



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1090710
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: _____

1090710

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	Credo Petroleum Corporation
Well Name	Laurenti 1-22
Doc ID	1090710

All Electric Logs Run

Cement Bond Log
Micro Log
Borehole Compensated Log
Neutron Density Log
Induction Log

Form	ACO1 - Well Completion
Operator	Credo Petroleum Corporation
Well Name	Laurenti 1-22
Doc ID	1090710

Tops

Name	Top	Datum
Anyhydrite	2206	608
Topeka	3698	-884
Heebner	3938	-1124
Lansing	3976	-1162
Base KC	4319	-1505
Ft Scott	4460	-1646
Johnson	4552	-1738
Mississippian	4588	-1774

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

Sam Brownback, Governor

August 15, 2012

Jack Renfro
Credo Petroleum Corporation
1801 BROADWAY # 900
DENVER, CO 80202-3858

Re: ACO1
API 15-101-22378-00-00
Laurenti 1-22
NW/4 Sec.22-17S-29W
Lane 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,
Jack Renfro

Scanned
8-15-12

ALLIED OIL & GAS SERVICES, LLC 056288

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Oakley

DATE <u>6-21-12</u>	SEC. <u>22</u>	TWP. <u>17</u>	RANGE <u>29</u>	CALLED OUT	ON LOCATION	JOB START <u>6-22-12</u>	JOB FINISH
<u>Laurenti</u>	WELL # <u>1-22</u>	LOCATION <u>Healy SE 2 1/2 S 1/4 E</u>	COUNTY <u>Lane</u>	STATE <u>KS</u>			
LEASE	LOCATION		COUNTY		STATE		
OLD OR NEW (Circle one)	<u>5 into</u>						

CONTRACTOR <u>Murfin 22</u>	OWNER <u>same</u>
TYPE OF JOB <u>Production (2 stage)</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>4725'</u>
CASING SIZE <u>5 1/2</u>	DEPTH <u>4724.59'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL <u>OV</u>	DEPTH <u>2443.53'</u>
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>20.5'</u>
CEMENT LEFT IN CSG. <u>20.5'</u>	
PERFS.	
DISPLACEMENT	

EQUIPMENT

PUMP TRUCK # <u>431</u>	CEMENTER <u>Andrew Forstner</u>
BULK TRUCK # <u>396</u>	HELPER <u>Dane Kutzoff</u>
BULK TRUCK # <u>404</u>	DRIVER <u>Ethan Glassman</u>
	DRIVER <u>Darrin Ravelle</u>

CEMENT

AMOUNT ORDERED	<u>120 sks Asc 10lbs/ft 20 gal</u>
	<u>375 sks Lite 5th Gilsonite 1/4 Flo-seal</u>
	<u>500 gal WFR-2</u>
COMMON	@
POZMIX	@
GEL <u>3 sks</u>	@ <u>21.25 63.75</u>
CHLORIDE	@
ASC <u>120 sks</u>	@ <u>19.00 2280.00</u>
	@
Lite <u>375 sks</u>	@ <u>14.50 5437.50</u>
SALT <u>16 sks</u>	@ <u>23.95 383.20</u>
	@
Gilsonite <u>1825#</u>	@ <u>89 1668.25</u>
	@
Flo-seal <u>182#</u>	@ <u>2.20 501.90</u>
WFR-2 <u>500 gal</u>	@ <u>1.27 635.00</u>
HANDLING <u>662.322 cu/ft</u>	@ <u>2.10 1401.49</u>
MILEAGE <u>2.35 107/mile 27.425 ton</u>	@ <u>357.14</u>
TOTAL <u>16825.23</u>	

REMARKS:
 Pump WFR-2, mix asc, wash pump and line clean, displace plug with water and mud, 700# LIFT pressure, 1200# land plug, float held open OV tool, 1200# dug mouse hole 20 sks Rat hole 30 sks mix 325 sks Lite down 5/2, wash pump and line clean, displace plug TO OV, 700# LIFT land plug 1400#, tool closed, cement did circulate.
 thank you

SERVICE

DEPTH OF JOB <u>4724.59</u>	
PUMP TRUCK CHARGE	<u>2405.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>55 miles</u>	@ <u>7.00 385.00</u>
MANIFOLD head	@ <u>200.00</u>
Light vehicle	@ <u>4.00 220.00</u>
	@
TOTAL <u>3210.00</u>	

CHARGE TO: Credo Petroleum corp
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>5/2</u>	
1 AP4 float shoe	@ <u>349.00</u>
1 R latch down plug Assy	@ <u>272.00</u>
3 Baskets	@ <u>337.00 1011.00</u>
TR 1 OV tool	@ <u>321.00</u>
8 Centralizers	@ <u>49.00 392.00</u>
TOTAL <u>5250.00</u>	

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.

SALES TAX (If Any) _____
 TOTAL CHARGES 25,835.73
 DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME Don Guy
 SIGNATURE Don Guy

ALLIED OIL & GAS SERVICES, LLC 053656

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Great Bend, KS

DATE <i>6-17-12</i>	SEC <i>22</i>	TWP <i>17</i>	RANGE <i>29</i>	CALLED OUT	ON LOCATION	JOB START <i>12:30 PM</i>	JOB FINISH <i>12:30 PM</i>
LAURENTI LEASE	WELL # <i>1-27</i>	LOCATION <i>Dighton, KS 5 north</i>		COUNTY <i>Dodge</i>	STATE <i>KS</i>		
OLD OR NEW (Circle one) <u>NEW</u>		<i>West, south into</i>					

CONTRACTOR *Murfin #22* OWNER *Credo Petroleum*

TYPE OF JOB <i>Surfacer</i>	CEMENT AMOUNT ORDERED <i>115 st Class A</i>
HOLE SIZE <i>12 1/4</i> T.D. <i>269</i>	<i>5% cc 20% gel</i>
CASING SIZE <i>8 5/8</i> DEPTH <i>269</i>	
TUBING SIZE DEPTH	
DRILL PIPE DEPTH	
TOOL DEPTH	

PRES. MAX	MINIMUM	COMMON	<i>175</i>	@ <i>16.25</i>	<i>2,843.75</i>
MEAS. LINE	SHOE JOINT	POZMIX		@	
CEMENT LEFT IN CSG. <i>15 st.</i>		GEL	<i>3</i>	@ <i>21.25</i>	<i>63.75</i>
PERFS.		CHLORIDE	<i>6</i>	@ <i>58.20</i>	<i>349.20</i>
DISPLACEMENT <i>16 in 4 BBL</i>		ASC		@	

EQUIPMENT

PUMP TRUCK # <i>398</i>	CEMENTER <i>Cree & Kerry R</i>
BULK TRUCK # <i>374/1188</i>	DRIVER <i>Joel M</i>
BULK TRUCK #	DRIVER

HANDLING	<i>188.75</i>	@ <i>2.10</i>	<i>396.37</i>
MILEAGE	<i>8.62 x 43 x</i>	@ <i>2.35</i>	<i>871.55</i>
TOTAL			<i>4,524.12</i>

REMARKS:
Pipe on bottom, fresh circ. w/ 1/2 in mesh. Hook up and mix 115 sts Class A 30% cc. 5% gel Displace w/ 16 in 4 BBL. Plug down. Shut in Cement Circulate
Plug down 12:15 PM

SERVICE

DEPTH OF JOB	<i>269</i>		
PUMP TRUCK CHARGE		<i>1125.00</i>	
EXTRA FOOTAGE	@ <i>20'</i>		
MILEAGE	<i>43</i>	@ <i>7.00</i>	<i>301.00</i>
MANIFOLD	@		
	<i>43</i>	@ <i>4.00</i>	<i>172.00</i>
	@		

CHARGE TO *Credo Petroleum*

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL *1598.00*

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

TOTAL _____

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 ** Don Guy*

SIGNATURE ** Don Guy*
Thank You!

SALES TAX (If Any) _____

TOTAL CHARGES *6,122.12*

DISCOUNT *25%* *1,530.53*

IF PAID IN 30 DAYS
4,591.59



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Credo Petroleum Corp
 1801 Broadway Ste 900
 Denver CO 80202
 ATTN: Charlie Sturdavant

22 17s 29w Lane
Laruenti # 1-22
 Job Ticket: 46926 **DST#: 1**
 Test Start: 2012.06.16 @ 17:42:00

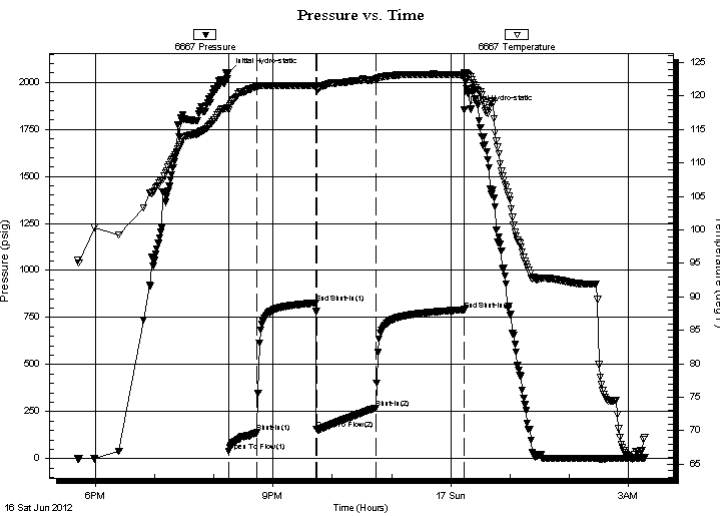
GENERAL INFORMATION:

Formation: **LKC " H - K "**
 Deviated: No Whipstock: 2814.00 ft (KB)
 Time Tool Opened: 20:15:00
 Time Test Ended: 03:17:00
 Interval: **4140.00 ft (KB) To 4285.00 ft (KB) (TVD)**
 Total Depth: 4285.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jim Svaty
 Unit No: 55
 Reference Elevations: 2814.00 ft (KB)
 2804.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6667

Press @ Run Depth: 268.77 psig @ ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.06.16 End Date: 2012.06.17 Last Calib.: 2012.06.17
 Start Time: 17:42:15 End Time: 03:17:15 Time On Btm: 2012.06.16 @ 20:14:45
 Time Off Btm: 2012.06.17 @ 00:14:00

TEST COMMENT: 30-IFP- BOB in 9min
 60-ISIP- Surface Blow Building to 1 3/4in. in 20min Died in 26min
 60-FFP- BOB in 9 1/2min
 90-FSIP- Surface Blow Building to 4in. in 16min Died in 20min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2052.30	118.23	Initial Hydro-static
1	37.40	117.88	Open To Flow (1)
30	138.87	121.38	Shut-In(1)
89	827.56	121.61	End Shut-In(1)
90	155.69	121.27	Open To Flow (2)
150	268.77	122.48	Shut-In(2)
239	791.58	123.15	End Shut-In(2)
240	1852.61	123.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
117.00	MCGO 10%m 15%g 75%o	0.58
310.00	MCGO 10%m 35%g 55%o	4.35
228.00	GO 15%g 85%o	3.20
0.00	372 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Credo Petroleum Corp

22 17s 29w Lane

1801 Broadway Ste 900
Denver CO 80202

Laruenti # 1-22

Job Ticket: 46926

DST#: 1

ATTN: Charlie Sturdavant

Test Start: 2012.06.16 @ 17:42:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.16 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
117.00	MCGO 10% _m 15% _g 75% _o	0.575
310.00	MCGO 10% _m 35% _g 55% _o	4.348
228.00	GO 15% _g 85% _o	3.198
0.00	372 GIP	0.000

Total Length: 655.00 ft

Total Volume: 8.121 bbl

Num Fluid Samples: 0

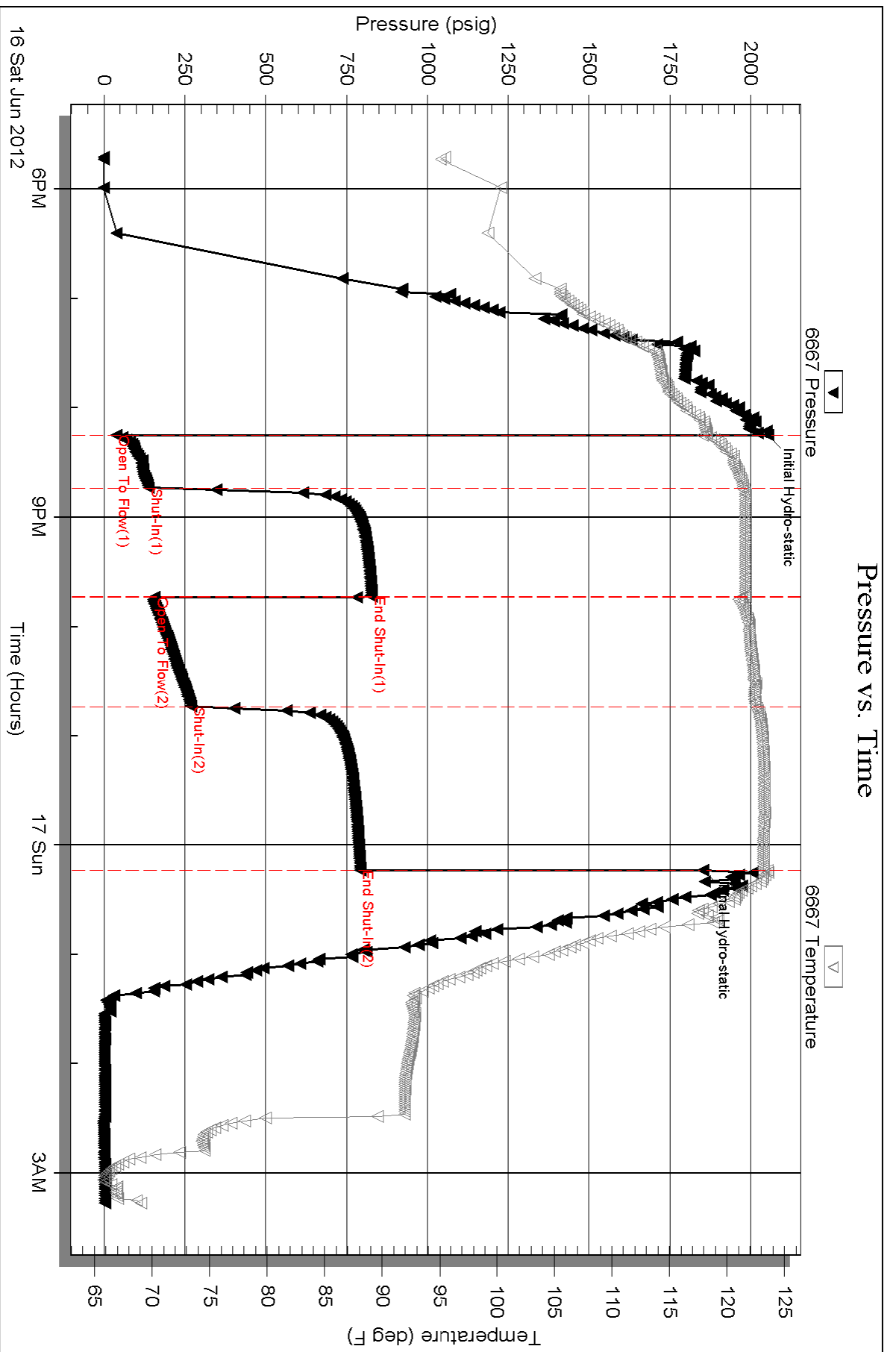
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



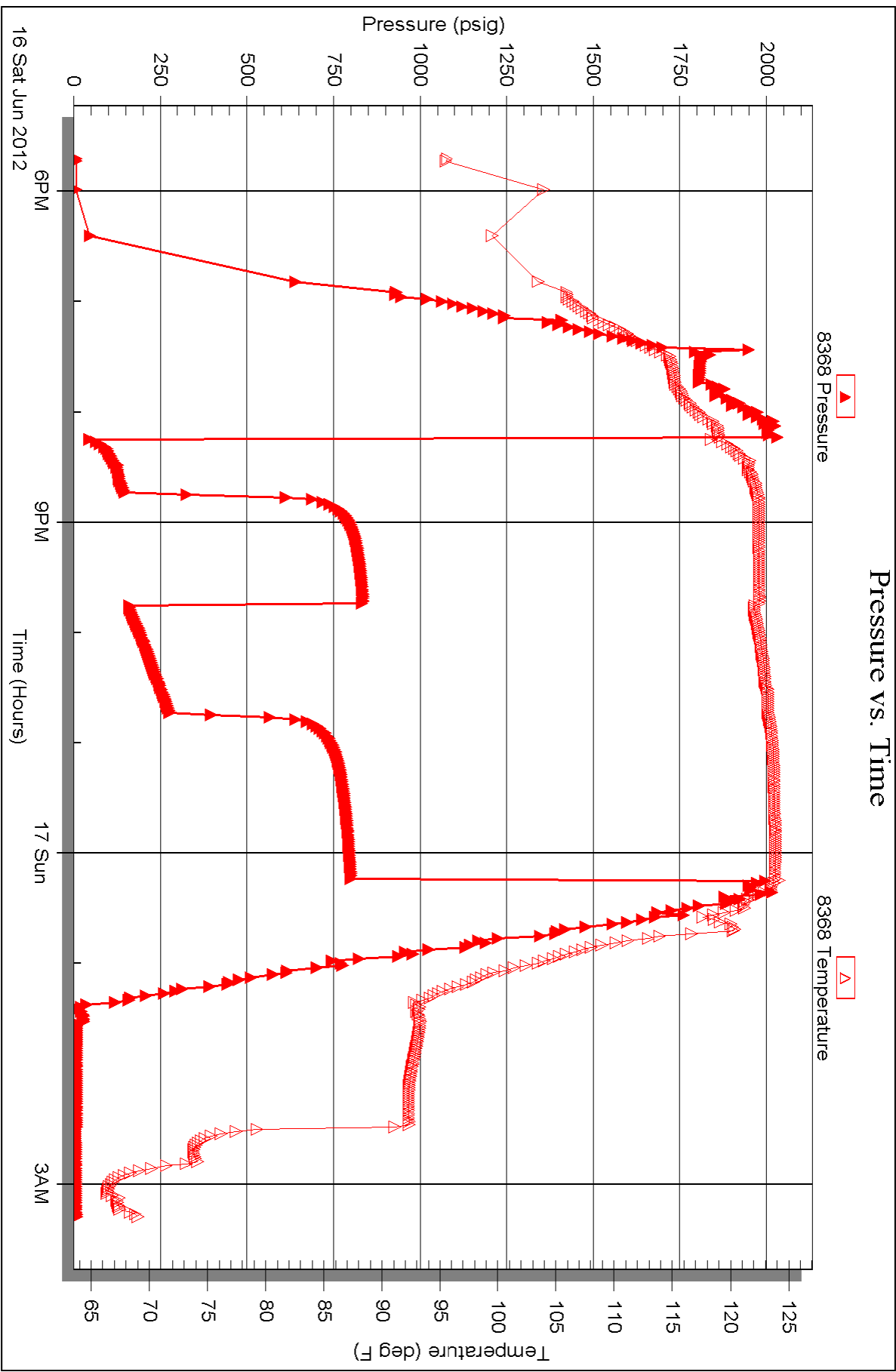
Serial #: 8368

Inside

Crede Petroleum Corp

Laruenti # 1-22

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Credo Petroleum Corp

22 17s 29w Lane

1801 Broadway Ste 900
Denver CO 80202

Laruenti # 1-22

ATTN: Charlie Sturdavant

Job Ticket: 46927

DST#: 2

Test Start: 2012.06.17 @ 16:37:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: 2814.00 ft (KB)

Time Tool Opened: 18:51:00

Time Test Ended: 00:13:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 55

Interval: 4282.00 ft (KB) To 4390.00 ft (KB) (TVD)

Reference Elevations: 2814.00 ft (KB)

Total Depth: 4390.00 ft (KB) (TVD)

2804.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6667

Press @ Run Depth: 54.47 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.17

End Date:

2012.06.18

Last Calib.:

2012.06.18

Start Time: 16:37:15

End Time:

00:12:45

Time On Btm:

2012.06.17 @ 18:50:45

Time Off Btm:

2012.06.17 @ 21:51:15

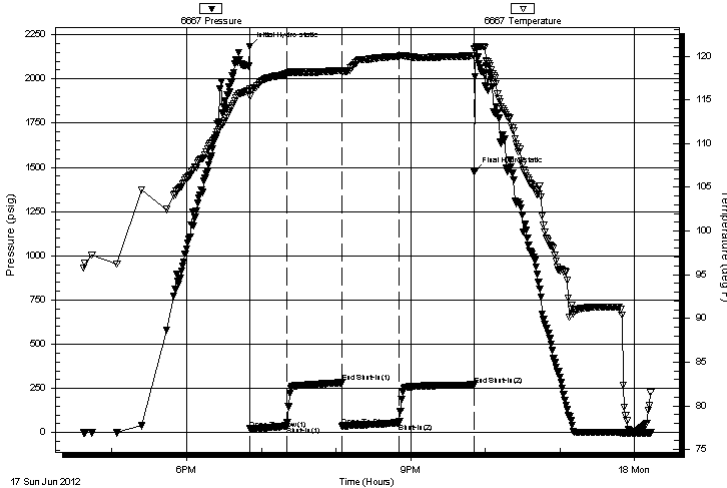
TEST COMMENT: 30-IFP- Surface Blow

45-ISIP- No Blow

45-FFP- No Bloe

60-FSIP- No Blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2183.82	116.29	Initial Hydro-static
1	20.68	115.44	Open To Flow (1)
30	35.26	117.97	Shut-In(1)
74	282.63	118.38	End Shut-In(1)
75	35.84	118.18	Open To Flow (2)
120	54.47	119.98	Shut-In(2)
181	270.02	120.05	End Shut-In(2)
181	1475.08	120.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	OSM 100%	0.32

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Credo Petroleum Corp
1801 Broadway Ste 900
Denver CO 80202
ATTN: Charlie Sturdavant

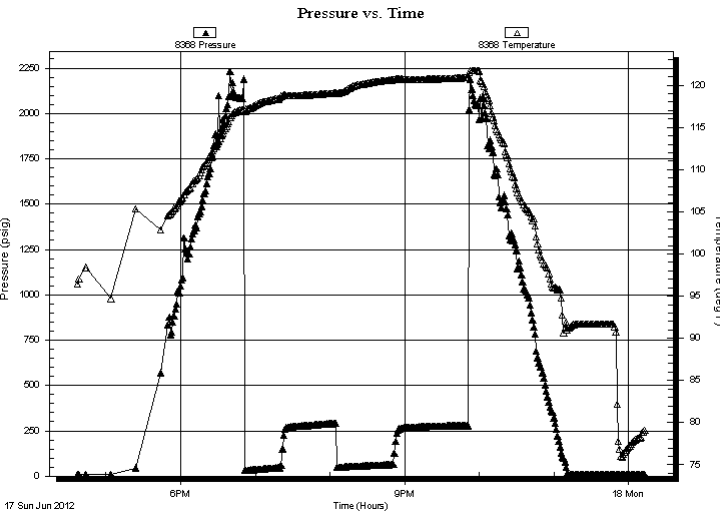
22 17s 29w Lane
Laruenti # 1-22
Job Ticket: 46927 **DST#: 2**
Test Start: 2012.06.17 @ 16:37:00

GENERAL INFORMATION:

Formation: Marmaton	
Deviated: No Whipstock: 2814.00 ft (KB)	Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 18:51:00	Tester: Jim Svaty
Time Test Ended: 00:13:45	Unit No: 55
Interval: 4282.00 ft (KB) To 4390.00 ft (KB) (TVD)	Reference Elevations: 2814.00 ft (KB)
Total Depth: 4390.00 ft (KB) (TVD)	2804.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Fair
	KB to GR/CF: 10.00 ft

Serial #: 8368	Inside		
Press @ Run Depth: psig @	4283.00 ft (KB)	Capacity:	8000.00 psig
Start Date: 2012.06.17	End Date: 2012.06.18	Last Calib.:	2012.06.18
Start Time: 16:37:15	End Time: 00:12:45	Time On Btm:	
		Time Off Btm:	

TEST COMMENT: 30-IFP- Surface Blow
45-ISIP- No Blow
45-FFP- No Blo
60-FSIP- No Blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
65.00	OSM 100%	0.32

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Credo Petroleum Corp

22 17s 29w Lane

1801 Broadway Ste 900
Denver CO 80202

Laruenti # 1-22

Job Ticket: 46927

DST#: 2

ATTN: Charlie Sturdavant

Test Start: 2012.06.17 @ 16:37:00

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	OSM 100%	0.320

Total Length: 65.00 ft Total Volume: 0.320 bbl

Num Fluid Samples: 0

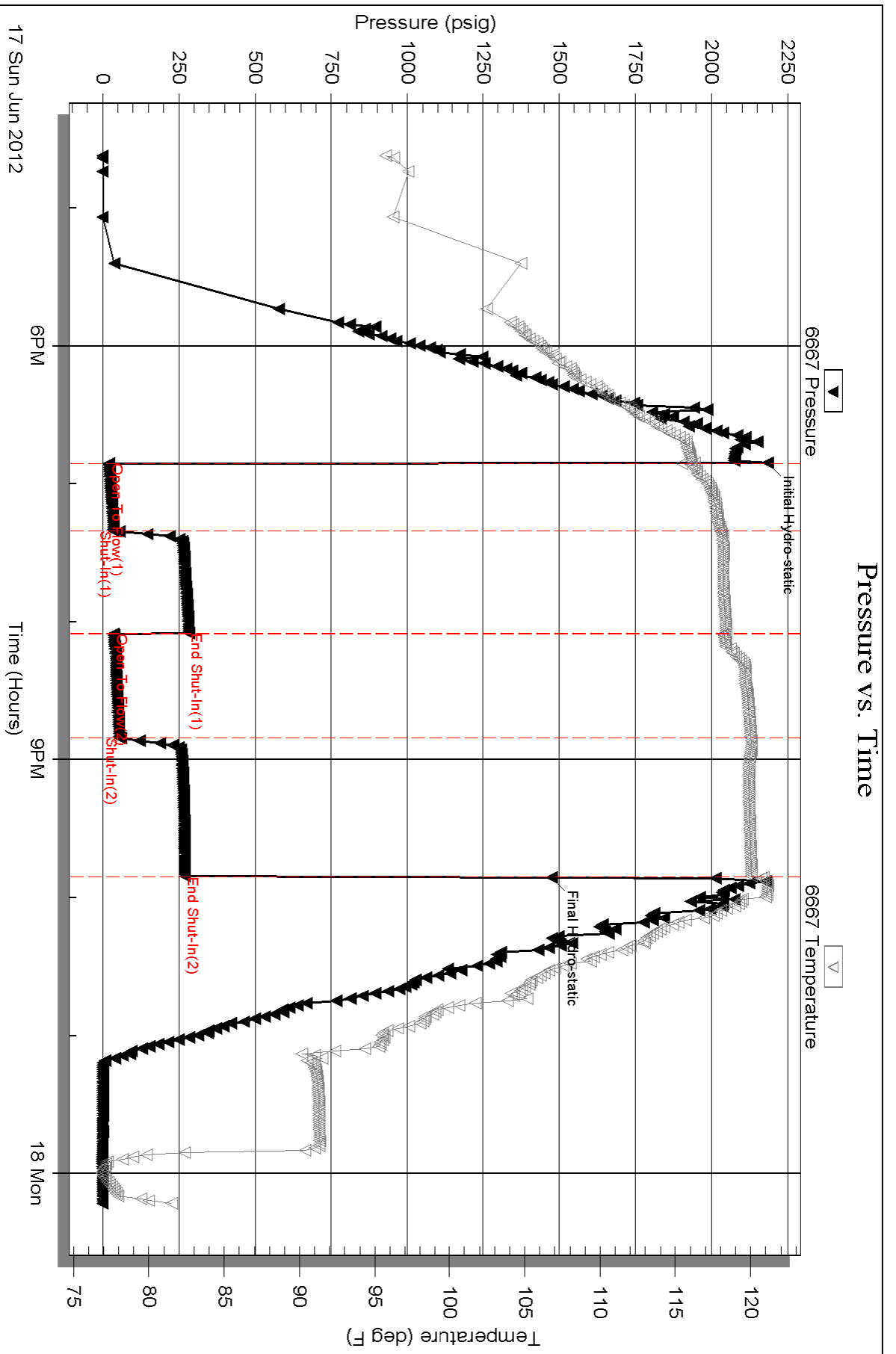
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



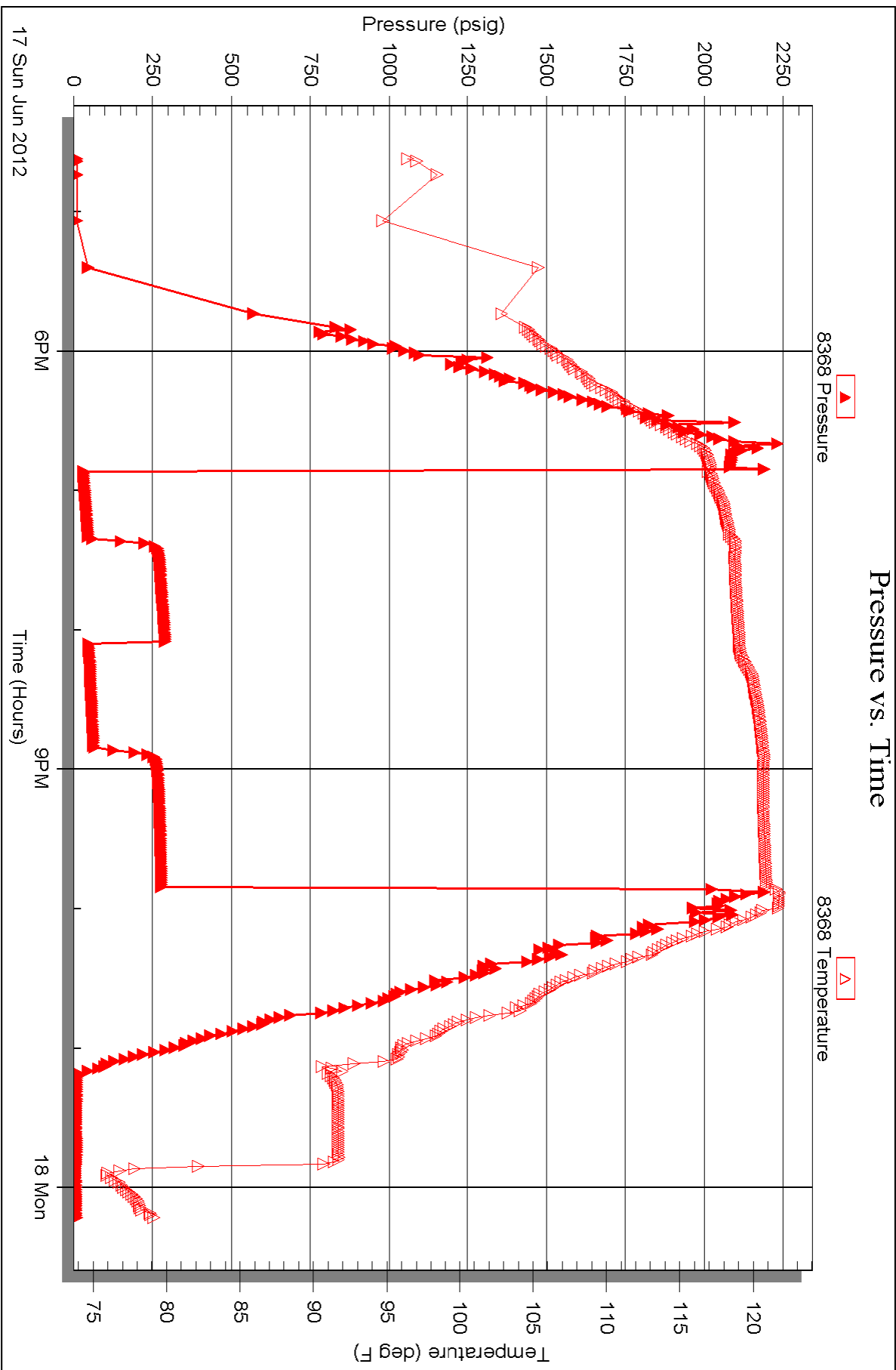
Serial #: 8368

Inside

Crede Petroleum Corp

Laruenti # 1-22

DST Test Number: 2





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Credo Petroleum Corp
1801 Broadway Ste 900
Denver CO 80202
ATTN: Charlie Sturdavant

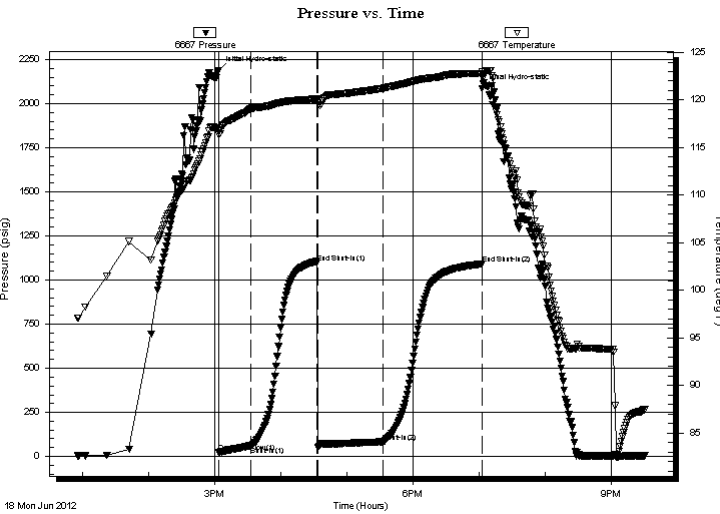
22 17s 29w Lane
Laruenti # 1-22
Job Ticket: 46928 **DST#: 3**
Test Start: 2012.06.18 @ 12:55:00

GENERAL INFORMATION:

Formation: **Pawnee & Fort Scott**
Deviated: No Whipstock: 2814.00 ft (KB)
Time Tool Opened: 15:03:45
Time Test Ended: 21:31:00
Interval: **4390.00 ft (KB) To 4490.00 ft (KB) (TVD)**
Total Depth: 4490.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Jim Svaty
Unit No: 55
Reference Elevations: 2814.00 ft (KB)
2804.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6667 Outside
Press @ Run Depth: 82.39 psig @ 4391.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.06.18 End Date: 2012.06.18 Last Calib.: 2012.06.18
Start Time: 12:55:15 End Time: 21:31:30 Time On Btm: 2012.06.18 @ 15:03:15
Time Off Btm: 2012.06.18 @ 19:03:00

TEST COMMENT: 30-IFP- Surface Blow Building to 3in
60-ISIP- No Blow
60-FFP- 5 1/2in Blow in 3min Building to BOB in 48min
90-FSIP- Surface Blow Died in 5min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2188.73	116.92	Initial Hydro-static
1	22.17	116.35	Open To Flow (1)
30	60.12	119.11	Shut-In(1)
90	1097.47	120.11	End Shut-In(1)
91	53.81	119.74	Open To Flow (2)
150	82.39	121.24	Shut-In(2)
240	1091.13	122.78	End Shut-In(2)
240	2087.07	122.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
117.00	OCM 20%o 80%m	0.58
40.00	OCM 25%o 75%m	0.56
0.00	260' 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

Credo Petroleum Corp

22 17s 29w Lane

1801 Broadway Ste 900
Denver CO 80202

Laruenti # 1-22

Job Ticket: 46928

DST#: 3

ATTN: Charlie Sturdavant

Test Start: 2012.06.18 @ 12:55:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.96 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
117.00	OCM 20%o 80%m	0.575
40.00	OCM 25%o 75%m	0.561
0.00	260' GIP	0.000

Total Length: 157.00 ft Total Volume: 1.136 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

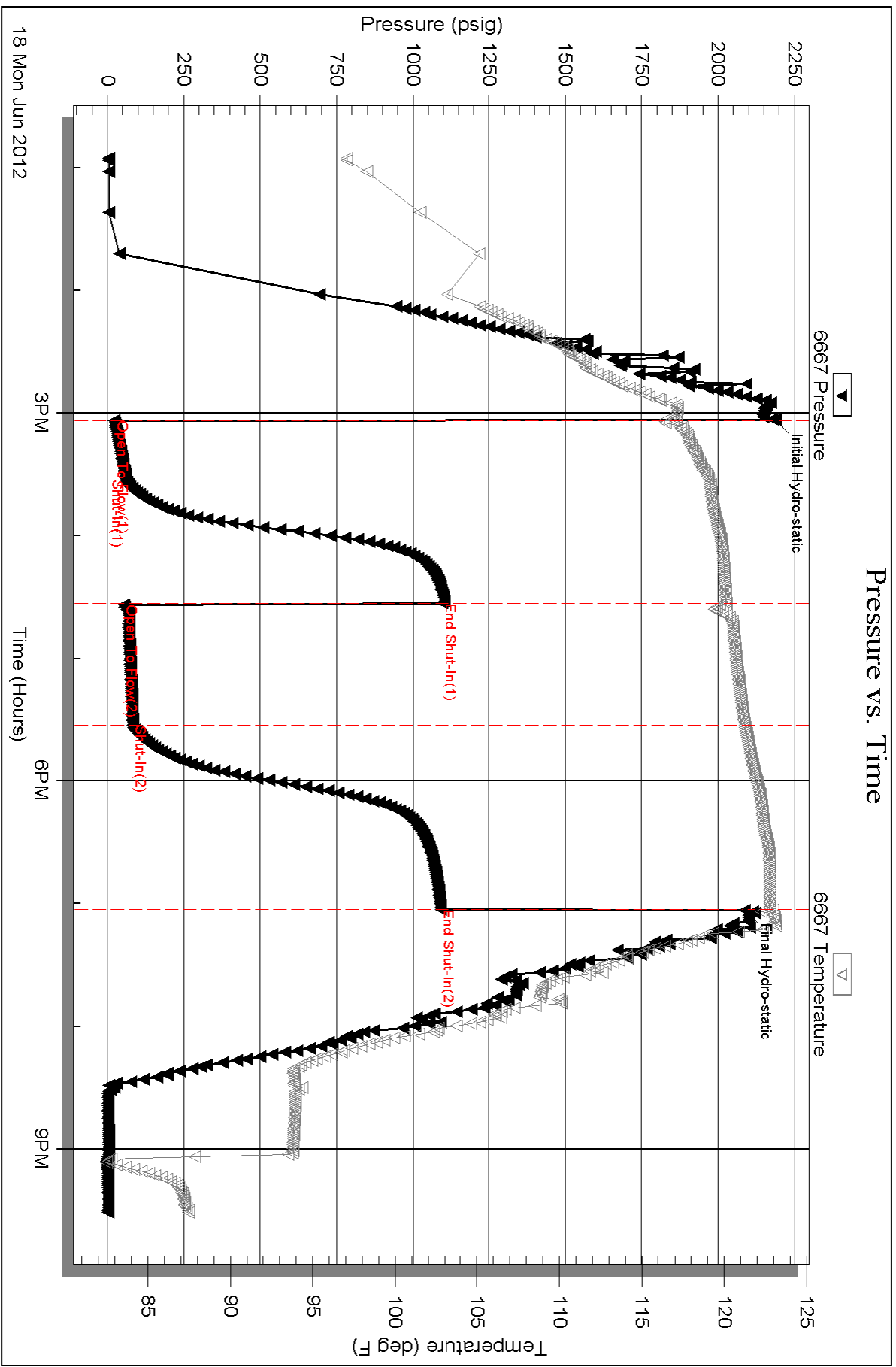
Recovery Comments:

Serial #: 6667

Outside Credo Petroleum Corp

Laruenti # 1-22

DST Test Number: 3





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Credo Petroleum Corp
1801 Broadway Ste 900
Denver CO 80202
ATTN: Charlie Sturdavant

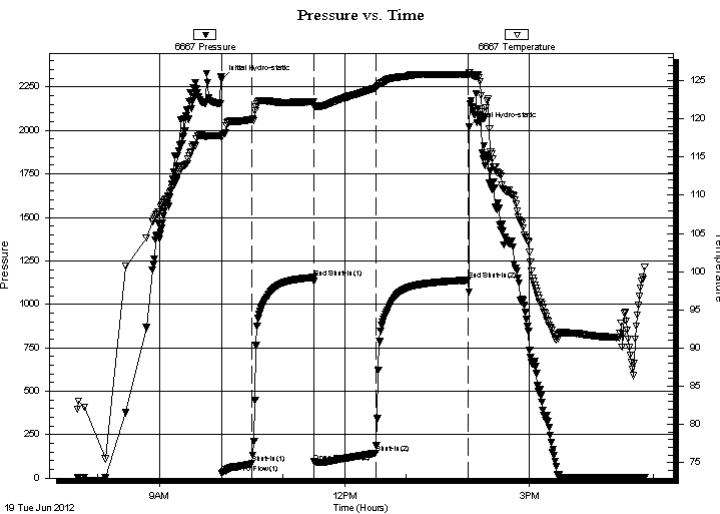
22 17s 29w Lane
Laruenti # 1-22
Job Ticket: 46929 **DST#: 4**
Test Start: 2012.06.19 @ 07:40:00

GENERAL INFORMATION:

Formation: **Cherokee**
Deviated: No Whipstock: 2814.00 ft (KB)
Time Tool Opened: 10:00:30
Time Test Ended: 17:07:00
Interval: **4486.00 ft (KB) To 4550.00 ft (KB) (TVD)**
Total Depth: 4550.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Jim Svaty
Unit No: 55
Reference Elevations: 2814.00 ft (KB)
2804.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6667 Outside
Press @ Run Depth: 143.35 psig @ 4487.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.06.19 End Date: 2012.06.19 Last Calib.: 2012.06.19
Start Time: 07:40:15 End Time: 16:52:15 Time On Btm: 2012.06.19 @ 10:00:15
Time Off Btm: 2012.06.19 @ 14:01:00

TEST COMMENT: 30-IFP- BOB in 16min
60-ISIP- Surface Blow Building to 1in in 3min Died in 9min
60-FFP- BOB in 11min
90-FSIP- Surface Blow Building to 5 1/2in in 23min Died in 29min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2292.77	117.84	Initial Hydro-static
1	26.94	117.52	Open To Flow (1)
30	84.17	119.93	Shut-In(1)
90	1153.84	122.27	End Shut-In(1)
91	93.90	121.68	Open To Flow (2)
150	143.35	124.03	Shut-In(2)
240	1138.98	125.83	End Shut-In(2)
241	2019.68	126.10	Final Hydro-static

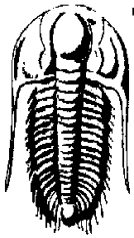
Recovery

Length (ft)	Description	Volume (bbl)
117.00	OCM 30%o 70%m	0.58
124.00	GOCM 10g 40%o 50%m	1.74
62.00	GO 40%g 60%o	0.87
50.00	GO 5%g 95%o	0.70
0.00	816 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Credo Petroleum Corp

22 17s 29w Lane

1801 Broadway Ste 900
Denver CO 80202

Laruenti # 1-22

ATTN: Charlie Sturdavant

Job Ticket: 46929

DST#: 4

Test Start: 2012.06.19 @ 07:40:00

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: 2814.00 ft (KB)

Time Tool Opened: 10:00:30

Time Test Ended: 17:07:00

Interval: 4486.00 ft (KB) To 4550.00 ft (KB) (TVD)

Total Depth: 4550.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 55

Reference Elevations: 2814.00 ft (KB)

2804.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8368 Inside

Press @ Run Depth: psig @ 4487.00 ft (KB)

Start Date: 2012.06.19

End Date: 2012.06.19

Start Time: 07:40:15

End Time: 17:07:15

Capacity: 8000.00 psig

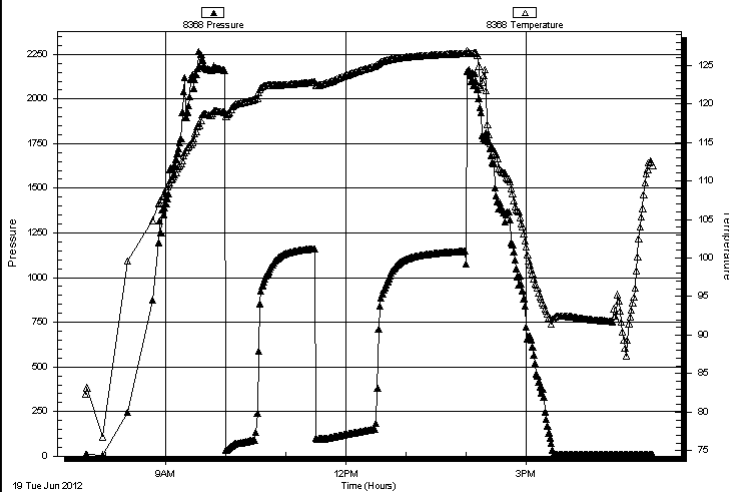
Last Calib.: 2012.06.19

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IFP- BOB in 16min
60-ISIP- Surface Blow Building to 1in in 3min Died in 9min
60-FFP- BOB in 11min
90-FSIP- Surface Blow Building to 5 1/2in in 23min Died in 29min

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
117.00	OCM 30%o 70%m	0.58
124.00	GOCM 10g 40%o 50%m	1.74
62.00	GO 40%g 60%o	0.87
50.00	GO 5%g 95%o	0.70
0.00	816 GIP	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Credo Petroleum Corp

22 17s 29w Lane

1801 Broadway Ste 900
Denver CO 80202

Laruenti # 1-22

Job Ticket: 46929

DST#: 4

ATTN: Charlie Sturdavant

Test Start: 2012.06.19 @ 07:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.57 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
117.00	OCM 30%o 70%m	0.575
124.00	GOCM 10g 40%o 50%m	1.739
62.00	GO 40%g 60%o	0.870
50.00	GO 5%g 95%o	0.701
0.00	816 GIP	0.000

Total Length: 353.00 ft

Total Volume: 3.885 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

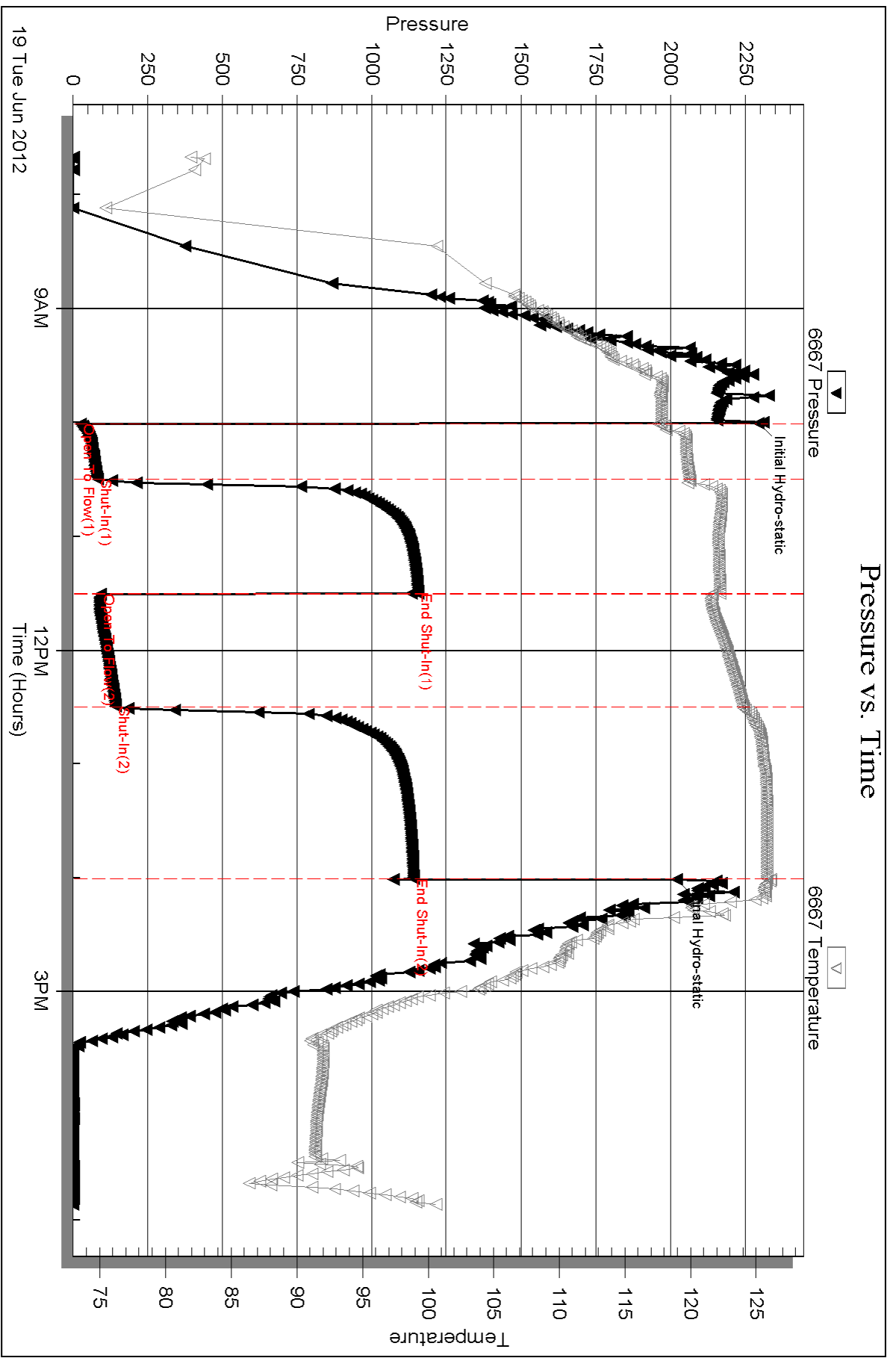
Recovery Comments:

Serial #: 6667

Outside Credo Petroleum Corp

Laruenti # 1-22

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 46929

Printed: 2012.06.19 @ 18:28:41

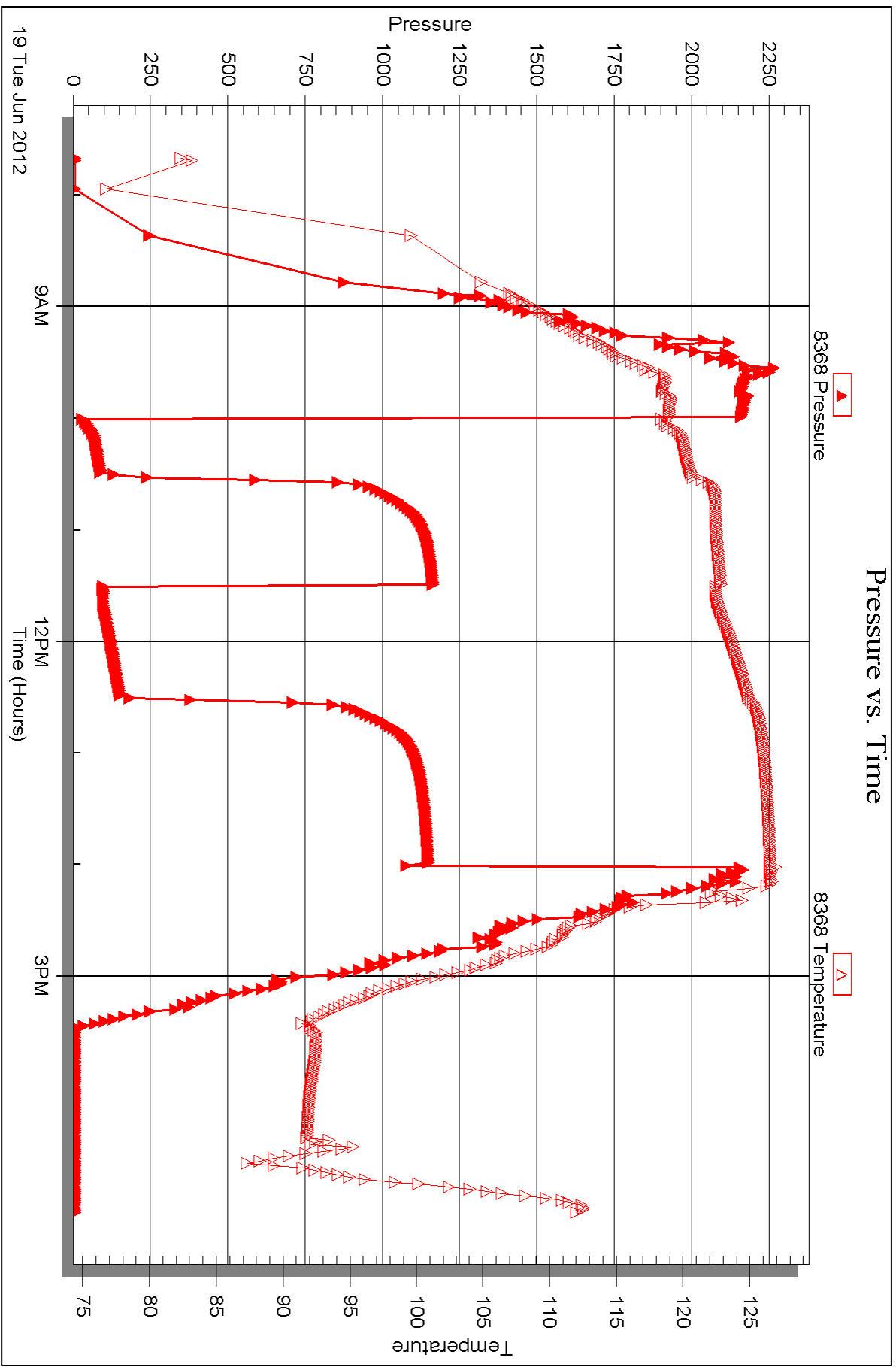
Serial #: 8368

Inside

Crede Petroleum Corp

Laruenti # 1-22

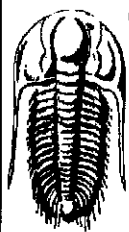
DST Test Number: 4



Triobite Testing, Inc

Ref. No: 46929

Printed: 2012.06.19 @ 18:28:41



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Credo Petroleum Corp

22-17s-29w Lane, KS

1801 Broadway Ste 900
Denver CO 80202

Laurenti #1-22

Job Ticket: 46930

DST#: 5

ATTN: Charlie Sturdavant

Test Start: 2012.06.20 @ 05:42:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: 2814.00 ft (KB)

Time Tool Opened: 07:54:15

Time Test Ended: 14:15:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 55

Interval: 4549.00 ft (KB) To 4605.00 ft (KB) (TVD)

Total Depth: 4605.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2814.00 ft (KB)

2804.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6667 Outside

Press@RunDepth: 73.51 psig @ 4550.00 ft (KB)

Start Date: 2012.06.20

End Date: 2012.06.20

Start Time: 05:42:15

End Time: 14:13:30

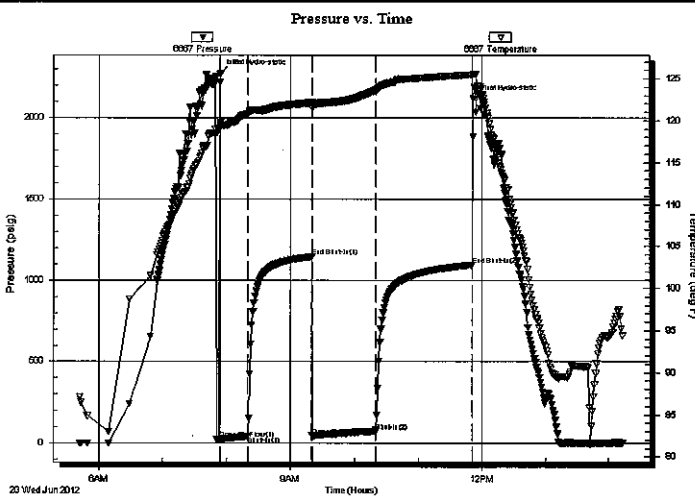
Capacity: 8000.00 psig

Last Calib.: 2012.06.20

Time On Btm: 2012.06.20 @ 07:54:00

Time Off Btm: 2012.06.20 @ 11:52:15

TEST COMMENT: 30-IFP- 1/4" Blow
60-ISIP- No Blow
60-FFP- No Blow for 28 min then Surface Blow for 32 min
90-FSIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2274.25	119.69	Initial Hydro-static
1	26.16	119.26	Open To Flow (1)
26	42.01	120.83	Shut-In(1)
86	1145.38	122.14	End Shut-In(1)
86	45.36	121.49	Open To Flow (2)
146	73.51	123.57	Shut-In(2)
237	1094.21	125.49	End Shut-In(2)
239	2119.77	125.60	Final Hydro-static

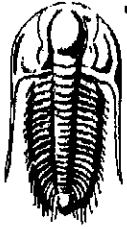
Recovery

Length (ft)	Description	Volume (bbl)
123.00	OSM 100% m	0.66

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Credo Petroleum Corp

22-17s-29w Lane,KS

1801 Broadway Ste 900
Denver CO 80202

Laurenti #1-22

Job Ticket: 46930

DST#: 5

ATTN: Charlie Sturdavant

Test Start: 2012.06.20 @ 05:42:00

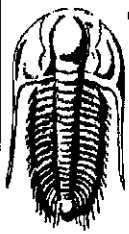
Tool Information

Drill Pipe:	Length: 4422.00 ft	Diameter: 3.80 inches	Volume: 62.03 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 62.61 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4549.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 ft			
Tool Length:	83.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4523.00	
Shut In Tool	5.00			4528.00	
Hydraulic tool	5.00			4533.00	
Jars	5.00			4538.00	
Safety Joint	2.00			4540.00	
Packer	5.00			4545.00	27.00 Bottom Of Top Packer
Packer	4.00			4549.00	
Stubb	1.00			4550.00	
Recorder	0.00	6667	Outside	4550.00	
Recorder	0.00	8368	Inside	4550.00	
Perforations	17.00			4567.00	
Change Over Sub	1.00			4568.00	
Blank Spacing	31.00			4599.00	
Change Over Sub	1.00			4600.00	
Bullnose	5.00			4605.00	56.00 Bottom Packers & Anchor

Total Tool Length: 83.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Credo Petroleum Corp

22-17s-29w Lane, KS

1801 Broadway Ste 900
Denver CO 80202

Laurenti #1-22

Job Ticket: 46930

DST#: 5

ATTN: Charlie Sturdavant

Test Start: 2012.06.20 @ 05:42:00

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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
123.00	OSM 100%m	0.660

Total Length: 123.00 ft Total Volume: 0.660 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

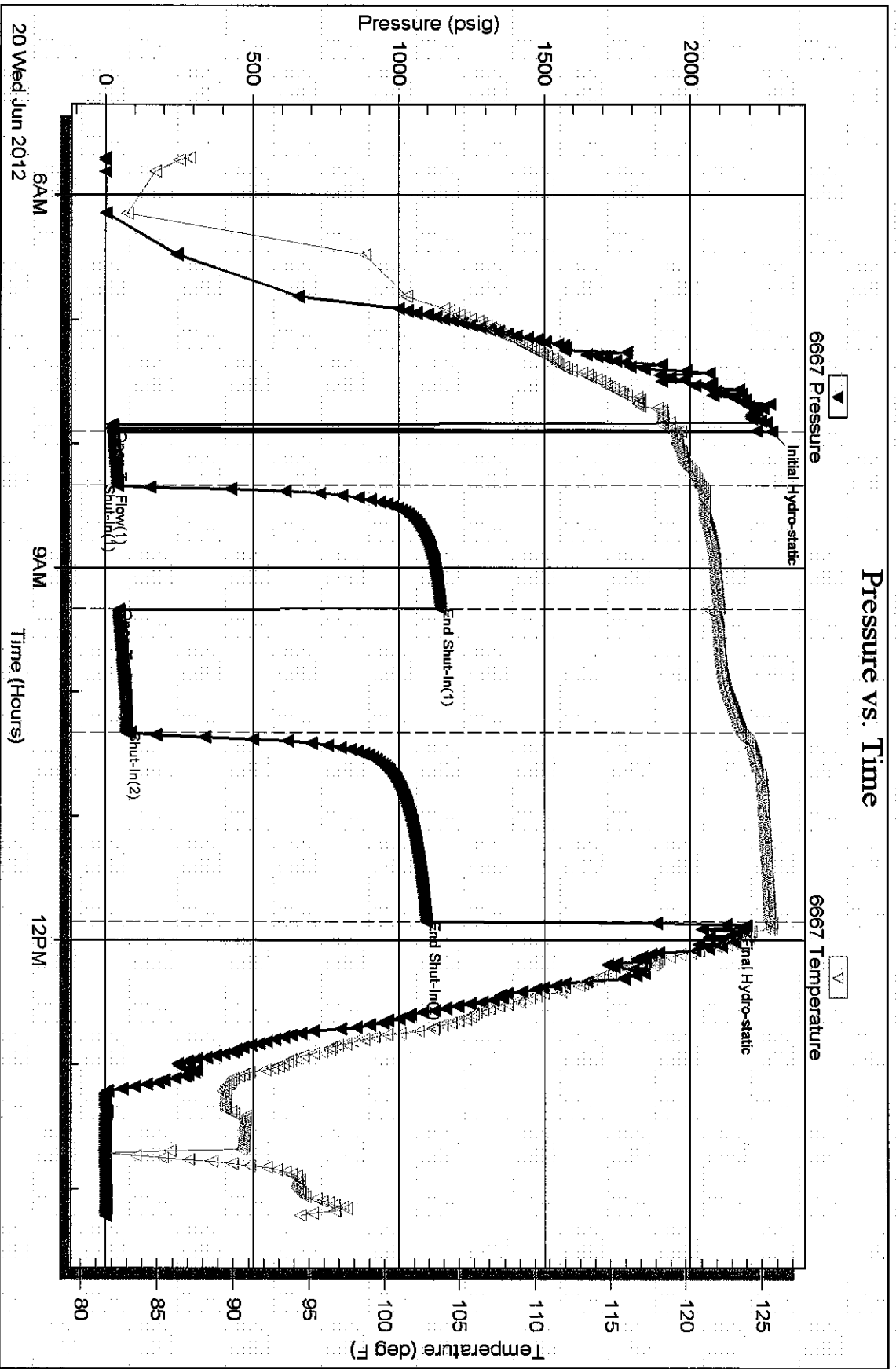
Serial #: 6667

Outside Credo Petroleum Corp

Laurent#1-22

DST Test Number: 5

Pressure vs. Time



20 Wed Jun 2012

Tribble Testing, Inc

Ref. No: 46930

Printed: 2012.06.25 @ 16:01:36

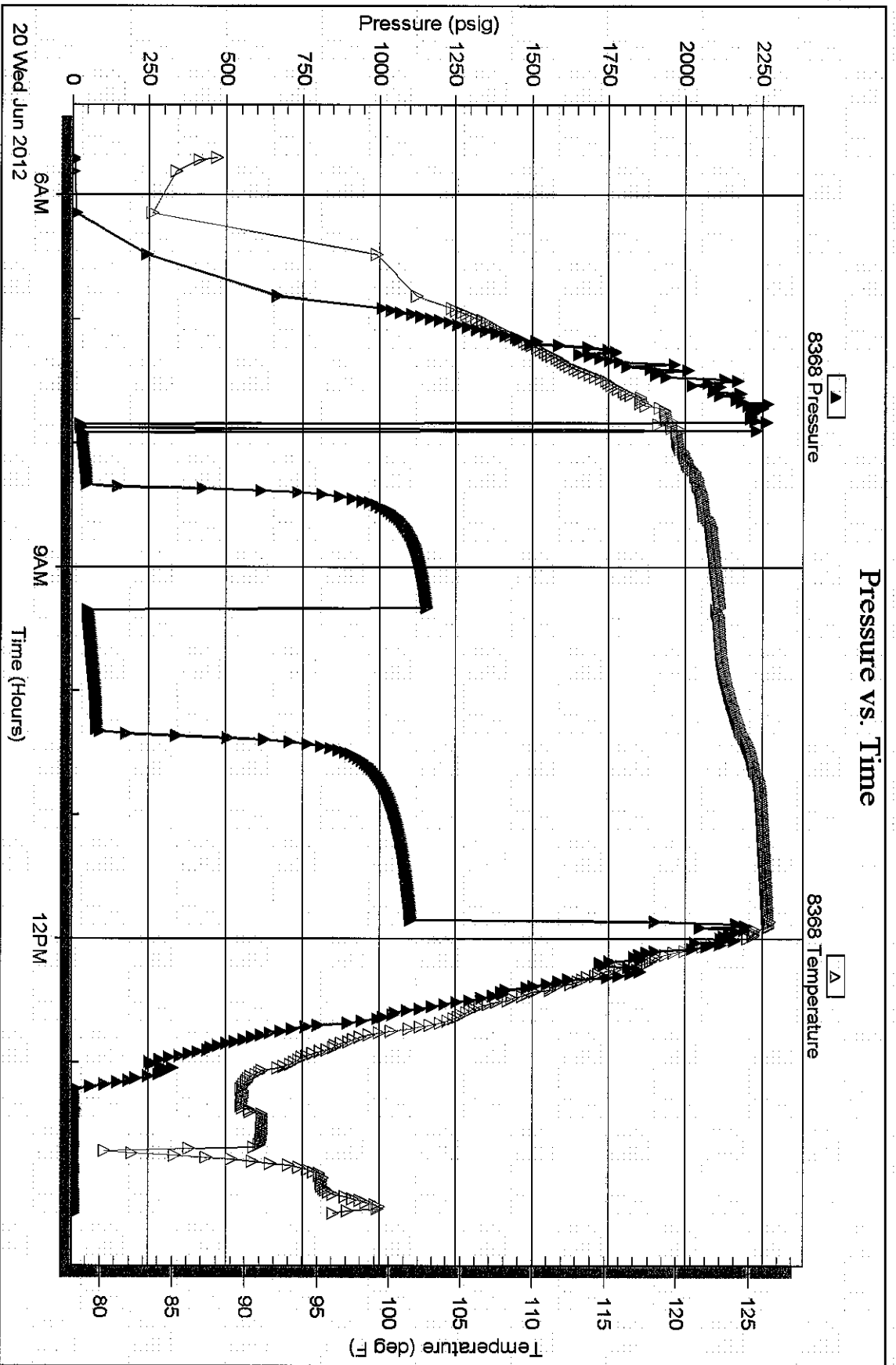
Serial #: 8368

Inside

Credo Petroleum Corp

Laurent#1-22

DST Test Number: 5



Triolite Testing, Inc

Ref. No: 46930

Printed: 2012.06.25 @ 16:01:37