



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Credo Petroleum Corporation

**22-17s-29w Lane Co. KS**

1801 Broadway # 900  
Denver CO. 80202-3858

**Nancy 1-22**

Job Ticket: 48321

**DST#: 2**

ATTN: Bruce Ard

Test Start: 2012.06.30 @ 19:50:00

## GENERAL INFORMATION:

Formation: **KC "L - Marmaton"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:30:30

Time Test Ended: 04:08:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

**Interval: 4284.00 ft (KB) To 4393.00 ft (KB) (TVD)**

Reference Elevations: 2816.00 ft (KB)

Total Depth: 4393.00 ft (KB) (TVD)

2805.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 8675**

**Inside**

Press @ Run Depth: 28.77 psig @ 4285.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.30

End Date:

2012.07.01

Last Calib.: 2012.07.01

Start Time: 19:50:15

End Time:

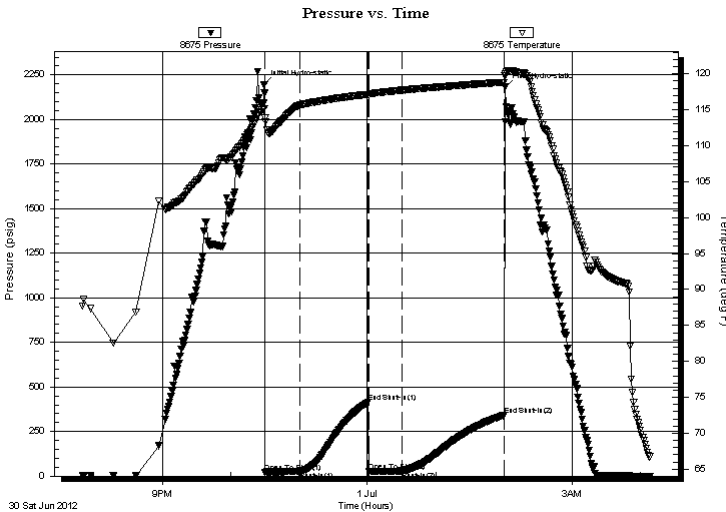
04:08:00

Time On Btm: 2012.06.30 @ 22:29:30

Time Off Btm: 2012.07.01 @ 02:01:00

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

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2193.94	115.18	Initial Hydro-static
1	21.49	113.82	Open To Flow (1)
32	26.17	115.64	Shut-In(1)
92	415.15	117.14	End Shut-In(1)
92	26.20	116.99	Open To Flow (2)
121	28.77	117.72	Shut-In(2)
211	340.82	118.81	End Shut-In(2)
212	2180.78	119.95	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% Mud w with few oil spots	0.05

## Gas Rates

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

\* Recovery from multiple tests



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Total Depth: 4393.00 ft (KB) (TVD)

2805.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 8650 Outside**

Press @ Run Depth: psig @ 4285.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.30

End Date:

2012.07.01

Last Calib.:

2012.07.01

Start Time: 19:50:15

End Time:

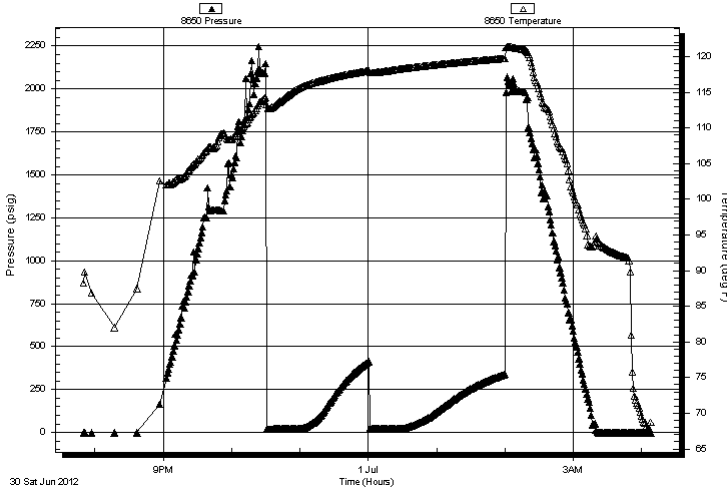
04:08:00

Time On Btm:

Time Off Btm:

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

Pressure vs. Time



## PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
10.00	100% Mud w with few oil spots	0.05

## 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 Corporation

**22-17s-29w Lane Co. KS**

1801 Broadway # 900  
Denver CO. 80202-3858

**Nancy 1-22**

Job Ticket: 48321

**DST#: 2**

ATTN: Bruce Ard

Test Start: 2012.06.30 @ 19:50:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5300.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100% Mud with few oil spots	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8675

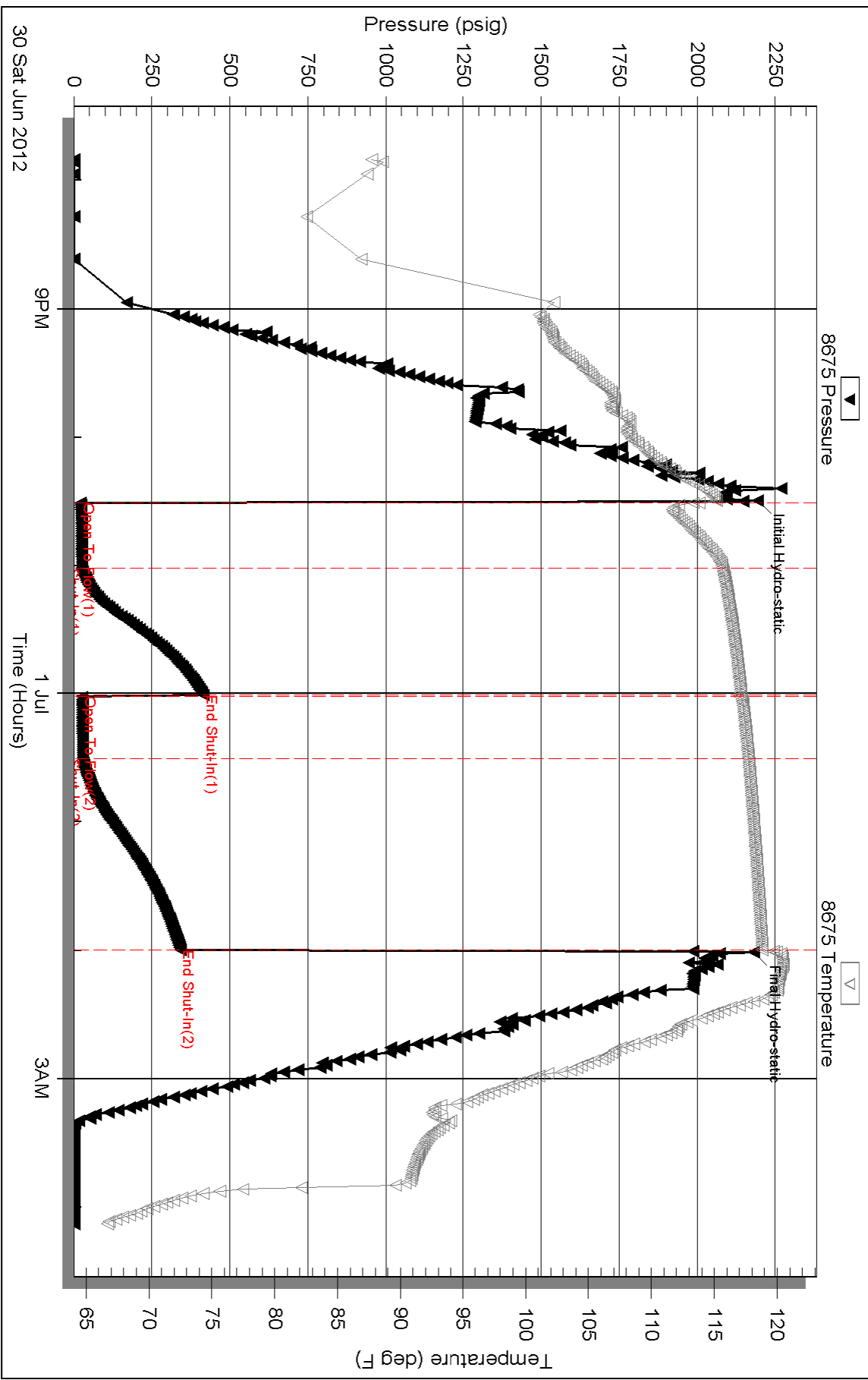
Inside

Crede Petroleum Corporation

Nancy 1-22

DST Test Number: 2

# Pressure vs. Time



Triobite Testing, Inc

Ref. No: 48321

Printed: 2012.07.01 @ 04:39:30

Serial #: 8650

Outside Credo Petroleum Corporation

Nancy 1-22

DST Test Number: 2

