



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1104890
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: _____



1104890

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: Yes No

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Forestar Petroleum Corporation
Well Name	K. CLARK 1-15
Doc ID	1104890

Tops

Name	Top	Datum
Anhydrite	2171	667
Topeka	3707	-869
Heebner	3956	-1118
Lansing	3997	-1159
Stark Shale	4289	-1451
Marmaton	4408	-1570
Ft. Scott	4506	-1668
Johnson	4594	-1756

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

December 14, 2012

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

Re: ACO1
API 15-101-22404-00-00
K. CLARK 1-15
NW/4 Sec.15-19S-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

ALLIED OIL & GAS SERVICES, LLC 053582

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Great Bend KS

DATE <i>10-19-12</i>	SEC. <i>15</i>	TWP. <i>19S</i>	RANGE <i>29W</i>	CALLED OUT	ON LOCATION	JOB START <i>7:30</i>	JOB FINISH <i>3:20</i>
LEASE <i>Clark</i>	WELL# <i>1-15</i>	LOCATION <i>Digby on gas well 55</i>			COUNTY <i>Lea</i>	STATE <i>KS</i>	
OLD OR (NEW) (Circle one) <i>NEW</i>				<i>1.01</i>		<i>6.3</i>	

CONTRACTOR *New Fin Drilling #22*

TYPE OF JOB *Surf Seal*

HOLE SIZE *12 1/4* T.D.

CASING SIZE *5 1/2* DEPTH *270.28*

TUBING SIZE DEPTH

DRILL PIPE *4 1/2* DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *15 Cy*

PERFS.

DISPLACEMENT *16.26 bbls*

EQUIPMENT

OWNER

CEMENT

AMOUNT ORDERED *165 SKS class A*

37.00 27.901

COMMON	<i>165</i>	@	<i>17.90</i>	<i>2953.5</i>	}	<i>2953.50</i>
POZMIX		@				
GEL	<i>3</i>	@	<i>23.40</i>	<i>70.20</i>		
CHLORIDE	<i>6</i>	@	<i>64.00</i>	<i>384</i>		
ASC		@				

PUMP TRUCK CEMENTER *Dustin Chambers 1*

366 HELPER *Robert Hall 2*

BULK TRUCK

482 DRIVER *Karla Weighers 3*

BULK TRUCK

DRIVER

HANDLING *177.9 x 245*

MILEAGE *40.00 x 2.00*

TOTAL *4639.29*

REMARKS:

Break off cement on well to put in mud pump 5 bbls cement on ahead!

add 165 SKS class A 37.00 27.901

Displace 16.26 bbls cement & 400 gal cement to 2 bbls in plug float

SERVICE

DEPTH OF JOB *270*

PUMP TRUCK CHARGE *1512.25*

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

H.D.V. *40* @ *2.70* *308*

L.D.V. *440* @ *4.40* *176*

TOTAL *1926.25*

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

SALES TAX (If Any) *214.68*

TOTAL CHARGES *6635.54*

DISCOUNT *25.70* *1638.80*

IF PAID IN 30 DAYS

CHARGE TO: *Credo Petroleum Corp.*

STREET

CITY STATE ZIP

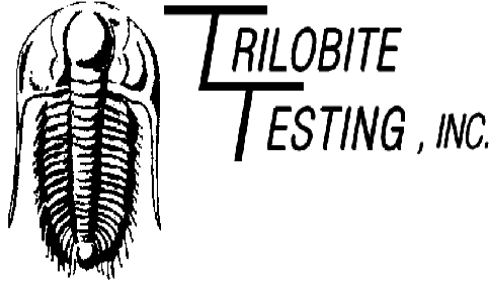
To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL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

PRINTED NAME *X KELLY WILSON*

SIGNATURE *X Kelly Wilson*

Thank You!!

4.976.00



DRILL STEM TEST REPORT

Prepared For: **Credo Petroleum Corporation**

1801 Broadway # 900
Denver CO 80202-3858

ATTN: Charles Sturdavant

K Clark #1-15

15-19s-29w Lane,KS

Start Date: 2012.10.22 @ 07:55:00

End Date: 2012.10.22 @ 15:31:00

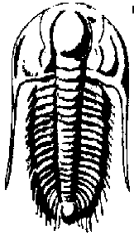
Job Ticket #: 48910 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.10.26 @ 10:53:58



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Credo Petroleum Corporation

15-19s-29w Lane, KS

1801 Broadway # 900
Denver CO 80202-3858

K Clark #1-15

Job Ticket: 48910

DST#: 1

ATTN: Charles Sturdavant

Test Start: 2012.10.22 @ 07:55:00

GENERAL INFORMATION:

Formation: **Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:13:30

Time Test Ended: 15:31:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 46

Interval: 4182.00 ft (KB) To 4370.00 ft (KB) (TVD)

Reference Elevations: 2838.00 ft (KB)

Total Depth: 4370.00 ft (KB) (TVD)

2827.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8675

Inside

Press @ Run Depth: 520.27 psig @ 4183.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.22

End Date:

2012.10.22

Last Calib.:

2012.10.22

Start Time:

07:55:15

End Time:

15:31:00

Time On Btm:

2012.10.22 @ 10:12:15

Time Off Btm:

2012.10.22 @ 12:59:15

TEST COMMENT:

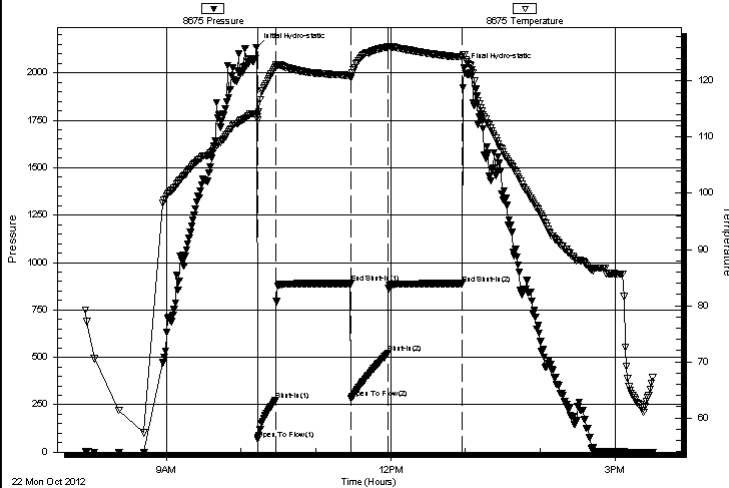
B.O.B. in 4 min.

Bled off for 5 min. No return blow

B.O.B. in 5 1/2 min.

Bled off for 5 min. No return blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2134.36	114.22	Initial Hydro-static
2	68.19	113.61	Open To Flow (1)
16	275.35	122.46	Shut-In(1)
76	889.27	120.96	End Shut-In(1)
76	285.95	120.54	Open To Flow (2)
106	520.27	126.05	Shut-In(2)
165	888.71	124.34	End Shut-In(2)
167	2027.88	124.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
234.00	ocmw 5%O 20%M 75%W	1.15
680.00	ocgmw 5%O 5%G 40%M 50%W	9.53
186.00	w cm 5% W 95%M	2.61

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Credo Petroleum Corporation

15-19s-29w Lane,KS

1801 Broadway # 900
Denver CO 80202-3858

K Clark #1-15

Job Ticket: 48910

DST#: 1

ATTN: Charles Sturdavant

Test Start: 2012.10.22 @ 07:55:00

Tool Information

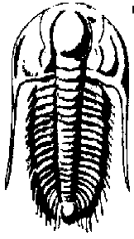
Drill Pipe:	Length: 3945.04 ft	Diameter: 3.80 inches	Volume: 55.34 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 234.55 ft	Diameter: 2.25 inches	Volume: 1.15 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 56.49 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.09 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4182.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	188.00 ft			
Tool Length:	215.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4155.50	
Shut In Tool	5.00			4160.50	
Hydraulic tool	5.00			4165.50	
Jars	5.00			4170.50	
Safety Joint	2.50			4173.00	
Packer	5.00			4178.00	27.50 Bottom Of Top Packer
Packer	4.00			4182.00	
Stubb	1.00			4183.00	
Recorder	0.00	8675	Inside	4183.00	
Recorder	0.00	8650	Outside	4183.00	
Perforations	26.00			4209.00	
Change Over Sub	1.00			4210.00	
Drill Pipe	156.00			4366.00	
Change Over Sub	1.00			4367.00	
Bullnose	3.00			4370.00	188.00 Bottom Packers & Anchor

Total Tool Length: 215.50



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Credo Petroleum Corporation

15-19s-29w Lane,KS

1801 Broadway # 900
Denver CO 80202-3858

K Clark #1-15

Job Ticket: 48910

DST#: 1

ATTN: Charles Sturdavant

Test Start: 2012.10.22 @ 07:55:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 42.00 sec/qt
Water Loss: 14.35 in³
Resistivity: ohm.m
Salinity: 26000.00 ppm
Filter Cake: 2.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
234.00	ocmw 5%O 20%M 75%W	1.151
680.00	ocgmw 5%O 5%G 40%M 50%W	9.534
186.00	wcm 5% W 95%M	2.609

Total Length: 1100.00 ft Total Volume: 13.294 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw . .20 @ 70 F = 35,000

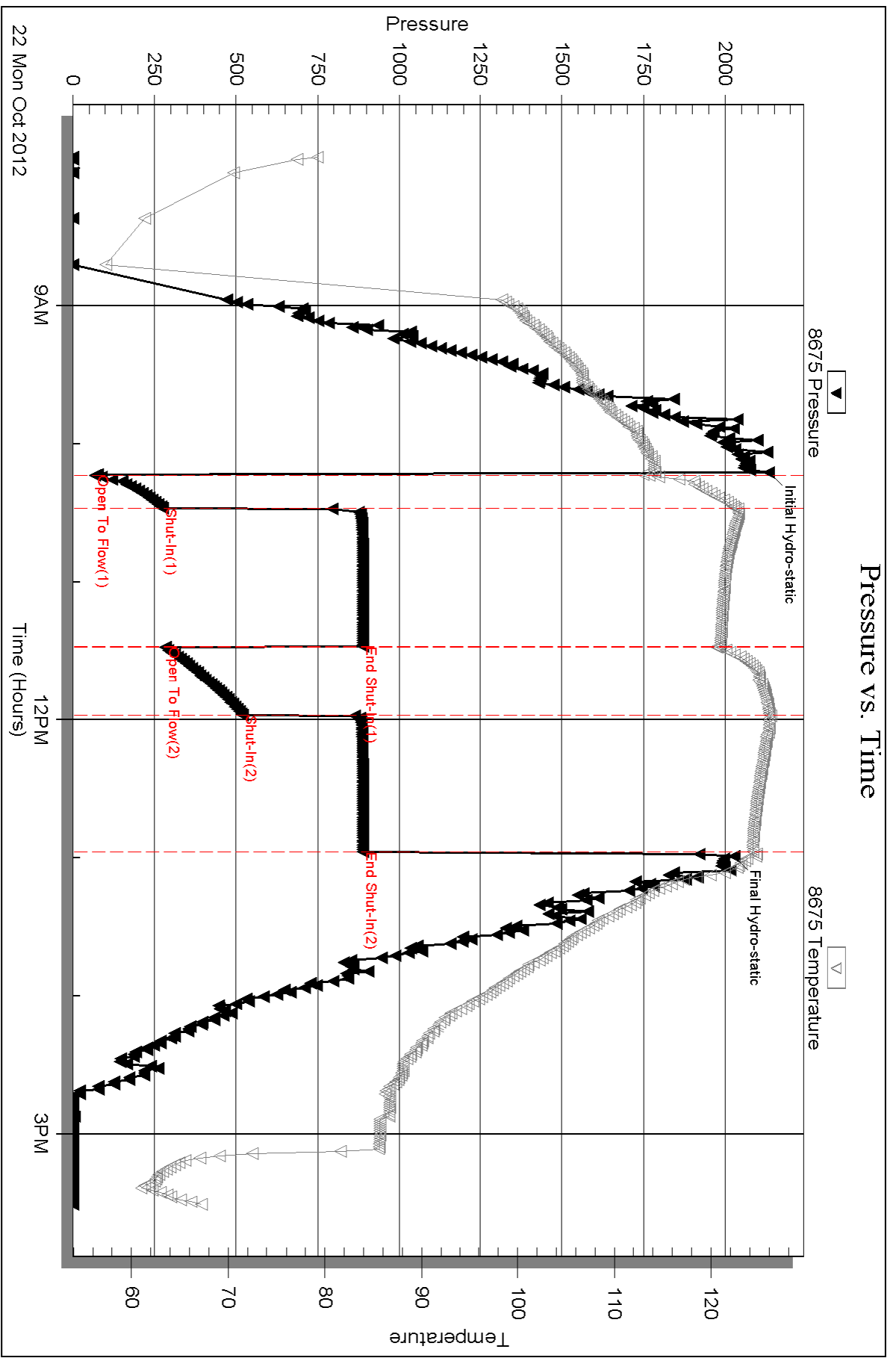
Serial #: 8675

Inside

Credo Petroleum Corporation

K Clark #1-15

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 48910

Printed: 2012.10.26 @ 10:54:02

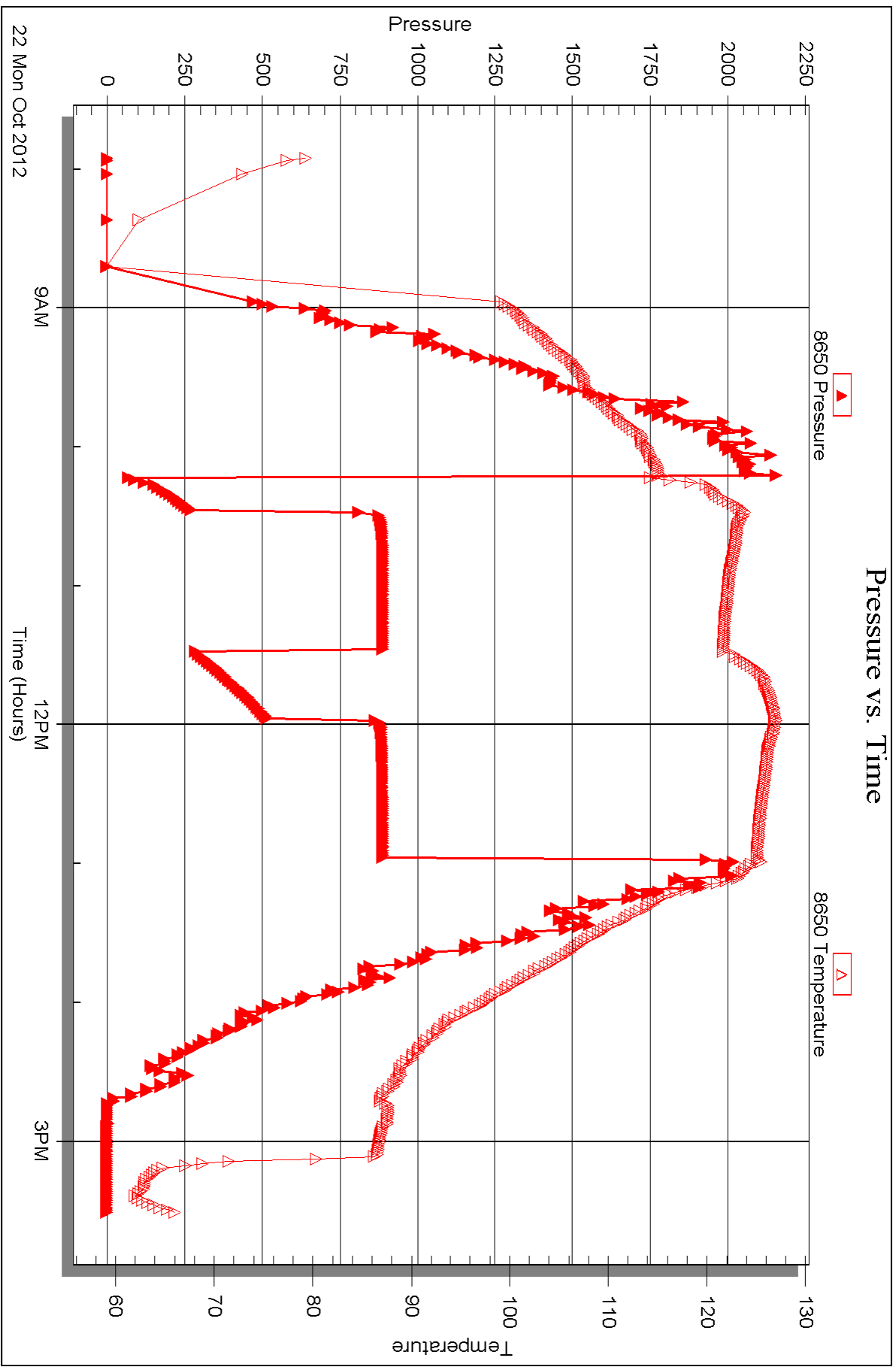
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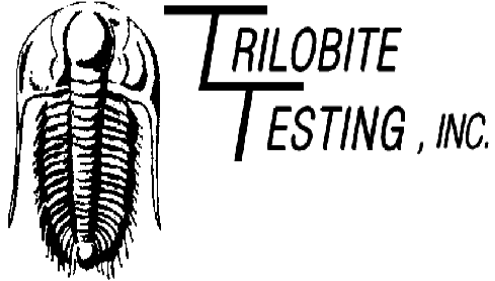
Outside

Credo Petroleum Corporation

K Clark #1-15

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Credo Petroleum Corporation**

1801 Broadway # 900
Denver CO 80202-3858

ATTN: Charles Sturdavant

K Clark #1-15

15-19s-29w Lane,KS

Start Date: 2012.10.23 @ 04:20:00

End Date: 2012.10.23 @ 12:17:15

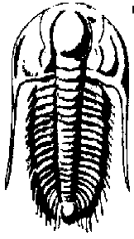
Job Ticket #: 48911 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.10.26 @ 10:52:45



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Credo Petroleum Corporation

15-19s-29w Lane, KS

1801 Broadway # 900
Denver CO 80202-3858

K Clark #1-15

Job Ticket: 48911

DST#: 2

ATTN: Charles Sturdavant

Test Start: 2012.10.23 @ 04:20:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:53:45

Time Test Ended: 12:17:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Interval: 4368.00 ft (KB) To 4480.00 ft (KB) (TVD)

Reference Elevations: 2838.00 ft (KB)

Total Depth: 4480.00 ft (KB) (TVD)

2827.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8675

Inside

Press @ Run Depth: 546.99 psig @ 4369.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.23

End Date:

2012.10.23

Last Calib.:

2012.10.23

Start Time: 04:20:15

End Time:

12:17:15

Time On Btm:

2012.10.23 @ 06:53:30

Time Off Btm:

2012.10.23 @ 09:39:15

TEST COMMENT:

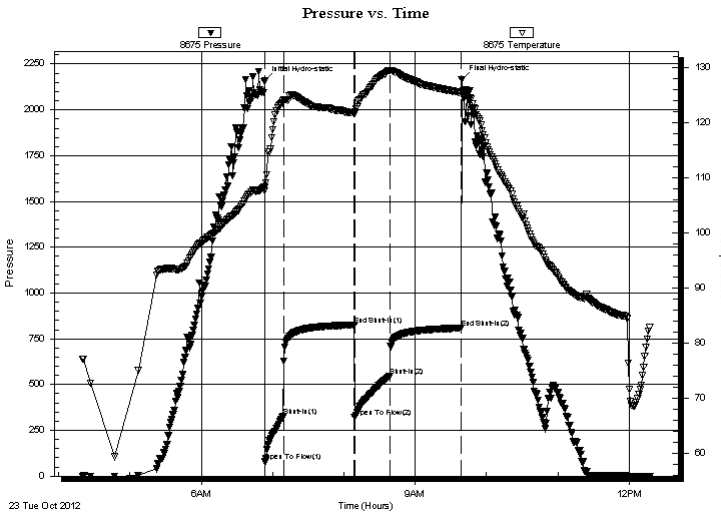
B.O.B. in 3 1/2 min.

Bled off for 5 min. No return blow

B.O.B. in 5 min.

Bled off for 5 min. No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2160.33	108.35	Initial Hydro-static
1	78.80	107.64	Open To Flow (1)
16	327.48	123.93	Shut-In(1)
76	825.85	121.83	End Shut-In(1)
76	321.96	121.63	Open To Flow (2)
106	546.99	129.48	Shut-In(2)
165	808.62	125.51	End Shut-In(2)
166	2164.29	125.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
544.00	mcw with oil scum 20%M 80%W	5.49
586.00	w cm with oil scum 30%W 70%M	8.22

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Credo Petroleum Corporation

15-19s-29w Lane, KS

1801 Broadway # 900
Denver CO 80202-3858

K Clark #1-15

Job Ticket: 48911

DST#: 2

ATTN: Charles Sturdavant

Test Start: 2012.10.23 @ 04:20:00

Tool Information

Drill Pipe:	Length: 4131.91 ft	Diameter: 3.80 inches	Volume: 57.96 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 234.55 ft	Diameter: 2.25 inches	Volume: 1.15 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 59.11 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.96 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4368.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	112.00 ft			
Tool Length:	139.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4341.50	
Shut In Tool	5.00			4346.50	
Hydraulic tool	5.00			4351.50	
Jars	5.00			4356.50	
Safety Joint	2.50			4359.00	
Packer	5.00			4364.00	27.50 Bottom Of Top Packer
Packer	4.00			4368.00	
Stubb	1.00			4369.00	
Recorder	0.00	8675	Inside	4369.00	
Recorder	0.00	8650	Outside	4369.00	
Perforations	13.00			4382.00	
Change Over Sub	1.00			4383.00	
Drill Pipe	93.00			4476.00	
Change Over Sub	1.00			4477.00	
Bullnose	3.00			4480.00	112.00 Bottom Packers & Anchor

Total Tool Length: 139.50



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Credo Petroleum Corporation

15-19s-29w Lane, KS

1801 Broadway # 900
Denver CO 80202-3858

K Clark #1-15

Job Ticket: 48911

DST#: 2

ATTN: Charles Sturdavant

Test Start: 2012.10.23 @ 04:20:00

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: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
544.00	mcw with oil scum 20%M 80%W	5.494
586.00	w cm with oil scum 30%W 70%M	8.220

Total Length: 1130.00 ft Total Volume: 13.714 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .15 @ 80 F = 40,000

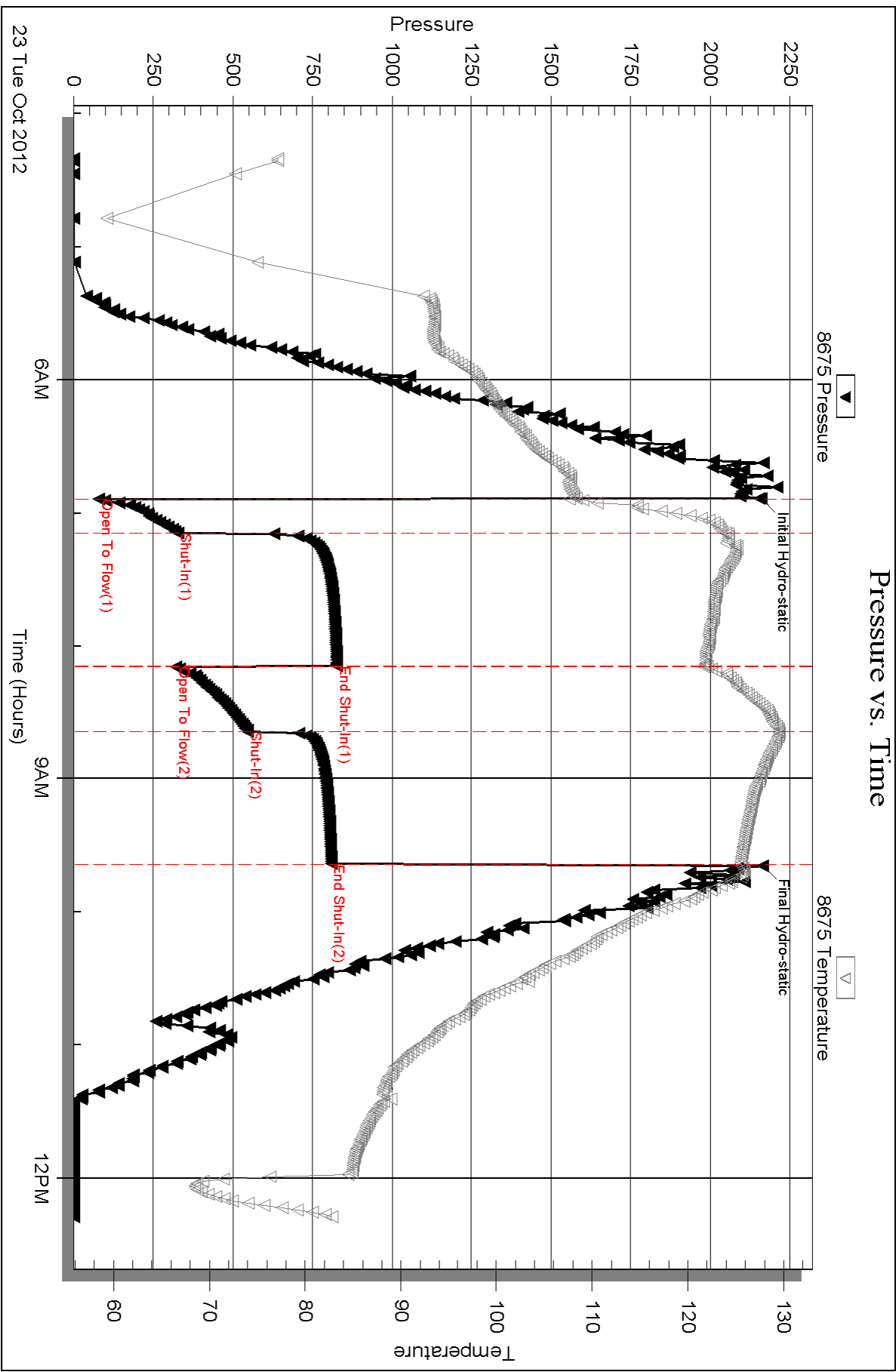
Serial #: 8675

Inside

Crede Petroleum Corporation

K Clark #1-15

DST Test Number: 2

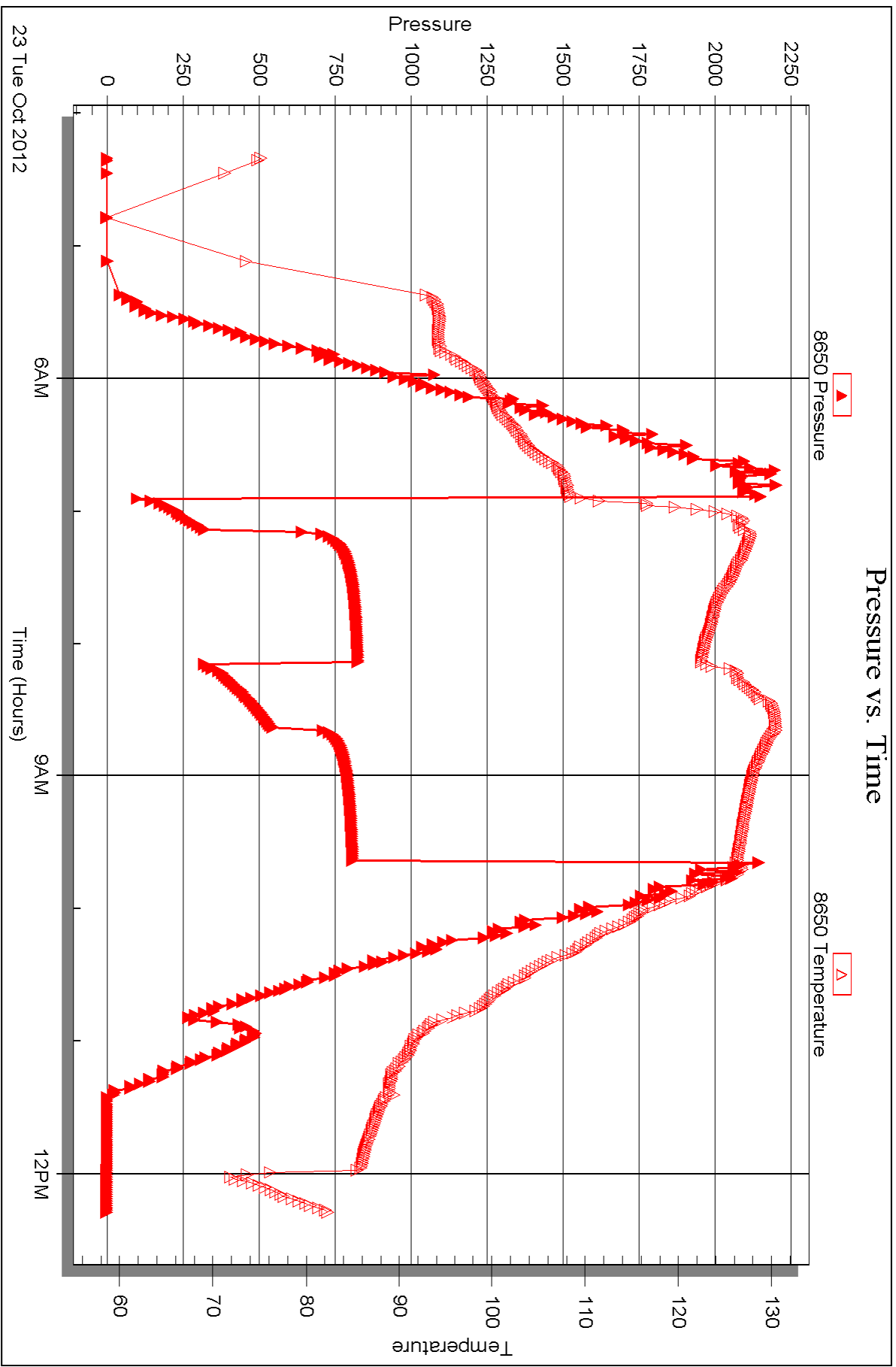


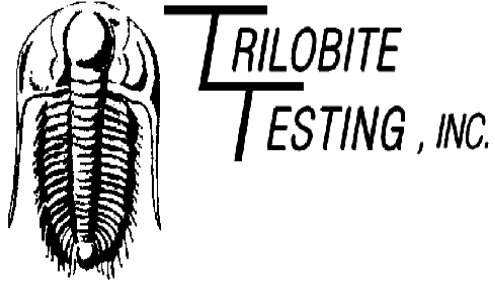
Serial #: 8650

Outside Credo Petroleum Corporation

K Clark #1-15

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Credo Petroleum Corporation**

1801 Broadway # 900
Denver CO 80202-3858

ATTN: Charles Sturdavant

K Clark #1-15

15-19s-29w Lane,KS

Start Date: 2012.10.24 @ 03:55:00

End Date: 2012.10.24 @ 11:13:15

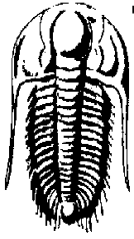
Job Ticket #: 48912 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.10.26 @ 10:51:34



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Credo Petroleum Corporation

15-19s-29w Lane, KS

1801 Broadway # 900
Denver CO 80202-3858

K Clark #1-15

Job Ticket: 48912

DST#: 3

ATTN: Charles Sturdavant

Test Start: 2012.10.24 @ 03:55:00

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:41:45

Time Test Ended: 11:13:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Interval: 4478.00 ft (KB) To 4620.00 ft (KB) (TVD)

Reference Elevations: 2838.00 ft (KB)

Total Depth: 4620.00 ft (KB) (TVD)

2827.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8675 Inside

Press @ Run Depth: 90.48 psig @ 4479.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.24

End Date:

2012.10.24

Last Calib.: 2012.10.24

Start Time: 03:55:15

End Time:

11:13:15

Time On Btm: 2012.10.24 @ 05:41:30

Time Off Btm: 2012.10.24 @ 09:12:30

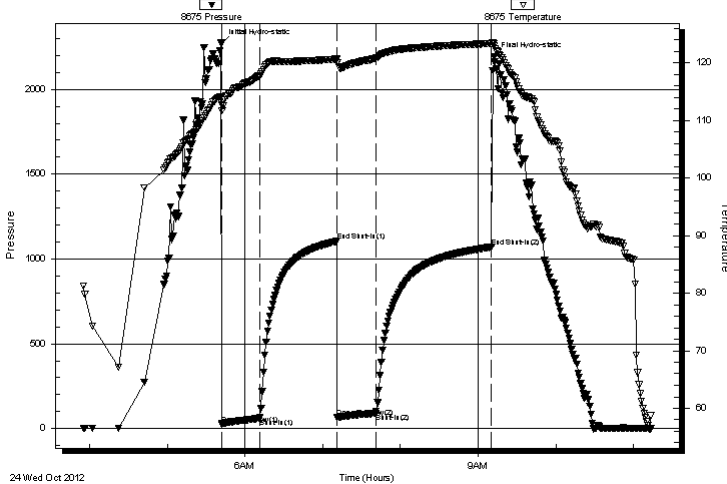
TEST COMMENT: Built to 2 1/2" blow

No return blow

No blow

No return blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2271.31	114.14	Initial Hydro-static
1	26.21	112.74	Open To Flow (1)
30	60.55	117.77	Shut-In(1)
90	1104.65	120.66	End Shut-In(1)
90	64.50	119.94	Open To Flow (2)
120	90.48	120.80	Shut-In(2)
209	1070.56	123.37	End Shut-In(2)
211	2192.77	122.92	Final Hydro-static

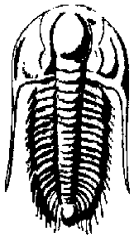
Recovery

Length (ft)	Description	Volume (bbl)
120.00	100% Mud	0.59

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Credo Petroleum Corporation

15-19s-29w Lane, KS

1801 Broadway # 900
Denver CO 80202-3858

K Clark #1-15

Job Ticket: 48912

DST#: 3

ATTN: Charles Sturdavant

Test Start: 2012.10.24 @ 03:55:00

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:41:45

Time Test Ended: 11:13:15

Interval: **4478.00 ft (KB) To 4620.00 ft (KB) (TVD)**

Total Depth: 4620.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Reference Elevations: 2838.00 ft (KB)

2827.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8650 Outside

Press @ Run Depth: psig @ 4479.00 ft (KB)

Start Date: 2012.10.24

End Date:

2012.10.24

Start Time: 03:55:15

End Time:

11:13:00

Capacity: 8000.00 psig

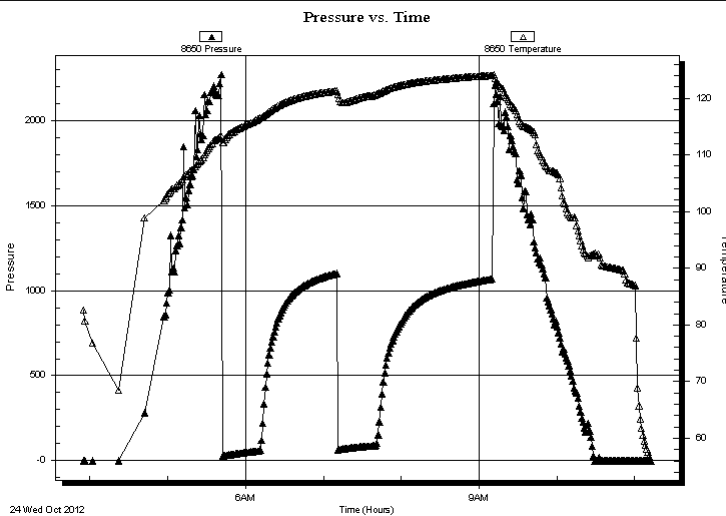
Last Calib.:

2012.10.24

Time On Btm:

Time Off Btm:

TEST COMMENT: Built to 2 1/2" blow
No return blow
No blow
No return blow



PRESSURE SUMMARY

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

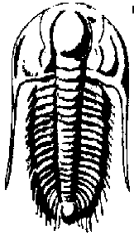
Recovery

Length (ft)	Description	Volume (bbl)
120.00	100% Mud	0.59

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Credo Petroleum Corporation

15-19s-29w Lane,KS

1801 Broadway # 900
Denver CO 80202-3858

K Clark #1-15

Job Ticket: 48912

DST#: 3

ATTN: Charles Sturdavant

Test Start: 2012.10.24 @ 03:55:00

Tool Information

Drill Pipe:	Length: 4224.73 ft	Diameter: 3.80 inches	Volume: 59.26 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 300000.0 lb
Drill Collar:	Length: 234.55 ft	Diameter: 2.25 inches	Volume: 1.15 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 60.41 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.78 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4478.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	142.00 ft			
Tool Length:	169.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4451.50	
Shut In Tool	5.00			4456.50	
Hydraulic tool	5.00			4461.50	
Jars	5.00			4466.50	
Safety Joint	2.50			4469.00	
Packer	5.00			4474.00	27.50 Bottom Of Top Packer
Packer	4.00			4478.00	
Stubb	1.00			4479.00	
Recorder	0.00	8675	Inside	4479.00	
Recorder	0.00	8650	Outside	4479.00	
Perforations	11.00			4490.00	
Change Over Sub	1.00			4491.00	
Drill Pipe	125.00			4616.00	
Change Over Sub	1.00			4617.00	
Bullnose	3.00			4620.00	142.00 Bottom Packers & Anchor

Total Tool Length: 169.50



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Credo Petroleum Corporation

15-19s-29w Lane, KS

1801 Broadway # 900
Denver CO 80202-3858

K Clark #1-15

Job Ticket: 48912

DST#: 3

ATTN: Charles Sturdavant

Test Start: 2012.10.24 @ 03:55:00

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:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	100% Mud	0.590

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

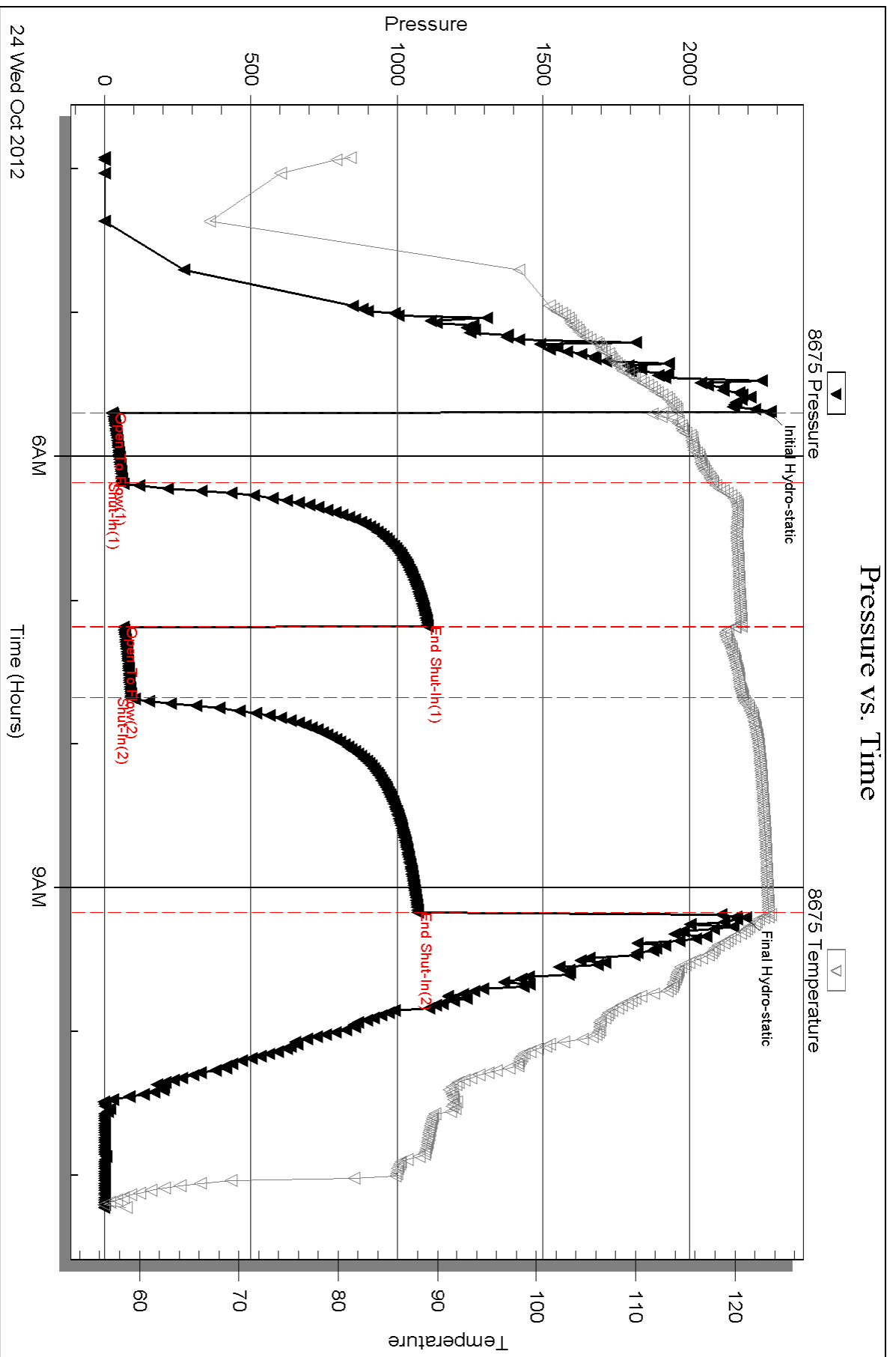
Serial #: 8675

Inside

Crede Petroleum Corporation

K Clark #1-15

DST Test Number: 3



24 Wed Oct 2012

Triobite Testing, Inc

Ref. No: 48912

Printed: 2012.10.26 @ 10:51:38

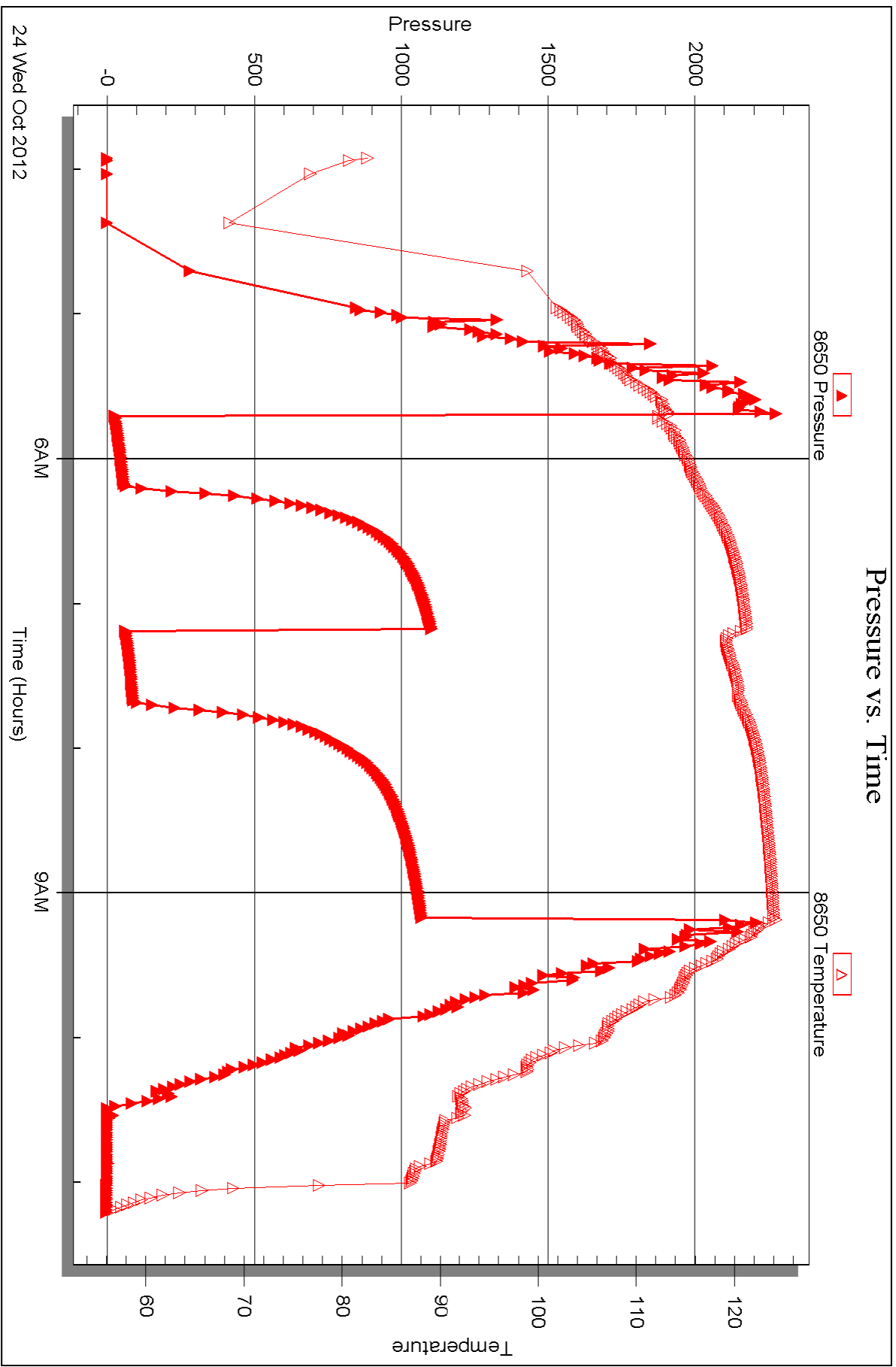
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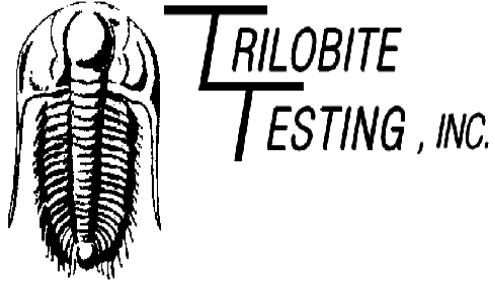
Outside

Crede Petroleum Corporation

K Clark #1-15

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Credo Petroleum Corporation**

1801 Broadway # 900
Denver CO 80202-3858

ATTN: Charles Sturdavant

K Clark #1-15

15-19s-29w Lane,KS

Start Date: 2012.10.24 @ 20:30:00

End Date: 2012.10.25 @ 03:10:00

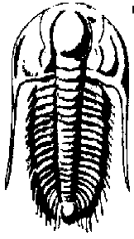
Job Ticket #: 48913 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.10.26 @ 10:50:39



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Credo Petroleum Corporation

15-19s-29w Lane, KS

1801 Broadway # 900
Denver CO 80202-3858

K Clark #1-15

Job Ticket: 48913

DST#: 4

ATTN: Charles Sturdavant

Test Start: 2012.10.24 @ 20:30:00

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:23:45

Time Test Ended: 03:10:00

Test Type: Conventional Straddle (Reset)

Tester: Jace McKinney

Unit No: 46

Interval: 4651.00 ft (KB) To 4664.00 ft (KB) (TVD)

Reference Elevations: 2838.00 ft (KB)

Total Depth: 4680.00 ft (KB) (TVD)

2827.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8675 Inside

Press @ Run Depth: 18.55 psig @ 4652.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.24

End Date:

2012.10.25

Last Calib.: 2012.10.25

Start Time: 20:30:15

End Time:

03:10:00

Time On Btm: 2012.10.24 @ 22:23:15

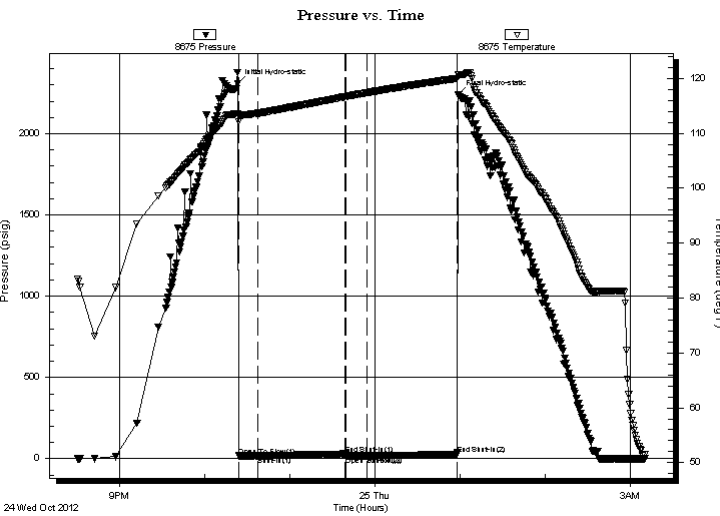
Time Off Btm: 2012.10.25 @ 00:58:45

TEST COMMENT: Weak surface blow, Died in 15 min.

No return blow

No blow

No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2308.60	113.59	Initial Hydro-static
1	17.74	112.16	Open To Flow (1)
14	18.18	113.64	Shut-In(1)
76	30.15	116.67	End Shut-In(1)
76	17.44	116.68	Open To Flow (2)
91	18.55	117.39	Shut-In(2)
155	27.03	119.99	End Shut-In(2)
156	2237.30	120.65	Final Hydro-static

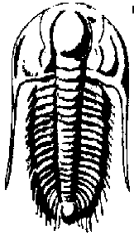
Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud	0.02

* 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 Corporation

15-19s-29w Lane,KS

1801 Broadway # 900
Denver CO 80202-3858

K Clark #1-15

Job Ticket: 48913

DST#: 4

ATTN: Charles Sturdavant

Test Start: 2012.10.24 @ 20:30:00

Tool Information

Drill Pipe:	Length: 4413.33 ft	Diameter: 3.80 inches	Volume: 61.91 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 234.55 ft	Diameter: 2.25 inches	Volume: 1.15 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 63.06 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.38 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4651.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	4664.00 ft			
Interval between Packers:	13.00 ft			
Tool Length:	61.50 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			4628.50	
Hydraulic tool	5.00			4633.50	
Jars	5.00			4638.50	
Safety Joint	2.50		Fluid	4641.00	
Packer	5.00			4646.00	27.50 Bottom Of Top Packer
Packer	5.00			4651.00	
Stubb	1.00			4652.00	
Recorder	0.00	8675	Inside	4652.00	
Recorder	0.00	8650	Outside	4652.00	
Perforations	11.00			4663.00	
Change Over Sub	0.00			4663.00	
drill Pipe	0.00			4663.00	
change Over Sub	0.00			4663.00	
Perforations	0.00			4663.00	
Blank Off Sub	1.00			4664.00	13.00 Tool Interval
Packer	5.00			4669.00	
Stubb	1.00			4670.00	
Change Over Sub	0.00			4670.00	
Recorder	0.00	6672	Below	4670.00	
Perforations	12.00			4682.00	
Drill Pipe	0.00			4682.00	
Change Over Sub	0.00			4682.00	
Bullnose	3.00			4685.00	21.00 Bottom Packers & Anchor
Total Tool Length:		61.50			



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Credo Petroleum Corporation

15-19s-29w Lane, KS

1801 Broadway # 900
Denver CO 80202-3858

K Clark #1-15

Job Ticket: 48913

DST#: 4

ATTN: Charles Sturdavant

Test Start: 2012.10.24 @ 20:30:00

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: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8675

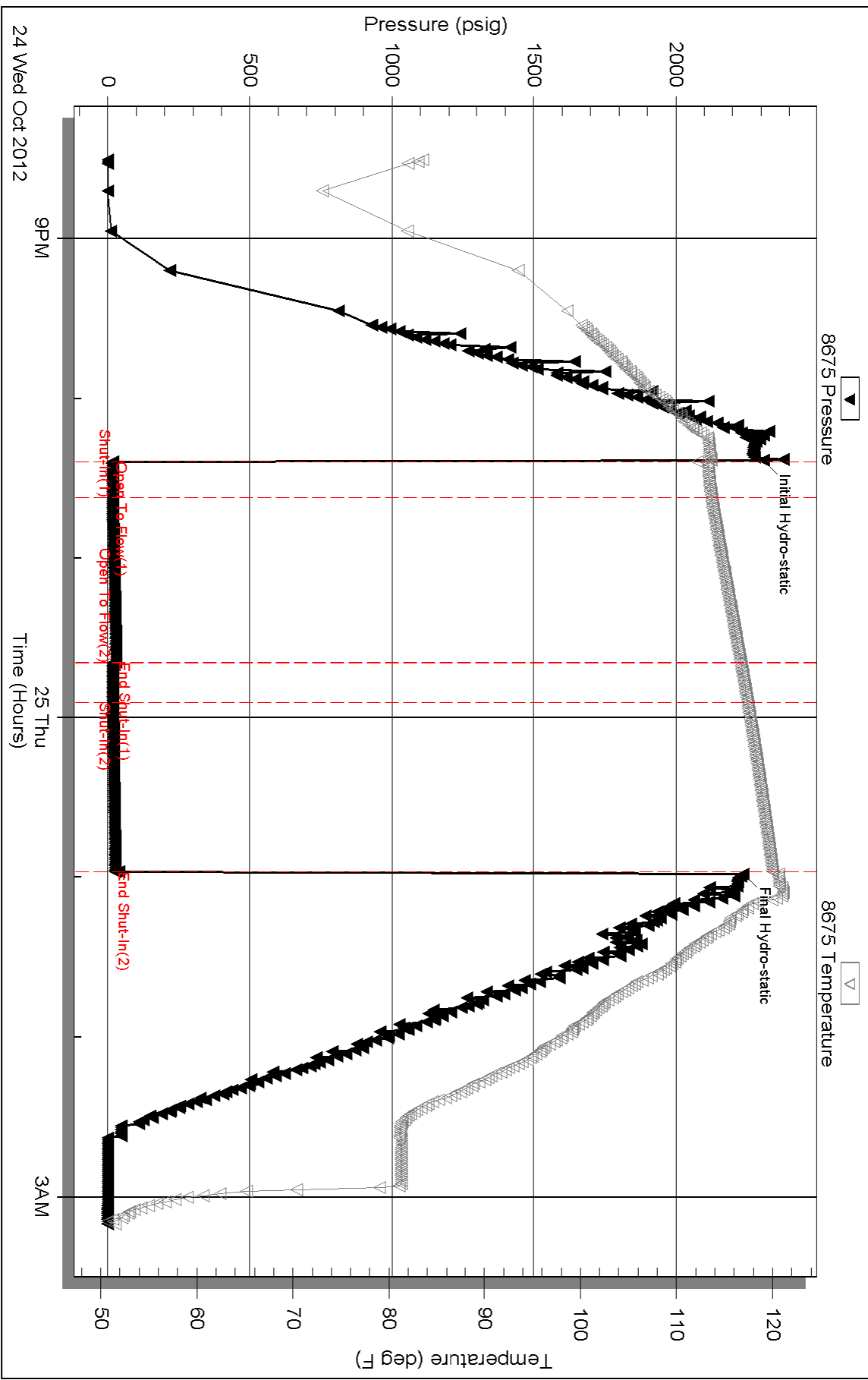
Inside

Crede Petroleum Corporation

K Clark #1-15

DST Test Number: 4

Pressure vs. Time



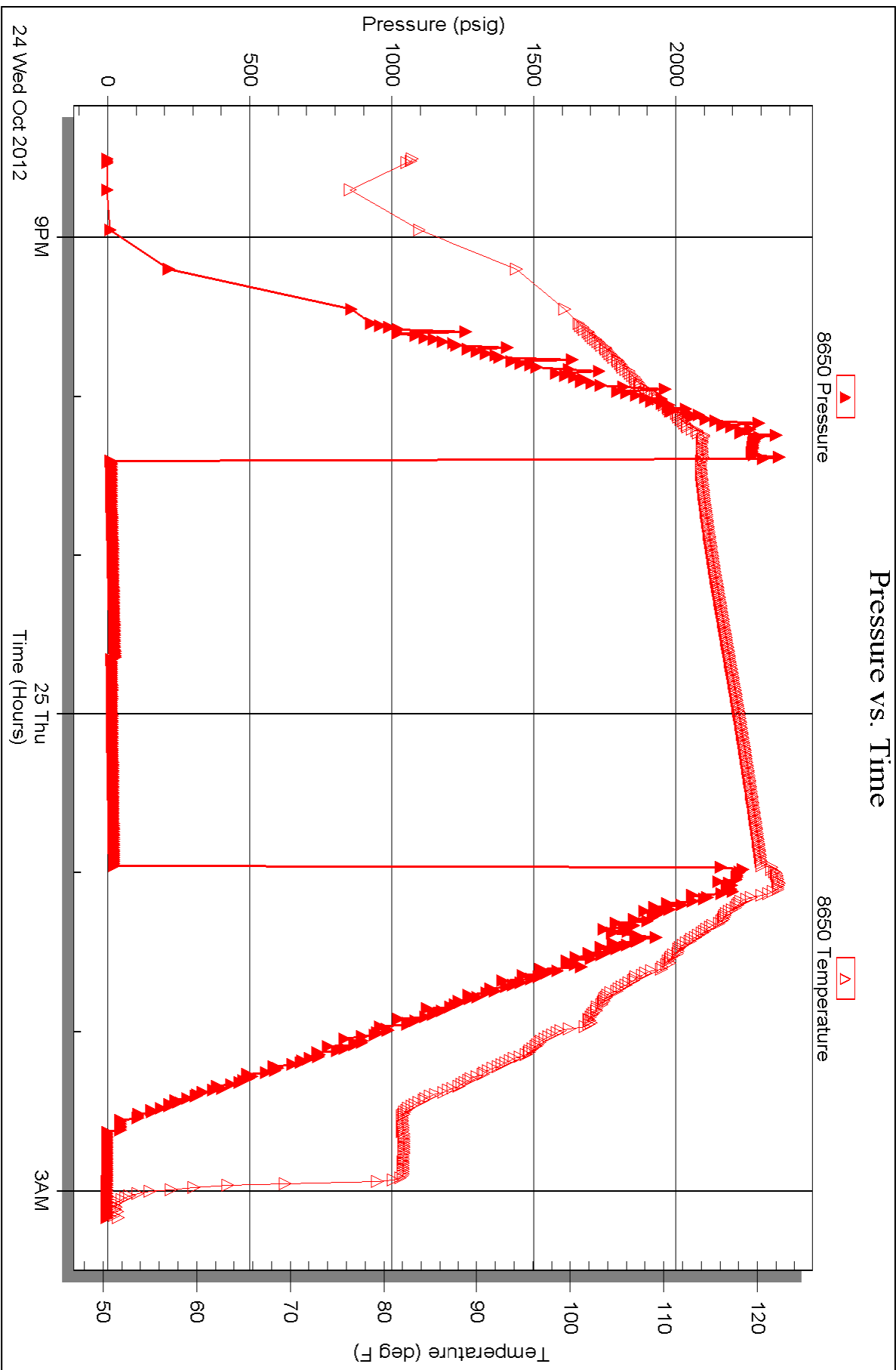
Serial #: 8650

Outside

Crede Petroleum Corporation

K Clark #1-15

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 48913

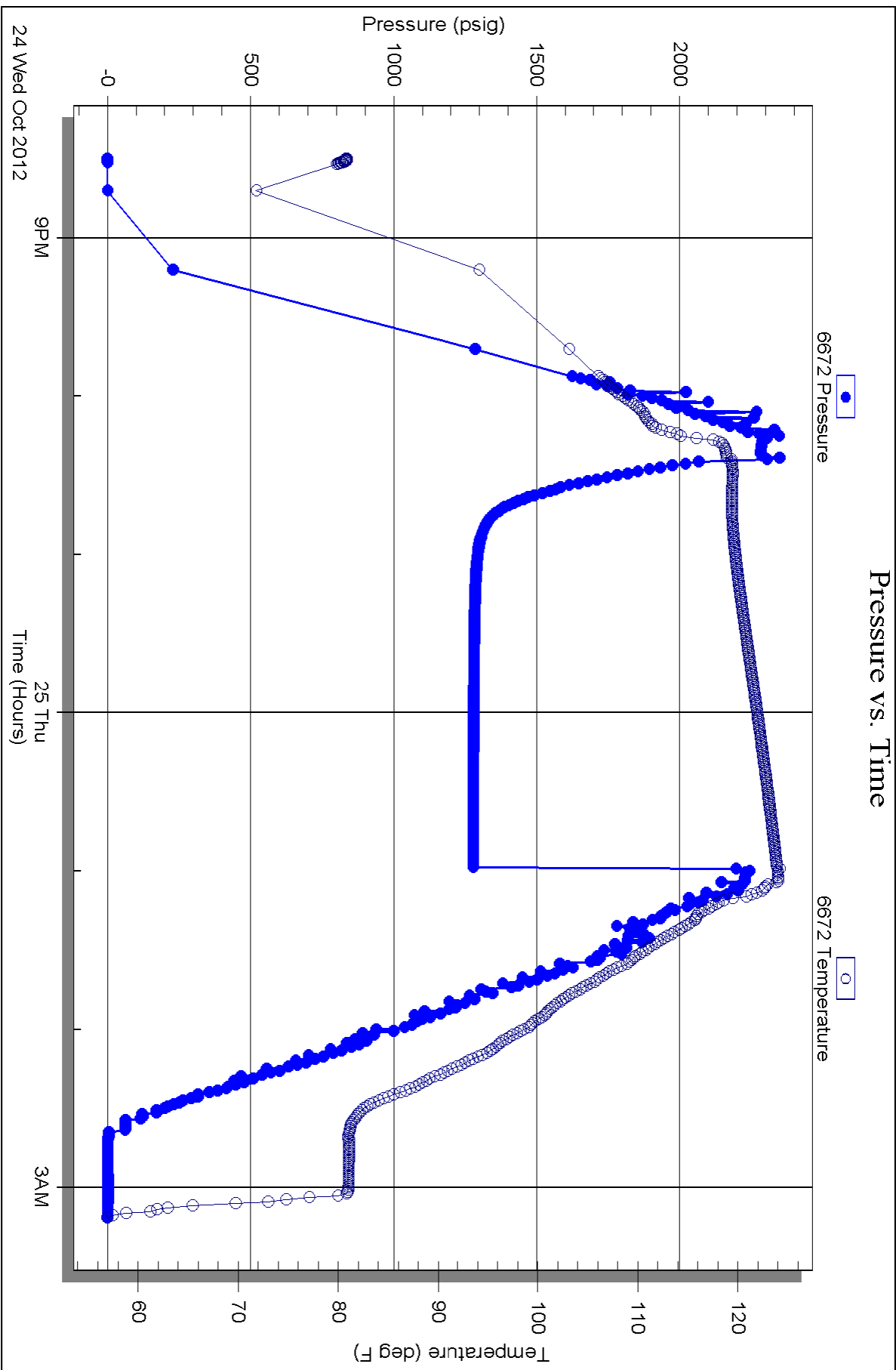
Printed: 2012.10.26 @ 10:50:44

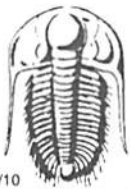
Serial #: 6672

Below (Stratfield) Petroleum Corporation

K Clark #1-15

DST Test Number: 4





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48910

Well Name & No. H Chark # 1-15 Test No. 1 Date 10/22/12
 Company Credo Petroleum Corporation Elevation 2838 KB 2827 GL
 Address 1801 Broadway # 900 Denver, CO. 80202-3858
 Co. Rep / Geo. Charles Sturdavant Rig Murkin 22
 Location: Sec. 15 Twp. 19S Rge. 29W Co. Lane State KS

Interval Tested 4182-4370 Zone Tested Kansas City
 Anchor Length 188 Drill Pipe Run 3945.04 Mud Wt. 9.5
 Top Packer Depth 4178 Drill Collars Run 234.55 Vis 42
 Bottom Packer Depth 4182 Wt. Pipe Run _____ WL 14.4
 Total Depth 4370 Chlorides 2,600 ppm System LCM 2#

Blow Description B.O.B. in 4 min.
Bled off for 5 min. No return below
B.O.B. in 5 1/2 min.

Bled off for 5 min. No return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>186</u>	<u>WCM</u>		<u>5</u>	<u>95</u>	
<u>480</u>	<u>OCGMW</u>	<u>5</u>	<u>50</u>	<u>40</u>	
<u>234</u>	<u>OCMW</u>	<u>5</u>	<u>75</u>	<u>20</u>	
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 1100 BHT 126 Gravity _____ API RW 20 @ 70 °F Chlorides 35,000 ppm

- (A) Initial Hydrostatic 2,134
- (B) First Initial Flow 68
- (C) First Final Flow 275
- (D) Initial Shut-In 889
- (E) Second Initial Flow 286
- (F) Second Final Flow 520
- (G) Final Shut-In 889
- (H) Final Hydrostatic 2,028

- Test 1250
 - Jars 250
 - Safety Joint 75
 - Circ Sub W/C
 - Hourly Standby _____
 - Mileage 68 RT 105.40
 - Sampler _____
 - Straddle _____
 - Shale Packer _____
 - Extra Packer _____
 - Extra Recorder _____
 - Day Standby _____
 - Accessibility _____
- Sub Total 1680.40

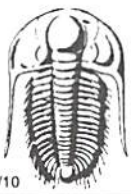
T-On Location 6:45
 T-Started 7:55
 T-Open 10:13
 T-Pulled 12:58
 T-Out 15:31

Comments _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1680.40
 MP/DST Disc't _____

Initial Open 15
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 60

Approved By Charles Sturdavant Our Representative [Signature]

TriLOBITE TESTING INC. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48911

Well Name & No. K Clark # 1-15 Test No. 2 Date 10/23/12
 Company Credo Petroleum Corporation Elevation 2838 KB 2827 GL
 Address 1801 Broadway # 900 Denver, CO. 80202-3858
 Co. Rep / Geo. Charles Sturdavant Rig Martin 22
 Location: Sec. 15 Twp. 19s Rge. 29w Co. Lane State KS

Interval Tested 4368 - 4480 Zone Tested Marmaton
 Anchor Length 112 Drill Pipe Run 4131.91 Mud Wt. 9.35
 Top Packer Depth 4364 Drill Collars Run 234.55 Vis 63
 Bottom Packer Depth 4368 Wt. Pipe Run _____ WL 7.6
 Total Depth 4480 Chlorides 2,900 ppm System LCM 4#

Blow Description B.O.B. in 3 1/2 min.
Bled off 5 min. No return below
B.O.B. in 5 min.

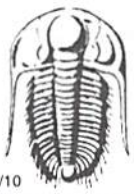
Bled off 5 min. No return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>586</u>	<u>Feet of WCM with oil scum</u>		<u>30</u>	<u>70</u>	
<u>544</u>	<u>Feet of MCW with oil scum</u>		<u>80</u>	<u>20</u>	
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 1130 BHT 129 Gravity _____ API RW 15 @ 80 ° F Chlorides 40,000 ppm

(A) Initial Hydrostatic <u>2,160</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>2:30</u>
(B) First Initial Flow <u>79</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>4:20</u>
(C) First Final Flow <u>327</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>6:53</u>
(D) Initial Shut-In <u>826</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>9:38</u>
(E) Second Initial Flow <u>322</u>	<input type="checkbox"/> Hourly Standby <u>0.5</u>	T-Out <u>12:17</u>
(F) Second Final Flow <u>547</u>	<input checked="" type="checkbox"/> Mileage <u>68 BT</u> 105.40	Comments <u>over the 10</u>
(G) Final Shut-In <u>809</u>	<input type="checkbox"/> Sampler _____	<u>HS</u>
(H) Final Hydrostatic <u>2,164</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Total <u>1680.40</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1680.40</u>	

Approved By Charlie Sturdavant Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48912

Well Name & No. K Clark # 1-15 Test No. 3 Date 10/24/12
 Company Codo Petroleum Corporation Elevation 2838 KB 2827 GL
 Address 1801 Broadway # 900 Denver, CO. 80202-3858
 Co. Rep / Geo. Charles Sturdavant Rig Martin 22
 Location: Sec. 15 Twp. 19s Rge. 29w Co. Lane State KS

Interval Tested 4478 - 4620 Zone Tested Cherokee
 Anchor Length 142 Drill Pipe Run 4224.73 Mud Wt. 9.3
 Top Packer Depth 4474 Drill Collars Run 234.55 Vis 5/6
 Bottom Packer Depth 4478 Wt. Pipe Run _____ WL 7.6
 Total Depth 4620 Chlorides 1,400 ppm System LCM 4#

Blow Description Built to 2 1/2" below
No return below
No below
No return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>100% Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 120 BHT 123 Gravity _____ API RW _____ @ _____ F Chlorides _____ ppm

(A) Initial Hydrostatic 2,271 Test 1250 T-On Location 2:45
 (B) First Initial Flow 26 Jars 250 T-Started 3:55
 (C) First Final Flow 61 Safety Joint 75 T-Open 5:41
 (D) Initial Shut-In 1,105 Circ Sub N/C T-Pulled 9:11
 (E) Second Initial Flow 65 Hourly Standby _____ T-Out 11:13
 (F) Second Final Flow 90 Mileage 6.8 BT X 2 210.80 Comments Load tools 10/24/12
 (G) Final Shut-In 1,071 Sampler _____
 (H) Final Hydrostatic 2,193 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____

Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 60 Day Standby _____ Total 1705.80
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 90 Sub Total 1705.80

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48913

Well Name & No. K Clark # 1-15 Test No. 4 Date 10/24/12 10/25/12
 Company Credo Petroleum Corporation Elevation 2838 KB 2827 GL
 Address 1801 Broadway # 900 Denver CO. 80202-3858
 Co. Rep / Geo. Charles Sturdavant Rig Murkin 22
 Location: Sec. 15 Twp. 19S Rge. 29W Co. Lane State KS

Interval Tested 41651-41664 ^{TO} 41680 Zone Tested Miss
 Anchor Length 13" ^{16"} Drill Pipe Run 4413.33 Mud Wt. 9.4
 Top Packer Depth 41647 ^{Tail Pipe} Drill Collars Run 234.55 Vis 64
 Bottom Packer Depth 41651 Wt. Pipe Run _____ WL 8.8
 Total Depth 41664 41680 Chlorides 1400 ppm System LCM 5#
 Blow Description Break surface below. Died in 15 min.
No return below
No below
No return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 119 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2,309</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>19:20</u>
(B) First Initial Flow <u>18</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>20:30</u>
(C) First Final Flow <u>18</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>22:23</u>
(D) Initial Shut-In <u>30</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>00:58</u>
(E) Second Initial Flow <u>17</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>3:10</u>
(F) Second Final Flow <u>19</u>	<input type="checkbox"/> Mileage <u>68 BT X2</u> 210.80	Comments <u>1 started 10/25</u>
(G) Final Shut-In <u>27</u>	<input type="checkbox"/> Sampler _____	<u>18:00</u>
(H) Final Hydrostatic <u>2,237</u>	<input checked="" type="checkbox"/> Straddle 600	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>15</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Total <u>2385.80</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>2385.80</u>	

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