



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1084039
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: _____

1084039

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
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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	Thies Ranch 4-19
Doc ID	1084039

All Electric Logs Run

CDL/CNL/PE
DIL
SONIC
MEL

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Thies Ranch 4-19
Doc ID	1084039

Tops

Name	Top	Datum
Heebner	3750	-995
Lansing	3786	-1031
Stark Shale	4032	-1277
Hushpuckney	4066	-1311
BKC	4111	-1356
Marmton	4156	-1401
Pawnee	4235	-1480
Ft. Scott	4264	-1509
Johnson	4355	-1600
Morrow	4384	-1629
Mississippian	4398	-1643

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 15-063-21993-00-00
Thies Ranch 4-19
SW/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



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 131439
Invoice Date: Jun 6, 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

*Theis Ranch 4-19
AFE 12-072 drilling
6-19-12 LK*

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Lario	Theis Ranch # 4-19	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jun 6, 2012	7/6/12

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
162.20	SER	Handling	2.10	340.62
20.00	SER	Ton Miles	17.39	347.80
1.00	SER	Surface	1,125.00	1,125.00
20.00	SER	Heavy Vehicle Mileage	7.00	140.00
20.00	SER	Light Vehicle Mileage	4.00	80.00
1.00	CEMENTER	Terry Heinrich		
1.00	CEMENTER	Andrew Forslund		
1.00	OPER ASSIST	Chris Helpingstine		

*all
LC*
JUN 19 2012
*all
LC*

Subtotal	4,825.67
Sales Tax	224.78
Total Invoice Amount	5,050.45
Payment/Credit Applied	
TOTAL	5,050.45

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

\$ *1706.50*

ONLY IF PAID ON OR BEFORE

Jul 1, 2012

ALLIED CEMENTING CO., LLC. 044129

Federal Tax I.D.# 20-5975804

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

SERVICE POINT

OAKLEY,

DATE <u>6-6-2012</u>	SEC. <u>19</u>	TWP. <u>14S</u>	RANGE <u>31W</u>	CALLED OUT	ON LOCATION <u>11:30 AM</u>	JOB START <u>2:00 AM</u>	JOB FINISH <u>2:50 AM</u>
LEASE <u>Thie's Ranch</u>	WELL# <u>4-19</u>	LOCATION <u>OAKLEY 205-2E-5 INTO</u>			COUNTY <u>GOVE</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR V/A/ ONLY REG # 4

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4" T.D. 228'

CASING SIZE 8 5/8" DEPTH 228'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 13 1/2 BAGS

EQUIPMENT

OWNER SAME

CEMENT AMOUNT ORDERED 150 SKS COM 3% CC 2% GEL

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>58.20</u>	<u>291.00</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>162.2 CU YD</u>	@ <u>2.10</u>	<u>340.62</u>
MILEAGE	<u>7.4 TO AX 20 X 2</u>	@ <u>47.50</u>	<u>347.50</u>
TOTAL			<u>3480.67</u>

PUMP TRUCK CEMENTER PEARY

423-281 HELPER ANDREW

BULK TRUCK

396 DRIVER CHARS

BULK TRUCK

DRIVER

REMARKS:

MIX 150 SKS COM 3% CC 2% GEL.
DISPLACE 13 1/2 BAGS WATER. SHUT TO
SURFACE.

CEMENT DIED CIRC.

THANK YOU

CHARGE TO: LARIO OIL & GAS

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 228'

PUMP TRUCK CHARGE 1125

EXTRA FOOTAGE @ _____

MILEAGE 20 MI @ 7.00 140.00

MANIFOLD

LUM 20 MI @ 4.00 80.00

TOTAL 1345.00

PLUG & FLOAT EQUIPMENT

@ _____

@ _____

@ _____

@ _____

TOTAL _____

To Allied Cementing Co., 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.

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME _____

SIGNATURE [Signature]

Bid



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 131513
Invoice Date: Jun 16, 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

drilling AFE 12072
CK 6/26/12

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Lario	Thies Ranch 4-19	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jun 16, 2012	7/16/12

Quantity	Item	Description	Unit Price	Amount
3.00	MAT	Gel	21.25	63.75
150.00	MAT	ASC	19.00	2,850.00
360.00	MAT	Class A Lightweight	14.50	5,220.00
14.00	MAT	Salt	23.95	335.30
750.00	MAT	Gilsonite	0.89	667.50
90.00	MAT	FloSeal	2.70	243.00
500.00	MAT	Superflush	1.27	635.00
597.41	SER	Cubic Feet	2.10	1,254.56
501.40	SER	Ton Miles	2.35	1,178.29
1.00	SER	Production (2 Stage)	2,405.00	2,405.00
20.00	SER	Heavy Vehicle Mileage	7.00	140.00
1.00	SER	Manifold Head Rental	200.00	200.00
20.00	SER	Light Vehicle Mileage	4.00	80.00
1.00	EQP	5 1/2 DV Tool	4,921.00	4,921.00
1.00	EQP	5 1/2 AFU Float Shoe	349.00	349.00
1.00	EQP	5 1/2 Latch Down Plug	277.00	277.00
9.00	EQP	5 1/2 Centralizers	49.00	441.00
1.00	EQP	5 1/2 Basket	337.00	337.00
1.00	CEMENTER	LaRene Wentz		
1.00	EQUIP OPER	Wayne Mc Ghghy		
1.00	OPER ASSIST	Chris Helpingstine		

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

\$ See next

ONLY IF PAID ON OR BEFORE
Jul 11, 2012

Subtotal	Continued
Sales Tax	Continued
Total Invoice Amount	Continued
Payment/Credit Applied	
TOTAL	Continued



PO Box 93999
 Southlake, TX 76092

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

INVOICE

Invoice Number: 131513
 Invoice Date: Jun 16, 2012
 Page: 2



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

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Lario	Thies Ranch 4-19	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jun 16, 2012	7/16/12

Quantity	Item	Description	Unit Price	Amount
1.00	OPER ASSIST	Adam Holcomb		
1.00	OPER ASSIST	Jeremy Sterger		

Subtotal	21,597.40
Sales Tax	1,315.33
Total Invoice Amount	22,912.73
Payment/Credit Applied	
TOTAL	22,912.73

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

\$ 4599.14

ONLY IF PAID ON OR BEFORE

Jul 11, 2012

ALLIED CEMENTING CO., LLC. 034503

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

DAKLEY-12-072

Dakley, KS

DATE <u>6-16-12</u>	SEC. <u>19</u>	TWP. <u>14</u>	RANGE <u>31</u>	CALLED OUT	ONE LOCATION	JOB START <u>7:00 am</u>	JOB FINISH <u>8:30 am</u>
LEASE <u>Phires Ranch</u>	WELL # <u>4-19</u>	LOCATION <u>Dakley, KS 205, 2E,</u>	COUNTY <u>Gove</u>	STATE <u>KS</u>			
OLD OR NEW (Circle one) <u>Siute</u>							

CONTRACTOR Dal #4

TYPE OF JOB Production (2 stages)

HOLE SIZE 7 7/8" T.D. 4585'

CASING SIZE 5 1/2" DEPTH 4371'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DU tool DEPTH 2266.1'

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 20.3'

CEMENT LEFT IN CSG. 20.3'

PERFS.

DISPLACEMENT 109.57

OWNER same

CEMENT

AMOUNT ORDERED 150sk ABC 10% salt

2 bag 5# gilsonite, 360 sk Lita 10% salt

500 gal super flesh

COMMON	@		
POZMIX	@		
GEL	<u>350</u>	@ <u>21.25</u>	<u>7387.50</u>
CHLORIDE	@		
ASC	<u>150sk</u>	@ <u>19.00</u>	<u>2850.00</u>
ALW type II	<u>360sk</u>	@ <u>14.50</u>	<u>5220.00</u>
salt	<u>180sk</u>	@ <u>23.99</u>	<u>4318.20</u>
gilsomite	<u>250#</u>	@ <u>.87</u>	<u>217.50</u>
Fla-sal	<u>90#</u>	@ <u>2.70</u>	<u>243.00</u>
super flesh 500gal		@ <u>1.27</u>	<u>635.00</u>
	@		
HANDLING	<u>522.41</u>	@ <u>2.10</u>	<u>1097.06</u>
MILEAGE	<u>2307</u>	@ <u>2.35</u>	<u>5422.45</u>

EQUIPMENT

PUMP TRUCK CEMENTER Lakone Wrentz

422 HELPER Wayne McElroy

BULK TRUCK DRIVER Chris Helpling

409

BULK TRUCK DRIVER Adam Jeremy S.

396/306 Holcomb Steger

REMARKS:

pump ball through #. Mix super flesh
mix 150sk ABC, Displace with water and
hand plug #. Open DU tool. Circulate
hos. plug mouse hole 20sk, plug
rat hole 20sk mix 310sk Lita,
Displace with water, hand plug #.
Cement did circulate.

Thank you

TOTAL 12442.40

SERVICE

DEPTH OF JOB	<u>4.571'</u>		
PUMP TRUCK CHARGE			<u>2403.00</u>
EXTRA FOOTAGE	@		
MILEAGE	<u>20</u>	@ <u>7.00</u>	<u>140.00</u>
MANIFOLD head	@		<u>202.00</u>
Lump sum	<u>20</u>	@ <u>4.00</u>	<u>80.00</u>
	@		

TOTAL 2825.00

CHARGE TO: Harco Oil & Gas Co

STREET: PO Box 1093

CITY Garden STATE KS ZIP 67846

PLUG & FLOAT EQUIPMENT

DU tool		<u>4726.00</u>
AFU float shoe	@	<u>342.00</u>
latch down plug	@	<u>282.00</u>
Centralizers	@ <u>4200</u>	<u>47600</u>
W/Basket	@ <u>332.00</u>	<u>332.00</u>
	@	

TOTAL 6325.00

To Allied Cementing Co., 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.

SALES TAX (If Any) _____

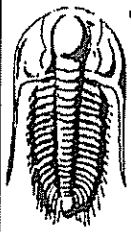
TOTAL CHARGES 21,597.40

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME Curtis D Keil

SIGNATURE Curtis D Keil

Bid 20120120140



**TRIOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil and Gas Co
301 S market St
Wichita KS 67202+3805
ATTN: Wes Hansen

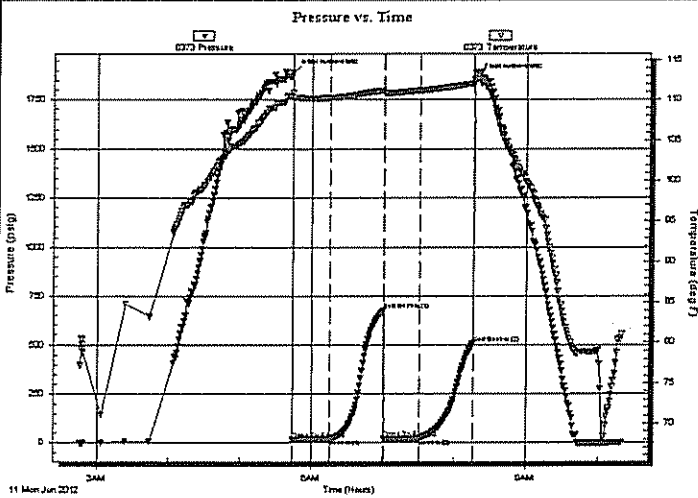
19 14 31
Thies Ranch # 4-19
Job Ticket: 46529 DST#: 1
Test Start: 2012.06.11 @ 02:46:00

GENERAL INFORMATION:

Formation: **Lansing D**
Deviated: **No Whipstock 0.00 ft (KB)**
Time Tool Opened: **05:44:03**
Time Test Ended: **10:19:32**
Interval: **3858.00 ft (KB) To 3880.00 ft (KB) (TVD)**
Total Depth: **3880.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole (Initial)**
Tester: **Cole Archibald**
Unit No: **60**
Reference Elevations: **2755.00 ft (KB)**
2751.00 ft (CF)
KB to GR/CF: **4.00 ft**

Serial #: 8373 **Inside**
Press@RunDepth: **23.73 psig @ 3859.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2012.06.11** End Date: **2012.06.11** Last Calib.: **2012.06.11**
Start Time: **02:46:05** End Time: **10:19:33** Time On Blrr: **2012.06.11 @ 05:43:33**
Time Off Blrr: **2012.06.11 @ 08:18:02**

TEST COMMENT: weak surface blow died after 28 min
No return
no blow
No return



PRESSURE SUMMARY

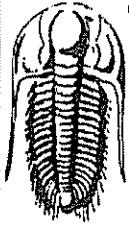
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1887.02	110.82	Initial Hydro-static
1	15.93	110.23	Open To Flow (1)
32	20.44	110.26	Shut-In(1)
77	672.98	111.15	End Shut-In(1)
78	22.95	110.84	Open To Flow (2)
108	23.73	111.15	Shut-In(2)
153	504.98	112.02	End Shut-In(2)
155	1863.34	113.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	osm 95% m 5% O	0.21
5.00	o 100% O	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil and Gas Co
301 S market St
Wichita KS 67202+3805
ATTN: Wes Hansen

19 14 31
Thies Ranch # 4-19
Job Ticket: 46529 DST#: 1
Test Start: 2012.06.11 @ 02:46:00

Mud and Cushion Information

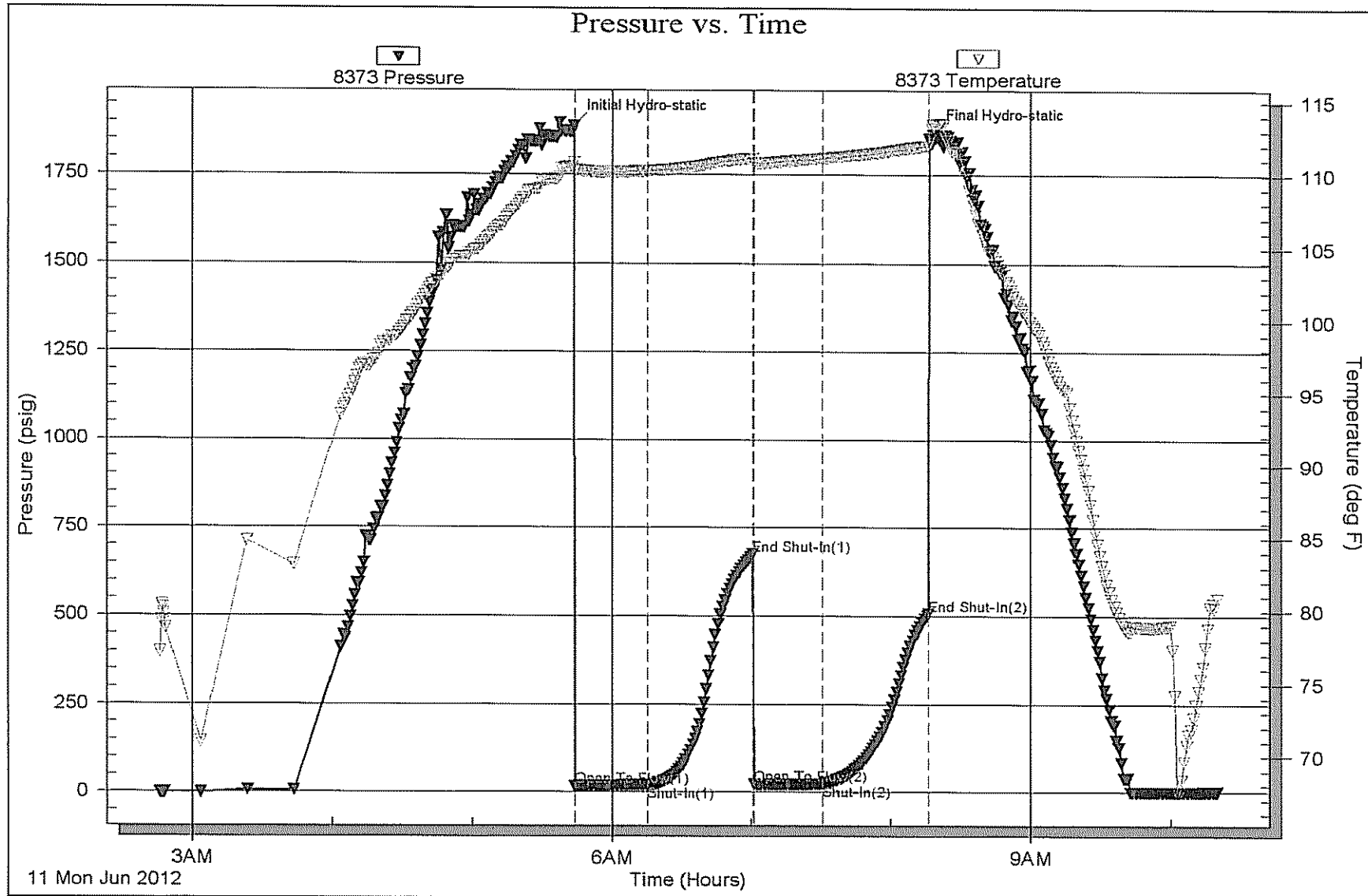
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1900.00 ppm			
Filter Cake: 1.00 inches			

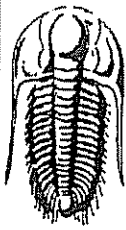
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	osm 95% m 5% O	0.210
5.00	o 100% O	0.070

Total Length: 20.00 ft Total Volume: 0.280 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





TRIOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Co
301 S Market St
Wichita KS 67202+3805
ATTN: Wes Hansen

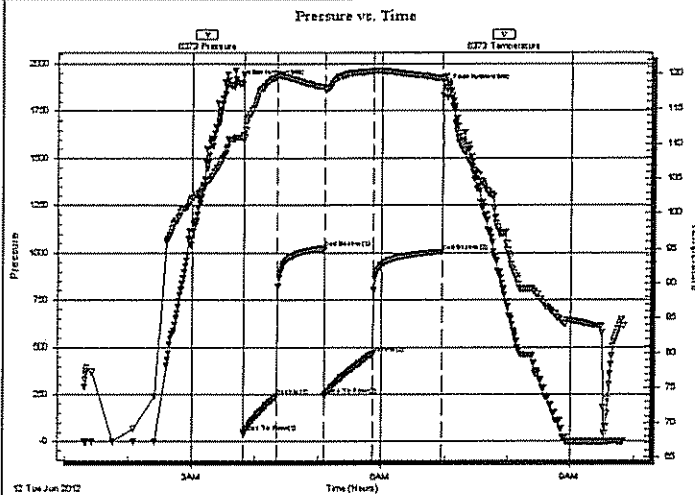
19 14 31
Thies Ranch # 4-19
Job Ticket: 46531 DST#: 2
Test Start: 2012.06.12 @ 01:18:05

GENERAL INFORMATION:

Formation: Iansing H & I
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 03:48:45
Time Test Ended: 09:49:29
Test Type: Conventional Bottom Hole (Reset)
Tester: Cole Archibald
Unit No: 60
Interval: 3940.00 ft (KB) To 4010.00 ft (KB) (TVD)
Reference Elevations: 2755.00 ft (KB)
Total Depth: 4010.00 ft (KB) (TVD) 2751.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 4.00 ft

Serial #: 8373 Inside
Press@RunDepth: 468.25 psig @ 3941.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.06.12 End Date: 2012.06.12 Last Calib.: 2012.06.12
Start Time: 01:18:05 End Time: 09:49:29 Time On Blmt: 2012.06.12 @ 03:43:15
Time Off Blmt: 2012.06.12 @ 06:59:44

TEST COMMENT: b.o.b 12 min
no return
b.o.b 10 min
no return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1899.76	110.96	Initial Hydro-static
6	46.71	110.52	Open To Flow (1)
38	242.76	119.57	Shut-In(1)
82	1026.43	118.12	End Shut-In(1)
83	245.70	117.79	Open To Flow (2)
129	468.25	120.33	Shut-In(2)
194	1007.70	119.31	End Shut-In(2)
197	1874.54	119.59	Final Hydro-static

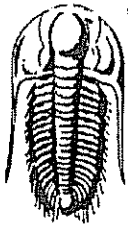
Recovery

Length (ft)	Description	Volume (bbl)
360.00	rw 40 m 60 w	5.05
480.00	rw 90 w 10 m	6.73
0.00	rw .231 @ 70°=30000	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
301 S Market St
Wichita KS 67202+3805

ATTN: Wes Hansen

19 14 31
Thies Ranch # 4-19
Job Ticket: 46531 DST#: 2
Test Start: 2012.06.12 @ 01:18:05

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:	30000 ppm
Viscosity: 42.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

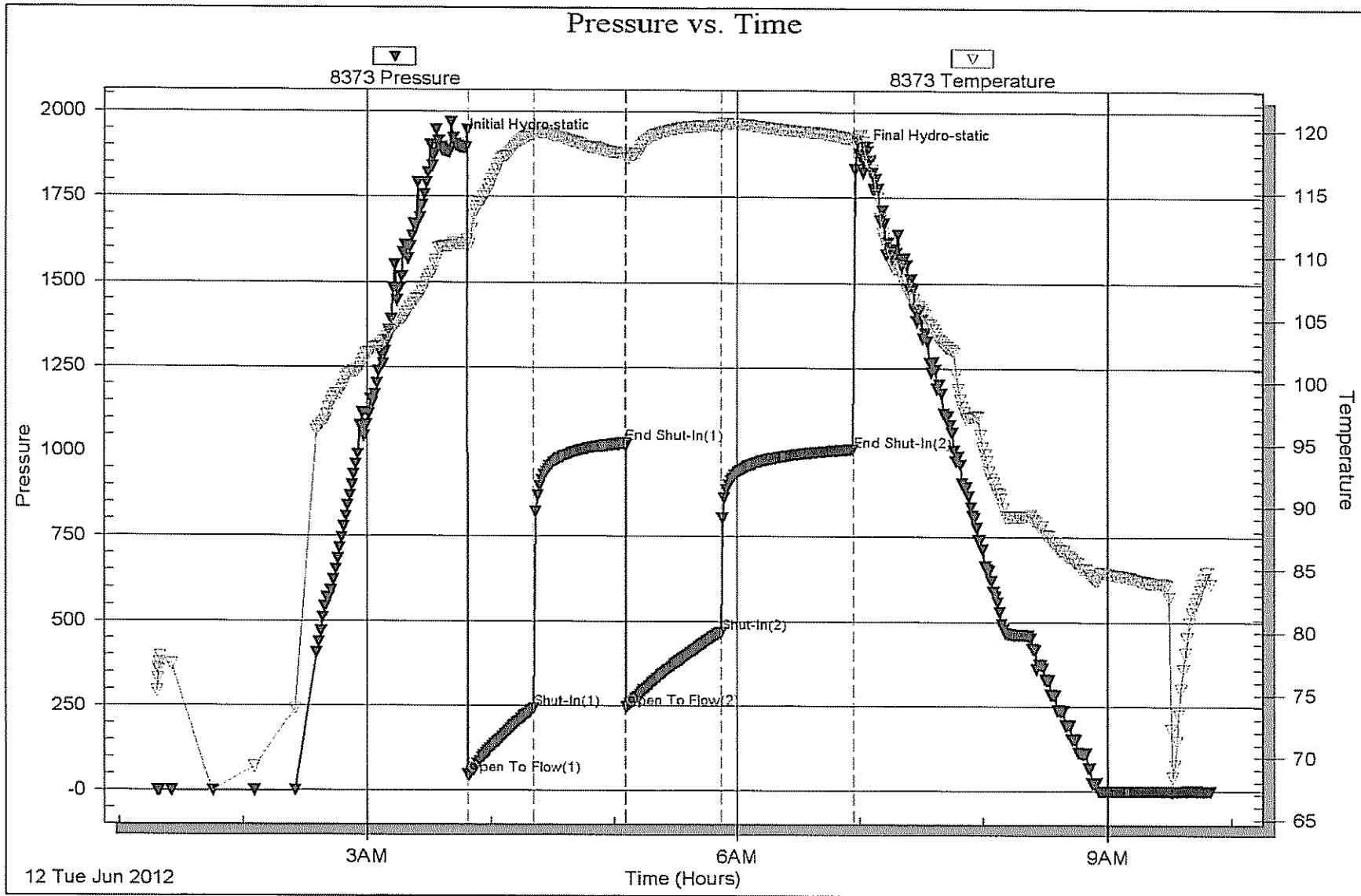
Length ft	Description	Volume bbl
360.00	mw 40 m 60 w	5.050
480.00	mw 90 w 10 m	6.733
0.00	nw .231@ 70*=30000	0.000

Total Length: 840.00 ft Total Volume: 11.783 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Co
 301 S Market St
 Wichita KS 67202+3805
 ATTN: Wes Hansen

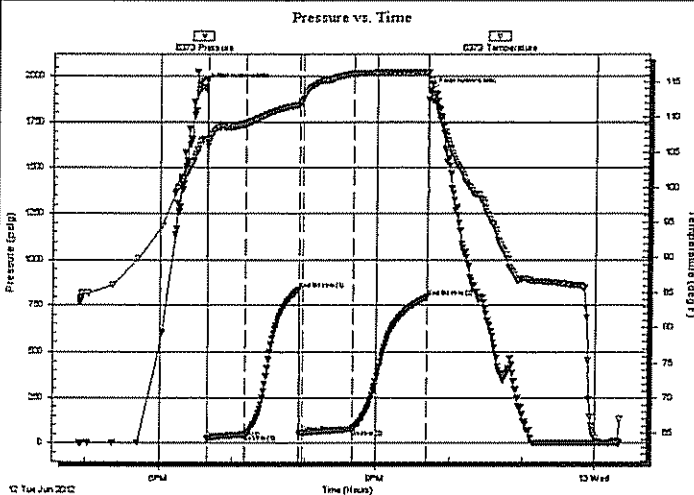
19 14 31
Thies Ranch # 4-19
 Job Ticket: 46532 DST#: 3
 Test Start: 2012.06.12 @ 16:55:05

GENERAL INFORMATION:

Formation: **Lansing J**
 Deviated: **No Whipstock** 0.00 ft (KB)
 Test Type: **Conventional Bottom Hole (Reset)**
 Time Tool Opened: 18:39:15
 Tester: **Cole Archibald**
 Time Test Ended: 00:19:29
 Unit No: **60**
 Interval: **4009.00 ft (KB) To 4030.00 ft (KB) (TVD)**
 Reference Elevations: **2755.00 ft (KB)**
 Total Depth: **4030.00 ft (KB) (TVD)**
2751.00 ft (CF)
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 KB to GR/CF: **4.00 ft**

Serial #: 8373 **Inside**
 Press@RunDepth: **75.75 psig @ 4010.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2012.06.12** End Date: **2012.06.13** Last Calib.: **2012.06.13**
 Start Time: **16:55:05** End Time: **00:19:29** Time On Btm: **2012.06.12 @ 18:35:15**
 Time Off Btm: **2012.06.12 @ 21:43:29**

TEST COMMENT: B.O.B 30 min
 No return
 B.O.B 30 min
 No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1944.95	106.92	Initial Hydro-static
4	24.39	105.83	Open To Flow (1)
35	46.34	109.05	Shut-In(1)
80	836.23	111.71	End Shut-In(1)
83	54.86	112.34	Open To Flow (2)
125	75.75	116.16	Shut-In(2)
187	796.73	116.31	End Shut-In(2)
189	1918.93	115.08	Final Hydro-static

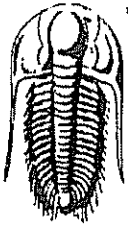
Recovery

Length (ft)	Description	Volume (bbl)
60.00	mo 60% m 40% o	0.84
60.00	om 70o 30m	0.84
30.00	o 100%	0.42

* 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
301 S Market St
Wichita KS 67202+3805
ATTN: Wes Hansen

19 14 31
Thies Ranch # 4-19
Job Ticket: 46532 DST#: 3
Test Start: 2012.06.12 @ 16:55:05

Mud and Cushion Information

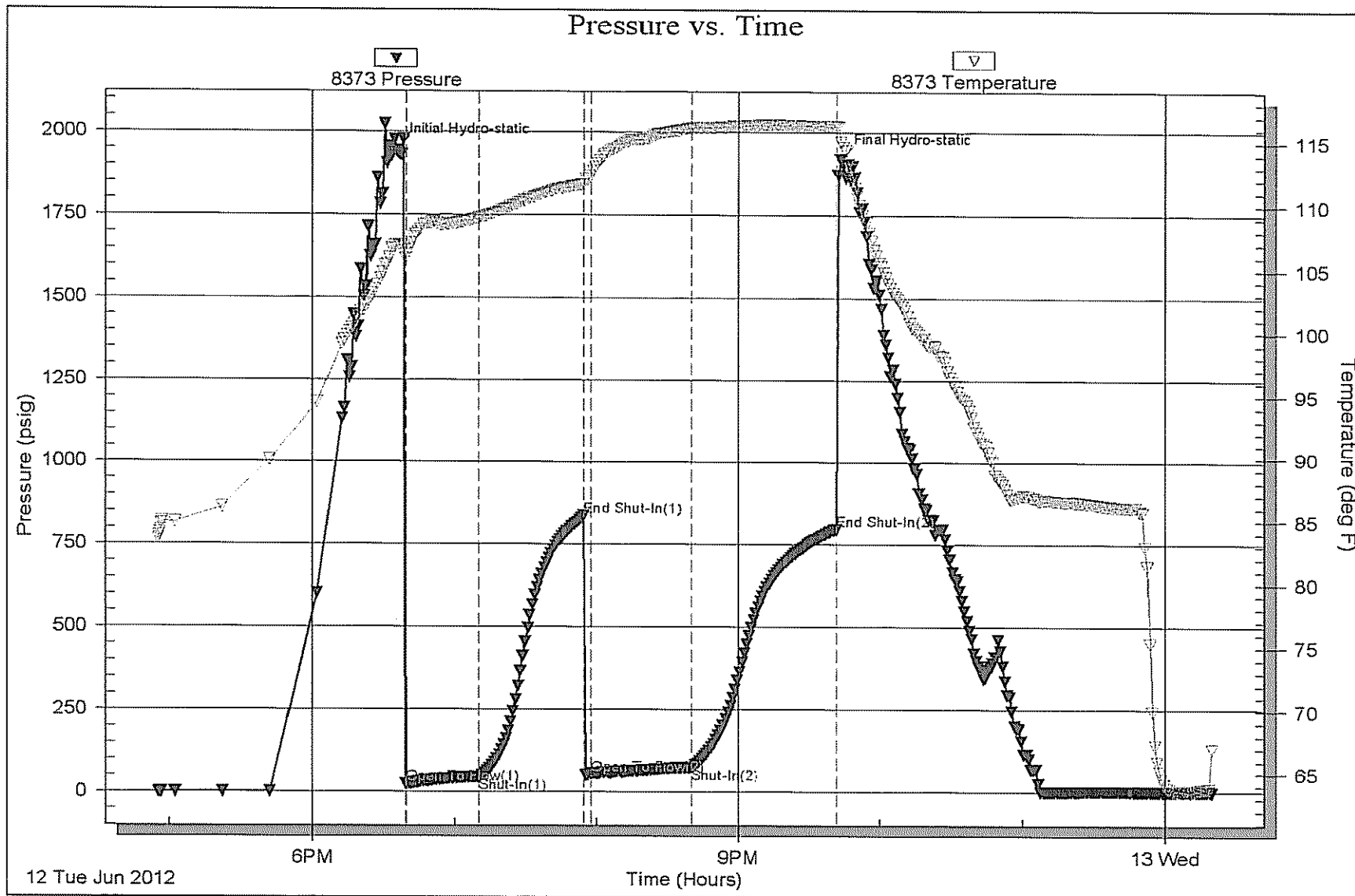
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

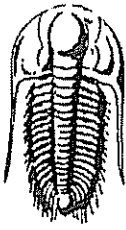
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	mo 60% m 40% o	0.842
60.00	om 70 o 30 m	0.842
30.00	o 100%	0.421

Total Length: 150.00 ft Total Volume: 2.105 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: gravity to high to read





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario oil and gas co
301 s markett st
Wichita ks
67202+3805
ATTN: Wess Hanson

19 14 31
Thies Ranch # 4-19
Job Ticket: 47978 DST#: 4
Test Start: 2012.06.13 @ 11:34:04

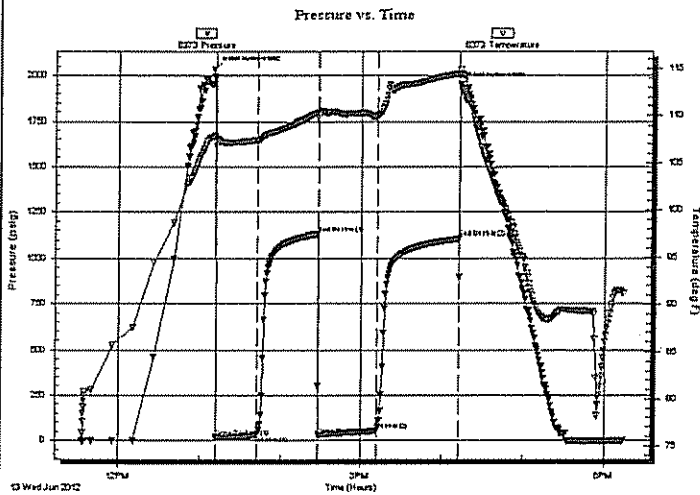
GENERAL INFORMATION:

Formation: **Lansing K & L**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 13:12:04
Time Test Ended: 18:14:04
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 60
Interval: 4032.00 ft (KB) To 4090.00 ft (KB) (TVD)
Reference Elevations: 2755.00 ft (KB)
Total Depth: 4090.00 ft (KB) (TVD)
2745.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair
KB to GR/CF: 10.00 ft

Serial #: 8373

Press@RunDepth: 54.94 psig @ 4033.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.06.13 End Date: 2012.06.13 Last Calib.: 2012.06.13
Start Time: 11:34:09 End Time: 18:14:03 Time On Blmt: 2012.06.13 @ 13:10:34
Time Off Blmt: 2012.06.13 @ 16:13:49

TEST COMMENT: IF: 1/4 blow BOB in 12 min.
IS: No return.
FF: BOB in 16 min.
FS: Surface blow died in 30 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2033.49	107.92	Initial Hydro-static
2	19.55	106.81	Open To Flow (1)
32	29.19	107.44	Shut-In(1)
78	1131.86	110.31	End Shut-In(1)
78	29.82	110.07	Open To Flow (2)
122	54.94	109.95	Shut-In(2)
183	1107.11	114.48	End Shut-In(2)
184	1944.74	114.93	Final Hydro-static

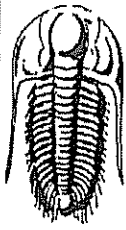
Recovery

Length (ft)	Description	Volume (bbl)
31.00	mcgo 10%g 40%o 50%m	0.43
76.00	go 10%g 90%o	1.07
0.00	248 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 and gas co

19 14 31

301 s markett st
Wichita ks
67202+3805

Thies Ranch # 4-19

Job Ticket: 47978

DST#: 4

ATTN: Wess Hanson

Test Start: 2012.06.13 @ 11:34:04

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.98 in*

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
31.00	mcgo 10%g 40%o 50%m	0.435
76.00	go 10%g 90%o	1.066
0.00	248 GIP	0.000

Total Length: 107.00 ft

Total Volume: 1.501 bbf

Num Fluid Samples: 0

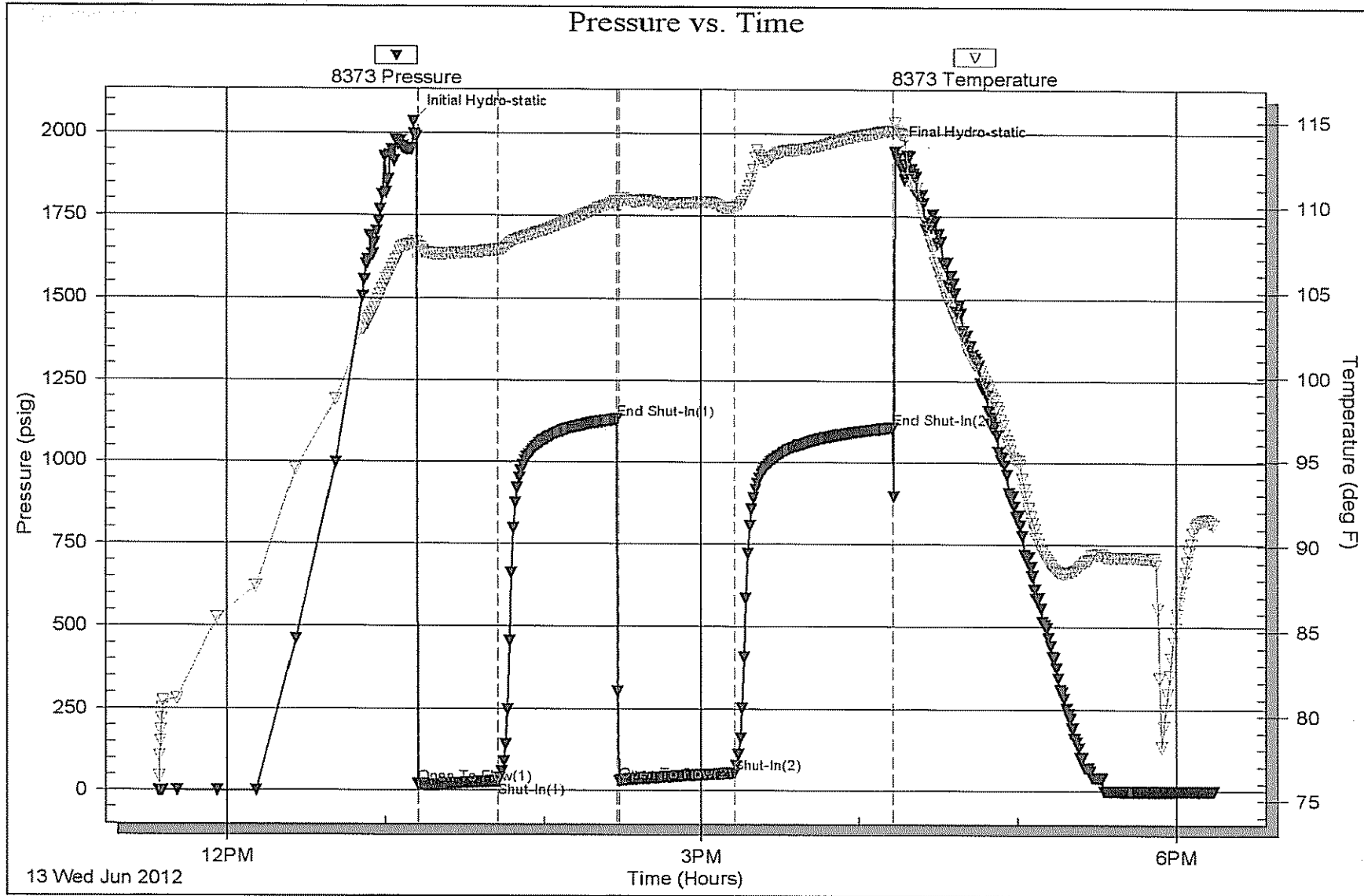
Num Gas Bombs: 0

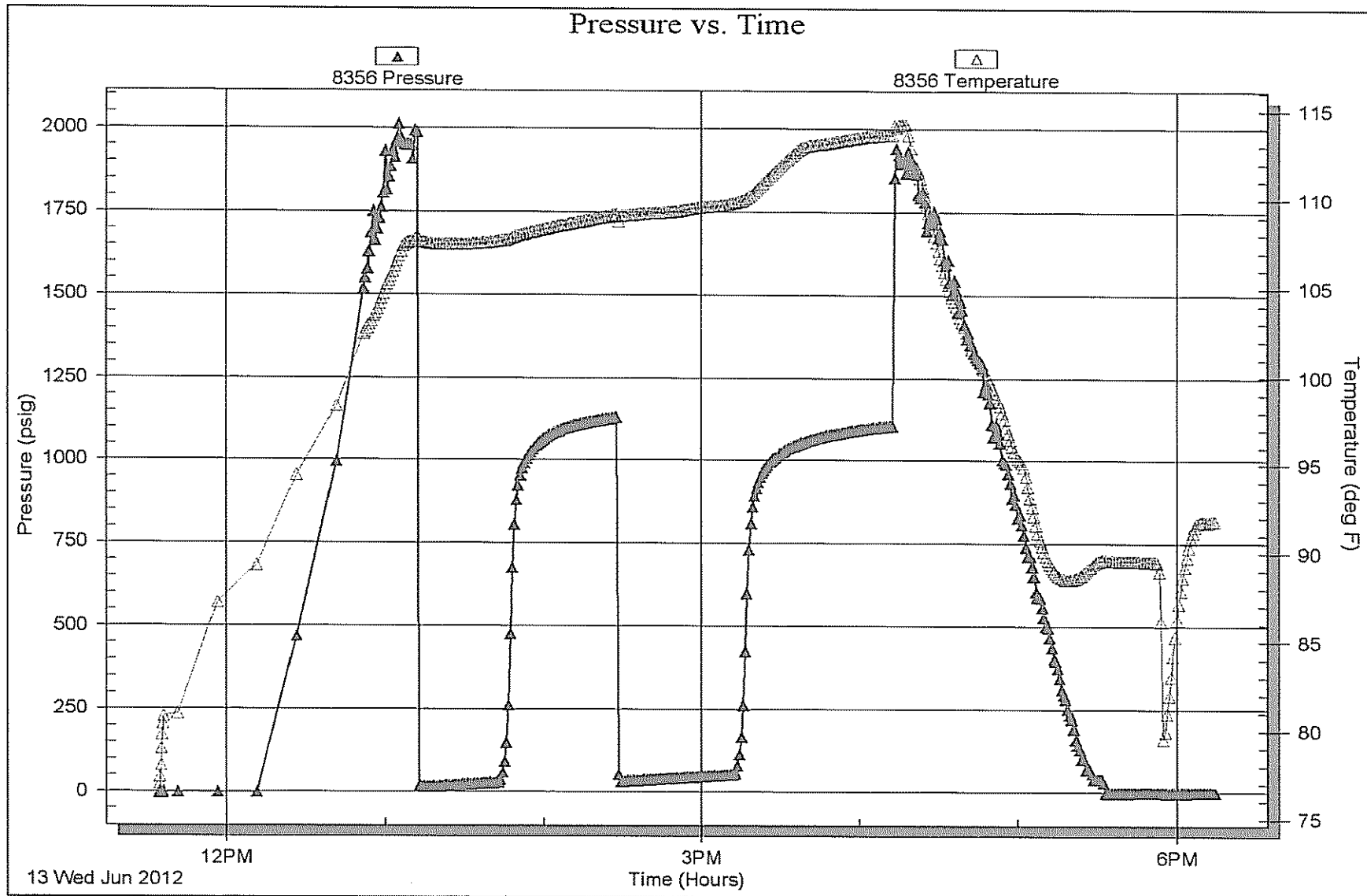
Serial #:

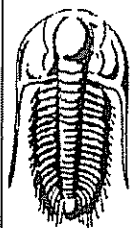
Laboratory Name:

Laboratory Location:

Recovery Comments: 39@40=36







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario oil and gas co
301 s markett st
Wichita ks
67202+3805
ATTN: Wess Hanson

19 14 31
Thies Ranch # 4-19
Job Ticket: 47979 DST#: 5
Test Start: 2012.06.14 @ 12:36:38

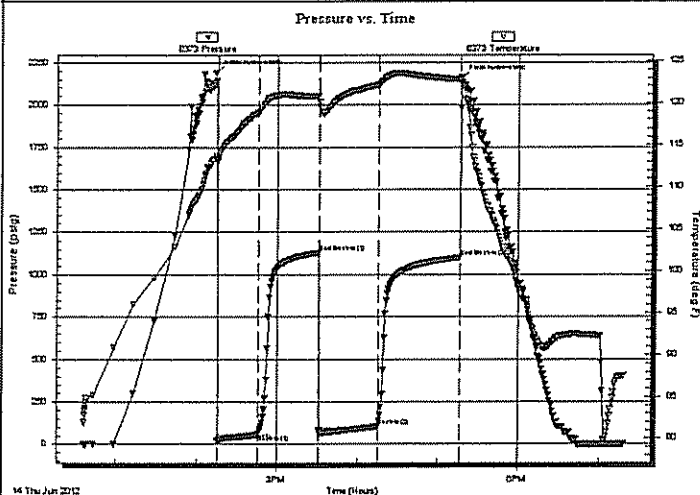
GENERAL INFORMATION:

Formation: Ft. Scott
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 14:15:38
Time Test Ended: 19:18:23
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 60
Interval: 4256.00 ft (KB) To 4290.00 ft (KB) (TVD)
Reference Elevations: 2755.00 ft (KB)
Total Depth: 4290.00 ft (KB) (TVD) 2745.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 8373

Press@RunDepth: 102.95 psig @ 4257.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.06.14 End Date: 2012.06.14 Last Calib.: 2012.06.14
Start Time: 12:36:43 End Time: 19:18:22 Time On Blmt: 2012.06.14 @ 14:14:08
Time Off Blmt: 2012.06.14 @ 17:17:23

TEST COMMENT: IF: BOB in 6 min.
IS: Surface blow built to 6.
FF: BOB in 2 min.
FS: Surface blow built to 7.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2188.57	113.45	Initial Hydro-static
2	20.36	113.01	Open To Flow (1)
32	56.06	118.79	Shut-In(1)
77	1132.58	120.77	End Shut-In(1)
78	62.10	119.51	Open To Flow (2)
122	102.95	122.16	Shut-In(2)
183	1102.30	122.79	End Shut-In(2)
184	2151.28	122.97	Final Hydro-static

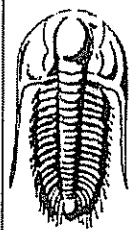
Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcgo 30%g 60%o 10%m	1.74
112.00	mcgo 20%g 60%o 20%m	1.57
0.00	2120 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 and gas co

19 14 31

301 s markett st
Wichita ks
67202+3805

Thies Ranch # 4-19

Job Ticket: 47979

DST#: 5

ATTN: Wess Hanson

Test Start: 2012.06.14 @ 12:36:38

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: 51.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.79 in²

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
124.00	mcgo 30%g 60%o 10%m	1.739
112.00	mcgo 20%g 60%o 20%m	1.571
0.00	2120 GIP	0.000

Total Length: 236.00 ft

Total Volume: 3.310 bbf

Num Fluid Samples: 0

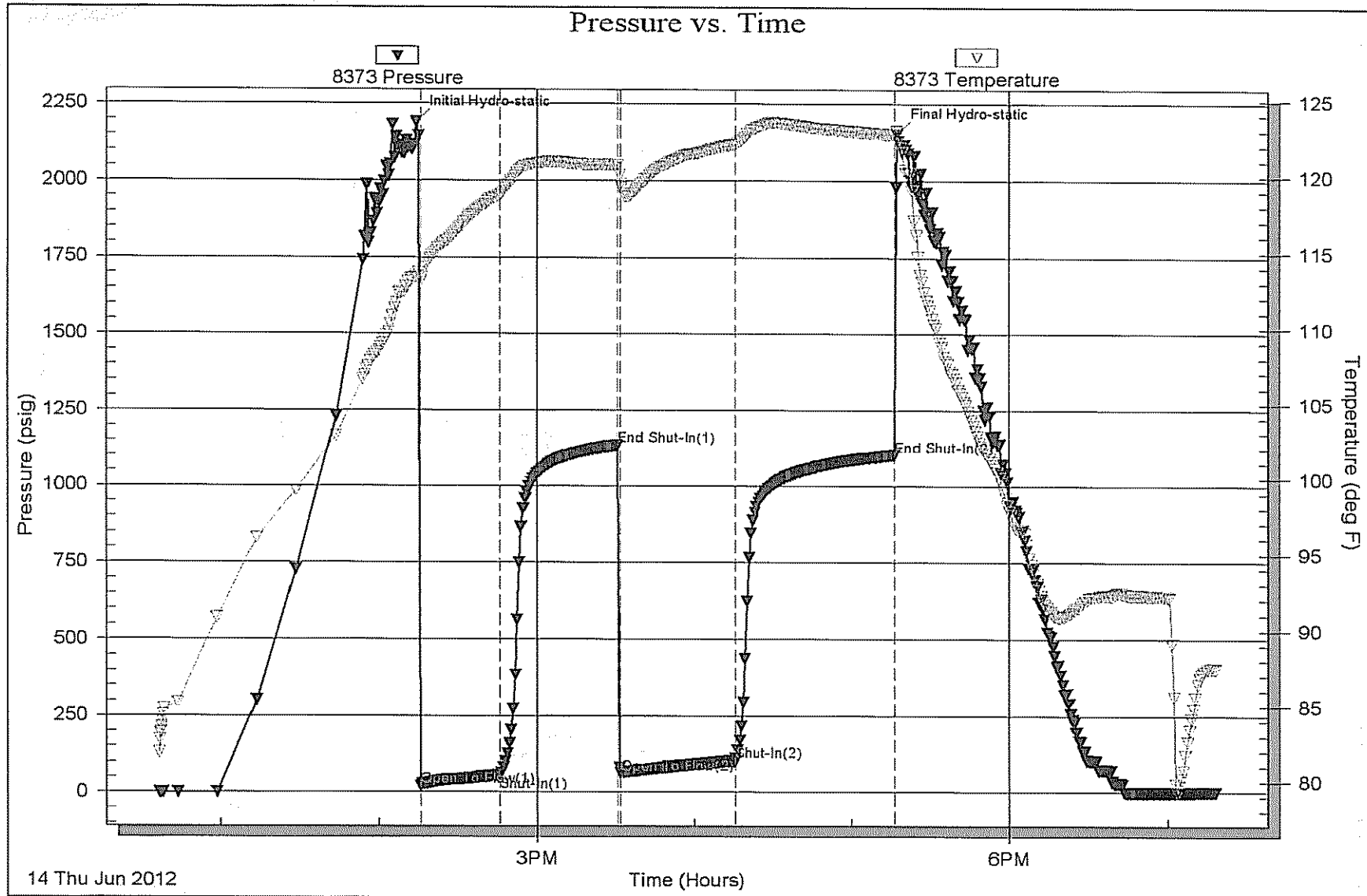
Num Gas Bombs: 0

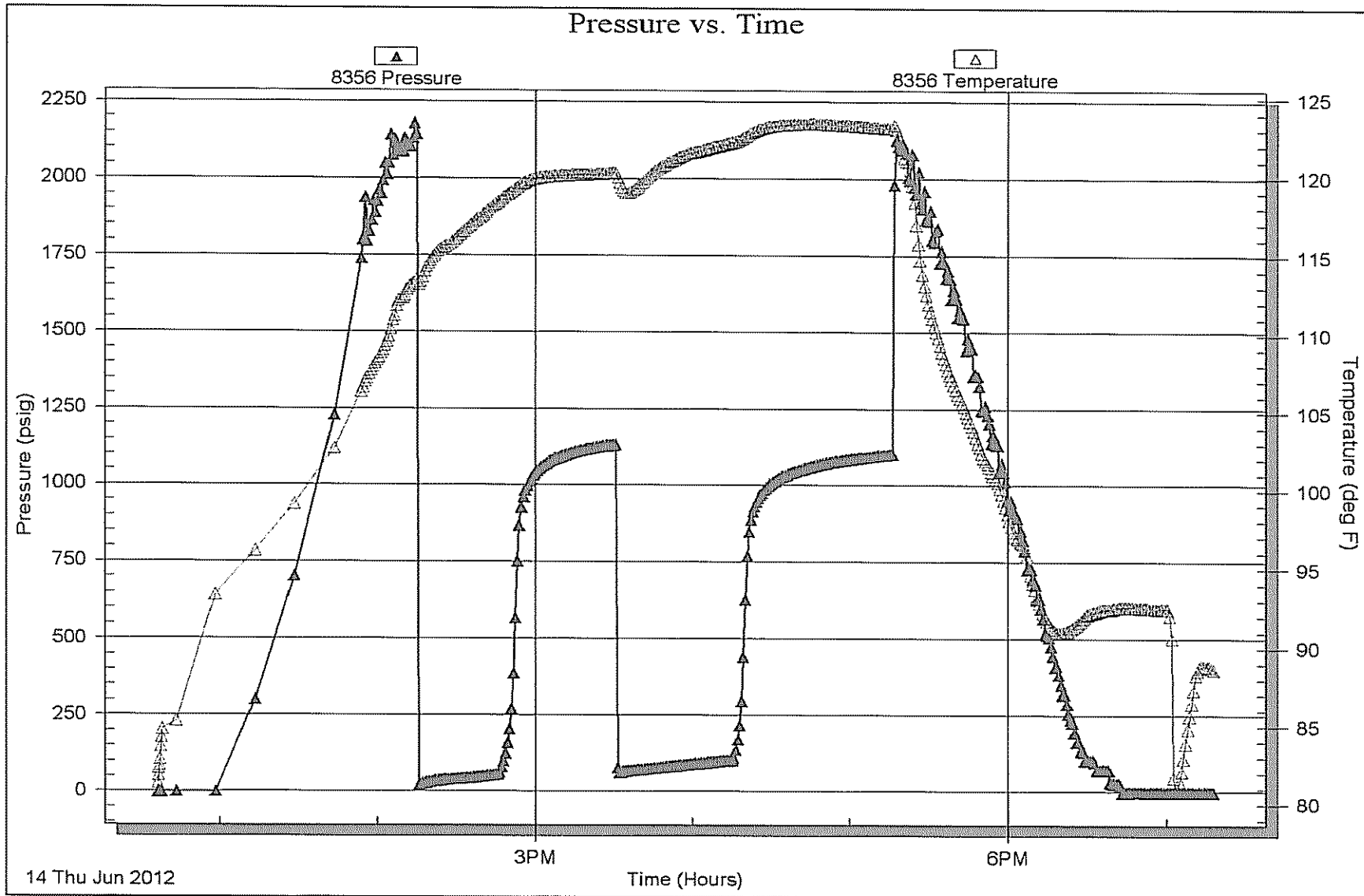
Serial #:

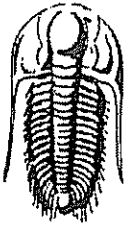
Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario oil and gas co

19-14s-31w Gove, Ks

301 s market st
Wichita ks
67202+3805
ATTN: Wess Hanson

Thies Ranch # 4-19

Job Ticket: 47980 DST#: 6

Test Start: 2012.06.15 @ 09:03:40

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 11:02:25

Time Test Ended: 16:47:55

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: 4346.00 ft (KB) To 4386.00 ft (KB) (TVD)

Total Depth: 4386.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2755.00 ft (KB)

2745.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8373

Press@RunDepth: 210.10 psig @ 4347.00 ft (KB)

Start Date: 2012.06.15

End Date:

2012.06.15

Start Time: 09:03:45

End Time:

16:47:54

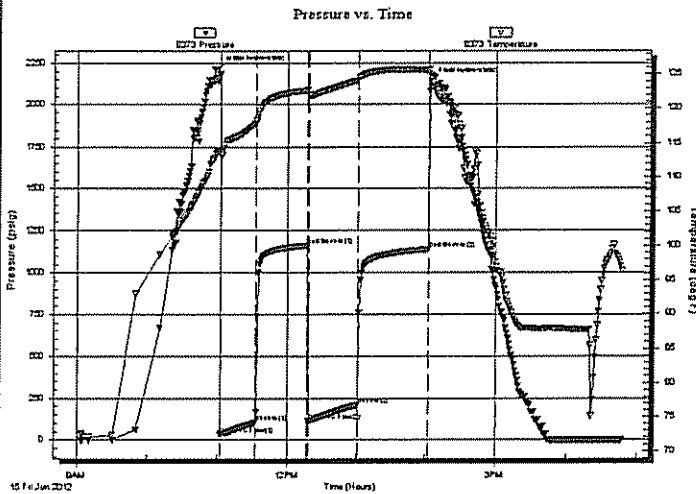
Capacity: 8000.00 psig

Last Calib.: 2012.06.15

Time On Blmt: 2012.06.15 @ 11:00:55

Time Off Blmt: 2012.06.15 @ 14:04:10

TEST COMMENT: IF: BOB in 4 min.
IS: BOB in 18 min.
FF: BOB in 5 min.
FS: BOB in 15 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2216.09	113.70	Initial Hydro-static
2	31.28	113.18	Open To Flow (1)
32	104.33	117.94	Shut-In(1)
77	1163.74	122.59	End Shut-In(1)
78	111.70	122.05	Open To Flow (2)
121	210.10	124.12	Shut-In(2)
182	1139.16	125.53	End Shut-In(2)
184	2140.49	125.05	Final Hydro-static

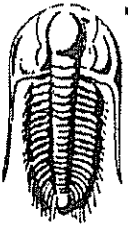
Recovery

Length (ft)	Description	Volume (bbl)
124.00	ocw m 30%o 10%w 60%m	1.74
62.00	mcgo 40%g 50%o 10%m	0.87
341.00	go 20% 80%o	4.78
0.00	1829 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario oil and gas co
301 s markt st
Wichita ks
67202+3805
ATTN: Wess Hanson

19-14s-31w Gove, Ks
Thies Ranch # 4-19
Job Ticket: 47980 DST#: 6
Test Start: 2012.06.15 @ 09:03:40

GENERAL INFORMATION:

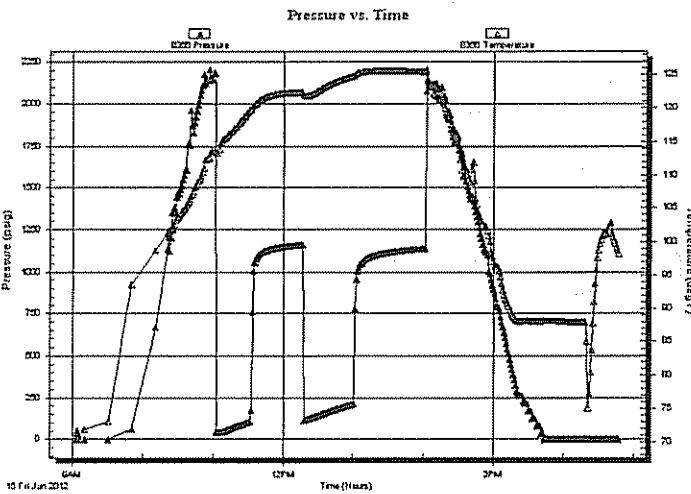
Formation: **Johnson**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 11:02:25
Time Test Ended: 16:47:55
Interval: 4346.00 ft (KB) To 4386.00 ft (KB) (TVD)
Total Depth: 4386.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches-Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 60
Reference Elevations: 2755.00 ft (KB)
2745.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8356

Press@RunDepth: psig @ 4347.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.06.15 End Date: 2012.06.15 Last Calib.: 2012.06.15
Start Time: 09:03:17 End Time: 16:47:26 Time On Blm:
Time Off Blm:

TEST COMMENT: IF: BOB in 4 min.
IS: BOB in 18 min.
FF: BOB in 5 min.
FS: BOB in 15 min.



PRESSURE SUMMARY

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

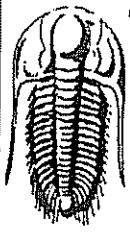
Recovery

Length (ft)	Description	Volume (bbl)
124.00	ocw m 30%o 10%w 60%m	1.74
62.00	mcgo 40%g 50%o 10%m	0.87
341.00	go 20% 80%o	4.78
0.00	1829 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario oil and gas co

19-14s-31w Gove, Ks

301 s markett st

Thies Ranch # 4-19

Wichita ks

Job Ticket: 47980

DST#: 6

67202+3805

ATTN: Wess Hanson

Test Start: 2012.06.15 @ 09:03:40

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:

0 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
124.00	ocw m 30%o 10%w 60%m	1.739
62.00	mcgo 40%g 50%o 10%m	0.870
341.00	go 20% 80%o	4.783
0.00	1829 GIP	0.000

Total Length: 527.00 ft

Total Volume: 7.392 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 32@100=28

