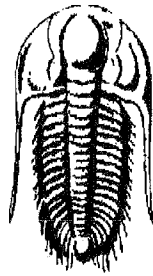


15-009-25342

9-19s-11w

IND



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Credo Petroleum Corporation**

1801 Broadway # 900
Denver, CO 80202

ATTN: Jim Musgrove

9-19s-11w Barton KS

Klepper CPC # 2-9

Start Date: 2009.09.23 @ 12:01:20

End Date: 2009.09.23 @ 18:27:20

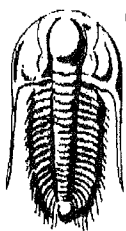
Job Ticket #: 36481

DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Credo Petroleum Corporation

1801 Broadway # 900
Denver, CO 80202

ATTN: Jim Musgrove

Klepper CPC # 2-9

9-19s-11w Barton KS

Job Ticket: 36481

DST#: 1

Test Start: 2009.09.23 @ 12:01:20

GENERAL INFORMATION:

Formation: **Lansing A-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:29:20

Time Test Ended: 18:27:20

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 45

Interval: **3049.00 ft (KB) To 3142.00 ft (KB) (TVD)**

Total Depth: 3142.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1772.00 ft (KB)

1764.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6798

Inside

Press@RunDepth: 71.24 psig @ 3056.00 ft (KB)

Start Date: 2009.09.23

End Date:

2009.09.23

Start Time: 12:01:21

End Time:

18:27:20

Capacity: 8000.00 psig

Last Calib.: 2009.09.23

Time On Btm: 2009.09.23 @ 13:27:50

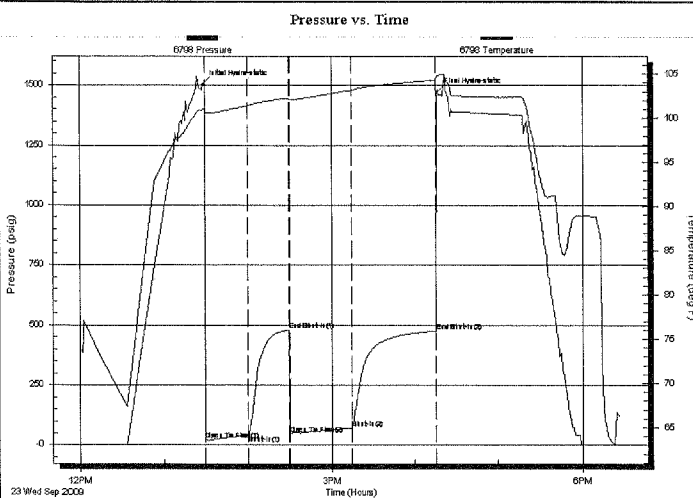
Time Off Btm: 2009.09.23 @ 16:17:20

TEST COMMENT: IF: Fair blow. B.O.B. in 14 mins.

IS: No blow.

FF: Weak blow. B.O.B. in 27 mins.

FS: No blow.



PRESSURE SUMMARY

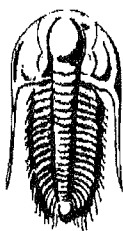
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1504.31	100.94	Initial Hydro-static
2	20.97	100.60	Open To Flow (1)
32	42.46	101.35	Shut-In (1)
61	479.97	102.23	End Shut-In (1)
62	47.29	102.03	Open To Flow (2)
107	71.24	103.12	Shut-In (2)
168	476.13	104.30	End Shut-In (2)
170	1473.70	104.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
105.00	VSG&WCM w/ oil specs 2%g 1%w	97.147
0.00	330' GIP	0.00

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Credo Petroleum Corporation

Klepper CPC # 2-9

1801 Broadway # 900
Denver, CO 80202

9-19s-11w Barton KS

Job Ticket: 36481

DST#: 1

ATTN: Jim Musgrove

Test Start: 2009.09.23 @ 12:01:20

Tool Information

Drill Pipe:	Length: 3056.00 ft	Diameter: 3.80 inches	Volume: 42.87 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	35000.00 lb
			Total Volume: 42.87 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	32000.00 lb
Depth to Top Packer:	3049.00 ft			Final	32000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	93.00 ft				
Tool Length:	113.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3034.00	
Hydraulic tool	5.00			3039.00	
Packer	5.00			3044.00	20.00 Bottom Of Top Packer
Packer	5.00			3049.00	
Stubb	1.00			3050.00	
Perforations	5.00			3055.00	
Change Over Sub	1.00			3056.00	
Recorder	0.00	6798	Inside	3056.00	
Recorder	0.00	8367	Inside	3056.00	
Blank Spacing	63.00			3119.00	
Change Over Sub	1.00			3120.00	
Perforations	19.00			3139.00	
Bullnose	3.00			3142.00	93.00 Bottom Packers & Anchor

Total Tool Length: 113.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Credo Petroleum Corporation

Klepper CPC # 2-9

1801 Broadway # 900
Denver, CO 80202

9-19s-11w Barton KS

Job Ticket: 36481

DST#: 1

ATTN: Jim Musgrove

Test Start: 2009.09.23 @ 12:01:20

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: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.36 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
105.00	VSG&WCM w/ oil specs 2%g 1%w 97%m	1.473
0.00	330' GIP	0.000

Total Length: 105.00 ft Total Volume: 1.473 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

