



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1228685
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: _____

1228685

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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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 <i>(Explain)</i> _____
---	--

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	Martin 1-1
Doc ID	1228685

All Electric Logs Run

MPD/MDN
MML
MSS
MAI/MFE

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Martin 1-1
Doc ID	1228685

Tops

Name	Top	Datum
Heebner	4002	-765
Lansing	4049	-812
Stark Shale	4355	-1118
Hushpuckney	4409	-1172
Base KC	4507	-1270
Marmaton	4538	-1301
Pawnee	4632	-1395
Ft. Scott	4654	-1417
Johnson	4765	-1528
Morrow	4860	-1623
Mississippian	5002	-1765



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 146950
Invoice Date: Nov 2, 2014
Page: 1

Federal Tax I.D.#: 20-8651475

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

Customer ID	Field Ticket #	Payment Terms	
Lario	64342	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Nov 2, 2014	12/2/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Martin #1-1		
220.00	CEMENT MATERIALS	ASC	23.50	5,170.00
500.00	CEMENT MATERIALS	Light Weight Type 1	19.88	9,940.00
1,100.00	CEMENT MATERIALS	Kol Seal	0.98	1,078.00
62.00	CEMENT MATERIALS	FL-160	18.90	1,171.80
31.00	CEMENT MATERIALS	Defoamer	3.50	108.50
12.00	CEMENT MATERIALS	Super Flush	25.00	300.00
850.10	CEMENT SERVICE	Cubic Feet Charge	2.48	2,108.25
1,781.00	CEMENT SERVICE	Ton Mileage Charge	2.75	4,897.75
1.00	CEMENT SERVICE	Production -- Bottom Stage	3,009.25	3,009.25
1.00	CEMENT SERVICE	Production -- Top Stage	2,406.25	2,406.25
50.00	CEMENT SERVICE	Pump Truck Mileage	7.70	385.00
1.00	CEMENT SERVICE	Manifold Head Rental	275.00	275.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	EQUIPMENT SALES	5-1/2 D V Tool	5,335.00	5,335.00
1.00	EQUIPMENT SALES	5-1/2 AFU Float Shoe	545.00	545.00
1.00	EQUIPMENT SALES	5-1/2 Latch Down Plug	660.00	660.00
15.00	EQUIPMENT SALES	5-1/2 Centralizer	57.00	855.00
1.00	EQUIPMENT SALES	5-1/2 Basket	395.00	395.00
1.00	CEMENT SUPERVISOR	LaRene Wentz		
1.00	EQUIPMENT OPERATOR	Wayne McGhghy		

NOV 19 2014

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

\$ 11,657.94

ONLY IF PAID ON OR BEFORE
Dec 2, 2014

Subtotal	38,859.80
Sales Tax	2,083.00
Total Invoice Amount	40,942.80
Payment/Credit Applied	
TOTAL	40,942.80

ALLIED OIL & GAS SERVICES, LLC 064342

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Dakota, KS
11-3-14

DATE <i>11-2-14</i>	SEC. <i>1</i>	TWR. <i>19</i>	RANGE <i>36</i>	CALLED OUT	ON LOCATION <i>4:30pm</i>	JOB START <i>11:30am</i>	JOB FINISH <i>3:30pm</i>
LEASE <i>Martin</i>		WELL# <i>1-1</i>		LOCATION <i>Martin #45, 1466</i>		COUNTY <i>Cochise</i>	STATE <i>KS</i>
OLD OR NEW (Circle one)				<i>None</i>			

CONTRACTOR *Southwind 20*
 TYPE OF JOB *Production & Safety*
 HOLE SIZE *7 1/8* T.D. *5133.48*
 CASING SIZE *5 1/2* DEPTH *5133.48*
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL *DU 4 1/2* DEPTH *2467.30*
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT *20.99*
 CEMENT LEFT IN CSG. *20.99*
 PERFS.
 DISPLACEMENT *124.75 661 / 58.95 661*

OWNER *Same.*
 CEMENT
 AMOUNT ORDERED *2205K PC 10% salt*
22ozel, 54gilsomite, 3% F260, 15% P-2
500 2 1/2 Lites 14 3/4 10 1/2 10 1/2
500 2 1/2 Super flow
 COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 ASC *2205K* @ *23.50* *5170.00*
AKW Type 1 *2205K* @ *17.88* *9990.00*

EQUIPMENT
 PUMP TRUCK CEMENTER *Lakene Edwards*
 # *431* HELPER *Wayne McGilley*
 BULK TRUCK
 # *880/291* DRIVER *John Tamez (TWS)*
 BULK TRUCK
 # *566/595* DRIVER *Oscar Mascorro (TWS)*

Kol seal 100 # @ .98 1078.00
FL 60 62 # @ 18.90 1171.80
Deboner 31 # @ 3.50 108.50
Superflow 12 661 @ 25.00 300.00
Weatherford Total @ 17.70 200.00
850.1 @
 HANDLING *2473* @ *2.48* *2108.25*
 MILEAGE *35.62* @ *12.50* *4452.50*
 TOTAL _____

REMARKS:
Pump ball through 400 # Circ 1 Yahr
Mix 220 2% ASC, Displace with
water Land head play 800 #
Open DU tool 1050 # Circ 3 1/2 ins.
Plug 1050 # Plug 1050 #
Mix 420 2% Lites Displace with
land play 800 #. (Land with)
Cement did not cover well

(5,386.49 / 30%)
 SERVICE
 DEPTH OF JOB *5133.48*
 PUMP TRUCK CHARGE _____ *3007.25*
 EXTRA FOOTAGE _____ @ _____ *2406.25*
 MILEAGE *MEHO 50* @ *7.70* *3830.00*
 MANIFOLD *Head* _____ @ _____ *275.00*
MEHO 50 @ *4.90* *245.00*
 TOTAL _____

CHARGE TO: *Lovio Oil & Gas*
 STREET _____
 CITY _____ STATE _____ ZIP _____

(3,996.45 / 30%) TOTAL *13,301.50*

To: 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 was 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.

PLUG & FLOAT EQUIPMENT
Weatherford 5 1/2 "
DU TOOL @ 5335.00
APU Float Short @ 545.00
hot lid down plug @ 660.00
(5) Central feed @ 5200 2550.00
(1) Bas Rad @ 375.00 375.00
 TOTAL *7,790.00*

PRINTED NAME *Tim Gillegly*
 SIGNATURE *Tim Gillegly*

SALES TAX (if Any) _____
 TOTAL CHARGES *38,759.80*
 DISCOUNT *11.65794 (30%)* IF PAID IN 30 DAYS
 Bid *27,201.86 Net*



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 146612
Invoice Date: Oct 20, 2014
Page: 1

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

Federal Tax I.D.#: 20-8651475

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

*drilling a/c 14-237
11-3-14 JK*

Customer ID	Field Ticket #	Payment Terms	
Lario	63969	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Oct 20, 2014	11/19/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Martin #1-1		
225.00	CEMENT MATERIALS	Class A Common	17.90	4,027.50
635.00	CEMENT MATERIALS	Chloride	1.10	698.50
237.56	CEMENT SERVICE	Cubic Feet Charge	2.48	589.15
544.61	CEMENT SERVICE	Ton Mileage Charge	2.75	1,497.68
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
50.00	CEMENT SERVICE	Pump Truck Mileage	7.70	385.00
1.00	CEMENT SERVICE	Manifold Rental	275.00	275.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	EQUIPMENT SALES	8-5/8 Wooden Plug	110.00	110.00
1.00	CEMENT SUPERVISOR	Joshua Isaac		
1.00	OPERATOR ASSISTANT	Daniel Casper		

Acct	Empl	DATE	OK	RECEIVED
CC		NOV 4 2014		
KG				
HY				
PV				

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

\$ 2,761.53

ONLY IF PAID ON OR BEFORE

Nov 19, 2014

Subtotal	9,315.08
Sales Tax	394.13
Total Invoice Amount	9,709.21
Payment/Credit Applied	
TOTAL	9,709.21

ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. # 20-8651475

063969

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Eastland

DATE <u>10-20-14</u>	SEC. <u>1</u>	TWP. <u>19</u>	RANGE <u>30</u>	CALLED OUT	ON LOCATION	JOB START <u>12:30pm</u>	JOB FINISH <u>1:40pm</u>
LEASE <u>Martin</u>	WELL# <u>14</u>	LOCATION <u>Scotty W to Rd 72-45</u>			COUNTY <u>Llano</u>	STATE <u>TX</u>	
OLD OR NEW (Circle one)		<u>1 1/2 L - Nims</u>					

CONTRACTOR Southwind TO
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D.
 CASING SIZE 8 1/2 DEPTH 355.31
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15ft
 PERFS.
 DISPLACEMENT 21.67 bbl H2O

OWNER
 CEMENT AMOUNT ORDERED 225 SK class A 3% CC
 COMMON 225 @ 17.90 4,027.50
 POZMIX @
 GEL @
 CHLORIDE 635 @ 1.10 698.50
 ASC @
Materials Total 4,726.00
Disc 30% 1,417.80
 @
 @
 @
 @
 Service
 @
 HANDLING 237.56 @ 2.48 589.16
 MILEAGE 544.61 X @ 2.75 1,497.68

EQUIPMENT
 PUMP TRUCK CEMENTERS Josh Isaac
 # 398 HELPER Don Casper
 BULK TRUCK
 # 071-112 DRIVER Clayton Barnett (TWS)
 BULK TRUCK DRIVER

REMARKS:

On location - Big rig - had safety meeting
Ran 856 casing - break circulation
primed 5 bbl H2O
with 225 SK class A 3% CC
Displace 21.67 bbl H2O
Spent in 1 AM
Cement did circulate
Big rig

CHARGE TO: Allied Oil & Gas
 STREET _____
 CITY _____ STATE _____ ZIP _____

Thank you!!
 To: 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 was 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 X Sam Staryas
 SIGNATURE X Sam Staryas

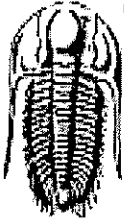
DEPTH OF JOB
 PUMP TRUCK CHARGE 1512.35
 EXTRA FOOTAGE @
 MILEAGE Hum 50 @ 7.70 385.00
 MANIFOLD @ 275.00 275.00
Hum 50 @ 4.40 220.00
 @

TOTAL 4,479.09
 Disc 30% 1,343.73

PLUG & FLOAT EQUIPMENT

wooden plug @ 110.00 110.00
 @
 @
 @
 @
 TOTAL 110.00
 Disc 30%

SALES TAX (If Any)
 TOTAL CHARGES 9,315.09 (30/30/0)
 DISCOUNT 2,761.53
 IF PAID IN 30 DAYS
6,553.56



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Lario Oil & Gas Co

1/14s-36w Wichita/ Ks

301 south market
Wichita Ks 67202

Martin 1-1

Job Ticket: 57361

DST#: 1

ATTN: Steve Davis

Test Start: 2014.10.27 @ 08:08:30

GENERAL INFORMATION:

Formation: Lansing K

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:05:48

Time Test Ended: 16:44:58

Test Type: Conventional Bottom Hole (Initial)

Tester: James Geier

Unit No: 61

Interval: 4358.00 ft (KB) To 4385.00 ft (KB) (TVD)

Total Depth: 4385.00 ft (KB) (TVD)

Hole Diameter: 7.87 inches Hole Condition: Fair

Reference Elevations: 3237.00 ft (KB)

3225.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8357

Outside

Press@RunDepth: 924.38 psig @ 4359.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.27

End Date:

2014.10.27

Last Calib.: 2014.10.27

Start Time: 08:08:30

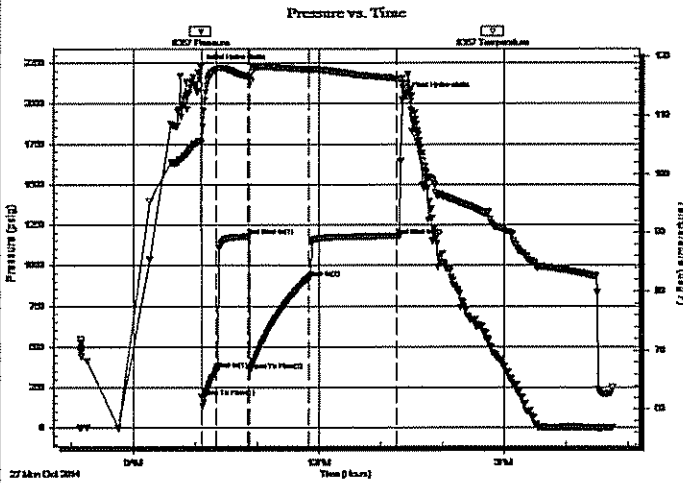
End Time:

16:44:58

Time On Btm: 2014.10.27 @ 10:05:08

Time Off Btm: 2014.10.27 @ 13:24:48

TEST COMMENT: IF: BOB in 3 min.
IS: No return
FF: BOB in 4 min.
FS: No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2220.98	105.72	Initial Hydro-static
1	192.65	105.24	Open To Flow (1)
15	361.96	117.82	Shut-in(1)
46	1179.14	116.59	End Shut-in(1)
48	355.24	116.06	Open To Flow (2)
105	924.38	117.82	Shut-in(2)
191	1181.35	116.27	End Shut-in(2)
200	2048.10	115.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
559.00	w c m 70% w 30% m	2.75
559.00	w c m 76% w 24% m	2.75
559.00	w c m 90% w 10% m	2.75
559.00	w c m 95% w 5% m	2.75

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co

1/14s-36w Wichita/ Ks

301 south market
Wichita Ks 67202

Martin 1-1

Job Ticket: 57361

DST#: 1

ATTN: Steve Davis

Test Start: 2014.10.27 @ 08:08:30

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:

40000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
559.00	w c m 70% w 30% m	2.749
559.00	w c m 76% w 24% m	2.749
559.00	w c m 90% w 10% m	2.749
559.00	w c m 95% w 5% m	2.749

Total Length: 2236.00 ft

Total Volume: 10.996 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

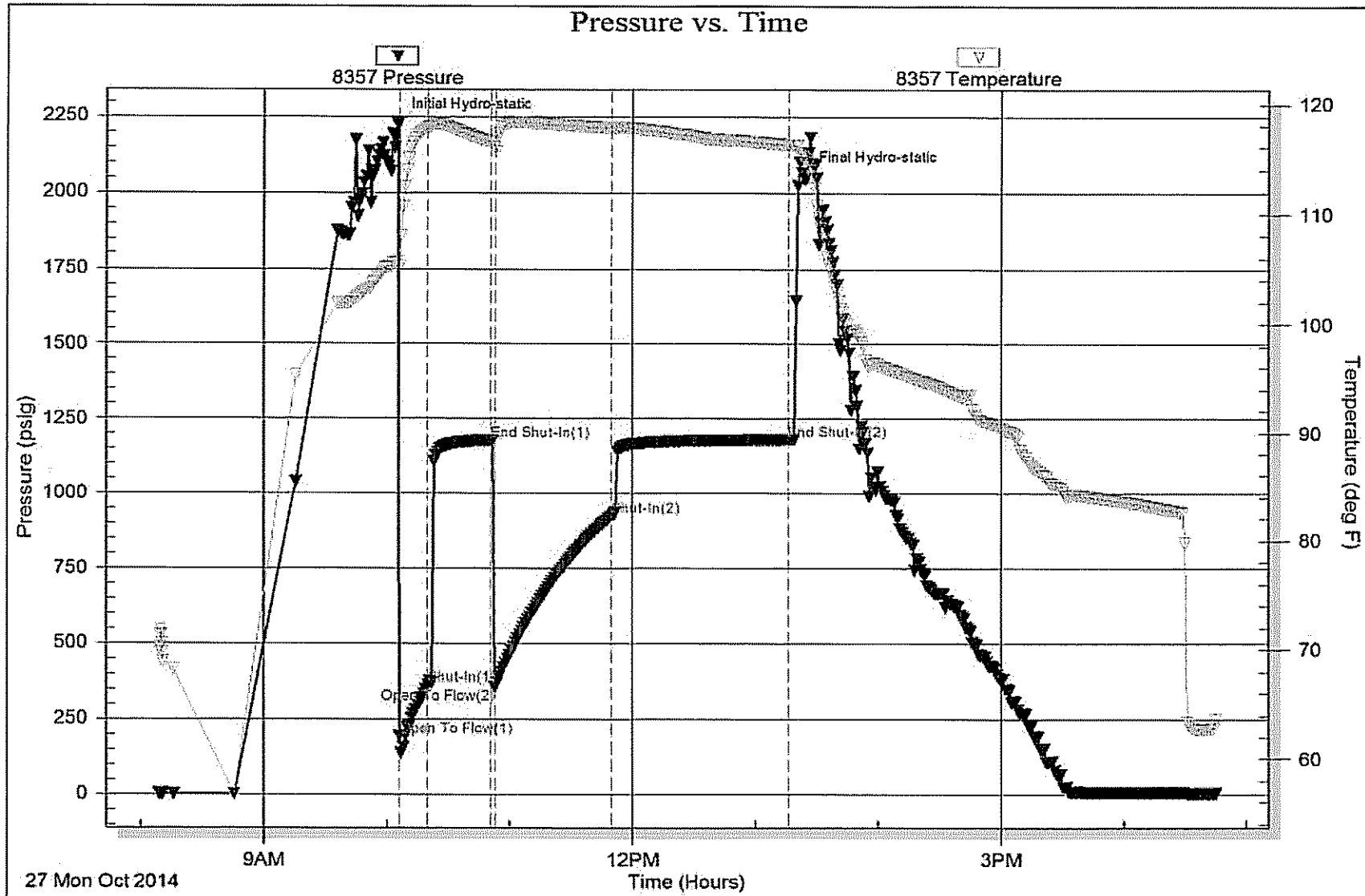
Recovery Comments:

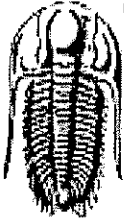
Serial #: 8357

Outside Lario Oil & Gas Co

Martin 1-1

DST Test Number: 1





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Lario Oil & Gas Co

1/14s-36w Wichita/ Ks

301 south market
Wichita Ks 67202

Martin 1-1

Job Ticket: 57362

DST#: 2

ATTN: Steve Davis

Test Start: 2014.10.28 @ 15:47:04

GENERAL INFORMATION:

Formation: **Marmaton A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:46:22

Time Test Ended: 23:39:42

Test Type: Conventional Bottom Hole (Reset)

Tester: James Geier

Unit No: 61

Interval: 4532.00 ft (KB) To 4572.00 ft (KB) (TVD)

Total Depth: 4572.00 ft (KB) (TVD)

Hole Diameter: 7.87 inches Hole Condition: Fair

Reference Elevations: 3237.00 ft (KB)

3225.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8357

Outside

Press@RunDepth: 61.42 psig @ 4533.00 ft (KB)

Start Date: 2014.10.28

End Date:

2014.10.28

Capacity: 8000.00 psig

Last Calib.:

2014.10.28

Start Time: 15:47:04

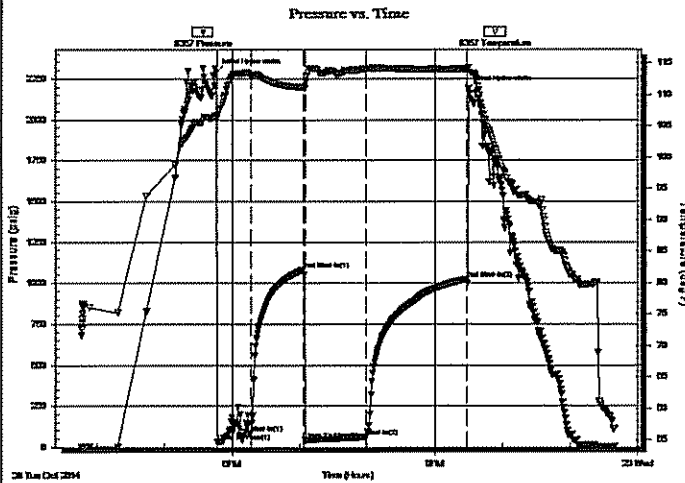
End Time:

23:39:42

Time On Btm: 2014.10.28 @ 17:45:32

Time Off Btm: 2014.10.28 @ 21:29:42

TEST COMMENT: F: 1 1/2" blow in 15 min.
IS: No return
FF: 1" blow in 45 min.
FS: No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2288.63	106.76	Initial Hydro-static
1	30.80	106.32	Open To Flow (1)
31	85.93	113.09	Shut-in(1)
78	1081.82	111.22	End Shut-in(1)
80	45.43	111.00	Open To Flow (2)
134	61.42	114.13	Shut-in(2)
223	1023.68	114.07	End Shut-in(2)
225	2188.83	114.34	Final Hydro-static

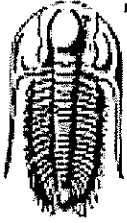
Recovery

Length (ft)	Description	Volume (bbl)
106.00	o c m w 20% o 30% w 50% m	0.52

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co

1/14s-36w Wichita/ Ks

301 south market
Wichita Ks 67202

Martin 1-1

Job Ticket: 57362

DST#: 2

ATTN: Steve Davis

Test Start: 2014.10.28 @ 15:47:04

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: 67.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in³

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: ohm.m

Salinity: 8500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
106.00	o c mw 20% o 30% w 50% m	0.521

Total Length: 106.00 ft

Total Volume: 0.521 bbl

Num Fluid Samples: 0

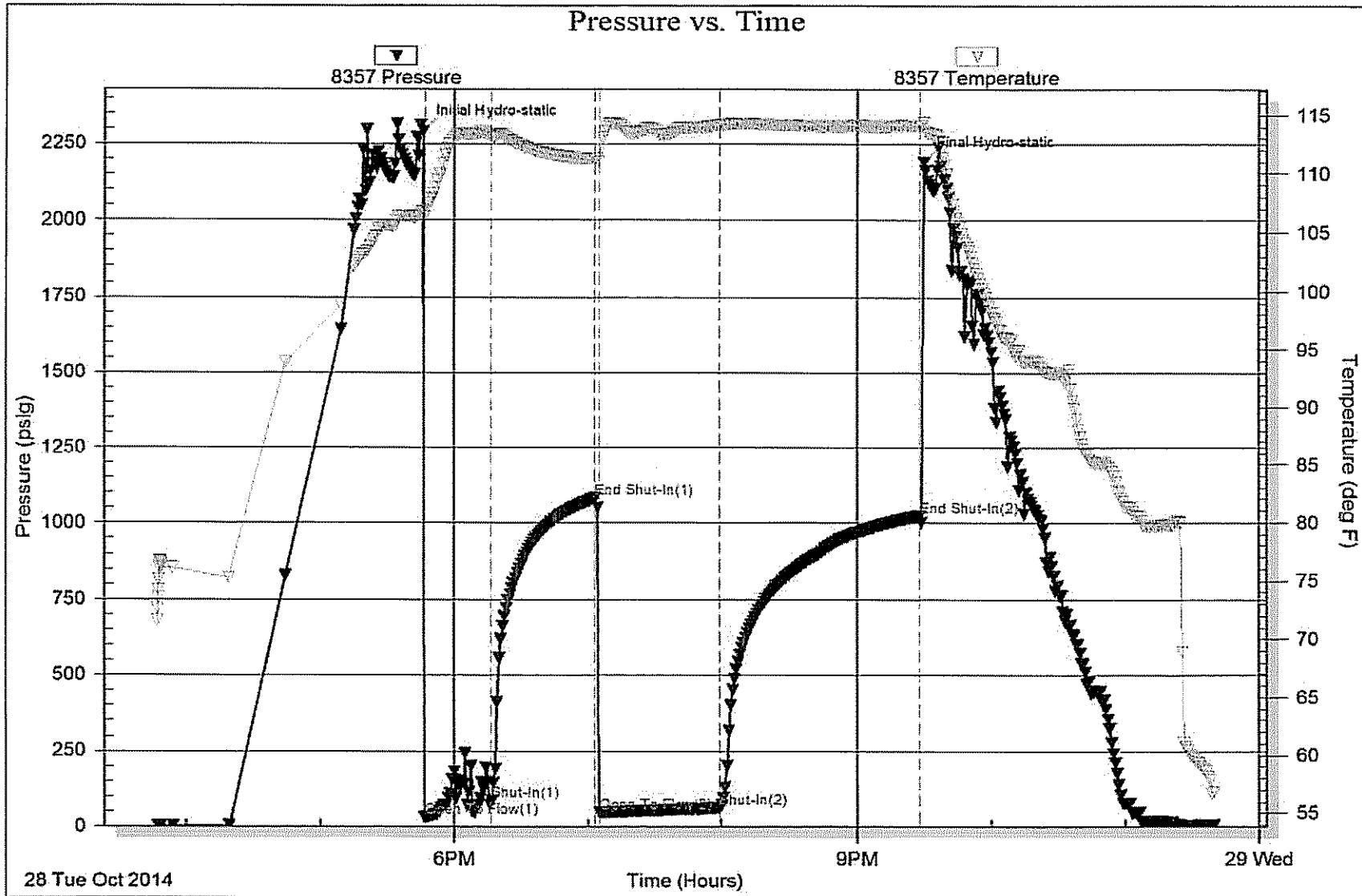
Num Gas Bombs: 0

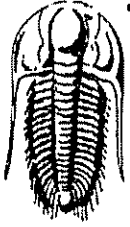
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Co

S1-19s-36w Wichita/ Ks

301 south market
Wichita KS 67202

Martin 1-1

Job Ticket: 59183

DST#: 3

ATTN: Steve Davis

Test Start: 2014.10.30 @ 16:57:00

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:49:10

Time Test Ended: 00:46:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: **4857.00 ft (KB) To 4892.00 ft (KB) (TVD)**

Reference Elevations: **3237.00 ft (KB)**

Total Depth: **4892.00 ft (KB) (TVD)**

3225.00 ft (CF)

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

KB to GR/CF: **12.00 ft**

Serial #: 8357

Press@RunDepth: **82.90 psig @** ft (KB)

Capacity: **8000.00 psig**

Start Date: **2014.10.30**

End Date: **2014.10.31**

Last Calib.: **2014.10.31**

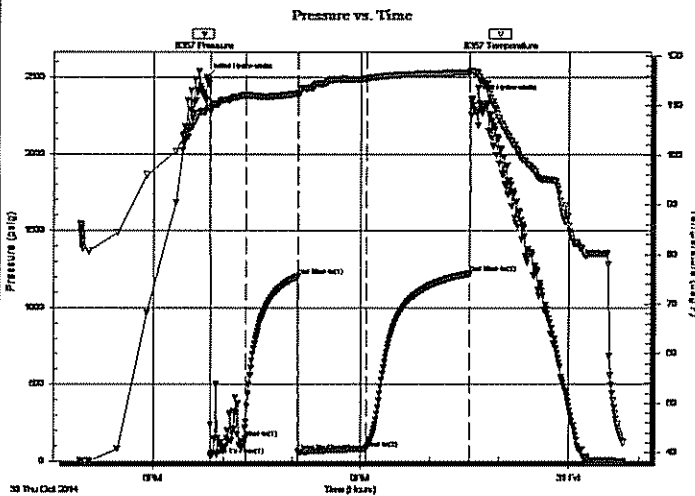
Start Time: **16:57:02**

End Time: **00:46:50**

Time On Btm: **2014.10.30 @ 18:45:30**

Time Off Btm: **2014.10.30 @ 22:36:09**

TEST COMMENT: 30- 2" Blow .
45- No return.
60- 4" Blow .
90- No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2499.16	109.12	Initial Hydro-static
4	36.82	109.42	Open To Flow (1)
34	147.72	112.09	Shut-In(1)
80	1203.40	112.44	End Shut-In(1)
80	59.60	112.05	Open To Flow (2)
140	82.90	115.46	Shut-In(2)
230	1221.57	116.69	End Shut-In(2)
231	2359.07	117.08	Final Hydro-static

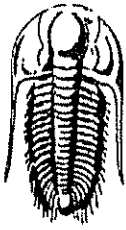
Recovery

Length (ft)	Description	Volume (bbl)
135.00	OCM 30 to 97m	0.66

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co

S1-19s-36w Wichita/ Ks

301 south market
Wichita KS 67202

Martin 1-1

Job Ticket: 59183

DST#: 3

ATTN: Steve Davis

Test Start: 2014.10.30 @ 16:57:00

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: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
135.00	OCM 3o 97m	0.664

Total Length: 135.00 ft

Total Volume: 0.664 bbf

Num Fluid Samples: 0

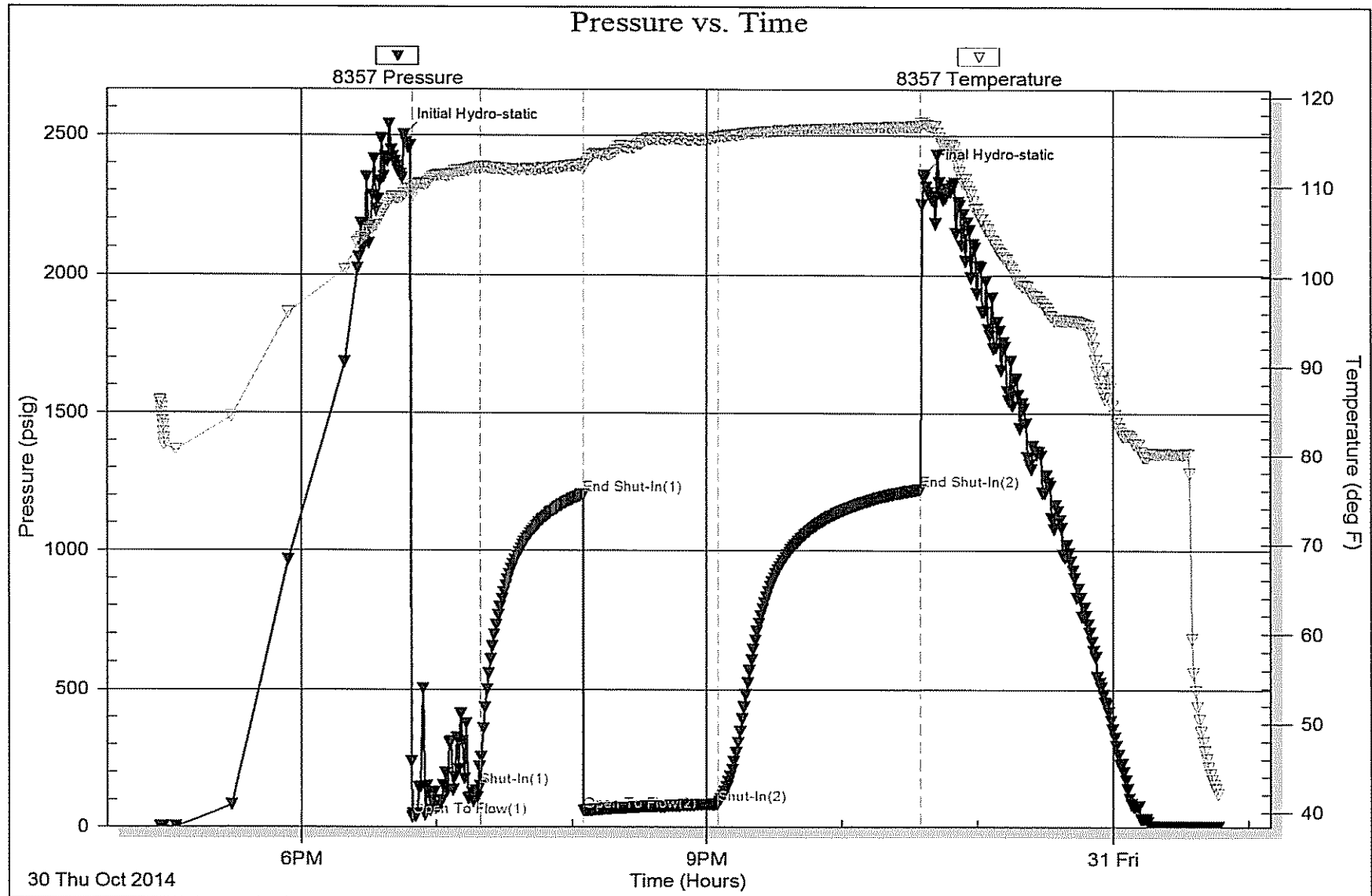
Num Gas Bombs: 0

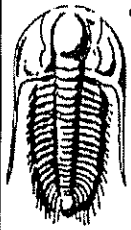
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Co

S1-19s-36w Wichita/ Ks

301 S. Market
Wichita KS 67202

Martin 1-1

Job Ticket: 59184

DST#: 4

ATTN: Steve Davis

Test Start: 2014.10.31 @ 07:41:00

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:04:30

Time Test Ended: 15:52:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: 4854.00 ft (KB) To 4903.00 ft (KB) (TVD)

Reference Elevations: 3237.00 ft (KB)

Total Depth: 4903.00 ft (KB) (TVD)

3225.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 8357 Inside

Press@RunDepth: 243.51 psig @ 4856.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.31

End Date: 2014.10.31

Last Calib.: 2014.10.31

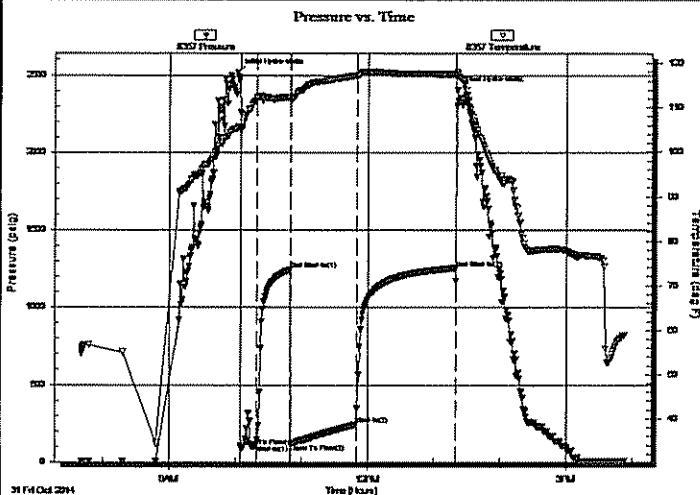
Start Time: 07:41:02

End Time: 15:52:40

Time On Btm: 2014.10.31 @ 10:01:20

Time Off Btm: 2014.10.31 @ 13:21:39

TEST COMMENT: 15- B.O.B. @ 12 min.
30- No return.
60- B.O.B. @ 5 min.
90- B.O.B. @ 70 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2517.30	105.61	Initial Hydro-static
4	100.97	104.93	Open To Flow (1)
18	108.89	112.26	Shut-In(1)
48	1242.42	112.44	End Shut-In(1)
49	119.27	111.70	Open To Flow (2)
109	243.51	117.29	Shut-In(2)
199	1254.40	117.54	End Shut-In(2)
201	2402.52	117.65	Final Hydro-static

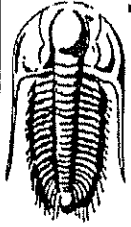
Recovery

Length (ft)	Description	Volume (bbl)
124.00	GMCO 5g 45m 50o	0.61
248.00	GMCO 20g 20m 60o	1.22
124.00	GMCO 20g 35m 45o	0.61
30.00	MCO 40m 60o	0.15
0.00	No Gas seen or smelled in pipe.	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co

S1-19s-36w Wichita/ Ks

301 S. Market
Wichita KS 67202

Martin 1-1

Job Ticket: 59184

DST#: 4

ATTN: Steve Davis

Test Start: 2014.10.31 @ 07:41:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
124.00	GMCO 5g 45m 50o	0.610
248.00	GMCO 20g 20m 60o	1.220
124.00	GMCO 20g 35m 45o	0.610
30.00	MCO 40m 60o	0.148
0.00	No Gas seen or smelled in pipe.	0.000

Total Length: 526.00 ft Total Volume: 2.588 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 28 @ 60 Degrees F = 28.

