

**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Credo Petroleum Corp.**

1801 Broadway #900  
Denver Co. 80202

ATTN: Bruce Ard

**34-16s-29w Lane,KS**

**Holloman 1-34**

Start Date: 2011.03.14 @ 23:18:15

End Date: 2011.03.15 @ 06:36:00

Job Ticket #: 042152      DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Credo Petroleum Corp.

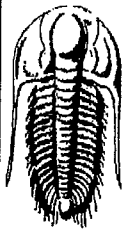
Holloman 1-34

34-16s-29w Lane,KS

DST # 1

K-Marmaton

2011.03.14



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Credo Petroleum Corp.

**Holloman 1-34**

1801 Broadway #900  
Denver Co. 80202

**34-16s-29w Lane, KS**

Job Ticket: 042152      DST#: 1

ATTN: Bruce Ard

Test Start: 2011.03.14 @ 23:18:15

## GENERAL INFORMATION:

Formation: **K- Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:34:00

Time Test Ended: 06:36:00

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 48

Interval: **4219.00 ft (KB) To 4336.00 ft (KB) (TVD)**

Reference Elevations: 2807.00 ft (KB)

Total Depth: **4336.00 ft (KB) (TVD)**

2802.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 6669**

**Outside**

Press@RunDepth: 107.69 psig @ 4331.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.03.14

End Date:

2011.03.15

Last Calib.:

2011.03.15

Start Time: 23:18:15

End Time:

06:36:00

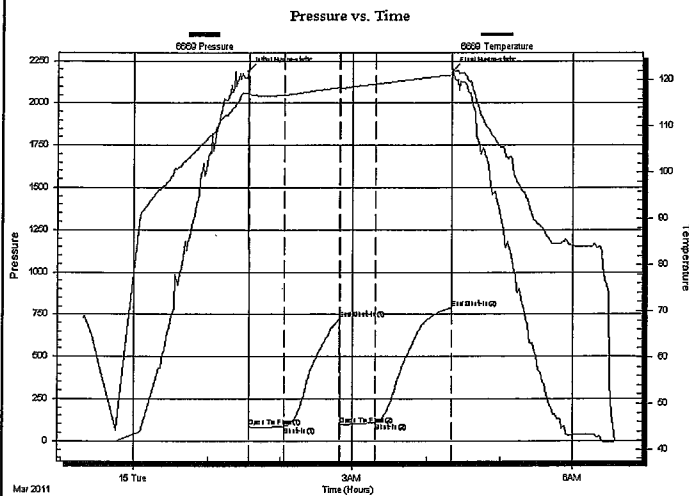
Time On Btm:

2011.03.15 @ 01:33:15

Time Off Btm:

2011.03.15 @ 04:20:45

**TEST COMMENT:** IF: Built to 1" blow  
IS: No return blow  
FF: Built to 2" blow  
FS: no return blow



## PRESSURE SUMMARY

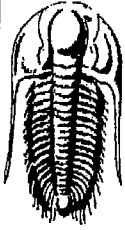
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2190.00	117.12	Initial Hydro-static
1	82.45	116.88	Open To Flow (1)
30	87.61	116.76	Shut-In(1)
76	722.12	118.42	End Shut-In(1)
77	95.88	118.25	Open To Flow (2)
105	107.69	119.14	Shut-In(2)
167	787.12	121.07	End Shut-In(2)
168	2191.34	121.79	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
70.00	gcom 5%g 5%o 90% m	0.34

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Credo Petroleum Corp.

**Holloman 1-34**

1801 Broadway #900  
Denver Co. 80202

**34-16s-29w Lane,KS**

Job Ticket: 042152

**DST#: 1**

ATTN: Bruce Ard

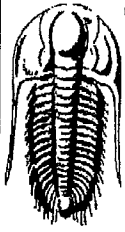
Test Start: 2011.03.14 @ 23:18:15

## Tool Information

Drill Pipe:	Length: 4097.00 ft	Diameter: 3.80 inches	Volume: 57.47 bbl	Tool Weight: 1500.00 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 58.07 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4219.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	117.00 ft			
Tool Length:	145.00 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			4192.00	
Shut In Tool	5.00			4197.00	
Hydraulic tool	5.00			4202.00	
Jars	5.00			4207.00	
Safety Joint	3.00			4210.00	
Packer	5.00			4215.00	28.00 Bottom Of Top Packer
Packer	4.00			4219.00	
Stubb	1.00			4220.00	
Perforations	5.00			4225.00	
Change Over Sub	1.00			4226.00	
Drill Pipe	63.00			4289.00	
Drill Pipe	31.00			4320.00	
Change Over Sub	1.00			4321.00	
Perforations	10.00			4331.00	
Recorder	0.00	8358	Outside	4331.00	
Recorder	0.00	6669	Outside	4331.00	
Bullnose	5.00			4336.00	117.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>145.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Credo Petroleum Corp.  
1801 Broadway #900  
Denver Co. 80202  
ATTN: Bruce Ard

**Holloman 1-34**  
**34-16s-29w Lane, KS**  
Job Ticket: 042152      DST#: 1  
Test Start: 2011.03.14 @ 23:18:15

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.16 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 900.00 ppm			
Filter Cake: 1.00 inches			

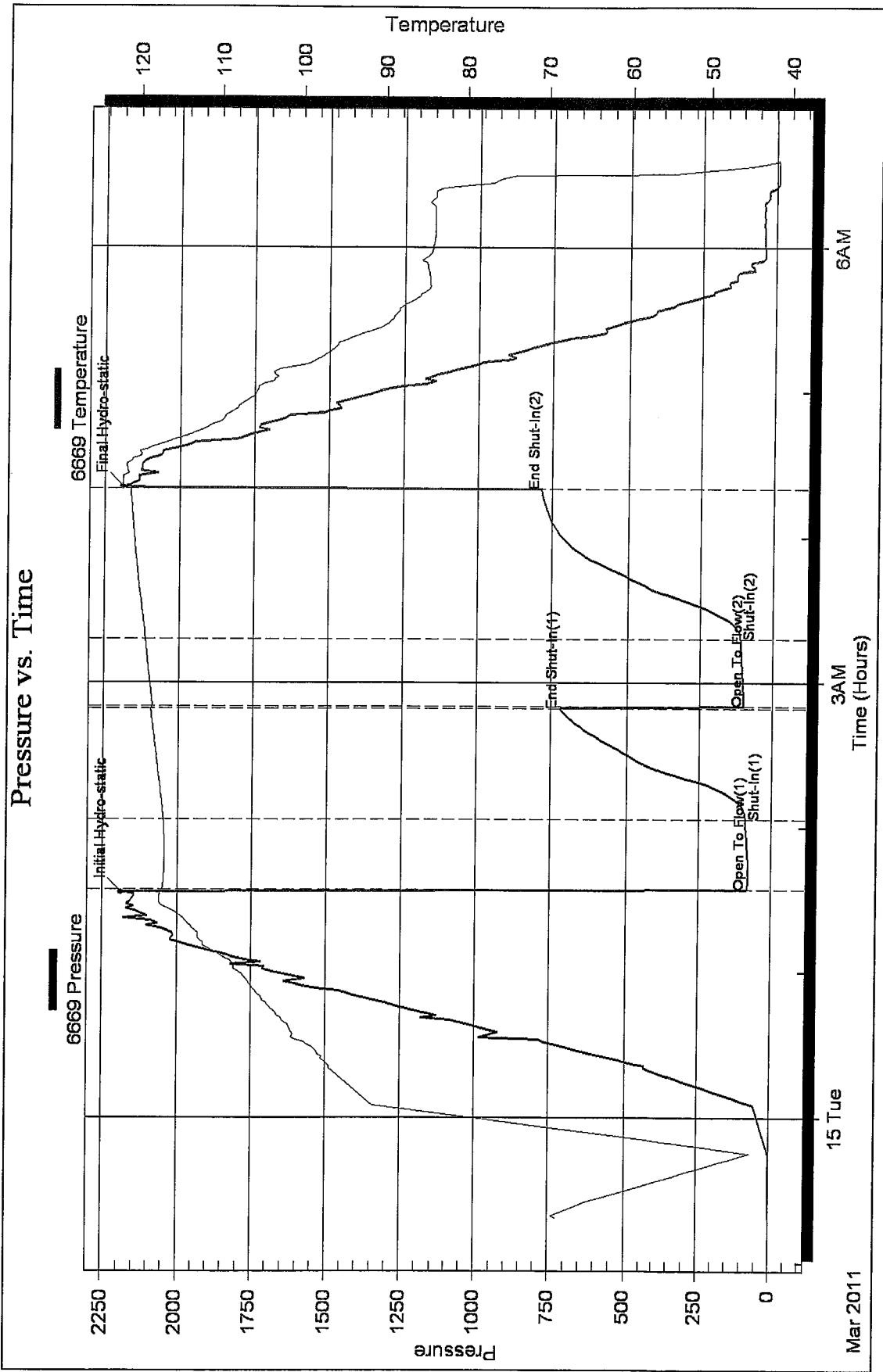
**Recovery Information**

Recovery Table

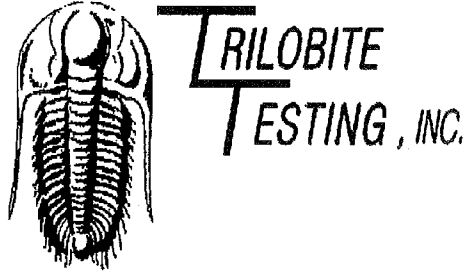
Length ft	Description	Volume bbl
70.00	gcom 5%g 5%o 90% m	0.344

Total Length: 70.00 ft      Total Volume: 0.344 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

### Pressure vs. Time







## DRILL STEM TEST REPORT

Prepared For: **Credo Petroleum Corp.**

1801 Broadway #900  
Denver Co. 80202

ATTN: Bruce Ard

**34-16s-29w Lane,KS**

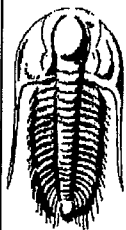
**Holloman 1-34**

Start Date: 2011.03.15 @ 18:47:15

End Date: 2011.03.16 @ 02:05:30

Job Ticket #: 042153      DST #: 2

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
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# DRILL STEM TEST REPORT

Credo Petroleum Corp.

1801 Broadway #900  
Denver Co. 80202

ATTN: Bruce Ard

**Holloman 1-34**

**34-16s-29w Lane, KS**

Job Ticket: 042153      DST#: 2

Test Start: 2011.03.15 @ 18:47:15

## GENERAL INFORMATION:

Formation: **Marmaton-Ft.Scott**

Deviated: No Whipstock:                      ft (KB)

Time Tool Opened: 20:23:00

Time Test Ended: 02:05:30

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 48

Interval: **4328.00 ft (KB) To 4455.00 ft (KB) (TVD)**

Total Depth: **4455.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: Fair

Reference Elevations: **2807.00 ft (KB)**

**2802.00 ft (CF)**

KB to GR/CF: **5.00 ft**

**Serial #: 6669**

**Outside**

Press@RunDepth: 133.05 psig @ 4450.00 ft (KB)

Start Date: 2011.03.15      End Date: 2011.03.16

Start Time: 18:47:15      End Time: 02:05:30

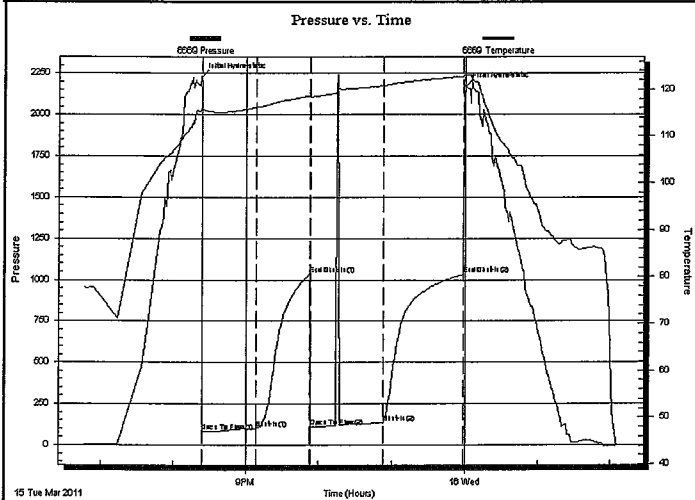
Capacity: 8000.00 psig

Last Calib.: 2011.03.16

Time On Btm: 2011.03.15 @ 20:22:45

Time Off Btm: 2011.03.16 @ 00:00:00

**TEST COMMENT:** IF: Built to 2" blow  
IS: No return blow  
FF: No blow --- flushed tool --- Surged and died  
FS: No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2226.50	116.07	Initial Hydro-static
1	80.96	115.77	Open To Flow (1)
47	102.02	116.11	Shut-In(1)
91	1034.52	118.60	End Shut-In(1)
91	108.67	118.42	Open To Flow (2)
150	133.05	120.77	Shut-In(2)
216	1032.92	122.74	End Shut-In(2)
218	2170.65	122.92	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud with oil spots	0.30

## Gas Rates

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





**TRILOBITE  
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## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Credo Petroleum Corp.

**Holloman 1-34**

1801 Broadway #900  
Denver Co. 80202

**34-16s-29w Lane,KS**

Job Ticket: 042153

**DST#: 2**

ATTN: Bruce Ard

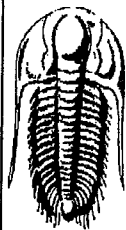
Test Start: 2011.03.15 @ 18:47:15

### Tool Information

Drill Pipe:	Length: 4197.00 ft	Diameter: 3.80 inches	Volume: 58.87 bbl	Tool Weight: 1500.00 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 60000.00 lb
			<b>Total Volume: 59.47 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4328.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	127.00 ft			
Tool Length:	155.00 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			4301.00	
Shut In Tool	5.00			4306.00	
Hydraulic tool	5.00			4311.00	
Jars	5.00			4316.00	
Safety Joint	3.00			4319.00	
Packer	5.00			4324.00	28.00 Bottom Of Top Packer
Packer	4.00			4328.00	
Stubb	1.00			4329.00	
Perforations	5.00			4334.00	
Change Over Sub	1.00			4335.00	
Drill Pipe	63.00			4398.00	
Drill Pipe	32.00			4430.00	
Change Over Sub	1.00			4431.00	
Perforations	19.00			4450.00	
Recorder	0.00	8358	Outside	4450.00	
Recorder	0.00	6669	Outside	4450.00	
Bullnose	5.00			4455.00	127.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>155.00</b>				



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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Credo Petroleum Corp.

**Holloman 1-34**

1801 Broadway #900  
Denver Co. 80202

**34-16s-29w Lane, KS**

Job Ticket: 042153      DST#: 2

ATTN: Bruce Ard

Test Start: 2011.03.15 @ 18:47:15

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.16 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 900.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	mud with oil spots	0.295

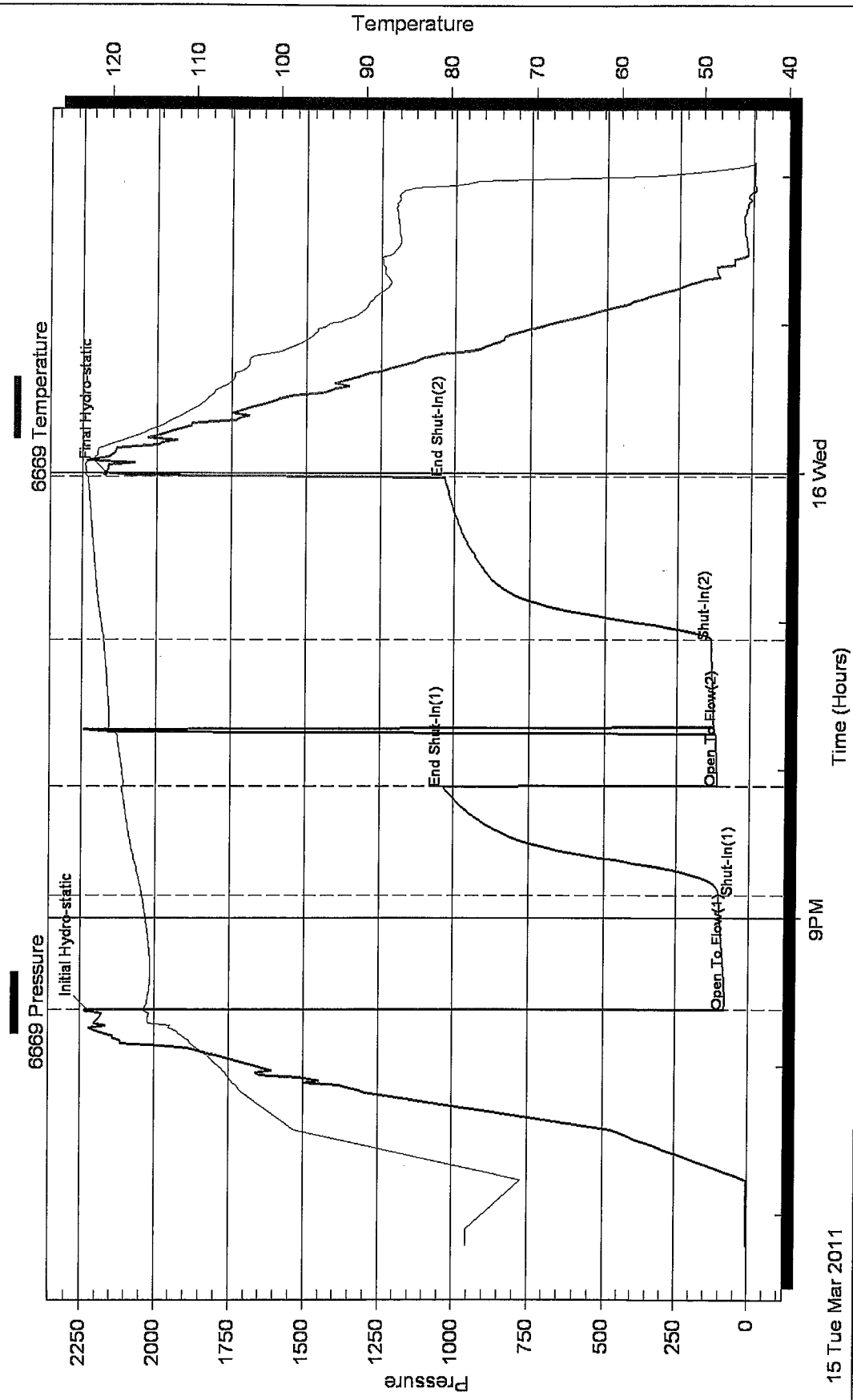
Total Length: 60.00 ft      Total Volume: 0.295 bbl

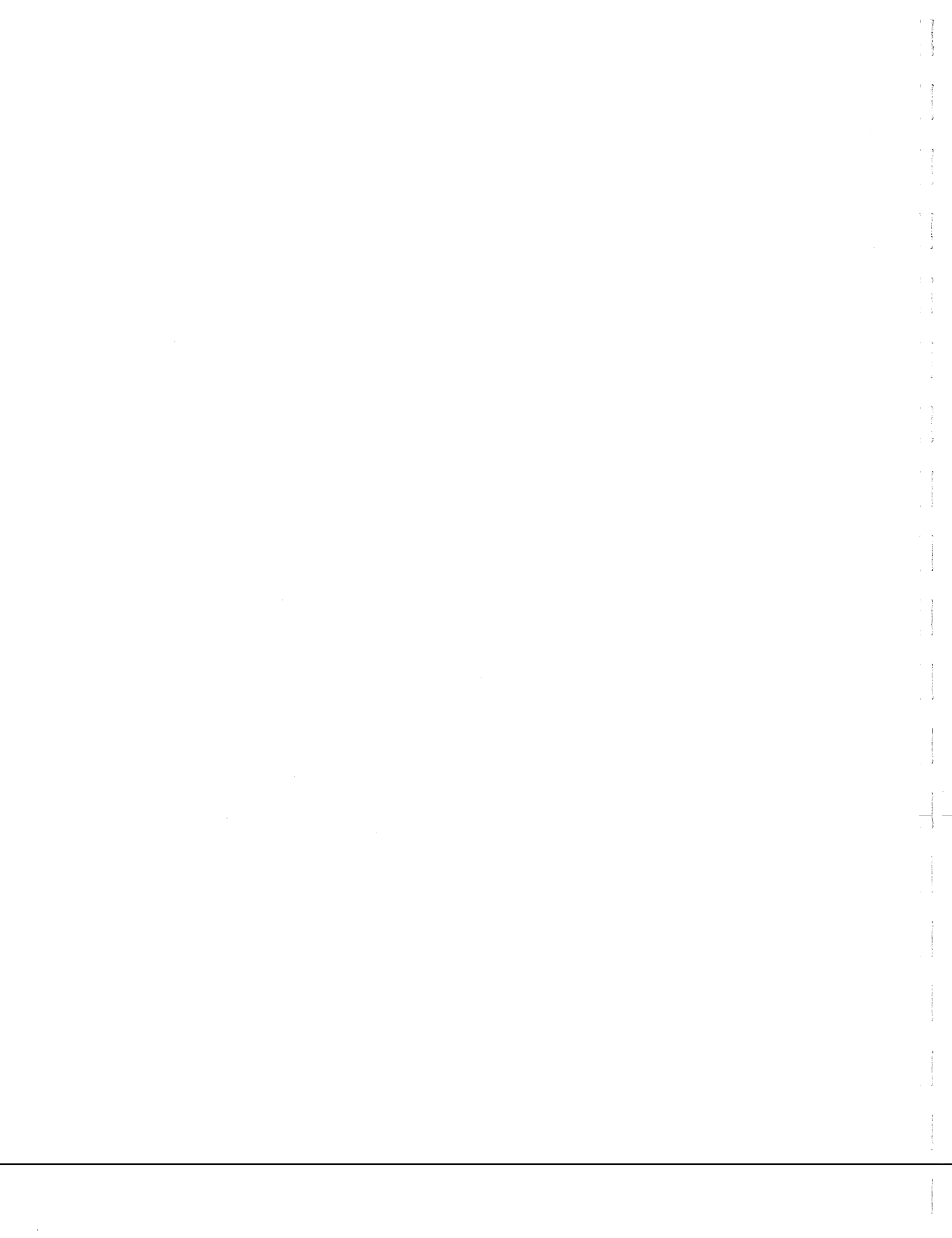
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

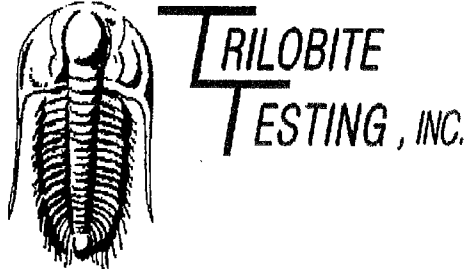
Laboratory Name:      Laboratory Location:

Recovery Comments:

### Pressure vs. Time







## DRILL STEM TEST REPORT

Prepared For: **Credo Petroleum Corp.**

1801 Broadway #900  
Denver Co. 80202

ATTN: Bruce Ard

**34-16s-29w Lane,KS**

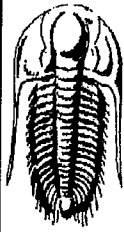
**Holloman 1-34**

Start Date: 2011.03.16 @ 17:24:00

End Date: 2011.03.17 @ 02:33:00

Job Ticket #: 042154      DST #: 3

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 Corp.

1801 Broadway #900  
Denver Co. 80202

ATTN: Bruce Ard

**Holloman 1-34**

**34-16s-29w Lane, KS**

Job Ticket: 042154

DST#: 3

Test Start: 2011.03.16 @ 17:24:00

## GENERAL INFORMATION:

Formation: **CK-JZ**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:26:00

Time Test Ended: 02:33:00

Interval: **4456.00 ft (KB) To 4556.00 ft (KB) (TVD)**

Total Depth: **4556.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Kein Mack

Unit No: 48

Reference Elevations: 2807.00 ft (KB)

2802.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6669** Outside

Press@RunDepth: 404.28 psig @ 4551.00 ft (KB)

Start Date: 2011.03.16

End Date: 2011.03.17

Capacity: 8000.00 psig

Last Calib.: 2011.03.17

Start Time: 17:24:15

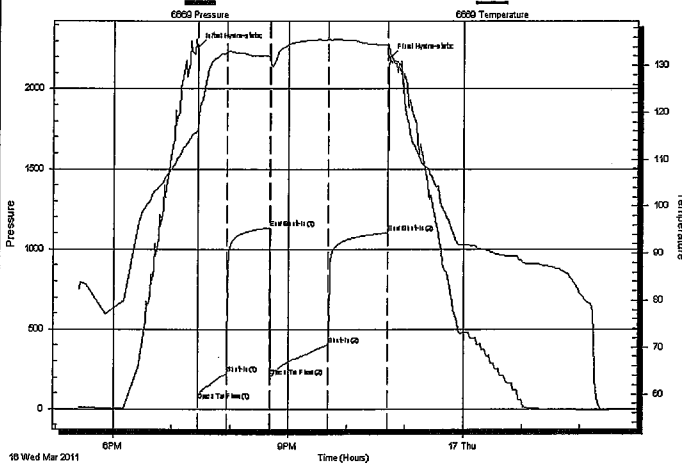
End Time: 02:33:00

Time On Btm: 2011.03.16 @ 19:25:45

Time Off Btm: 2011.03.16 @ 22:44:15

**TEST COMMENT:** IF: BOB in 6 minutes  
IS: Return started at 10 Minutes, Built to 1/4" then died  
FF: BOB in 9 min  
FS: Return started at 5 minutes built to BoB in 30 minutes

Pressure vs. Time



## PRESSURE SUMMARY

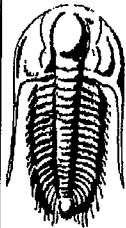
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2261.76	116.13	Initial Hydro-static
1	51.41	115.89	Open To Flow (1)
31	220.88	132.71	Shut-In(1)
75	1131.49	131.96	End Shut-In(1)
77	206.03	130.28	Open To Flow (2)
136	404.28	135.48	Shut-In(2)
197	1101.67	134.30	End Shut-In(2)
199	2197.60	132.94	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	MV 25M 75W (oil spots)	0.59
150.00	GMCWO 30W 20M 30o 20G	2.09
124.00	GMCWO 25W 10M 50o 15G	1.74
124.00	GMCWO 10W 25M 50o 20G	1.74
80.00	GOCM 75m 5o 20G	1.12
402.00	Clean gassy oil 100o	5.64

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Credo Petroleum Corp.

**Holloman 1-34**

1801 Broadway #900  
Denver Co. 80202

**34-16s-29w Lane, KS**

Job Ticket: 042154

**DST#: 3**

ATTN: Bruce Ard

Test Start: 2011.03.16 @ 17:24:00

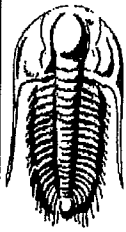
### Tool Information

Drill Pipe:	Length: 4321.00 ft	Diameter: 3.80 inches	Volume: 60.61 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: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 61.21 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	4456.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	100.00 ft			
Tool Length:	128.00 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			4429.00	
Shut In Tool	5.00			4434.00	
Hydraulic tool	5.00			4439.00	
Jars	5.00			4444.00	
Safety Joint	3.00			4447.00	
Packer	5.00			4452.00	28.00 Bottom Of Top Packer
Packer	4.00			4456.00	
Stubb	1.00			4457.00	
Perforations	30.00			4487.00	
Change Over Sub	1.00			4488.00	
Drill Pipe	62.00			4550.00	
Change Over Sub	1.00			4551.00	
Recorder	0.00	8358	Outside	4551.00	
Recorder	0.00	6669	Outside	4551.00	
Bullnose	5.00			4556.00	100.00 Bottom Packers & Anchor

**Total Tool Length: 128.00**



**TRILOBITE  
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# DRILL STEM TEST REPORT

## FLUID SUMMARY

Credo Petroleum Corp.

**Holloman 1-34**

1801 Broadway #900  
Denver Co. 80202

**34-16s-29w Lane, KS**

Job Ticket: 042154

DST#: 3

ATTN: Bruce Ard

Test Start: 2011.03.16 @ 17:24:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

45000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4300.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MW 25M 75W (oil spots)	0.590
150.00	GMCWO 30W 20M 30o 20G	2.086
124.00	GMCWO 25W 10M 50o 15G	1.739
124.00	GMCWO 10W 25M 50o 20G	1.739
80.00	GOCM 75m 5o 20G	1.122
402.00	Clean gassy oil 100o	5.639
0.00	1054' GIP	0.000

Total Length: 1000.00 ft      Total Volume: 12.915 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

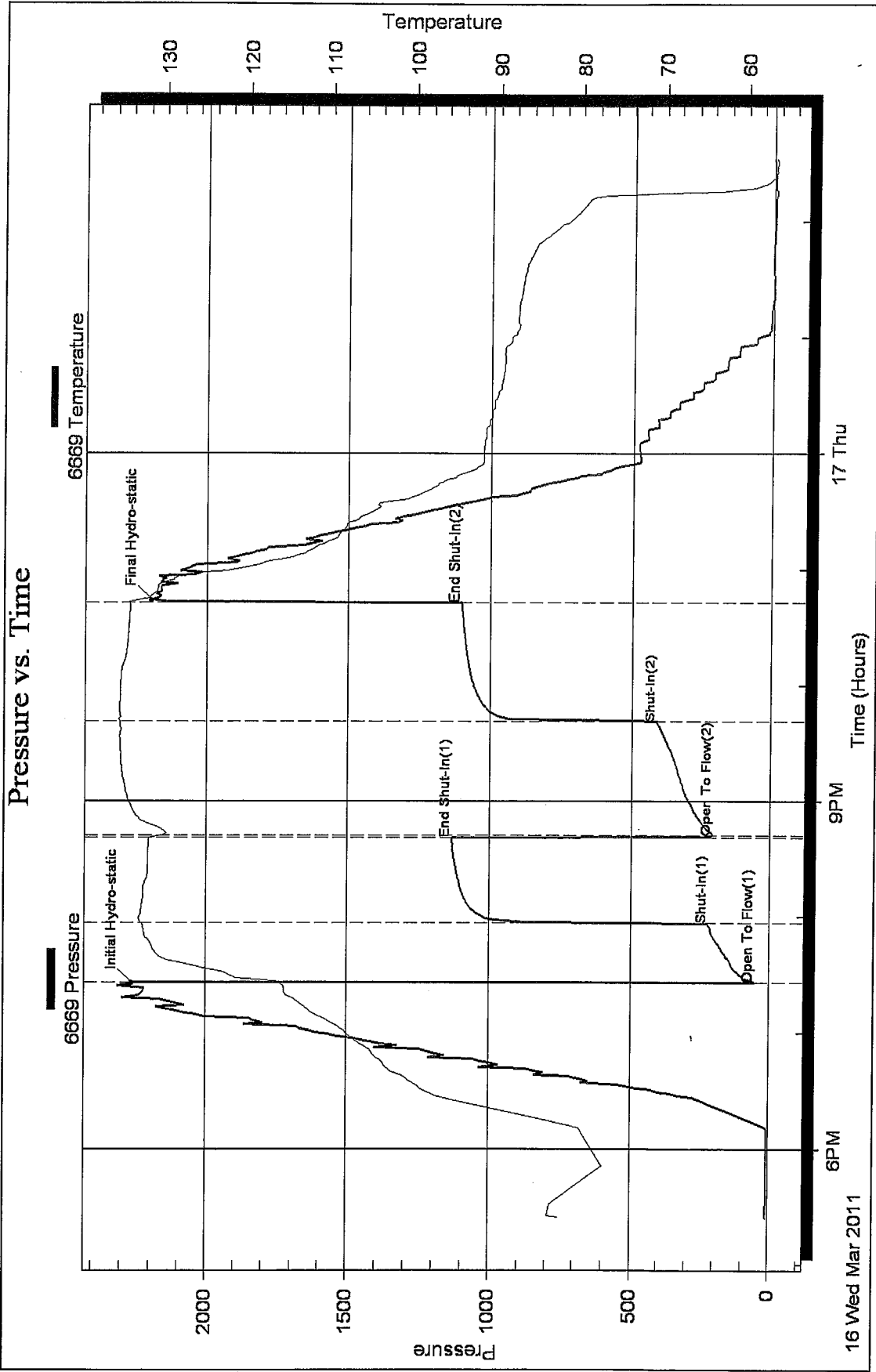
Laboratory Name:

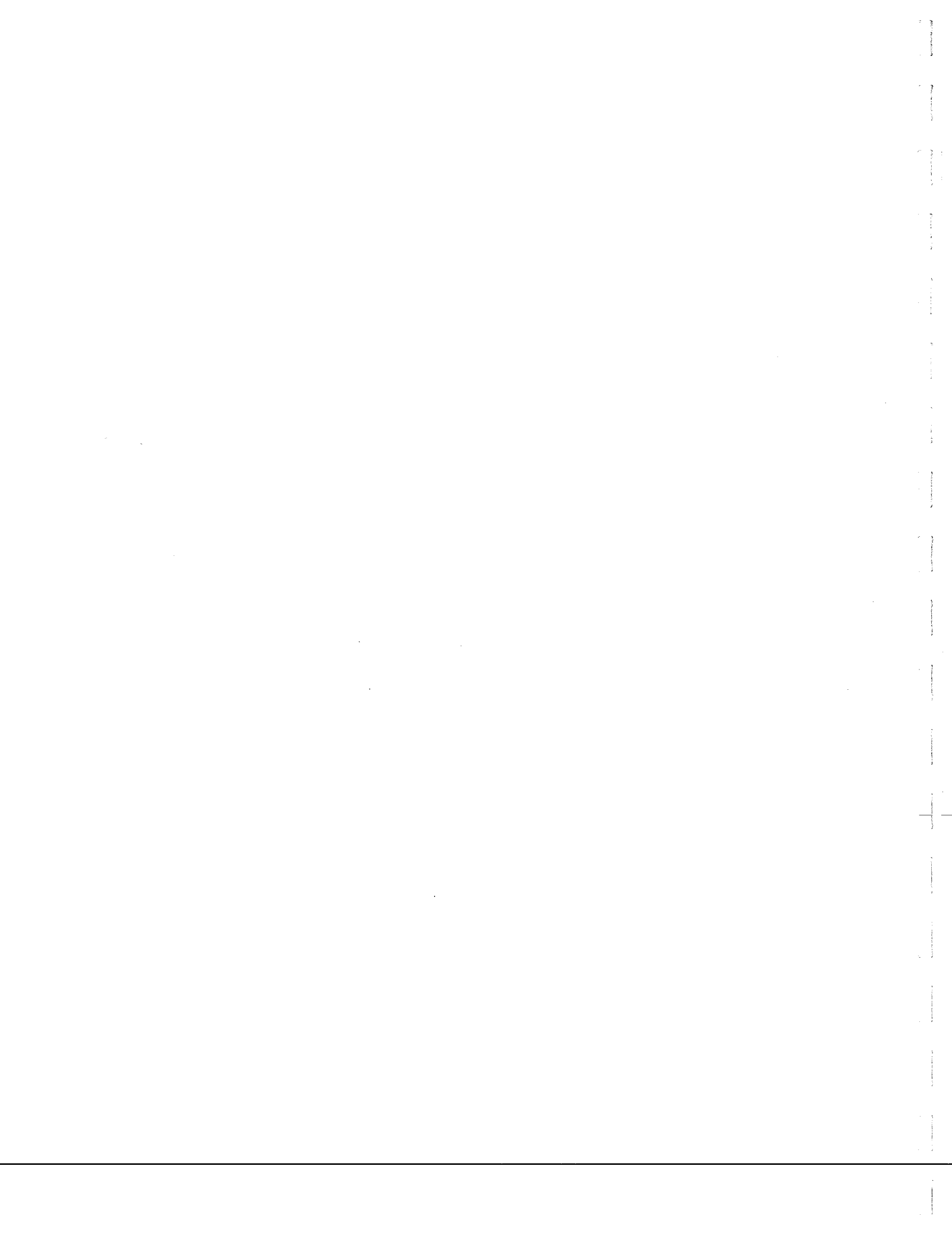
Laboratory Location:

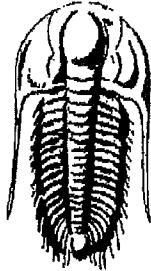
Recovery Comments: RW .2@62=45000 Gravity 31@ 62=31



### Pressure vs. Time







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Credo Petroleum Corp.**

1801 Broadway #900  
Denver Co. 80202

ATTN: Bruce Ard

**34-16s-29w Lane,KS**

**Holloman 1-34**

Start Date: 2011.03.17 @ 10:43:00

End Date: 2011.03.17 @ 19:29:08

Job Ticket #: 042155      DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Credo Petroleum Corp.

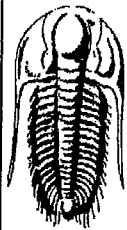
Holloman 1-34

34-16s-29w Lane,KS

DST # 4

Miss.

2011.03.17



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

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 1801 Broadway #900  
 Denver Co. 80202  
 ATTN: Bruce Ard

**Holloman 1-34**  
**34-16s-29w Lane, KS**  
 Job Ticket: 042155      DST#: 4  
 Test Start: 2011.03.17 @ 10:43:00

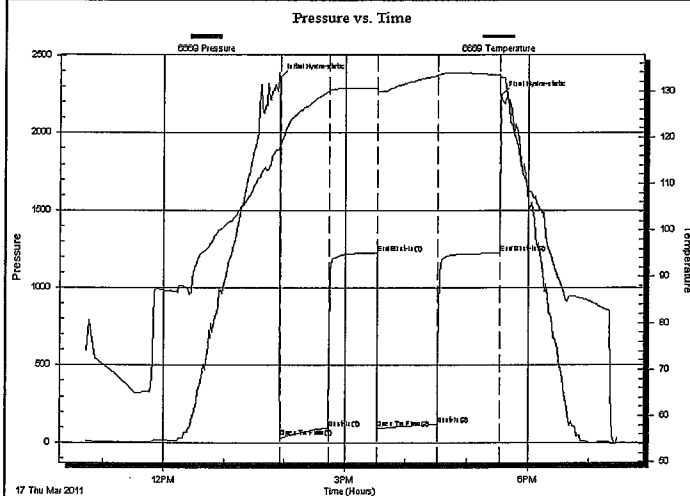
## GENERAL INFORMATION:

Formation: **Miss.**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 13:55:53  
 Time Test Ended: 19:29:08  
 Interval: **4578.00 ft (KB) To 4589.00 ft (KB) (TVD)**  
 Total Depth: **4589.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Good**  
 Test Type: **Conventional Bottom Hole**  
 Tester: **Kevin Mack**  
 Unit No: **48**  
 Reference Elevations: **2807.00 ft (KB)**  
**2802.00 ft (CF)**  
 KB to GR/CF: **5.00 ft**

**Serial #: 6669**      **Outside**  
 Press@RunDepth: **116.78 psig @ 4584.00 ft (KB)**      Capacity: **8000.00 psig**  
 Start Date: **2011.03.17**      End Date: **2011.03.17**  
 Start Time: **10:43:15**      End Time: **19:29:08**  
 Time On Btm: **2011.03.17 @ 13:55:23**  
 Time Off Btm: **2011.03.17 @ 17:33:38**

**TEST COMMENT:** IF: Surface blow Built to 4 3/4"  
 IS: No Return  
 FF: Blow started at 15 min. Built to 2 1/4"  
 FS: No Return

## PRESSURE SUMMARY



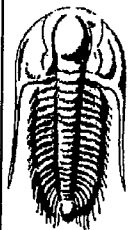
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2358.82	118.36	Initial Hydro-static
1	33.74	118.55	Open To Flow (1)
49	91.85	129.87	Shut-In(1)
97	1225.99	130.42	End Shut-In(1)
97	93.84	130.17	Open To Flow (2)
156	116.78	133.19	Shut-In(2)
218	1225.21	133.43	End Shut-In(2)
219	2245.06	132.98	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	VM 20W 80M	0.30
60.00	MV 90W 10M	0.30
62.00	MV 70W 30M	0.85
8.00	MV 60W 40M	0.11
2.00	Free oil 100o	0.03

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Credo Petroleum Corp.

**Holloman 1-34**

1801 Broadway #900  
Denver Co. 80202

**34-16s-29w Lane,KS**

Job Ticket: 042155      **DST#: 4**

ATTN: Bruce Ard

Test Start: 2011.03.17 @ 10:43:00

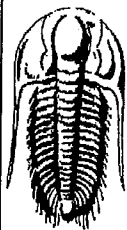
**Tool Information**

Drill Pipe:	Length: 4443.00 ft	Diameter: 3.80 inches	Volume: 62.32 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: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 58000.00 lb
			<b>Total Volume: 62.92 bbl</b>	Tool Chased ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4578.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	39.00 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			4551.00	
Shut In Tool	5.00			4556.00	
Hydraulic tool	5.00			4561.00	
Jars	5.00			4566.00	
Safety Joint	3.00			4569.00	
Packer	5.00			4574.00	28.00      Bottom Of Top Packer
Packer	4.00			4578.00	
Stubb	1.00			4579.00	
Perforations	5.00			4584.00	
Recorder	0.00	8358	Outside	4584.00	
Recorder	0.00	6669	Outside	4584.00	
Bullnose	5.00			4589.00	11.00      Bottom Packers & Anchor

**Total Tool Length: 39.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Credo Petroleum Corp.

**Holloman 1-34**

1801 Broadway #900  
Denver Co. 80202

**34-16s-29w Lane, KS**

Job Ticket: 042155

DST#: 4

ATTN: Bruce Ard

Test Start: 2011.03.17 @ 10:43:00

## 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:

18000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	WM 20W 80M	0.295
60.00	MV 90W 10M	0.295
62.00	MV 70W 30M	0.851
8.00	MV 60W 40M	0.112
2.00	Free oil 100o	0.028

Total Length: 192.00 ft      Total Volume: 1.581 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

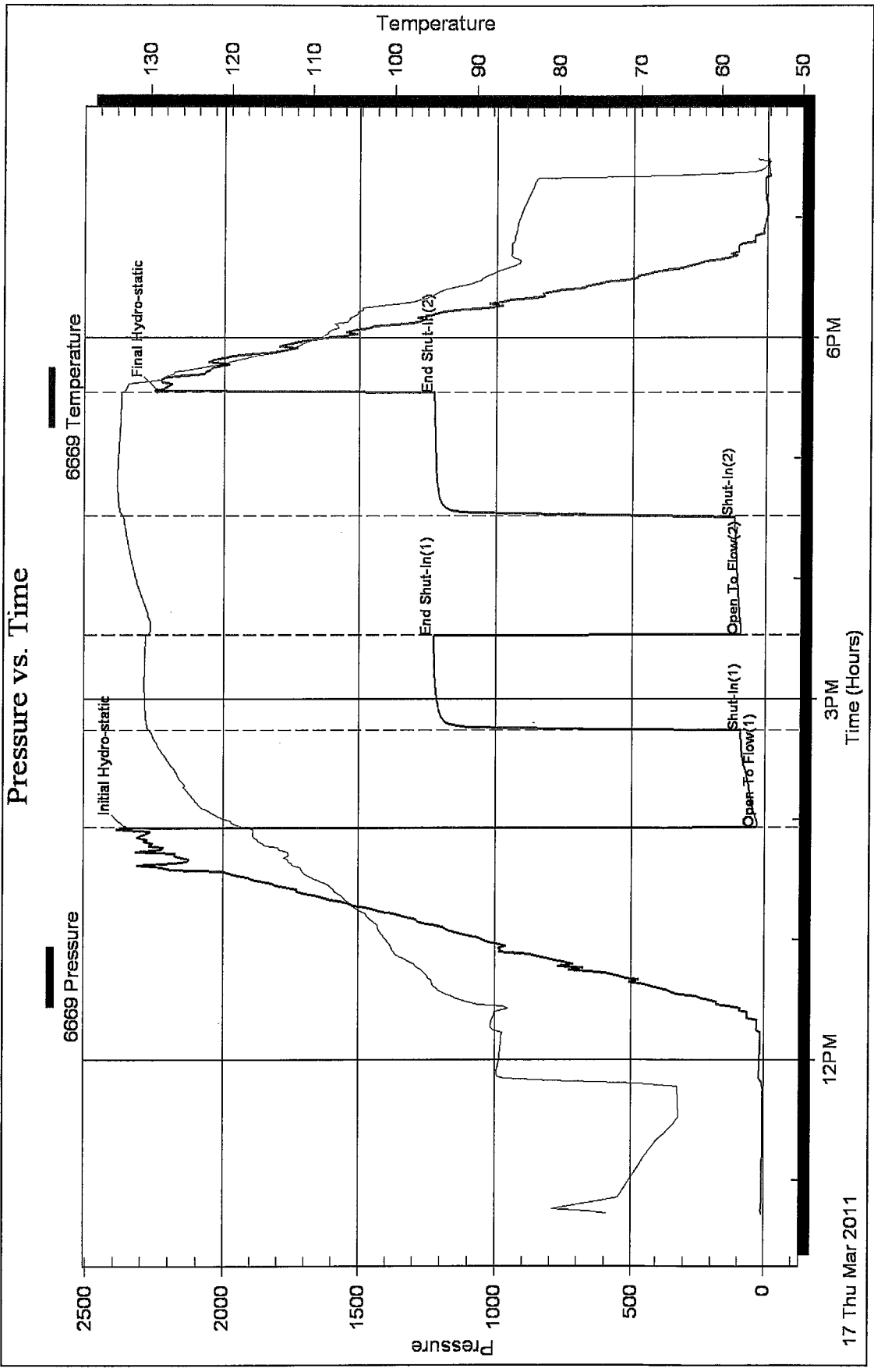
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .47@ 64 deg. = 18000

### Pressure vs. Time



17 Thu Mar 2011 12 PM 3 PM 6 PM

