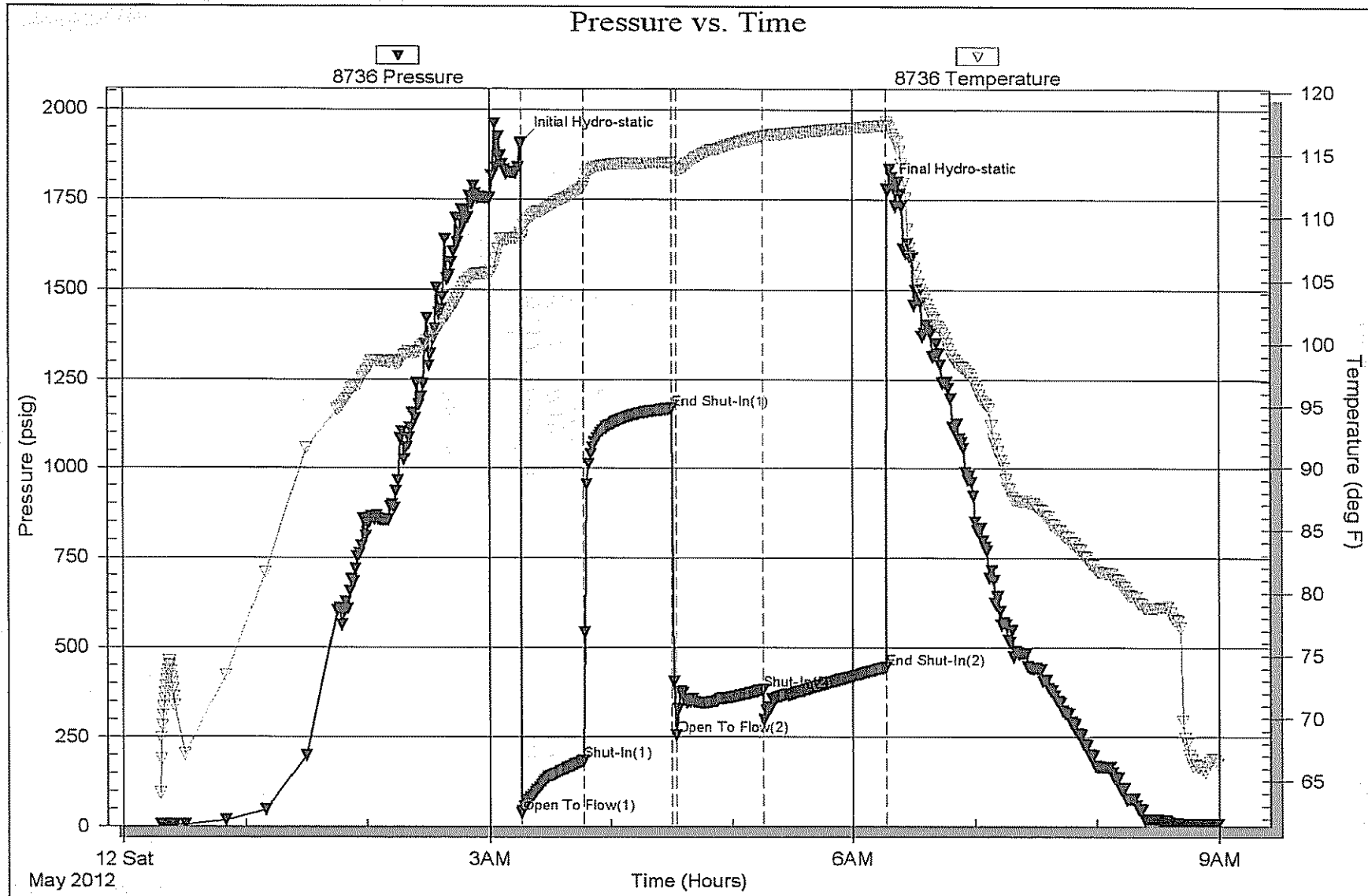
Serial #: 8736

Inside

Lario Oil & Gas

Corinne 1-33

DST Test Number: 3

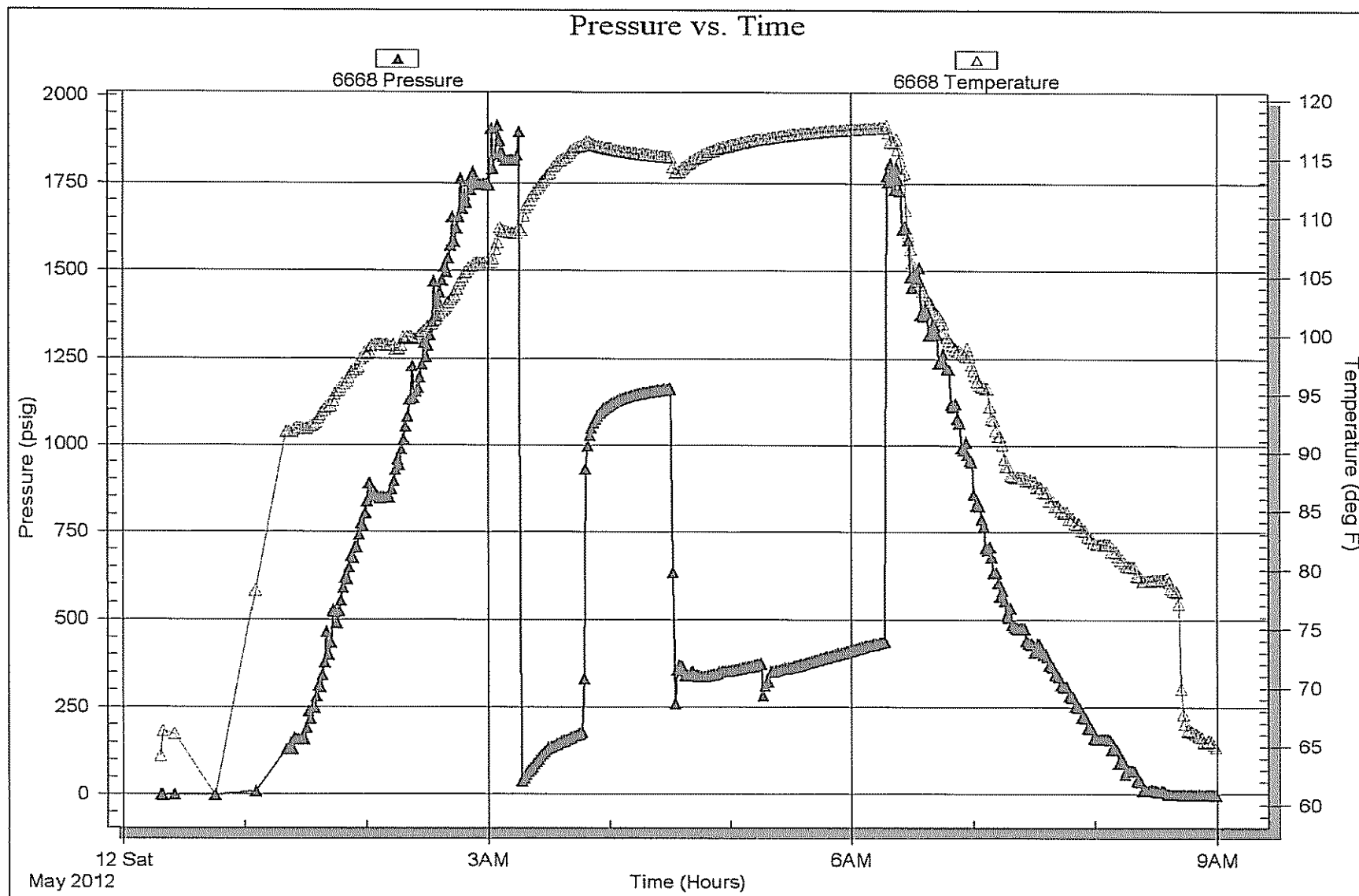


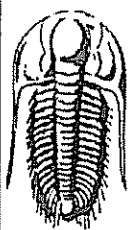
Serial #: 6668

Outside Lario Oil & Gas

Corinne 1-33

DST Test Number: 3





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas

301 S. Market St.
Wichita Ks 67202

ATTN: Steve Davis

33-14-32 Logan Co KS

Corinne 1-33

Job Ticket: 46561

DST#: 4

Test Start: 2012.05.13 @ 16:51:05

GENERAL INFORMATION:

Formation: "J"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:32:15

Time Test Ended: 23:52:59

Interval: 3892.00 ft (KB) To 3915.00 ft (KB) (TVD)

Total Depth: 3915.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 48

Reference Elevations: 2688.00 ft (KB)

2680.00 ft (CF)

KB to GRVCF: 8.00 ft

Serial #: 8736

Inside

Press@RunDepth: 194.39 psig @ 3893.00 ft (KB)

Start Date: 2012.05.13

End Date:

2012.05.13

Start Time: 16:51:05

End Time:

23:52:59

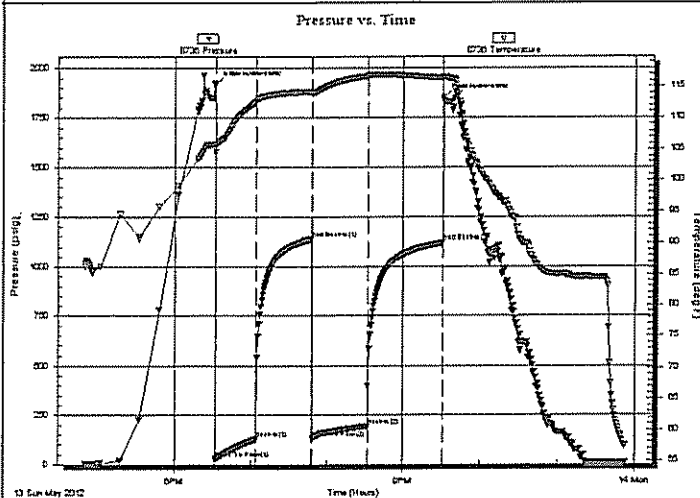
Capacity: 8000.00 psig

Last Calib.: 2012.05.14

Time On Btm: 2012.05.13 @ 18:32:00

Time Off Btm: 2012.05.13 @ 21:31:44

TEST COMMENT: IF:BOB in 29 min.
IS:No return blow
FF:Built to 7 1/2" blow
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1918.06	105.81	Initial Hydro-static
1	26.99	104.55	Open To Flow (1)
32	128.30	112.59	Shut-In(1)
76	1137.95	114.13	End Shut-In(1)
76	131.91	113.82	Open To Flow (2)
120	194.39	116.66	Shut-In(2)
179	1120.88	116.37	End Shut-In(2)
180	1851.82	116.55	Final Hydro-static

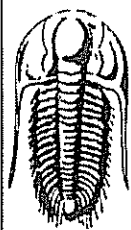
Recovery

Length (ft)	Description	Volume (bbl)
310.00	mcw 30% m 70% w	1.52
67.00	mcw with oil spots 50% m 50% w	0.94

* Recovery from multiple tests

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas

33-14-32 Logan Co KS

301 S. Market St.
Wichita Ks 67202

Corinne 1-33

Job Ticket: 46561

DST#: 4

ATTN: Steve Davis

Test Start: 2012.05.13 @ 16:51:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

16000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.98 in*

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
310.00	mcw 30% m 70% w	1.525
67.00	mcw with oil spots 50% m 50% w	0.940

Total Length: 377.00 ft Total Volume: 2.465 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= >451@ 67.5*=16,000ppm

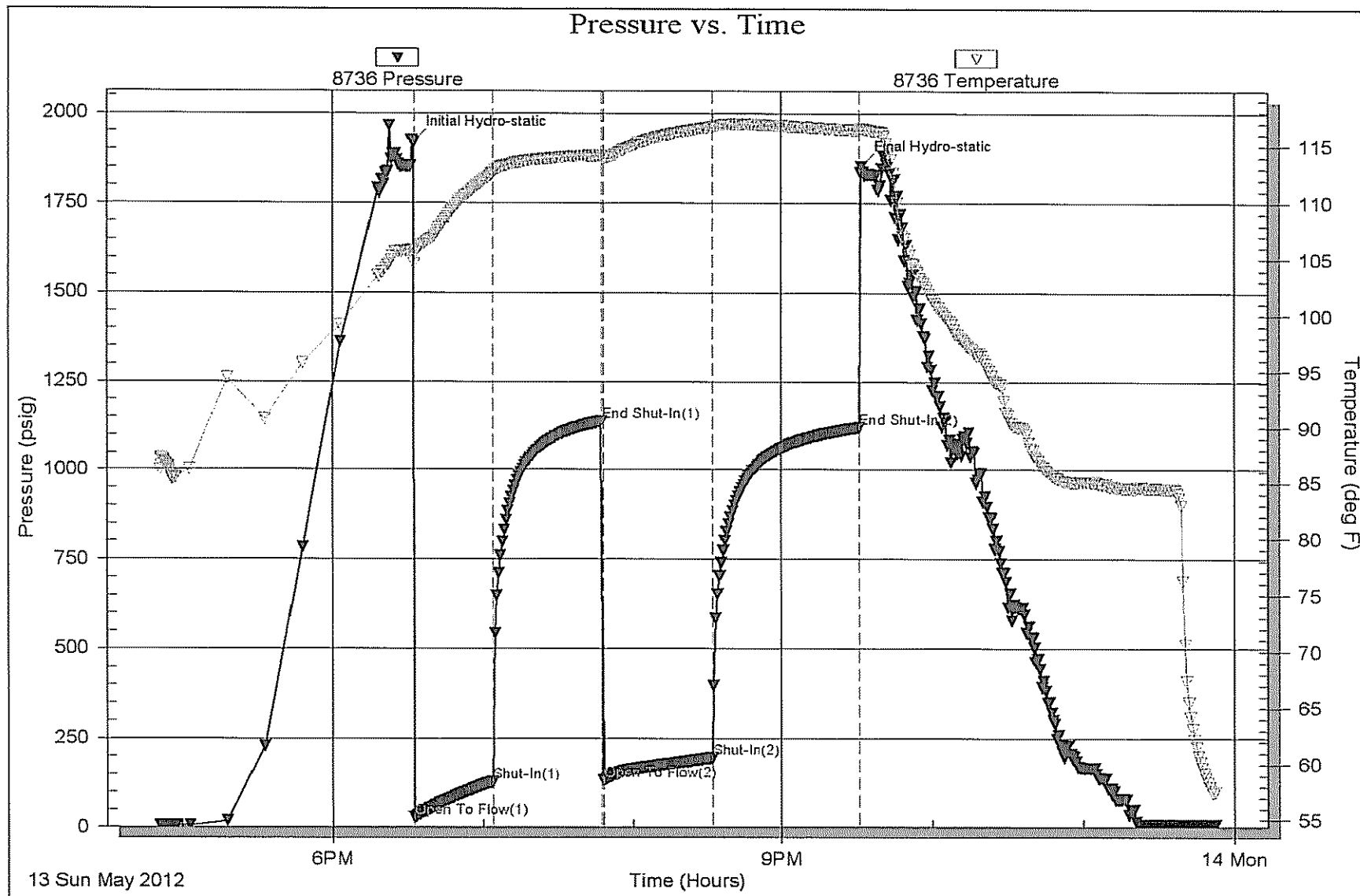
Serial #: 8736

Inside

Lario Oil & Gas

Corinne 1-33

DST Test Number: 4





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas

301 S. Market St.
Wichita Ks 67202

ATTN: Steve Davis

33-14-32 Logan Co KS

Corinne 1-33

Job Ticket: 46562

DST#: 5

Test Start: 2012.05.14 @ 12:27:05

GENERAL INFORMATION:

Formation: "L"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:05:00

Time Test Ended: 19:47:14

Interval: 3958.00 ft (KB) To 3992.00 ft (KB) (TVD)

Total Depth: 3720.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 48

Reference Elevations: 2688.00 ft (KB)

2680.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8736

Inside

Press@RunDepth: 304.48 psig @ 3959.00 ft (KB)

Start Date: 2012.05.14

End Date:

2012.05.14

Start Time: 12:27:05

End Time:

19:47:14

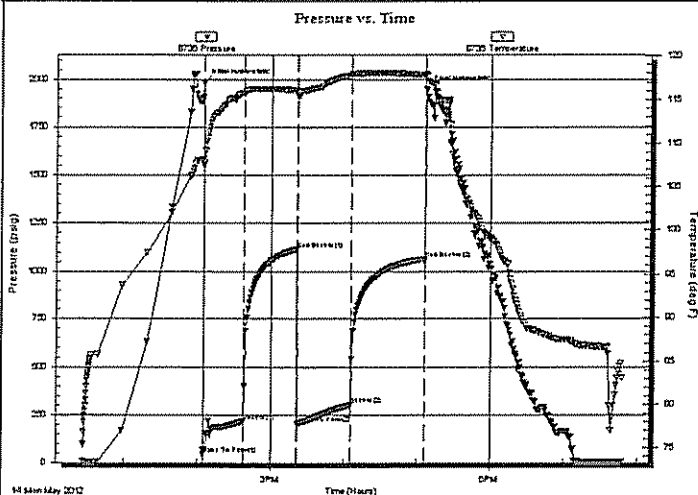
Capacity: 8000.00 psig

Last Calib.: 2012.05.14

Time On Blm: 2012.05.14 @ 14:04:45

Time Off Blm: 2012.05.14 @ 17:06:59

TEST COMMENT: IF:BOB in 4 min.
IS:Return built to BOB in 28 min.
FF:BOB in 7min.
FS:Return blow built to BOB in 24 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1980.63	108.20	Initial Hydro-static
1	45.97	107.50	Open To Flow (1)
33	217.42	115.69	Shut-In(1)
77	1116.53	116.06	End Shut-In(1)
77	203.97	115.66	Open To Flow (2)
121	304.48	117.79	Shut-In(2)
182	1065.54	117.79	End Shut-In(2)
183	1949.38	117.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP= 154	0.00
186.00	gcom 10% g 40%o 50 % m	0.91
124.00	gcmo 10%g 10%m 80%o	0.61
124.00	gcmo 10% g 10%m 80% o	1.74
556.00	gco 20%g 80%o	7.80

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas

33-14-32 Logan Co KS

301 S. Market St.
Wichita Ks 67202

Corinne 1-33

Job Ticket: 46562

DST#: 5

ATTN: Steve Davis

Test Start: 2012.05.14 @ 12:27:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

27 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	GIP= 154	0.000
186.00	gcom 10% g 40%o 50 % m	0.915
124.00	gcmo 10%g 10%m 80%o	0.610
124.00	gcmo 10% g 10%m 80% o	1.739
556.00	gco 20%g 80%0	7.799

Total Length: 990.00 ft

Total Volume: 11.063 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: AP= 30@90 corrected to 27 @60

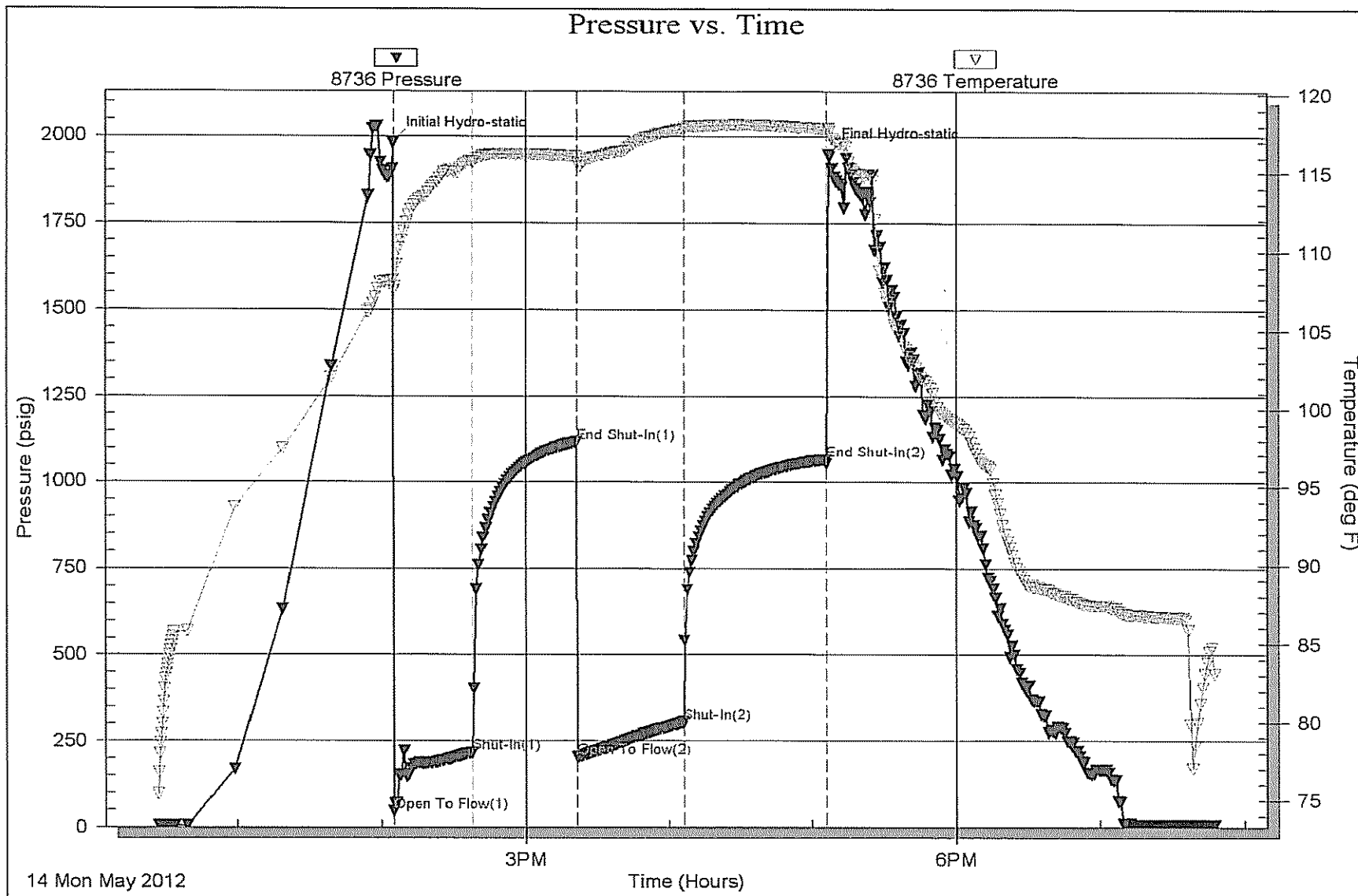
Serial #: 8736

Inside

Lario Oil & Gas

Corinne 1-33

DST Test Number: 5





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas

301 S. Market St.
Wichita Ks 67202

ATTN: Steve Davis

33-14-32 Logan Co KS

Corinne 1-33

Job Ticket: 46563

DST#: 6

Test Start: 2012.05.15 @ 17:20:05

GENERAL INFORMATION:

Formation: Pawnee-Ft.Scott- Che

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:42:00

Time Test Ended: 01:18:44

Interval: 4116.00 ft (KB) To 4200.00 ft (KB) (TVD)

Total Depth: 4200.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 48

Reference Elevations: 2688.00 ft (KB)

2680.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8736

Inside

Press@RunDepth: 220.06 psig @ 4120.00 ft (KB)

Start Date: 2012.05.15

End Date:

2012.05.16

Start Time: 17:20:05

End Time:

01:18:44

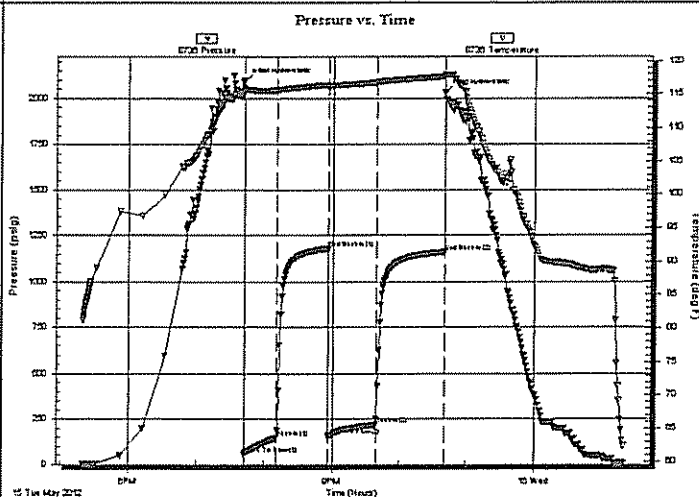
Capacity: 8000.00 psig

Last Calib.: 2012.05.16

Time On Blm: 2012.05.15 @ 19:41:45

Time Off Blm: 2012.05.15 @ 22:41:14

TEST COMMENT: IF: Built to 7" blow
IS: No return blow
FF: BOB in 34 min.
FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2095.43	116.03	Initial Hydro-static
1	58.49	115.23	Open To Flow (1)
29	146.34	115.56	Shut-In(1)
75	1183.48	116.39	End Shut-In(1)
75	154.11	116.00	Open To Flow (2)
119	220.06	116.74	Shut-In(2)
179	1164.15	117.63	End Shut-In(2)
180	2030.85	117.94	Final Hydro-static

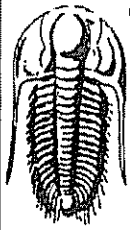
Recovery

Length (ft)	Description	Volume (bbl)
5.00	free oil 100% o	0.02
305.00	sw with oil specs 100% sw	1.50

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas

33-14-32 Logan Co KS

301 S. Market St.
Wichita Ks 67202

Corinne 1-33

Job Ticket: 46563

DST#: 6

ATTN: Steve Davis

Test Start: 2012.05.15 @ 17:20:05

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:

28000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	free oil 100% o	0.025
305.00	sw with oil specs 100% sw	1.500

Total Length: 310.00 ft

Total Volume: 1.525 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .279 @ 61.8= 28,000 ppm

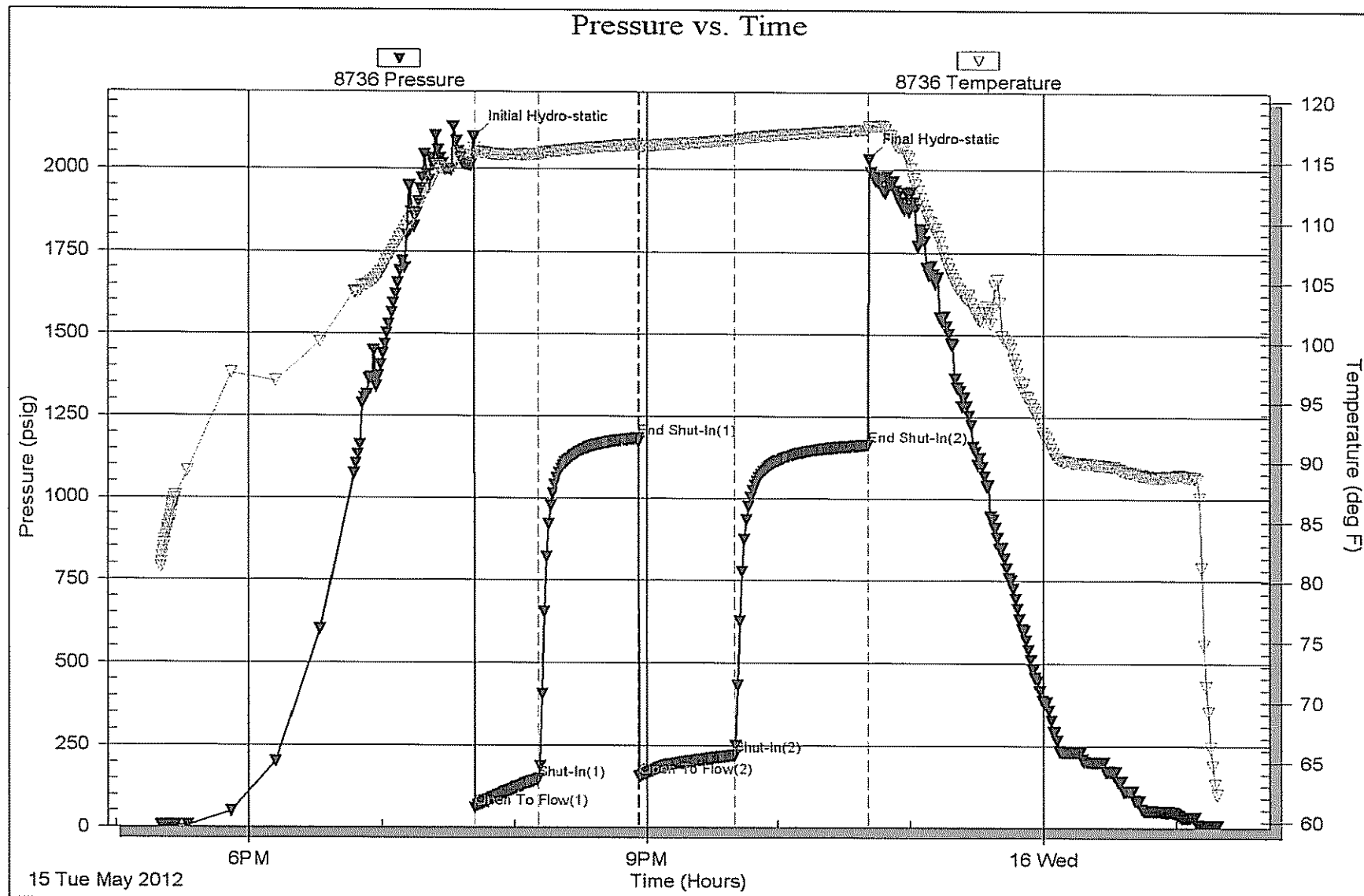
Serial #: 8736

Inside

Lario Oil & Gas

Corinne 1-33

DST Test Number: 6





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas

301 S. Market St.
Wichita Ks 67202

ATTN: Steve Davis

33-14-32 Logan Co KS

Corinne 1-33

Job Ticket: 46564

DST#: 7

Test Start: 2012.05.16 @ 12:00:05

GENERAL INFORMATION:

Formation: **Johnson**

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

Time Tool Opened: 13:48:15

Time Test Ended: 19:02:14

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

Tester: **Mike Roberts**

Unit No: **48**

Interval: **4222.00 ft (KB) To 4272.00 ft (KB) (TVD)**

Total Depth: **4272.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2688.00 ft (KB)**

2680.00 ft (CF)

KB to GRVCF: **8.00 ft**

Serial #: **8736**

Inside

Press@RunDepth: **126.06 psig @ 4226.00 ft (KB)**

Start Date: **2012.05.16**

End Date:

2012.05.16

Start Time: **12:00:05**

End Time:

19:02:14

Capacity: **8000.00 psig**

Last Calib.: **2012.05.16**

Time On Blm: **2012.05.16 @ 13:48:00**

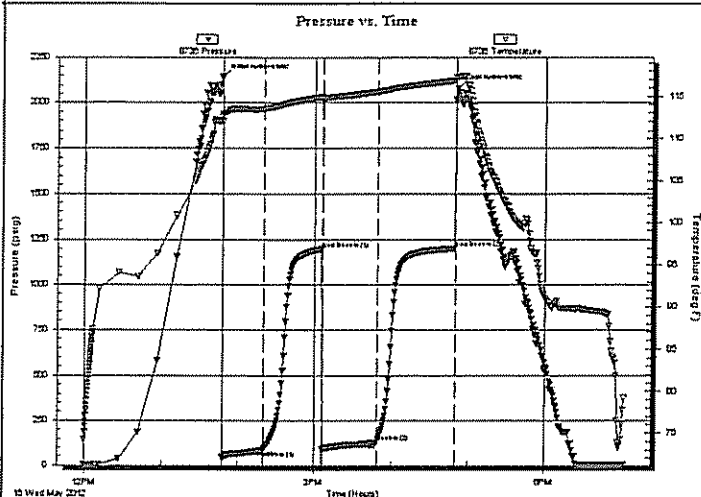
Time Off Blm: **2012.05.16 @ 16:50:59**

TEST COMMENT: IF:BOB in 27min.

IS:No return blow

FF:BOB in 12 min.

FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2143.35	112.87	Initial Hydro-static
1	43.95	111.93	Open To Flow (1)
32	84.39	113.50	Shut-In(1)
78	1196.81	114.92	End Shut-In(1)
79	85.65	114.72	Open To Flow (2)
121	126.06	115.55	Shut-In(2)
181	1199.93	116.90	End Shut-In(2)
183	2080.34	117.27	Final Hydro-static

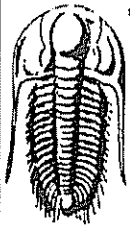
Recovery

Length (ft)	Description	Volume (bbl)
240.00	ocm 10%o 90%m	1.18

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas

33-14-32 Logan Co KS

301 S. Market St.
Wichita Ks 67202

Corinne 1-33

Job Ticket: 46564

DST#: 7

ATTN: Steve Davis

Test Start: 2012.05.16 @ 12:00:05

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: 8.77 in²

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	ocm 10%o 90%m	1.180

Total Length: 240.00 ft

Total Volume: 1.180 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

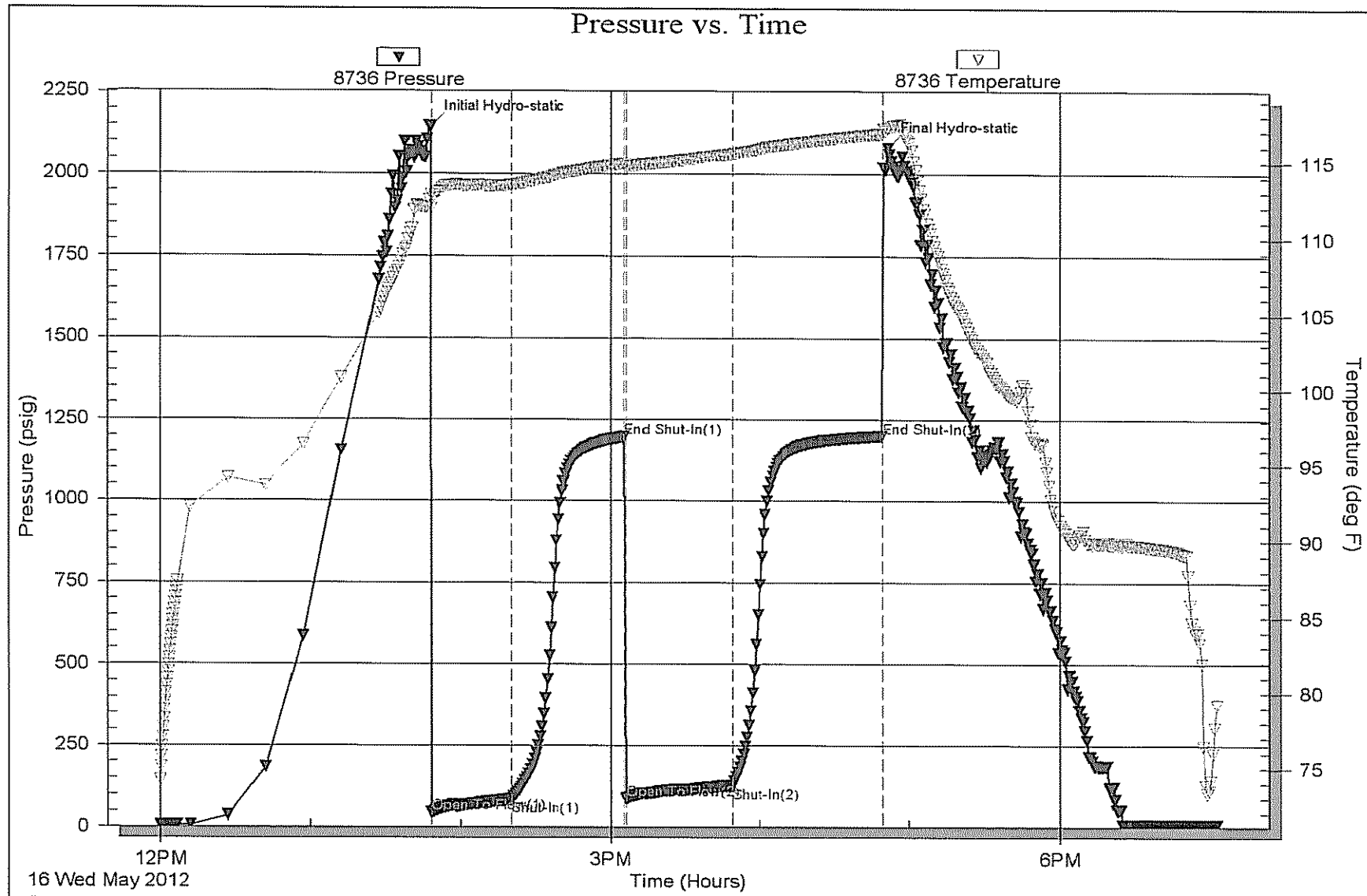
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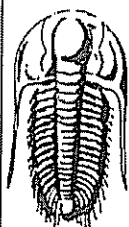
Serial #: 8736

Inside Lario Oil & Gas

Corinne 1-33

DST Test Number: 7





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas

301 S. Market St.
Wichita KS 67202

ATTN: Steve Davis

33-14-32 Logan, KS

Corinne #1-33

Job Ticket: 46565

DST#: 8

Test Start: 2012.05.17 @ 02:35:05

GENERAL INFORMATION:

Formation: **Morrow Sand**

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

Time Tool Opened: 04:45:30

Time Test Ended: 10:08:29

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

Tester: **Mike Roberts**

Unit No: **48**

Interval: **4275.00 ft (KB) To 4311.00 ft (KB) (TVD)**

Total Depth: **4311.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2688.00 ft (KB)**

2680.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: **8736**

Inside

Press@RunDepth: **212.14 psig @ 4276.00 ft (KB)**

Start Date: **2012.05.17**

End Date:

2012.05.17

Start Time: **02:35:05**

End Time:

10:08:29

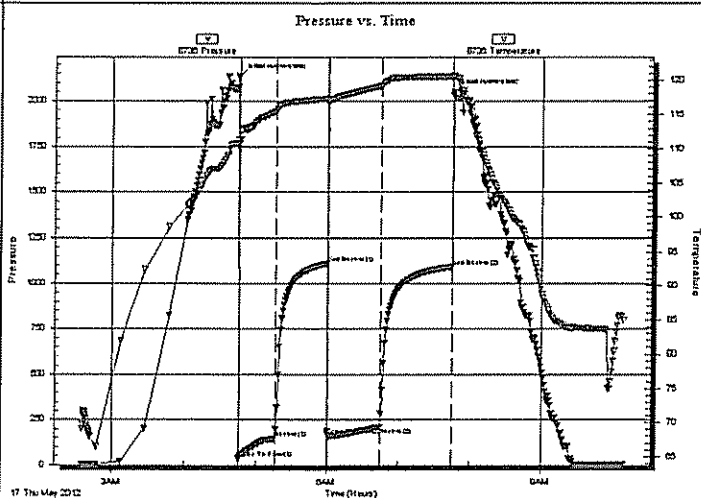
Capacity: **8000.00 psig**

Last Calib.: **2012.05.17**

Time On Blm: **2012.05.17 @ 04:45:00**

Time Off Blm: **2012.05.17 @ 07:45:44**

TEST COMMENT: IF:BOB in 11 min.
IS:Return blow built to 5"
FF:BOB in 4 min.
FS:Return blow built to 7"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2133.92	111.20	Initial Hydro-static
1	35.90	110.74	Open To Flow (1)
31	147.49	115.35	Shut-In(1)
75	1110.29	117.23	End Shut-In(1)
76	165.43	116.91	Open To Flow (2)
120	212.14	119.16	Shut-In(2)
180	1091.68	120.52	End Shut-In(2)
181	2046.12	120.54	Final Hydro-static

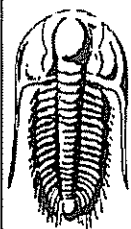
Recovery

Length (ft)	Description	Volume (bbl)
124.00	gcom 10%g 30%o 60%m	0.61
186.00	gcom 20%g 40%o 40%m	0.91
186.00	free oil 100%o	2.61

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas

33-14-32 Logan, KS

301 S. Market St.
Wichita KS 67202

Corinne #1-33

Job Ticket: 46565

DST#: 8

ATTN: Steve Davis

Test Start: 2012.05.17 @ 02:35:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 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: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	gcom 10%g 30%o 60%m	0.610
186.00	gcom 20%g 40%o 40%m	0.915
186.00	free oil 100%o	2.609

Total Length: 496.00 ft Total Volume: 4.134 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API= 32@70 corrected to 31@ 60

Serial #: 8736

Inside Lario Oil & Gas

Corinne #1-33

DST Test Number: 8

