



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1092324
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: _____



1092324

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

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

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

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

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Thies Ranch 5-19
Doc ID	1092324

Tops

Name	Top	Datum
Heebner	3768	-1008
Lansing	3802	-1042
Stark Shale	4050	-1290
Hushpuckney	4084	-1324
BKC	4129	-1369
Marmaton	4182	-1422
Pawnee	4256	-1496
Ft. Scott	4288	-1528
Johnson	4378	-1618
Morrow	4409	-1649
Basal Penn	4442	-1682
Mississippian	4450	-1690

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
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

October 31, 2012

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

Re: ACO1
API 15-063-22034-00-00
Thies Ranch 5-19
NW/4 Sec.19-14S-31W
Gove County, Kansas

Dear Production Department:

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

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

Respectfully,
Jay Schweikert

PO Box 93999
Southlake, TX 76092

Invoice Number: 132557
Invoice Date: Aug 27, 2012
Page: 1

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



Bill To:
Lario Oil & Gas Co. P.O. Box 1093 Garden City, KS 67846

AR# 12-239
2 Stage
Drilling
CK 9/10/12

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Lario	<u>Theis Ranch #5-19</u>	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Aug 27, 2012	9/26/12

Quantity	Item	Description	Unit Price	Amount
150.00	MAT	Class A Common	16.25	2,437.50
3.00	MAT	Gel	21.25	63.75
5.00	MAT	Chloride	58.20	291.00
161.00	SER	Cubic Feet	2.10	338.10
296.00	SER	Ton Mileage	2.35	695.60
1.00	SER	Surface	1,125.00	1,125.00
40.00	SER	Pump Truck Mileage	7.00	280.00
40.00	SER	Light Vehicle Mileage	4.00	160.00
1.00	EQP	8.5/8 Top Wooden Plug	92.00	92.00
1.00	CEMENTER	Darren Racette		
1.00	EQUIP OPER	Tyler Flipse		
1.00	OPER ASSIST	Chris Helpingstine		

add 4c
[Signature]
SEP 14 2012

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

\$1535.22

ONLY IF PAID ON OR BEFORE
Sep 21, 2012

Subtotal	5,482.95
Sales Tax	232.18
Total Invoice Amount	5,715.13
Payment/Credit Applied	
TOTAL	5,715.13

ALLIED OIL & GAS SERVICES, LLC 056677

Federal Tax I.D.# 20-5976804

MAIL TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT

Oakley

DATE <u>8-27-12</u>	SEC. <u>19</u>	TWP. <u>14</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION <u>6:00 PM</u>	JOB START <u>7:00 PM</u>	JOB FINISH <u>7:30 PM</u>
CASE <u>Theis Ranch</u>	WELL # <u>5-14</u>	LOCATION <u>Oakley 205 - 2 1/2 E - Sinta</u>			COUNTY <u>GOVE</u>	STATE <u>KS.</u>	
LD OR <u>NEW</u> (Circle one)							

CONTRACTOR Duke #54

TYPE OF JOB Surface

OLE SIZE 12 1/8

ASINO SIZE 8 5/8

JBINO SIZE

RILL PIPE

JOL

ES. MAX

EAS. LINE

ELEMENT LEFT IN CSO. 15'

RF. S.

DISPLACEMENT 13.27

OWNER Same

CEMENT

AMOUNT ORDBRED 150 sks Cem 3% CC
2% Gel

1.01 8.05

EQUIPMENT

JMP TRUCK CEMENTER Drum Racetta 1

423-281 HELPER Tyler Flipse 2

JLK TRUCK

2417 DRIVER Chris Helpingstein 3

JLK TRUCK

DRIVER

COMMON	<u>150 SKS</u>	@ <u>16.25</u>	<u>2437.50</u>
POZMIX		@	
GEL	<u>3 SKS</u>	@ <u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>5 SKS</u>	@ <u>58.22</u>	<u>291.00</u>
ASC		@	

REMARKS:

mix 150 sks Cement
displace w/ thru water
ement Dig Circulate

HANDLING	<u>161</u>	@ <u>2.10</u>	<u>338.10</u>
MILBOG	<u>7.45 x 40 x</u>	@ <u>2.25</u>	<u>695.60</u>
TOTAL			<u>3825.95</u>

SERVICE

DEPTH OF JOB		
PUMPTRUCK CHARG		@ <u>1125.00</u>
EXTRA FOOTAGE		@
MILBAGE	<u>40</u>	@ <u>7.02</u> <u>280.00</u>
MANIFOLD		@
<u>LU mileage</u>		@ <u>24.00</u> <u>960.00</u>

TOTAL 1515.00

PAID TO: Loach Oil & Gas Co.

REET

TY STATE ZIP

PLUG & FLOAT EQUIPMENT

<u>1 Top wooden Plug</u>	@	<u>92.00</u>
	@	
	@	
	@	
	@	

Bid

TOTAL 92.00

Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work is done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Rich Wheeler

SIGNATURE Rich Wheeler

SALES TAX (if Any)	<u>232.18</u>
TOTAL CHARGES	<u>5482.95 OK</u>
DISCOUNT	<u>38 1535.22</u> IF PAID IN 30 DAYS

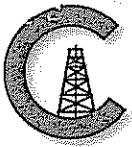
BID SHEET



Date	8/27/12
Service Point	Oakley
Manager	Terry Heinrich
Address	P.O. Box 27 Oakley, KS 67748
Business Phone	785-672-3452
E-mail	terry.heinrich@alliedoil.com
Mobile	785-673-9376

Company	Lajo Oil & Gas Company	Prepared For:	Jay Schwelker	Well Data	
Address	301 S. Market	Title:	Oper. Eng.	Open Hole	12 1/4
Address	Wichita Kansas, 67202	Business Phone:	316-265-5611		Depth
Well Name	Heff Ranch	E-mail:	trishwelker@alliedoil.com		I.D.
Lease	#5-19	Mobile Phone:		Casing Size	8 5/8
Field		Prepared By:	Neal Hopp		Depth
County	Gove	Title:	Field Sales Manager		O.D.
State	Kansas	Business Phone:	316-260-3368		I.D.
Section	19	E-mail:	neal.hopp@alliedservices.com		Casing Weight
Township	14S	Mobile Phone:	316-250-7057		Thread
Range	31W	Rig Contractor	Djke Drilling		Grade
API Number		Rig Name	#4		
Proposal Title:	Surface Casing	Rig Phone			

	Units	UOM	Cost per Unit	Total	Unit Net	Net
CIMN - Casing Pump Charge 0 to 300'	1.00	(for 1 hour)	\$1,125.00	\$ 1,125.00	\$ 810.00	\$810.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
Subtotal				\$ 1,125.00		\$810.00
Wooden Plug	1.00	Each	\$92.00	\$ 92.00	\$ 66.24	\$66.24
	0.00	Each	POR	\$ -	\$ -	\$0.00
	0.00	Each	POR	\$ -	\$ -	\$0.00
	0.00	Each	POR	\$ -	\$ -	\$0.00
	0.00	Each	POR	\$ -	\$ -	\$0.00
	0.00	Each	\$0.00	\$ -	\$ -	\$0.00
Subtotal				\$ 92.00		\$66.24
CAC - CLASS A COMMON	150.00	per sack	\$16.25	\$ 2,437.50	\$ 11.70	\$1,755.00
CACL - Calcium Chloride	4.00	per sack	\$58.20	\$ 232.80	\$ 41.90	\$167.62
PGEL - Premium Gel (Bentonite)	3.00	per sack	\$21.25	\$ 63.75	\$ 15.30	\$45.90
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
Subtotal				\$ 2,734.05		\$1,968.52
HDLG - Products handling service charge	161.00	per cu. ft.	\$2.10	\$ 338.10	\$ 1.53	\$246.81
DRYG - Drayage for products	295.00	ton mile	\$2.35	\$ 695.60	\$ 1.72	\$507.79
MILV - Light Vehicle Mileage	40.00	per mile	\$4.00	\$ 160.00	\$ 2.92	\$116.80
MHHV - Heavy Vehicle Mileage	40.00	per mile	\$7.00	\$ 280.00	\$ 5.11	\$204.40
Subtotal				\$ 1,473.70		\$1,075.80
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
Subtotal				\$ -		\$0.00
Totals:				\$ 5,424.75		\$3,920.56
DISCOUNT: Operations			28.0%	(315.00)		
DISCOUNT: Equipment Sales			28.0%	(25.76)		
DISCOUNT: Products			28.0%	(765.53)		
DISCOUNT: Transport			27.0%	(397.90)		
DISCOUNT: OTHER			28.0%	0.00		
			Total:	(1,504.19)		



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 # 252648

Invoice Date: 09/11/2012 Terms: 15/15/30,n/30

Page 1

AFI 12-239
2 Stage
Completion
C/D 9/14/12

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

THIES RANCH 5-19
36736
19-14-31
09-07-2012
KS

Part Number	Description	Qty	Unit Price	Total
1126	OIL WELL CEMENT	150.00	22.5500	3382.50
1110A	KOL SEAL (50# BAG)	750.00	.5600	420.00
1131	60/40 POZ MIX	505.00	15.1000	7625.50
1118B	PREMIUM GEL / BENTONITE	3474.00	.2500	868.50
1107	FLO-SEAL (25#)	126.00	2.8200	355.32
1144G	MUD FLUSH (SALE)	500.00	1.0000	500.00
4156	FLOAT SHOE 4 1/2"	1.00	385.0000	385.00
4453	4 1/2" LATCH DOWN PLUG	1.00	475.0000	475.00
4103	CEMENT BASKET 4 1/2"	1.00	261.0000	261.00
4276	DV TOOL SIZE 4 1/2" (STA	1.00	4200.0000	4200.00
4129	CENTRALIZER 4 1/2"	9.00	46.0000	414.00

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-2833.02
9995-130	CEMENT EQUIPMENT DISCOUNT	-532.65

Description	Hours	Unit Price	Total
463 SINGLE PUMP	1.00	3020.00	3020.00
463 EQUIPMENT MILEAGE (ONE WAY)	10.00	5.00	50.00
566 TON MILEAGE DELIVERY	1.00	481.00	481.00

Amount Due 23958.20 if paid after 10/11/2012

Parts:	18886.82	Freight:	.00	Tax:	1292.32	AR	20364.47
Labor:	.00	Misc:	.00	Total:	20364.47		
Sublt:	-3365.67	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 36736
LOCATION Oakley
FOREMAN Fuzz

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																				
9-7-12	4793	Thurs Ranch 5-19	17	14	31	Gove																				
CUSTOMER LARO OIL GAS			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>463</td> <td>Damon W</td> <td></td> <td></td> </tr> <tr> <td>566</td> <td>Jordan L</td> <td></td> <td></td> </tr> <tr> <td>566-129</td> <td>Miles S</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Kubys</td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	463	Damon W			566	Jordan L			566-129	Miles S				Kubys		
TRUCK #	DRIVER	TRUCK #					DRIVER																			
463	Damon W																									
566	Jordan L																									
566-129	Miles S																									
	Kubys																									
MAILING ADDRESS																										
CITY	STATE	ZIP CODE																								

JOB TYPE 2-stage HOLE SIZE 7 7/8 HOLE DEPTH 4650' CASING SIZE & WEIGHT 4 1/2 10.5
CASING DEPTH 4650 DRILL PIPE _____ TUBING _____ OTHER DUQ 2244
SLURRY WEIGHT 138.12.5 SLURRY VOL. 1.42-1.89 WATER gal/sk _____ CEMENT LEFT in CASING 21.5
DISPLACEMENT 73.5 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting on Duke #4 + Rig up + circulate 1 hr
Pump 5 BBL water 500gal mud flush 5 BBL water. Mix 150SKS
OWC w/5* Kolsal wash pump and lines Drop plug and displace
38 BBL water, 35 BBL mud lift 500' land 1100'. Drop DU Bomb
open tool @ 800' circ 3 hrs. Pump 5 BBL water Mix 30SKS
RH. Mix 475 SKS 60/40 80gal 1 1/2" closed down 4 1/2 casing.
Wash pump and lines Drop plug and displace 36 BBL water
700' lift, 1800' close DU Tool. Cement did circulate approx
35 BBL to pit

Thanks Fuzz & Crew

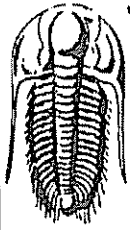
ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3020 ⁰⁰	3020 ⁰⁰
5406	10	MILEAGE	50 ⁰⁰	50 ⁰⁰
5407A	28.8 tow	Tow mileage Delivery	167	481 ⁰⁰
1126	150SKS	OWC	22 ⁵³	3382 ⁵⁰
1110A	750 #	Kolsal	156	420 ⁰⁰
1131	505 SKS	60/40 POS	15 ¹⁰	7625 ⁵⁰
1118B	3474 #	Bentonite	125	868 ⁵⁰
1107	126 #	Closeal	2 ⁸²	355 ³²
1144g	500gal	Mud Flush	1 ⁰⁰	500 ⁰⁰
4156	1	4 1/2 - ATFU Klotz shoe	385 ⁰⁰	385 ⁰⁰
4153	1	4 1/2 - hatchdown Assy (w)	475 ⁰⁰	475 ⁰⁰
4103	1	4 1/2 - Basket	261 ⁰⁰	261 ⁰⁰
4226	1	4 1/2 - DU Tool (w)	4200 ⁰⁰	4200 ⁰⁰
4129	9	4 1/2 - Centralizers	46 ⁰⁰	414 ⁰⁰
		subtotal		22437 ⁹²
		less 1590		3365 ⁶⁷
		subtotal		19072 ¹⁵
		SALES TAX		1292 ³²
		ESTIMATED TOTAL		20364 ⁴⁷

Ravin 3737

AUTHORIZATION Dain L. Duml TITLE Production Foreman DATE 9/7/12

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.

252648



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

301 S Market
Wichita KS, 67202

ATTN: Brad Rine

19-14S-31W-Gove KS

Thies Ranch #5-19

Job Ticket: 50010 DST#: 1

Test Start: 2012.09.01 @ 04:20:57

GENERAL INFORMATION:

Formation: **Lansing "D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:42:37

Time Test Ended: 10:47:57

Test Type: Conventional Bottom Hole (Initial)

Tester: Tate Lang

Unit No: 62

Interval: 3870.00 ft (KB) To 3893.00 ft (KB) (TVD)

Total Depth: 3893.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2760.00 ft (KB)

2751.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8018

Inside

Press@RunDepth: 17.03 psig @ 3871.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.09.01

End Date:

2012.09.01

Last Calib.: 2012.09.01

Start Time: 04:20:58

End Time:

10:47:57

Time On Btm: 2012.09.01 @ 06:42:27

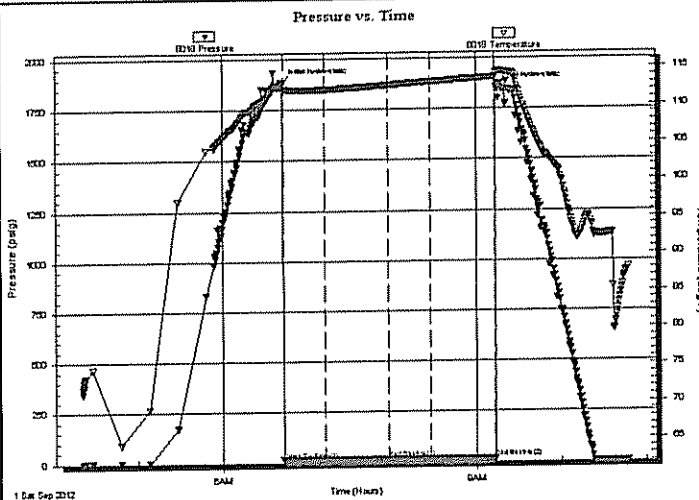
Time Off Btm: 2012.09.01 @ 09:14:17

TEST COMMENT: IF-Weak Surface Blow Died Out In 12 mins.

IS-Dead No Return Blow

FF-Dead No Blow

FSI-Dead No Return Blow



PRESSURE SUMMARY

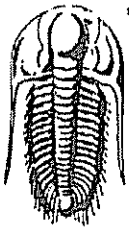
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1884.34	112.71	Initial Hydro-static
1	15.46	111.65	Open To Flow (1)
30	17.18	112.12	Shut-In(1)
75	17.60	112.68	End Shut-In(1)
75	17.61	112.68	Open To Flow (2)
105	17.03	113.10	Shut-In(2)
151	16.54	113.66	End Shut-In(2)
152	1856.61	114.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	100%M	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Company

19-14S-31W-Gove KS

301 S Market
Wichita KS, 67202

Thies Ranch #5-19

Job Ticket: 50064

DST#: 2

ATTN: Brad Rine

Test Start: 2012.09.02 @ 07:18:00

GENERAL INFORMATION:

Formation: LKC-"J"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:11:20

Time Test Ended: 15:06:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: 4021.00 ft (KB) To 4045.00 ft (KB) (TVD)

Total Depth: 4045.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2760.00 ft (KB)

2751.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8018

Inside

Press@RunDepth: 40.22 psig @ 4022.00 ft (KB)

Start Date: 2012.09.02

End Date:

2012.09.02

Start Time: 07:18:01

End Time:

15:06:40

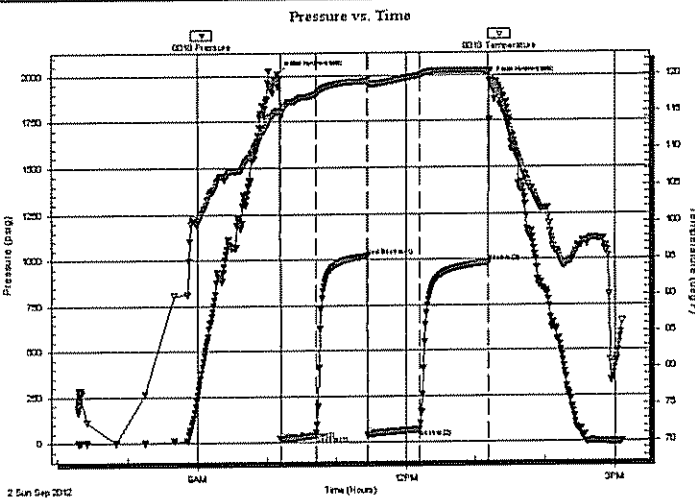
Capacity: 8000.00 psig

Last Calib.: 2012.09.02

Time On Btm: 2012.09.02 @ 10:09:20

Time Off Btm: 2012.09.02 @ 13:12:20

TEST COMMENT: B.O.B. @ 18 min.
No return.
B.O.B. @ 19 min.
No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2008.65	114.96	Initial Hydro-static
2	21.26	114.09	Open To Flow (1)
33	40.22	117.28	Shut-In(1)
77	1018.85	119.09	End Shut-In(1)
78	40.14	118.69	Open To Flow (2)
123	69.20	119.81	Shut-In(2)
183	981.74	120.41	Shut-In(3)
184	1965.78	120.25	Final Hydro-static

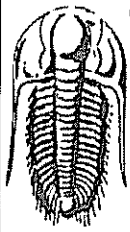
Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOCM 10g 20o 70m	0.84
60.00	GO 10g 90o	0.84
15.00	GO 25g 75o	0.21
0.00	300 Feet GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

19-14S-31W-Gove KS

301 S Market
Wichita KS, 67202

Thies Ranch #5-19

Job Ticket: 50064

DST#: 2

ATTN: Brad Rine

Test Start: 2012.09.02 @ 07:18:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GOCM 10g 20o 70m	0.842
60.00	GO 10g 90o	0.842
15.00	GO 25g 75o	0.210
0.00	300 Feet GIP	0.000

Total Length: 135.00 ft Total Volume: 1.894 bbl

Num Fluid Samples: 0

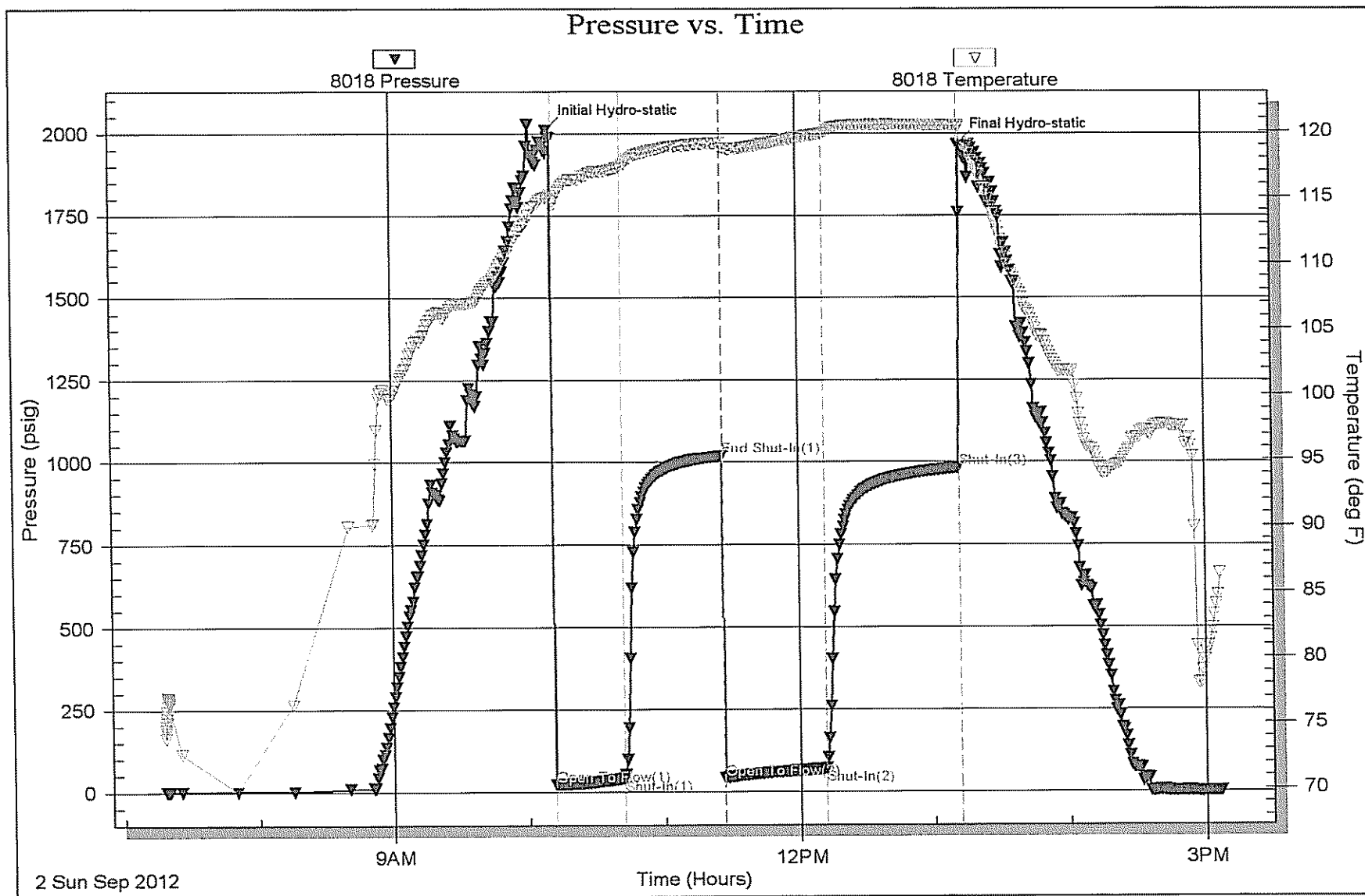
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: APT:42 @ 100 Degrees F =38





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company

19-14S-31W-Gove KS

301 S Market
Wichita KS, 67202

Thies Ranch #5-19

Job Ticket: 50065

DST#: 3

ATTN: Brad Rine

Test Start: 2012.09.02 @ 22:33:00

GENERAL INFORMATION:

Formation: LKC 'K'

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:30:50

Time Test Ended: 04:49:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: 4044.00 ft (KB) To 4074.00 ft (KB) (TVD)

Total Depth: 4074.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2760.00 ft (KB)

2751.00 ft (CF)

KB to GRVCF: 9.00 ft

Serial #: 8018

Inside

Press@RunDepth: 20.45 psig @ 4045.00 ft (KB)

Start Date: 2012.09.02

End Date:

2012.09.03

Capacity: 8000.00 psig

Last Calib.: 2012.09.03

Start Time: 22:33:01

End Time:

04:49:30

Time On Btm: 2012.09.03 @ 00:28:50

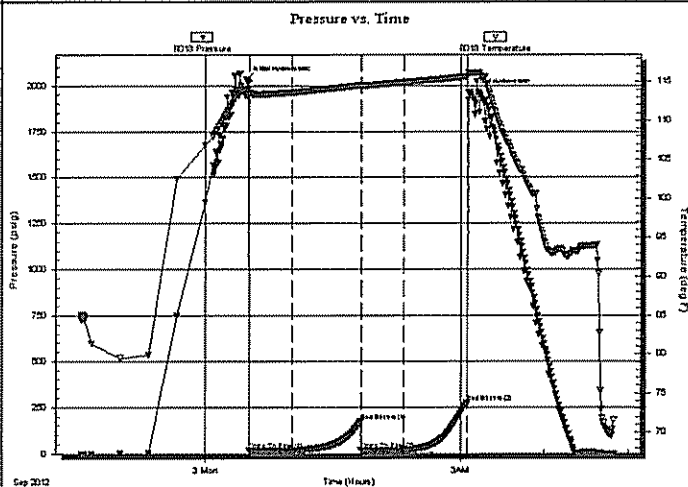
Time Off Btm: 2012.09.03 @ 03:05:39

TEST COMMENT: 1/4" Blow died @ 20 min.

No return.

No blow.

No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2032.37	113.85	Initial Hydro-static
2	18.99	112.78	Open To Flow (1)
32	20.15	113.63	Shut-In(1)
81	175.11	114.54	End Shut-In(1)
81	18.84	114.41	Open To Flow (2)
111	20.45	114.91	Shut-In(2)
156	274.73	115.68	End Shut-In(2)
157	1960.01	116.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	100m	0.01

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

19-14S-31W-Gove KS

301 S Market
Wichita KS, 67202

Thies Ranch #5-19

Job Ticket: 50065

DST#: 3

ATTN: Brad Rine

Test Start: 2012.09.02 @ 22:33:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
1.00	100m	0.014

Total Length: 1.00 ft

Total Volume: 0.014 bbf

Num Fluid Samples: 0

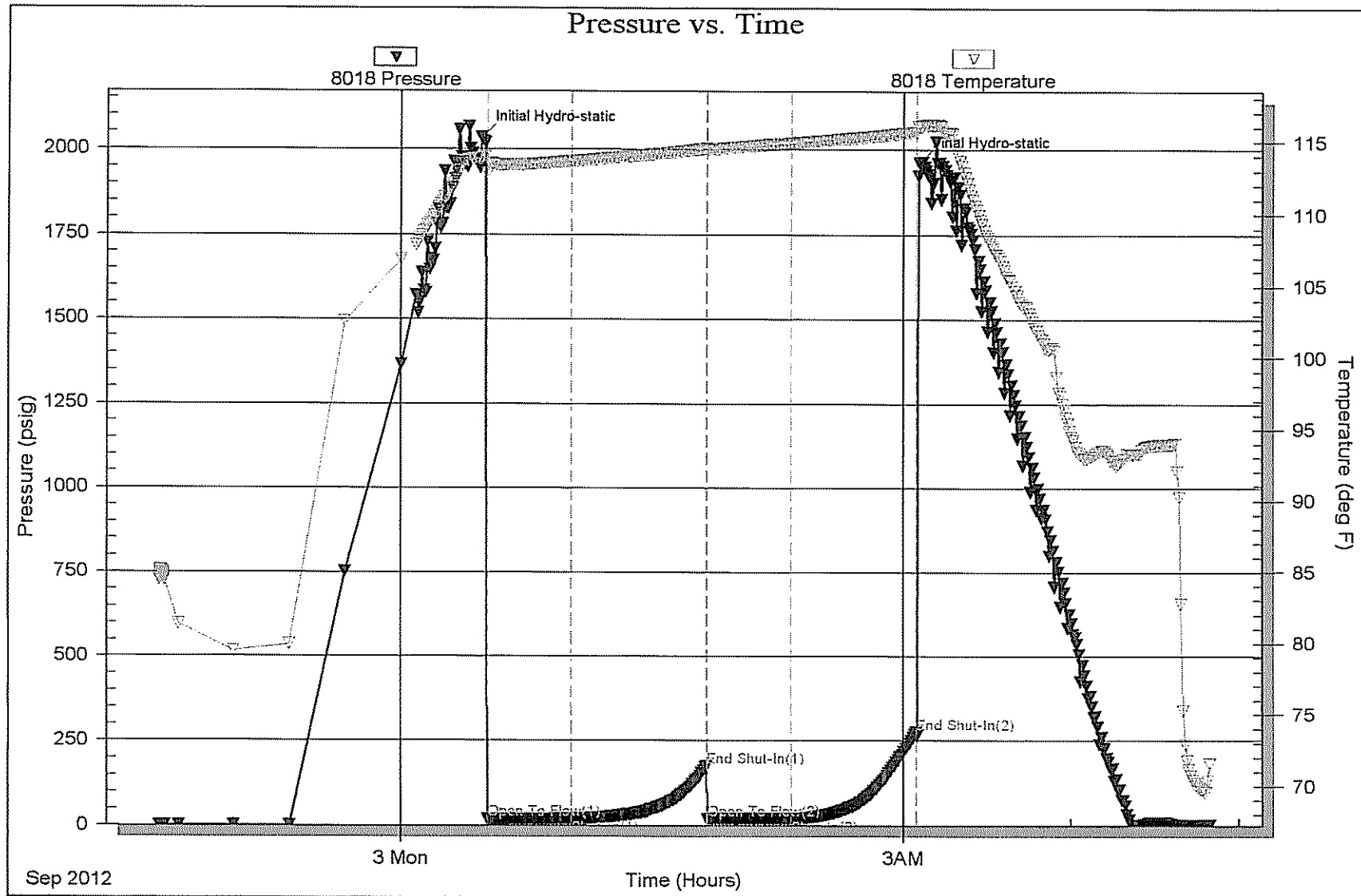
Num Gas Bombs: 0

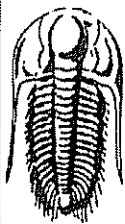
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company

19-14S-31W-Gove KS

301 S Market
Wichita KS, 67202

Thies Ranch #5-19

Job Ticket: 50066

DST#: 4

ATTN: Brad Rine

Test Start: 2012.09.04 @ 06:51:00

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:32:00

Time Test Ended: 13:43:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: 4277.00 ft (KB) To 4306.00 ft (KB) (TVD)

Total Depth: 4306.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2760.00 ft (KB)

2751.00 ft (CF)

KB to GRVCF: 9.00 ft

Serial #: 8018

Inside

Press@RunDepth: 20.43 psig @ 4278.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.09.04

End Date:

2012.09.04

Last Calib.: 2012.09.04

Start Time: 06:51:01

End Time:

13:43:40

Time On Btm: 2012.09.04 @ 09:30:50

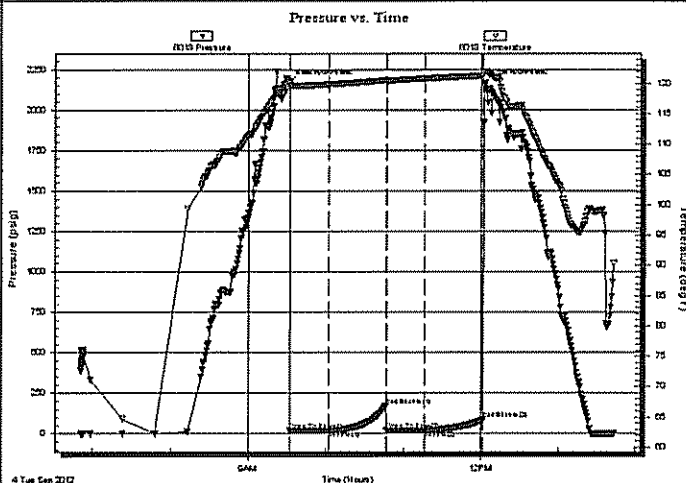
Time Off Btm: 2012.09.04 @ 12:02:20

TEST COMMENT: Weak blow died @ 20 min.

No return.

No blow.

No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2165.89	120.32	Initial Hydro-static
2	18.08	119.46	Open To Flow (1)
31	19.54	119.85	Shut-In(1)
76	171.82	120.52	End Shut-In(1)
76	19.62	120.43	Open To Flow (2)
106	20.43	120.82	Shut-In(2)
151	87.23	121.32	End Shut-In(2)
152	2165.71	121.97	Final Hydro-static

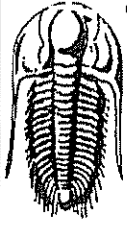
Recovery

Length (ft)	Description	Volume (bbl)
2.00	OSM 100m	0.03

* 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

19-14S-31W-Gove KS

301 S Market
Witchita KS, 67202

Thies Ranch #5-19

Job Ticket: 50066

DST#: 4

ATTN: Brad Rine

Test Start: 2012.09.04 @ 06:51:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
2.00	OSM 100m	0.028

Total Length: 2.00 ft Total Volume: 0.028 bbf

Num Fluid Samples: 0

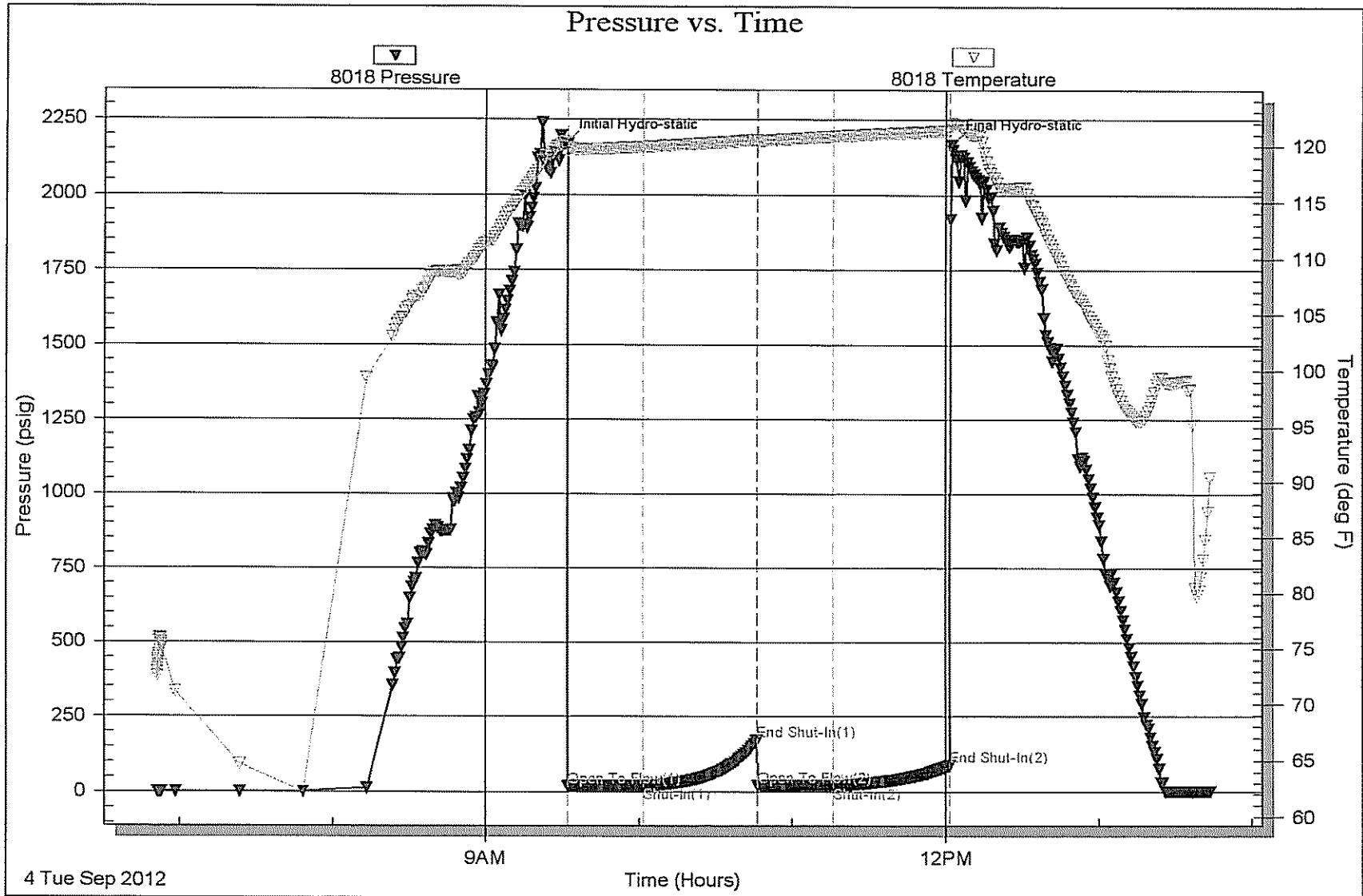
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company
 301 S Market
 Wichita KS, 67202
 ATTN: Brad Rine

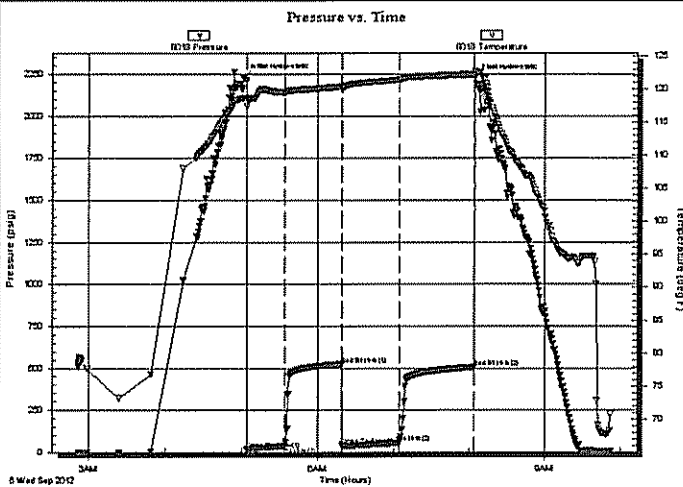
19-14S-31W-Gove KS
Thies Ranch #5-19
 Job Ticket: 50067 **DST#: 5**
 Test Start: 2012.09.05 @ 02:52:00

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:04:00
 Time Test Ended: 09:52:09
 Interval: **4350.00 ft (KB) To 4400.00 ft (KB) (TVD)**
 Total Depth: **4400.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chuck Smith
 Unit No: 62
 Reference Elevations: **2760.00 ft (KB)**
 2751.00 ft (CF)
 KB to GR/CF: **9.00 ft**

Serial #: 8018 Inside
 Press@RunDepth: **55.85 psig @ 4354.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2012.09.05** End Date: **2012.09.05** Last Calib.: **2012.09.05**
 Start Time: **02:52:01** End Time: **09:52:10** Time On Btm: **2012.09.05 @ 05:01:50**
 09:52:10 Time Off Btm: **2012.09.05 @ 08:04:30**

TEST COMMENT: 1 1/4" Blow.
 No return.
 1" Blow.
 No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2233.23	118.64	Initial Hydro-static
3	17.33	117.36	Open To Flow (1)
32	35.28	119.52	Shut-In(1)
77	522.83	120.34	End Shut-In(1)
77	36.99	120.08	Open To Flow (2)
122	55.85	121.46	Shut-In(2)
183	505.35	122.25	End Shut-In(2)
183	2230.65	122.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	M 100m Oil spot in tool.	0.84
15.00	OSM 100m	0.21

* 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

19-14S-31W-Gove KS

301 S Market
Wichita KS, 67202

Thies Ranch #5-19

Job Ticket: 50067

DST#: 5

ATTN: Brad Rine

Test Start: 2012.09.05 @ 02:52:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.58 in²

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
60.00	M 100m Oil spot in tool.	0.842
15.00	OSM 100m	0.210

Total Length: 75.00 ft Total Volume: 1.052 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

