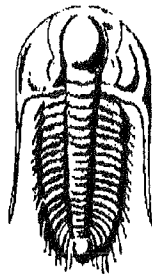


15-009-25319

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 #1-9

Start Date: 2009.06.07 @ 06:28:40

End Date: 2009.06.07 @ 13:15:40

Job Ticket #: 36144 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Credo Petroleum Corporation

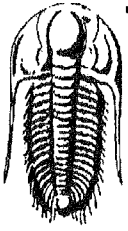
Klepper CPC #1-9

9-19s-11w Barton KS

DST # 1

"A-E"

2009.06.07



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Credo Petroleum Corporation

1801 Broadway
#900
Denver, CO 80202
ATTN: Jim Musgrove

Klepper CPC #1-9

9-19s-11w Barton KS

Job Ticket: 36144

DST#: 1

Test Start: 2009.06.07 @ 06:28:40

GENERAL INFORMATION:

Formation: "A-E"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:27:10

Time Test Ended: 13:15:40

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: 3059.00 ft (KB) To 3136.00 ft (KB) (TVD)

Total Depth: 3136.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1775.00 ft (KB)

1768.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8360

Inside

Press@RunDepth: 55.03 psig @ 3061.00 ft (KB)

Start Date: 2009.06.07

End Date: 2009.06.07

Start Time: 06:28:42

End Time: 13:15:40

Capacity: 7000.00 psig

Last Calib.: 2009.06.07

Time On Btm: 2009.06.07 @ 08:26:10

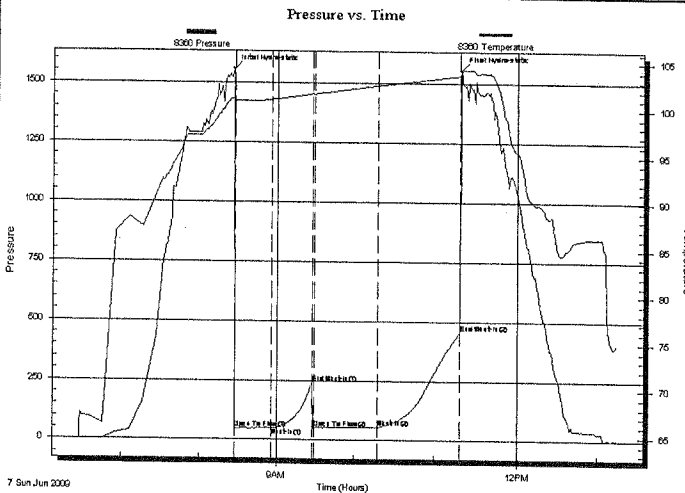
Time Off Btm: 2009.06.07 @ 11:19:10

TEST COMMENT: IFP-Weak Blow ,Built to 2"

ISI-Dead

FFP-Weak Blow ,Built to 1-1/4"

FSI-Dead



PRESSURE SUMMARY

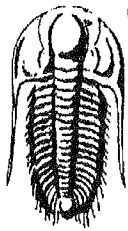
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1556.55	101.23	Initial Hydro-static
1	47.14	100.79	Open To Flow (1)
30	49.52	101.07	Shut-In(1)
61	240.95	101.71	End Shut-In(1)
63	51.92	101.67	Open To Flow (2)
112	55.03	102.60	Shut-In(2)
173	452.54	103.69	End Shut-In(2)
173	1554.96	104.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud W/Oil Scum	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Credo Petroleum Corporation

Klepper CPC #1-9

1801 Broadway
#900

9-19s-11w Barton KS

Denver, CO 80202

Job Ticket: 36144

DST#: 1

ATTN: Jim Musgrove

Test Start: 2009.06.07 @ 06:28:40

Tool Information

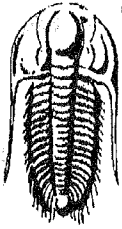
Drill Pipe:	Length: 3083.00 ft	Diameter: 3.80 inches	Volume: 43.25 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 43.25 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	45.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3059.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	77.00 ft			
Tool Length:	98.00 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			3039.00	
Shut In Tool	5.00			3044.00	
Hydraulic tool	5.00			3049.00	
Packer	5.00			3054.00	21.00 Bottom Of Top Packer
Packer	5.00			3059.00	
Stubb	1.00			3060.00	
Perforations	1.00			3061.00	
Recorder	0.00	8360	Inside	3061.00	
Change Over Sub	1.00			3062.00	
Recorder	0.00	6755	Inside	3062.00	
Blank Spacing	61.00			3123.00	
Change Over Sub	1.00			3124.00	
Perforations	9.00			3133.00	
Bullnose	3.00			3136.00	77.00 Bottom Packers & Anchor

Total Tool Length: 98.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Credo Petroleum Corporation

Klepper CPC #1-9

1801 Broadway

9-19s-11w Barton KS

#900

Job Ticket: 36144

DST#: 1

Denver, CO 80202

Test Start: 2009.06.07 @ 06:28:40

ATTN: Jim Musgrove

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: 41.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4700.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud W/Oil Scum	0.281

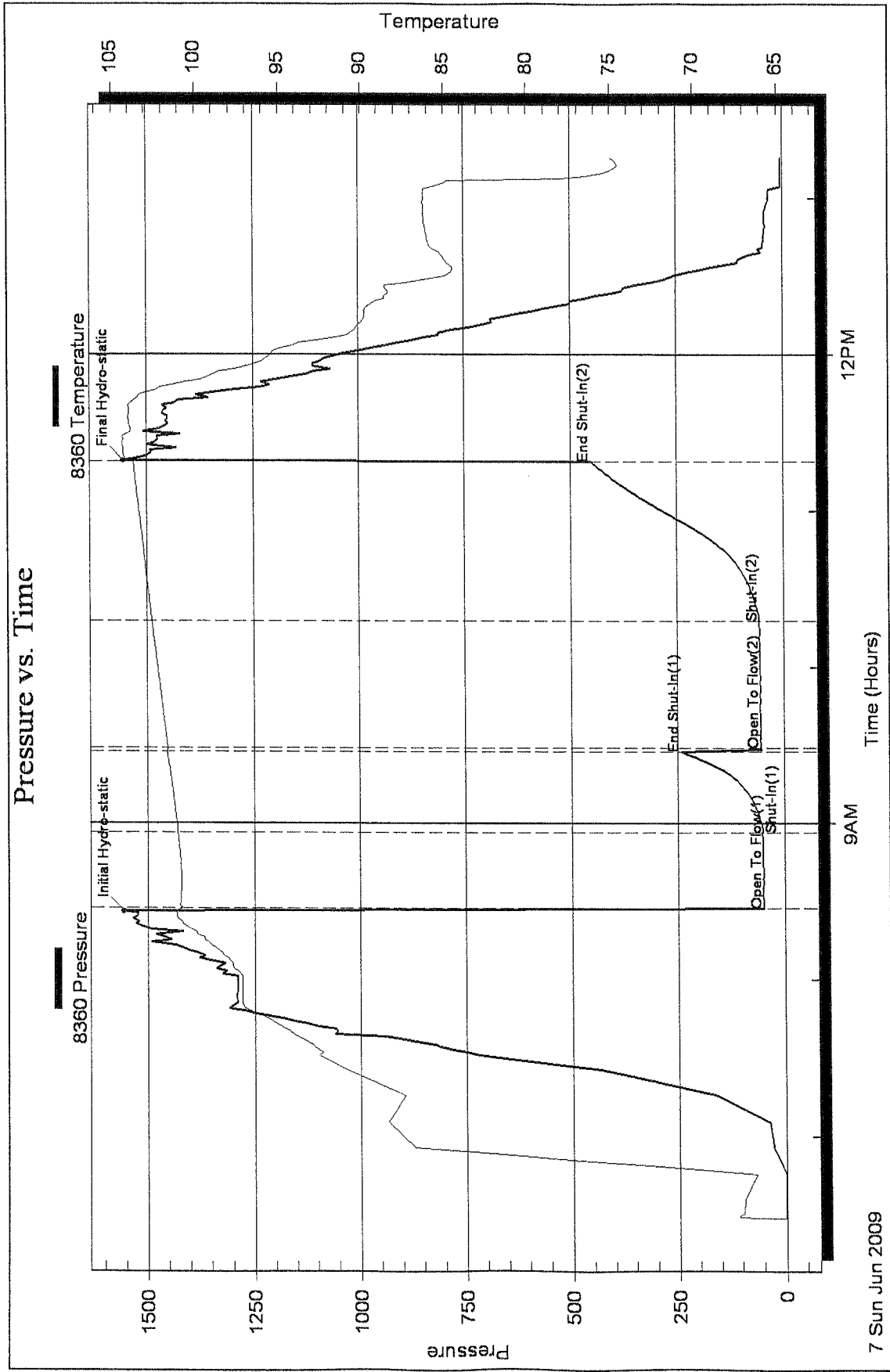
Total Length: 20.00 ft Total Volume: 0.281 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time

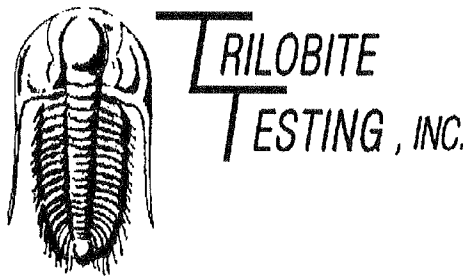


7 Sun Jun 2009

12PM

9AM

Time (Hours)



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 #1-9

Start Date: 2009.06.07 @ 22:18:10

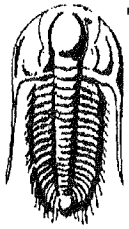
End Date: 2009.06.08 @ 05:11:40

Job Ticket #: 36145 DST #: 2

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

Klepper CPC #1-9

1801 Broadway
#900
Denver, CO 80202
ATTN: Jim Musgrove

9-19s-11w Barton KS

Job Ticket: 36145 **DST#: 2**

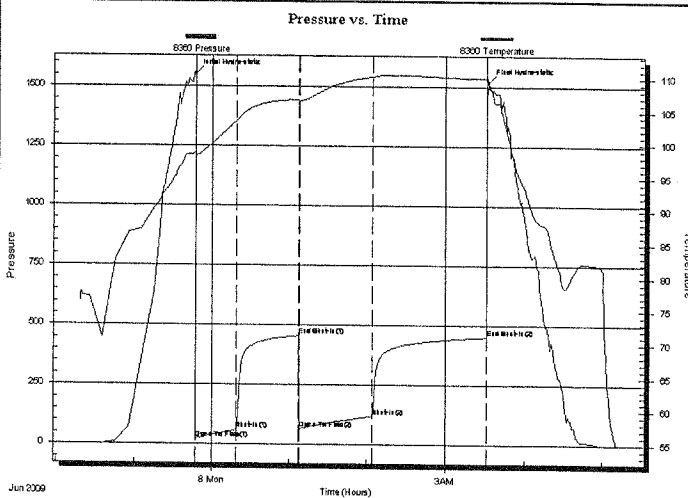
Test Start: 2009.06.07 @ 22:18:10

GENERAL INFORMATION:

Formation: "F"
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:48:10 Test Type: Conventional Bottom Hole
 Time Test Ended: 05:11:40 Tester: Jason McLemore
 Unit No: 32
 Interval: 3133.00 ft (KB) To 3154.00 ft (KB) (TVD) Reference Elevations: 1775.00 ft (KB)
 Total Depth: 3154.00 ft (KB) (TVD) 1768.00 ft (CF)
 Hole Diameter: 7.80 inches Hole Condition: Good KB to GR/CF: 7.00 ft

Serial #: 8360 Inside
 Press@RunDepth: 119.94 psig @ 3137.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2009.06.07 End Date: 2009.06.08 Last Calib.: 2009.06.08
 Start Time: 22:18:12 End Time: 05:11:40 Time On Btm: 2009.06.07 @ 23:47:40
 Time Off Btm: 2009.06.08 @ 03:32:40

TEST COMMENT: IFP-Good Blow ,Built to 10"
 ISI-Dead
 FFP-Good Blow ,BOB in 48 Mn.
 FSI-Dead



PRESSURE SUMMARY

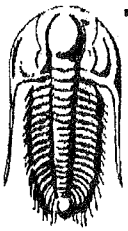
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1554.10	98.67	Initial Hydro-static
1	20.34	98.23	Open To Flow (1)
32	62.30	103.52	Shut-In(1)
80	455.72	106.70	End Shut-In(1)
81	66.07	106.55	Open To Flow (2)
137	119.94	110.13	Shut-In(2)
224	451.38	109.90	End Shut-In(2)
225	1521.27	108.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
195.00	Muddy Water-90%W-10%M	2.74

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Credo Petroleum Corporation

Klepper CPC #1-9

1801 Broadway
#900
Denver, CO 80202
ATTN: Jim Musgrove

9-19s-11w Barton KS

Job Ticket: 36145

DST#: 2

Test Start: 2009.06.07 @ 22:18:10

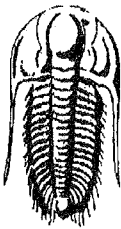
Tool Information

Drill Pipe:	Length: 3123.00 ft	Diameter: 3.80 inches	Volume: 43.81 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			Total Volume: 43.81 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3133.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	42.00 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			3113.00	
Shut In Tool	5.00			3118.00	
Hydraulic tool	5.00			3123.00	
Packer	5.00			3128.00	21.00 Bottom Of Top Packer
Packer	5.00			3133.00	
Stubb	1.00			3134.00	
Perforations	3.00			3137.00	
Recorder	0.00	8360	Inside	3137.00	
Recorder	0.00	6755	Inside	3137.00	
Perforations	14.00			3151.00	
Bullnose	3.00			3154.00	21.00 Bottom Packers & Anchor

Total Tool Length: 42.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Credo Petroleum Corporation

Klepper CPC #1-9

1801 Broadway
#900
Denver, CO 80202
ATTN: Jim Musgrove

9-19s-11w Barton KS
Job Ticket: 36145 **DST#: 2**
Test Start: 2009.06.07 @ 22:18:10

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:	33000 ppm
Viscosity: 41.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.17 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4700.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
195.00	Muddy Water-90%W-10%M	2.735

Total Length: 195.00 ft Total Volume: 2.735 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW .120 @ 53F = 33000 chlorides

Pressure vs. Time

