



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- 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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1062835

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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				

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
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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"/> Commingled <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Credo Petroleum Corporation
Well Name	Sandra 1-3
Doc ID	1062835

All Electric Logs Run

Dual Induction
Dual Compensated Porosity
Microlog
Borehole Compensated Sonic

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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

February 23, 2012

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

Re: ACO1
API 15-101-22306-00-00
Sandra 1-3
NE/4 Sec.03-17S-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

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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

February 24, 2012

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

Re: ACO-1
API 15-101-22306-00-00
Sandra 1-3
NE/4 Sec.03-17S-29W
Lane County, Kansas

Dear Jack Renfro:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 8/23/2011 and the ACO-1 was received on February 23, 2012 (not within the 120 days timely requirement).

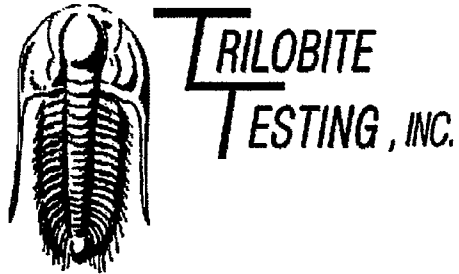
Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department

SEP 12 2011



DRILL STEM TEST REPORT

Prepared For: **Credo Petroleum Corporation**

1801 Broadway #900
Denver, CO 80202

ATTN: Bruce Ard

3-17s-29w Lane,KS

Sandra #1-3

Start Date: 2011.08.29 @ 06:19:00

End Date: 2011.08.29 @ 13:18:00

Job Ticket #: 43640 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Credo Petroleum Corporation

Sandra #1-3

3-17s-29w Lane,KS

DST # 1

Lansing I-J

2011.08.29



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Credo Petroleum Corporation

1801 Broadway #900
Denver, CO 80202

ATTN: Bruce Ard

Sandra #1-3

3-17s-29w Lane, KS

Job Ticket: 43640

DST#: 1

Test Start: 2011.08.29 @ 06:19:00

GENERAL INFORMATION:

Formation: **Lansing I-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:06:30

Time Test Ended: 13:18:00

Test Type: Conventional Bottom Hole

Tester: Bradley Walter

Unit No: 40

Interval: **4152.00 ft (KB) To 4200.00 ft (KB) (TVD)**

Total Depth: 4200.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2808.00 ft (KB)

2803.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8652

Inside

Press@RunDepth: 84.13 psig @ 4153.00 ft (KB)

Start Date: 2011.08.29

End Date:

2011.08.29

Start Time: 06:19:05

End Time:

13:17:59

Capacity: 8000.00 psig

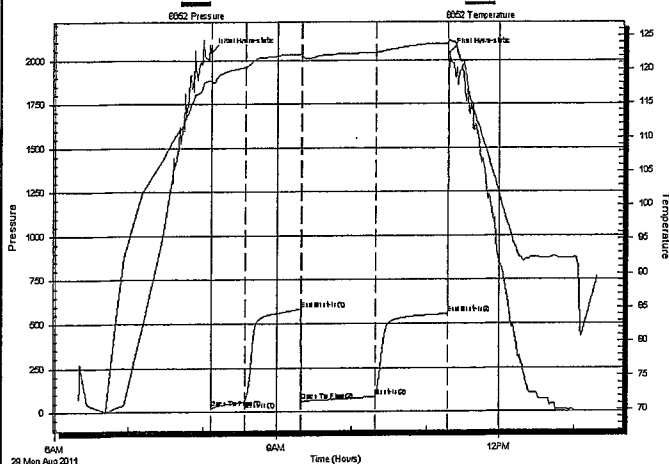
Last Calib.: 2011.08.29

Time On Btm: 2011.08.29 @ 08:06:15

Time Off Btm: 2011.08.29 @ 11:18:30

TEST COMMENT: IF: 9 1/2" Blow.
IS: No return.
FF: BOB@ 16 minutes.
FSI No return blow.

Pressure vs. Time



PRESSURE SUMMARY

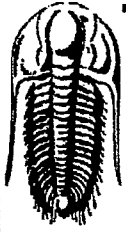
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2045.53	118.47	Initial Hydro-static
1	20.69	117.72	Open To Flow (1)
29	60.22	120.29	Shut-In(1)
74	583.51	122.21	End Shut-In(1)
74	61.43	121.88	Open To Flow (2)
133	84.13	122.45	Shut-In(2)
191	554.85	123.71	End Shut-In(2)
193	2040.25	124.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	gmco 20g 30m 50o	0.89
20.00	fo 100%o	0.24
0.00	540ft GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Credo Petroleum Corporation

Sandra #1-3

1801 Broadway #900
Denver, CO 80202

3-17s-29w Lane, KS

Job Ticket: 43640

DST#: 1

ATTN: Bruce Ard

Test Start: 2011.08.29 @ 06:19:00

Tool Information

Drill Pipe:	Length: 3954.00 ft	Diameter: 3.80 inches	Volume: 55.46 bbl	Tool Weight: 2000.00 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: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 56.36 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4152.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	76.00 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			4125.00	
Shut In Tool	5.00			4130.00	
Hydraulic tool	5.00			4135.00	
Jars	5.00			4140.00	
Safety Joint	2.00			4142.00	
Packer	5.00			4147.00	28.00 Bottom Of Top Packer
Packer	5.00			4152.00	
Stubb	1.00			4153.00	
Recorder	0.00	8652	Inside	4153.00	
Recorder	0.00	8360	Outside	4153.00	
Perforations	10.00			4163.00	
Change Over Sub	1.00			4164.00	
Drill Pipe	32.00			4196.00	
Change Over Sub	1.00			4197.00	
Bullnose	3.00			4200.00	48.00 Bottom Packers & Anchor

Total Tool Length: 76.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Credo Petroleum Corporation

Sandra #1-3

1801 Broadway #900
Denver, CO 80202

3-17s-29w Lane,KS

Job Ticket: 43640

DST#: 1

ATTN: Bruce Ard

Test Start: 2011.08.29 @ 06:19:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 68.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.32 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	gmco 20g 30m 50o	0.885
20.00	fo 100%o	0.244
0.00	540ft GIP	0.000

Total Length: 200.00ft Total Volume: 1.129 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

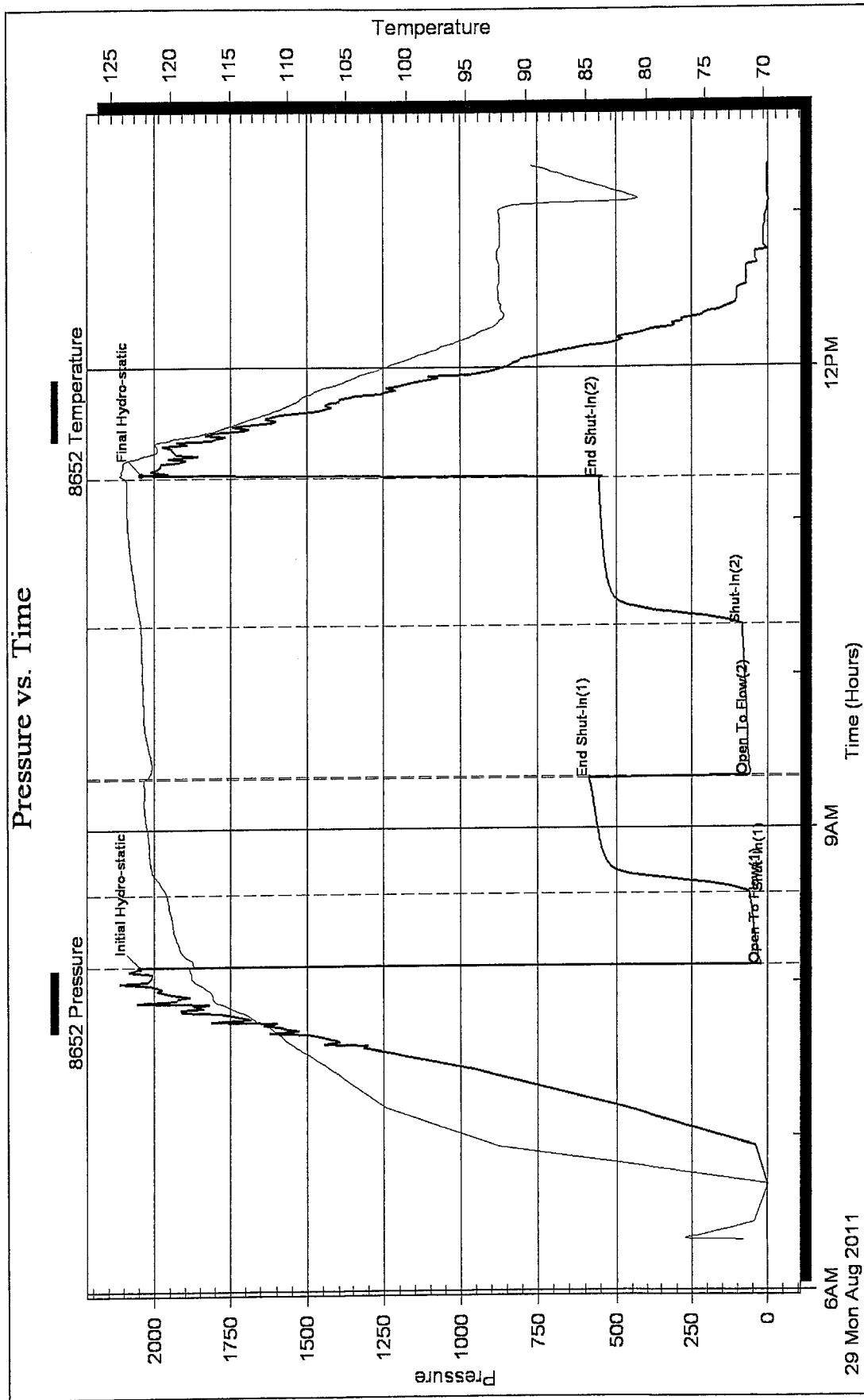
Serial #:

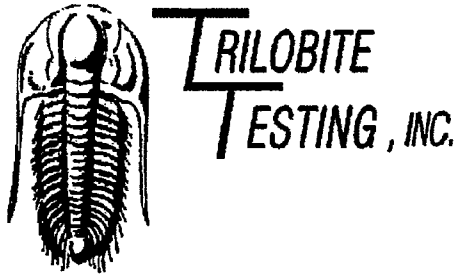
Laboratory Name:

Laboratory Location:

Recovery Comments: API is 39 @ 80 = 37

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Credo Petroleum Corporation**

1801 Broadway #900
Denver, CO 80202

ATTN: Bruce Ard

3-17s-29w Lane,KS

Sandra #1-3

Start Date: 2011.08.29 @ 20:58:00

End Date: 2011.08.30 @ 04:19:30

Job Ticket #: 43641 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Credo Petroleum Corporation

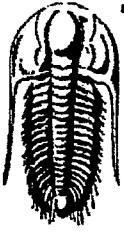
Sandra #1-3

3-17s-29w Lane,KS

DST # 2

LKC K-L

2011.08.29



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Credo Petroleum Corporation

Sandra #1-3

1801 Broadway #900
Denver, CO 80202

3-17s-29w Lane, KS

Job Ticket: 43641

DST#: 2

ATTN: Bruce Ard

Test Start: 2011.08.29 @ 20:58:00

GENERAL INFORMATION:

Formation: **LKC K-L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:50:30

Time Test Ended: 04:19:30

Test Type: Conventional Bottom Hole

Tester: Bradley Walter

Unit No: 40

Interval: **4202.00 ft (KB) To 4249.00 ft (KB) (TVD)**

Total Depth: 4200.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2808.00 ft (KB)

2803.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8652

Inside

Press@RunDepth: 57.92 psig @ 4203.00 ft (KB)

Start Date: 2011.08.29

End Date:

2011.08.30

Start Time: 20:58:05

End Time:

04:19:29

Capacity: 8000.00 psig

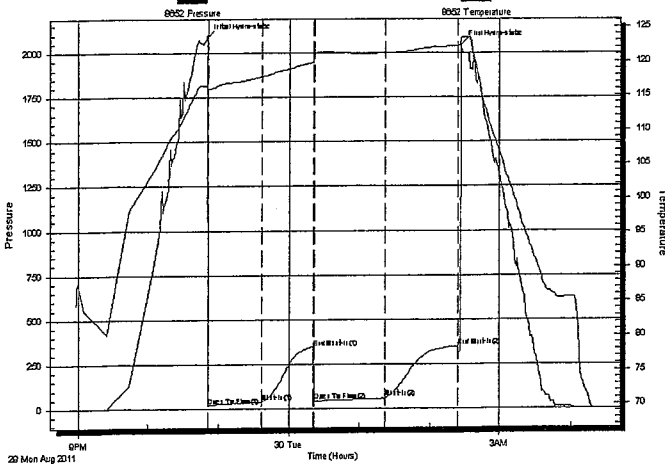
Last Calib.: 2011.08.30

Time On Btm: 2011.08.29 @ 22:50:15

Time Off Btm: 2011.08.30 @ 02:26:30

TEST COMMENT: IF: 1 1/4" blow.
IS: No return.
FF: 1" blow.
FSI: No return.

Pressure vs. Time



PRESSURE SUMMARY

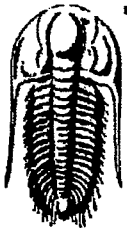
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2087.69	116.44	Initial Hydro-static
1	19.49	115.12	Open To Flow (1)
47	38.77	117.66	Shut-In(1)
91	344.41	119.77	End Shut-In(1)
92	42.19	120.80	Open To Flow (2)
152	57.92	121.16	Shut-In(2)
214	346.57	122.22	End Shut-In(2)
217	2045.62	123.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	gocm 5g 350 60m	0.39
0.00	100ft GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Credo Petroleum Corporation

Sandra #1-3

1801 Broadway #900
Denver, CO 80202

3-17s-29w Lane,KS

Job Ticket: 43641

DST#: 2

ATTN: Bruce Ard

Test Start: 2011.08.29 @ 20:58:00

Tool Information

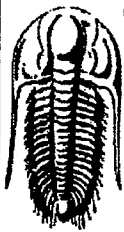
Drill Pipe:	Length: 4077.00 ft	Diameter: 3.80 inches	Volume: 57.19 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 77000.00 lb
			<u>Total Volume: 57.79 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4202.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	75.00 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			4175.00	
Shut In Tool	5.00			4180.00	
Hydraulic tool	5.00			4185.00	
Jars	5.00			4190.00	
Safety Joint	2.00			4192.00	
Packer	5.00			4197.00	28.00 Bottom Of Top Packer
Packer	5.00			4202.00	
Stubb	1.00			4203.00	
Recorder	0.00	8652	Inside	4203.00	
Recorder	0.00	8360	Outside	4203.00	
Perforations	10.00			4213.00	
Change Over Sub	1.00			4214.00	
Drill Pipe	31.00			4245.00	
Change Over Sub	1.00			4246.00	
Bullnose	3.00			4249.00	47.00 Bottom Packers & Anchor

Total Tool Length: 75.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Credo Petroleum Corporation

Sandra #1-3

1801 Broadway #900
Denver, CO 80202

3-17s-29w Lane, KS

Job Ticket: 43641

DST#: 2

ATTN: Bruce Ard

Test Start: 2011.08.29 @ 20:58:00

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: 70.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.33 in³

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: ohm.m

Salinity: 1300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
80.00	gocm 5g 350 60m	0.393
0.00	100ft GIP	0.000

Total Length: 80.00ft

Total Volume: 0.393 bbf

Num Fluid Samples: 0

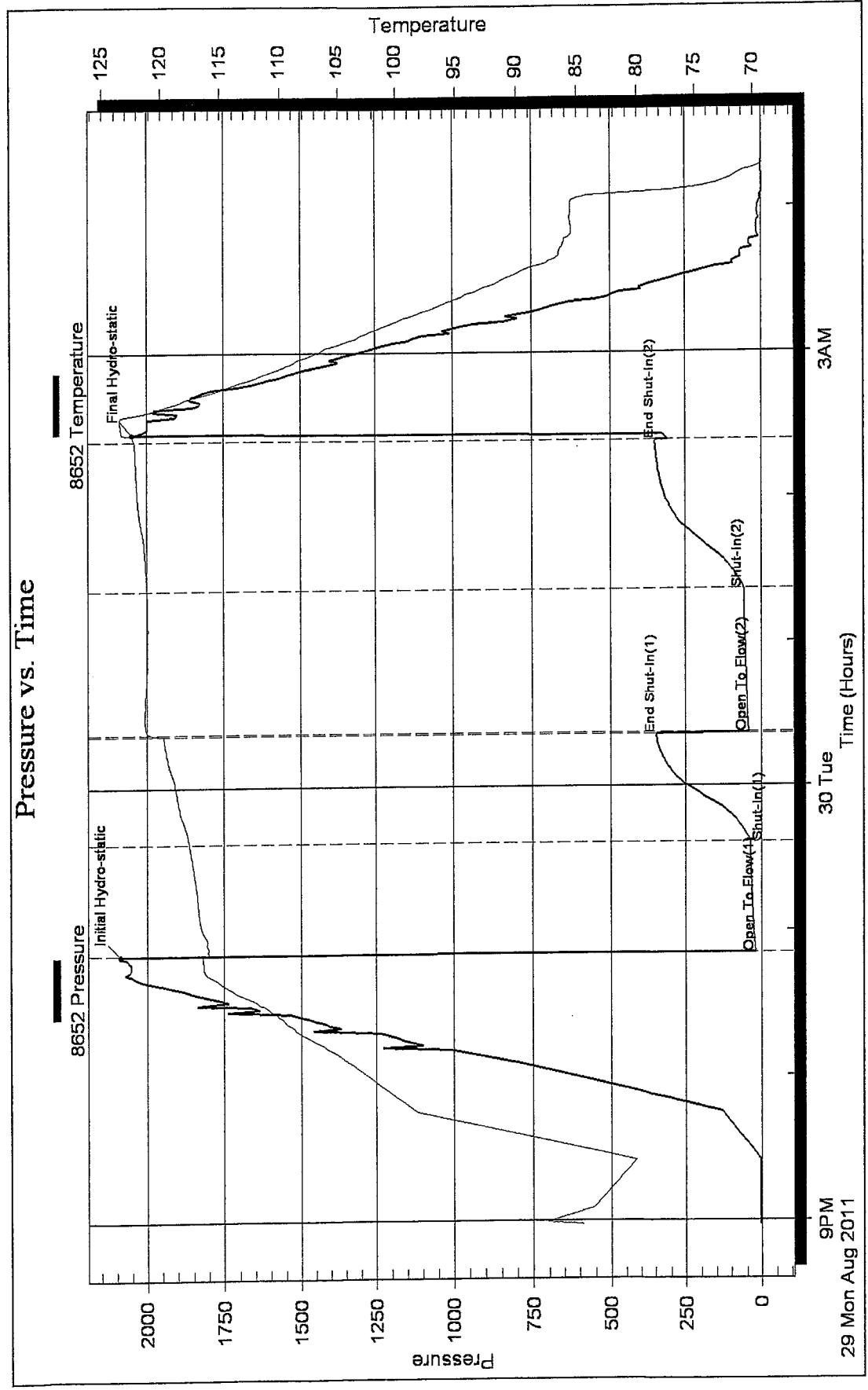
Num Gas Bombs: 0

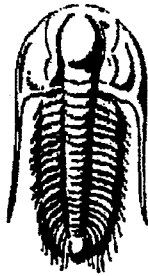
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Credo Petroleum Corporation**

1801 Broadway #900
Denver, CO 80202

ATTN: Bruce Ard

3-17s-29w Lane,KS

Sandra #1-3

Start Date: 2011.08.30 @ 14:05:00

End Date: 2011.08.30 @ 21:03:45

Job Ticket #: 43642 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Credo Petroleum Corporation

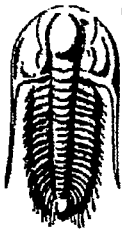
Sandra #1-3

3-17s-29w Lane,KS

DST # 3

LKC L-Marraton

2011.08.30



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Credo Petroleum Corporation

1801 Broadway #900
Denver, CO 80202

ATTN: Bruce Ard

Sandra #1-3

3-17s-29w Lane, KS

Job Ticket: 43642

DST#: 3

Test Start: 2011.08.30 @ 14:05:00

GENERAL INFORMATION:

Formation: **LKC L-Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:17:45

Time Test Ended: 21:03:45

Test Type: Conventional Bottom Hole

Tester: Bradley Walter

Unit No: 40

Interval: **4252.00 ft (KB) To 4328.00 ft (KB) (TVD)**

Total Depth: 4200.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2808.00 ft (KB)

2803.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8652 Inside

Press@RunDepth: 156.77 psig @ 4253.00 ft (KB)

Start Date: 2011.08.30

End Date:

2011.08.30

Start Time: 14:05:05

End Time:

21:03:44

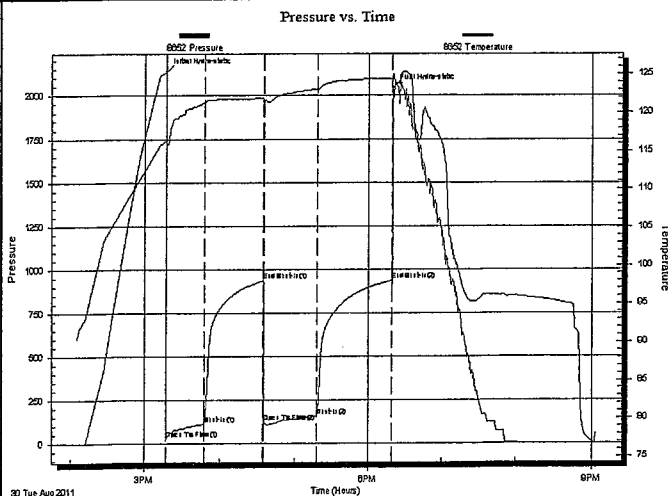
Capacity: 8000.00 psig

Last Calib.: 2011.08.30

Time On Btm: 2011.08.30 @ 15:17:30

Time Off Btm: 2011.08.30 @ 18:20:00

TEST COMMENT: IF: BOB @ 12 minutes.
IS: No return blow.
FF: BOB @ 12 minutes.
FSI 1" return, started @ 10 minutes



PRESSURE SUMMARY

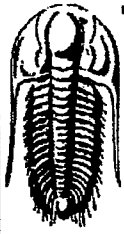
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2136.44	116.33	Initial Hydro-static
1	29.26	115.59	Open To Flow (1)
30	111.17	121.24	Shut-In(1)
77	936.49	121.90	End Shut-In(1)
78	121.66	121.61	Open To Flow (2)
121	156.77	123.04	Shut-In(2)
182	936.40	124.44	End Shut-In(2)
183	2044.19	125.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
400.00	GMCO 35g 20m45o	4.50
0.00	530 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Credo Petroleum Corporation

Sandra #1-3

1801 Broadway #900
Denver, CO 80202

3-17s-29w Lane, KS

Job Ticket: 43642

DST#: 3

ATTN: Bruce Ard

Test Start: 2011.08.30 @ 14:05:00

Tool Information

Drill Pipe:	Length: 4109.00 ft	Diameter: 3.80 inches	Volume: 57.64 bbl	Tool Weight: 2000.00 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: 79000.00 lb
		Total Volume:	58.24 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4252.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	76.00 ft			
Tool Length:	104.00 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			4225.00	
Shut In Tool	5.00			4230.00	
Hydraulic tool	5.00			4235.00	
Jars	5.00			4240.00	
Safety Joint	2.00			4242.00	
Packer	5.00			4247.00	28.00 Bottom Of Top Packer
Packer	5.00			4252.00	
Stubb	1.00			4253.00	
Recorder	0.00	8652	Inside	4253.00	
Recorder	0.00	8360	Outside	4253.00	
Perforations	6.00			4259.00	
Change Over Sub	1.00			4260.00	
Drill Pipe	64.00			4324.00	
Change Over Sub	1.00			4325.00	
Bullnose	3.00			4328.00	76.00 Bottom Packers & Anchor

Total Tool Length: 104.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Credo Petroleum Corporation

Sandra #1-3

1801 Broadway #900
Denver, CO 80202

3-17s-29w Lane,KS

Job Ticket: 43642

DST#: 3

ATTN: Bruce Ard

Test Start: 2011.08.30 @ 14:05:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 61.00 sec/qt
Water Loss: 8.70 in³
Resistivity: ohm.m
Salinity: 3200.00 ppm
Filter Cake: 1.00 inches

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

Oil API: 0 deg API
Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
400.00	GMCO 35g 20m 45o	4.500
0.00	530 GIP	0.000

Total Length: 400.00ft Total Volume: 4.500 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

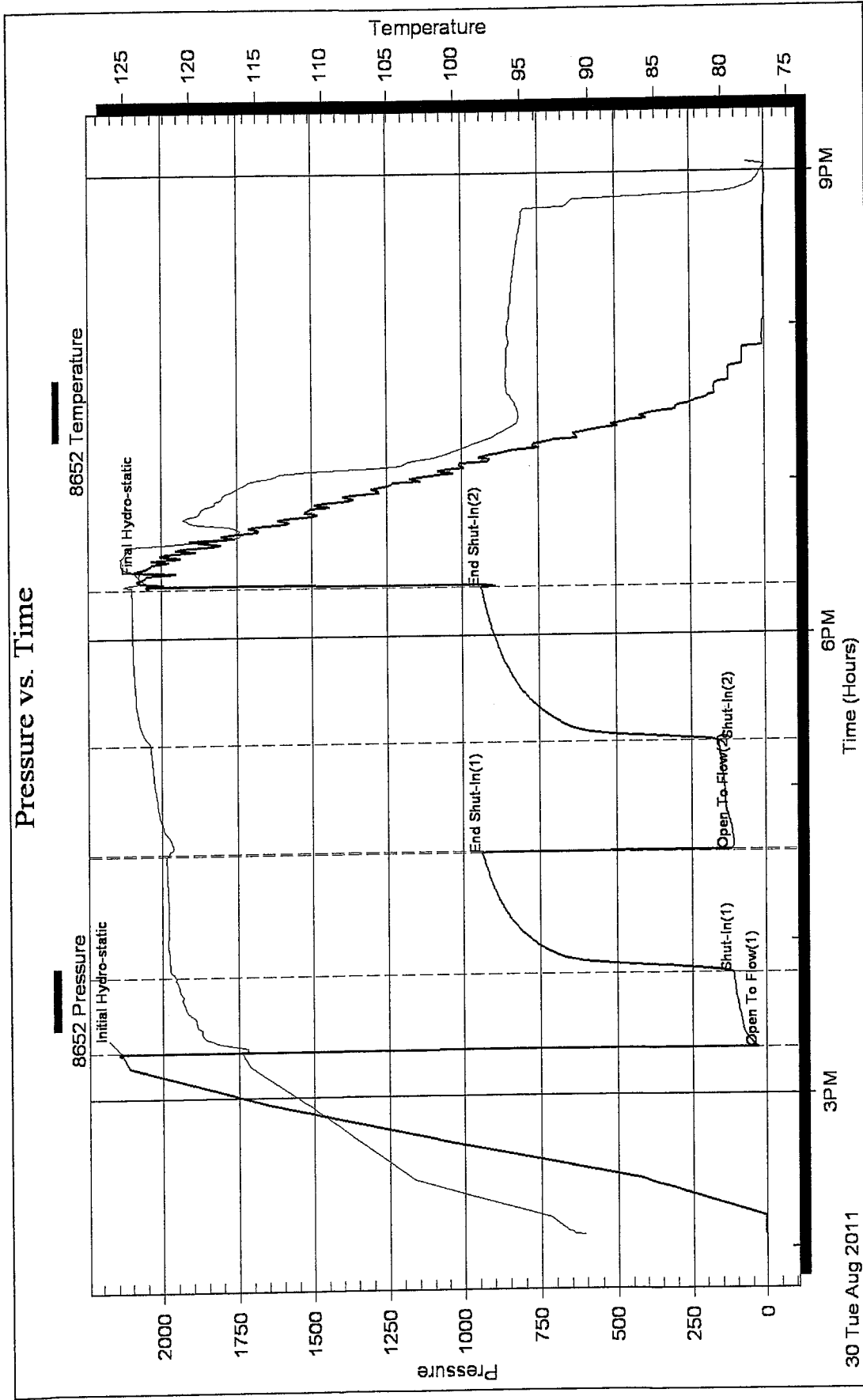
Serial #:

Laboratory Name:

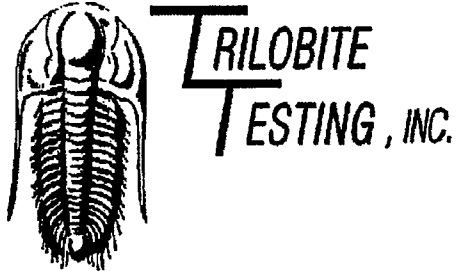
Laboratory Location:

Recovery Comments:

Pressure vs. Time



30 Tue Aug 2011



DRILL STEM TEST REPORT

Prepared For: **Credo Petroleum Corporation**

1801 Broadway #900
Denver, CO 80202

ATTN: Bruce Ard

3-17s-29w Lane,KS

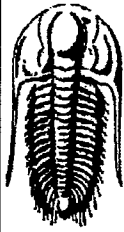
Sandra #1-3

Start Date: 2011.08.31 @ 08:40:05

End Date: 2011.08.31 @ 15:09:59

Job Ticket #: 43643 DST #: 4

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

Sandra #1-3

1801 Broadway #900
Denver, CO 80202

3-17s-29w Lane,KS

Job Ticket: 43643

DST#: 4

ATTN: Bruce Ard

Test Start: 2011.08.31 @ 08:40:05

GENERAL INFORMATION:

Formation: **Marmaton / Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:23:45

Time Test Ended: 15:09:59

Test Type: Conventional Bottom Hole

Tester: Will MacLean

Unit No: 40

Interval: **4324.00 ft (KB) To 4408.00 ft (KB) (TVD)**

Total Depth: 4408.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2808.00 ft (KB)

2803.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8652

Inside

Press@RunDepth: 33.06 psig @ 4325.00 ft (KB)

Start Date: 2011.08.31

End Date: 2011.08.31

Start Time: 08:40:05

End Time: 15:09:59

Capacity: 8000.00 psig

Last Calib.: 2011.08.31

Time On Btrn: 2011.08.31 @ 10:23:15

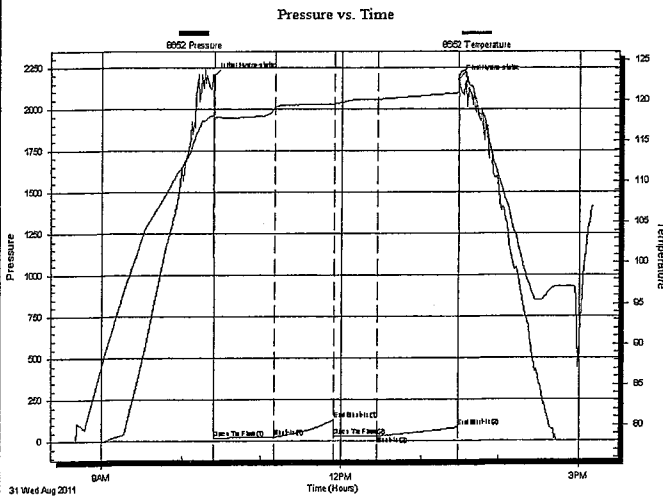
Time Off Btrn: 2011.08.31 @ 13:28:14

TEST COMMENT: IF-Surface Blow Built to 1/2" Died to Weak Surface Blow

IS- No Blow

FF- No Blow

FSI- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2196.10	118.20	Initial Hydro-static
1	20.12	117.59	Open To Flow (1)
47	27.11	119.14	Shut-In(1)
92	128.91	119.61	End Shut-In(1)
92	30.22	119.54	Open To Flow (2)
124	33.06	120.17	Shut-In(2)
185	81.04	120.94	End Shut-In(2)
185	2177.15	122.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud with Oil Spots	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Credo Petroleum Corporation

Sandra #1-3

1801 Broadway #900
Denver, CO 80202

3-17s-29w Lane,KS

Job Ticket: 43643

DST#: 4

ATTN: Bruce Ard

Test Start: 2011.08.31 @ 08:40:05

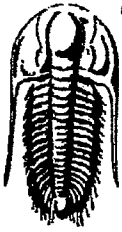
Tool Information

Drill Pipe:	Length: 4144.00 ft	Diameter: 3.80 inches	Volume: 58.13 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 18000.00 lb
			<u>Total Volume: 59.03 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4324.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	84.00 ft			
Tool Length:	112.00 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			4297.00	
Shut In Tool	5.00			4302.00	
Hydraulic tool	5.00			4307.00	
Jars	5.00			4312.00	
Safety Joint	2.00			4314.00	
Packer	5.00			4319.00	28.00 Bottom Of Top Packer
Packer	5.00			4324.00	
Stubb	1.00			4325.00	
Recorder	0.00	8652	Inside	4325.00	
Recorder	0.00	8360	Outside	4325.00	
Perforations	15.00			4340.00	
Change Over Sub	1.00			4341.00	
Drill Pipe	63.00			4404.00	
Change Over Sub	1.00			4405.00	
Bullnose	3.00			4408.00	84.00 Bottom Packers & Anchor

Total Tool Length: 112.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Credo Petroleum Corporation

Sandra #1-3

1801 Broadway #900
Denver, CO 80202

3-17s-29w Lane,KS

Job Ticket: 43643

DST#: 4

ATTN: Bruce Ard

Test Start: 2011.08.31 @ 08:40:05

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.31 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud with Oil Spots	0.074

Total Length: 15.00ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

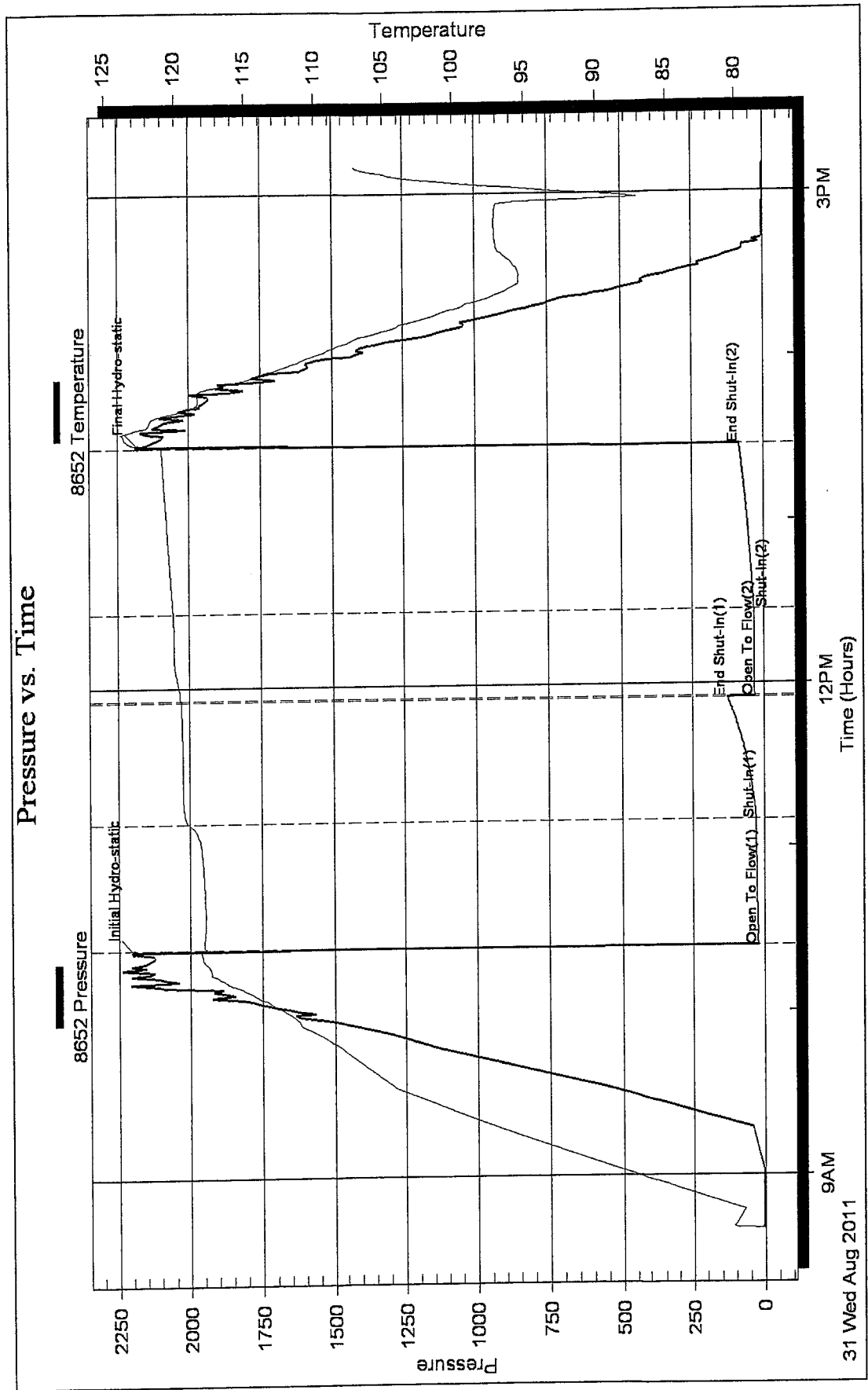
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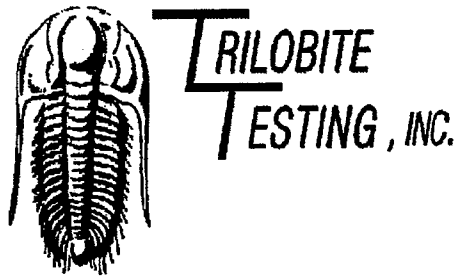
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Credo Petroleum Corporation**

1801 Broadway #900
Denver, CO 80202

ATTN: Bruce Ard

3-17s-29w Lane,KS

Sandra #1-3

Start Date: 2011.09.01 @ 02:22:05

End Date: 2011.09.01 @ 09:59:44

Job Ticket #: 43644 DST #: 5

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

Credo Petroleum Corporation

Sandra #1-3

3-17s-29w Lane,KS

DST # 5

Fr Scott - Upper Che

2011.09.01



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Credo Petroleum Corporation

1801 Broadway #900
Denver, CO 80202

ATTN: Bruce Ard

Sandra #1-3

3-17s-29w Lane, KS

Job Ticket: 43644

DST#: 5

Test Start: 2011.09.01 @ 02:22:05

GENERAL INFORMATION:

Formation: **Ft Scott - Upper Che**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:34:00

Time Test Ended: 09:59:44

Test Type: Conventional Bottom Hole

Tester: Will MacLean

Unit No: 40

Interval: **4406.00 ft (KB) To 4479.00 ft (KB) (TVD)**

Total Depth: 4200.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2808.00 ft (KB)

2803.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8652 Inside

Press@RunDepth: 315.35 psig @ 4412.00 ft (KB)

Start Date: 2011.09.01

End Date: 2011.09.01

Start Time: 02:22:05

End Time: 09:59:44

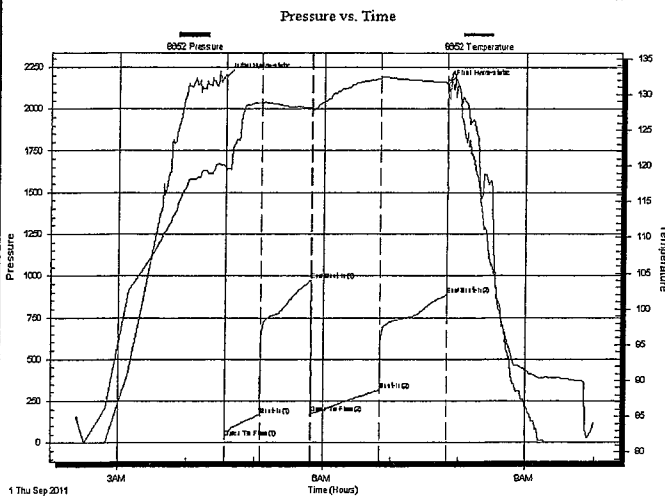
Capacity: 8000.00 psig

Last Calib.: 2011.09.01

Time On Btm: 2011.09.01 @ 04:33:45

Time Off Btm: 2011.09.01 @ 07:49:59

TEST COMMENT: IF- BOB in 18 min
IS- No Blow
FF- Surface Blow Built to 1" Died to Weak Surface Blow
FSI- No Blow



PRESSURE SUMMARY

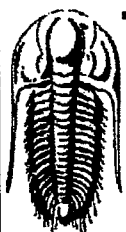
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2193.22	120.02	Initial Hydro-static
1	30.95	119.29	Open To Flow (1)
31	166.62	128.75	Shut-In(1)
76	972.95	128.13	End Shut-In(1)
76	172.70	127.92	Open To Flow (2)
137	315.35	132.19	Shut-In(2)
196	886.74	131.65	End Shut-In(2)
197	2151.72	132.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	1% oil 40% m 59% w	0.59
190.00	1% oil 4% g 15% w 80% m	2.08
330.00	2% oil 5% g 93% m	4.63
0.00	120' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Credo Petroleum Corporation

Sandra #1-3

1801 Broadway #900
Denver, CO 80202

3-17s-29w Lane,KS

Job Ticket: 43644

DST#: 5

ATTN: Bruce Ard

Test Start: 2011.09.01 @ 02:22:05

Tool Information

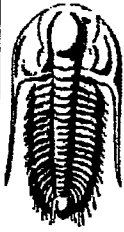
Drill Pipe:	Length: 4212.00 ft	Diameter: 3.80 inches	Volume: 59.08 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 20000.00 lb
		Total Volume: 59.98 bbl		Tool Chased ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4406.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	73.00 ft			
Tool Length:	101.00 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			4379.00	
Shut In Tool	5.00			4384.00	
Hydraulic tool	5.00			4389.00	
Jars	5.00			4394.00	
Safety Joint	2.00			4396.00	
Packer	5.00			4401.00	28.00 Bottom Of Top Packer
Packer	5.00			4406.00	
Stubb	1.00			4407.00	
Perforations	4.00			4411.00	
Change Over Sub	1.00			4412.00	
Recorder	0.00	8652	Inside	4412.00	
Recorder	0.00	8360	Outside	4412.00	
Drill Pipe	63.00			4475.00	
Change Over Sub	1.00			4476.00	
Bullnose	3.00			4479.00	73.00 Bottom Packers & Anchor

Total Tool Length: 101.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Credo Petroleum Corporation

Sandra #1-3

1801 Broadway #900
Denver, CO 80202

3-17s-29w Lane, KS

Job Ticket: 43644

DST#: 5

ATTN: Bruce Ard

Test Start: 2011.09.01 @ 02:22:05

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:

4600 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.31 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	1% oil 40%m 59%w	0.590
190.00	1%oil 4%g 15%w 80%m	2.082
330.00	2%oil 5%g 93%m	4.629
0.00	120' GIP	0.000

Total Length: 640.00ft

Total Volume: 7.301 bbl

Num Fluid Samples: 0

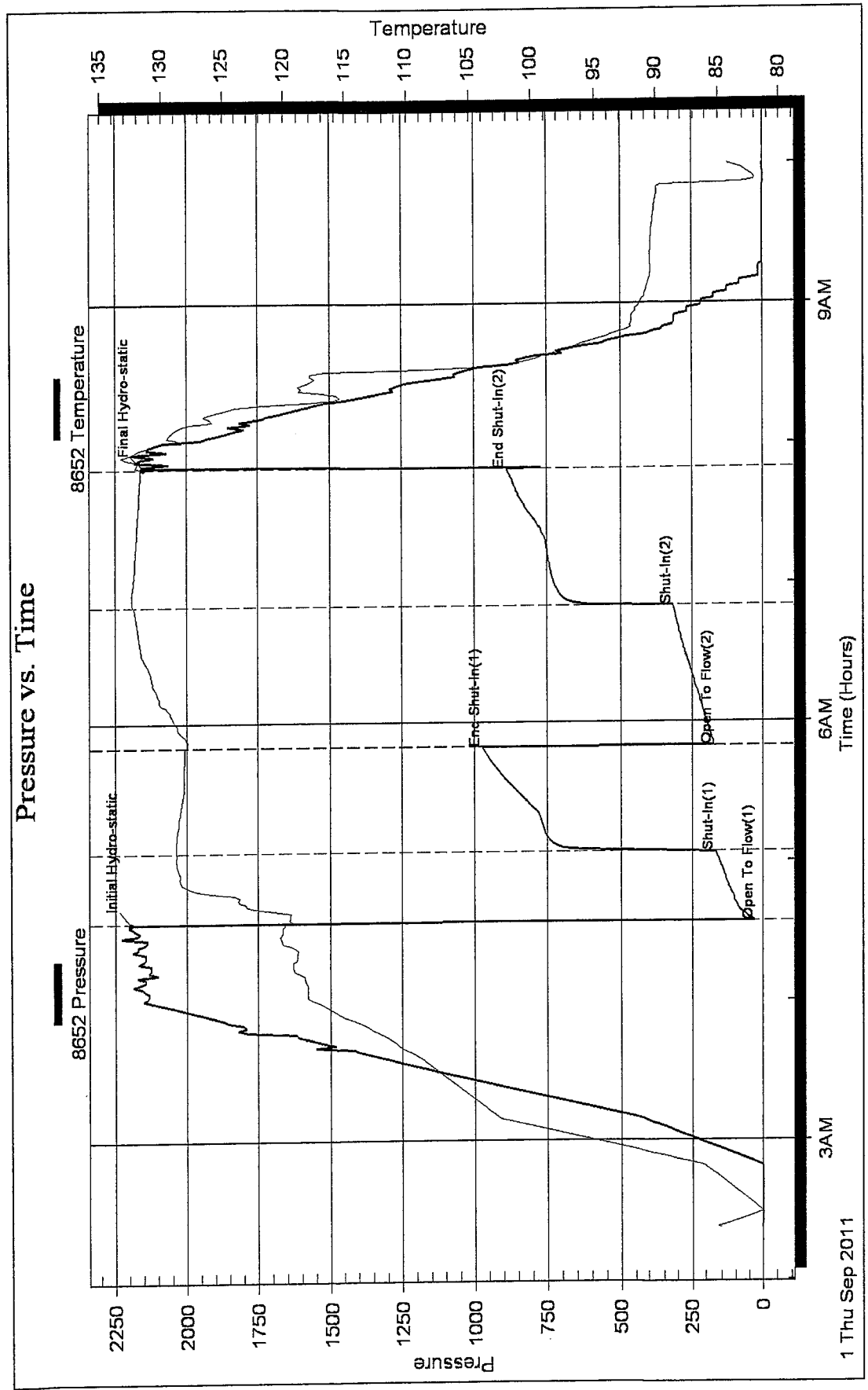
Num Gas Bombs: 0

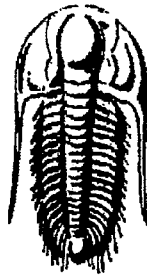
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RWis 1. @ 87f= 4600





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Credo Petroleum Corporation**

1801 Broadway #900
Denver, CO 80202

ATTN: Bruce Ard

3-17s-29w Lane,KS

Sandra #1-3

Start Date: 2011.09.01 @ 20:17:05

End Date: 2011.09.02 @ 04:10:59

Job Ticket #: 43645 DST #: 6

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Credo Petroleum Corporation

Sandra #1-3

3-17s-29w Lane,KS

DST # 6

Lower Cherokee - John

2011.09.01



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Credo Petroleum Corporation

Sandra #1-3

1801 Broadway #900
Denver, CO 80202

3-17s-29w Lane,KS

Job Ticket: 43645

DST#: 6

ATTN: Bruce Ard

Test Start: 2011.09.01 @ 20:17:05

GENERAL INFORMATION:

Formation: **Lower Cherokee - Joh**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:23:30

Time Test Ended: 04:10:59

Test Type: Conventional Bottom Hole

Tester: Will MacLean

Unit No: 40

Interval: **4480.00 ft (KB) To 4531.00 ft (KB) (TVD)**

Total Depth: 4531.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2808.00 ft (KB)

2803.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8652

Inside

Press@RunDepth: 170.80 psig @ 4481.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.01

End Date:

2011.09.02

Last Calib.: 2011.09.02

Start Time: 20:17:05

End Time:

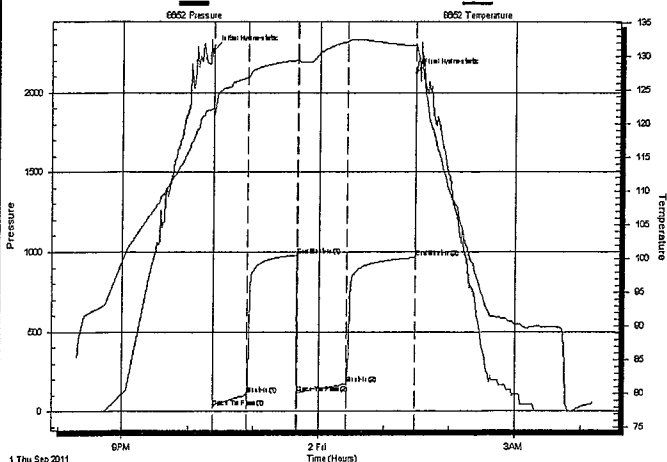
04:10:59

Time On Btmr 2011.09.01 @ 22:23:15

Time Off Btmr 2011.09.02 @ 01:27:44

TEST COMMENT: IF- BOB in 7 min
IS- Surface Blow Built to 1/2" Died in 19min
FF- BOB in 10 min
FS- Surface Blow Built to 3 1/4" Died Back to 1 1/4"

Pressure vs. Time



PRESSURE SUMMARY

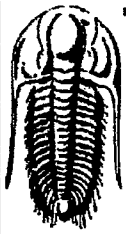
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2270.76	122.38	Initial Hydro-static
1	27.26	121.50	Open To Flow (1)
31	105.28	126.81	Shut-In(1)
77	979.10	129.36	End Shut-In(1)
77	110.88	129.19	Open To Flow (2)
123	170.80	132.09	Shut-In(2)
184	963.40	131.54	End Shut-In(2)
185	2123.93	131.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	10% oil 20%g 70%m	0.31
122.00	25%g 30%oil 45%m	0.61
125.00	30%g 30%m 40%oil	1.75
170.00	30%g 70%oil	2.38
0.00	800' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Credo Petroleum Corporation

Sandra #1-3

1801 Broadway #900
Denver, CO 80202

3-17s-29w Lane,KS

Job Ticket: 43645

DST#: 6

ATTN: Bruce Ard

Test Start: 2011.09.01 @ 20:17:05

Tool Information

Drill Pipe:	Length: 4271.00 ft	Diameter: 3.80 inches	Volume: 59.91 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 12000.00 lb
			<u>Total Volume: 60.81 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4480.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	51.00 ft			
Tool Length:	79.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

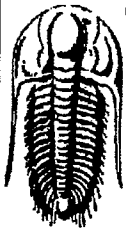
Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			4453.00	
Shut In Tool	5.00			4458.00	
Hydraulic tool	5.00			4463.00	
Jars	5.00			4468.00	
Safety Joint	2.00			4470.00	
Packer	5.00			4475.00	28.00 Bottom Of Top Packer
Packer	5.00			4480.00	
Stubb	1.00			4481.00	
Recorder	0.00	8652	Inside	4481.00	
Recorder	0.00	8360	Outside	4481.00	
Perforations	13.00			4494.00	
Change Over Sub	1.00			4495.00	
Drill Pipe	32.00			4527.00	
Change Over Sub	1.00			4528.00	
Bullnose	3.00			4531.00	51.00 Bottom Packers & Anchor

Total Tool Length: 79.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Credo Petroleum Corporation

Sandra #1-3

1801 Broadway #900
Denver, CO 80202

3-17s-29w Lane,KS

Job Ticket: 43645

DST#: 6

ATTN: Bruce Ard

Test Start: 2011.09.01 @ 20:17:05

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 48.00 sec/qt
Water Loss: 9.15 in³
Resistivity: ohm.m
Salinity: 2600.00 ppm
Filter Cake: 1.00 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
63.00	10% oil 20%g 70%m	0.310
122.00	25%g 30%oil 45%m	0.609
125.00	30%g 30%m 40%oil	1.753
170.00	30%g 70%oil	2.385
0.00	800' GIP	0.000

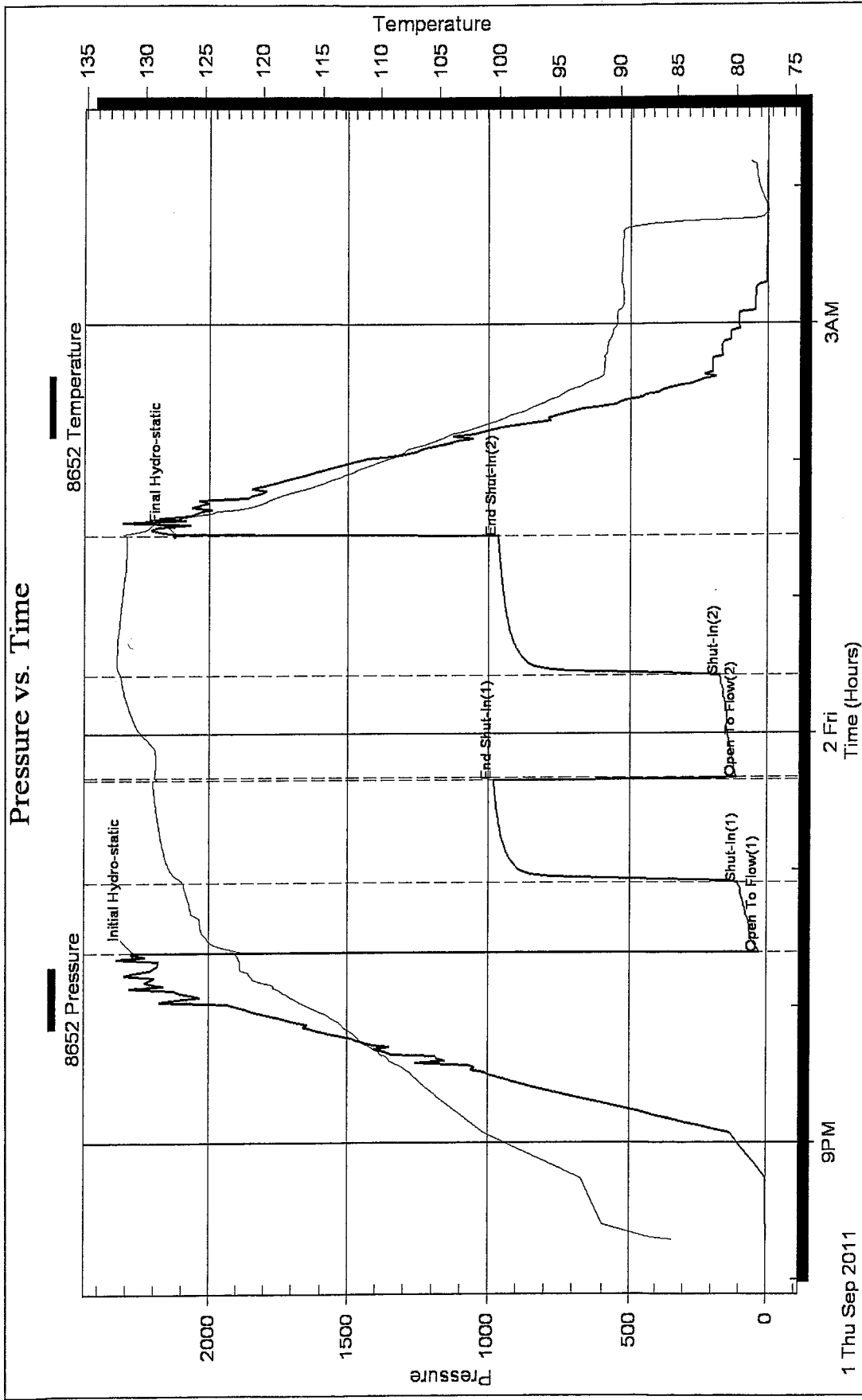
Total Length: 480.00ft Total Volume: 5.057 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: API is 40 @ 80f = 38

Pressure vs. Time



ALLIED CEMENTING CO., LLC.

037345

Federal Tax I.D.# 20-5975804

REMIT TO PO. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Creat Bendles

DATE	SEC.	TWP.	RANGE	LOCATED OUT	ON LOCATION	JOB START	JOB FINISH
8-24-11	3	17 S	29 W				
LEASE <i>Sandles</i>	WELL #	1-3	LOCATION	<i>Healy 13 N 23 N - 14 W west</i>		COUNTY	STATE
OLD OR NEW (Circle one)			<i>3/4 west North into</i>			<i>Lane</i>	<i>KS</i>

CONTRACTOR *Wm Drilling Rig #10* OWNER *Credo*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* T.D. *260*

CASING SIZE *8 3/4* DEPTH *260*

TUBING SIZE DEPTH

DRILL PIPE *4 1/2* DEPTH *260*

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *15 ft*

PERFS.

DISPLACEMENT *Fresh water*

EQUIPMENT

CEMENT AMOUNT ORDERED *160 lbs cement 3% cc 2%*

COMMON *160* @

POZMIX @

GEL *3* @

CHLORIDE *6* @

ASC @

PUMP TRUCK CEMENTER *Bob R*

399 HELPER *Bugs*

BULK TRUCK # *341* DRIVER *Jacobs*

BULK TRUCK DRIVER

REMARKS:

*Pipe on bottom break circulation with Rig
w/ 1/2 Mx 1/2 ss Com 3% cc 2% gel.
Shut down release plug and displace truck
fluid blower and shut in
Cement did circulate*

SERVICE

DEPTH OF JOB *260*

PUMP TRUCK CHARGE @

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

CHARGE TO: *Credo*

STREET _____ TOTAL _____

PLUG & FLOAT EQUIPMENT

Wooden plug @

@

@

@

To Allied Cementing Co., 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.

TOTAL _____

PRINTED NAME *Robert Mills*

SALES TAX (If Any) _____ TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAY

SIGNATURE *R. Mills*

Thank you!

L-L-C CEMENTING CO., LLC.

035976

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Dolls

DATE <i>9/3/11</i>	SEC <i>3</i>	TWP <i>17</i>	RANGE <i>29</i>	LOCATION	ON LOCATION	JOB START	JOB FINISH
LEASE <i>Sandra</i>	WELL # <i>1-3</i>			<i>Holly 5 1/2 E No. E-20</i>	<i>top</i>	<i>1100</i>	<i>12500</i>
OLD OR NEW (Circle one)					COUNTY <i>Lawrence</i>	STATE <i>Ks</i>	

CONTRACTOR *WVH 10* OWNER *Same*

TYPE OF JOB *Production*

HOLE SIZE *7 1/2* T.D. *14*

CASING SIZE *5 1/2* DEPTH *4652.7*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL *D.V.* DEPTH *2279 - KB*

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT *19.76*

CEMENT LEFT IN CSG. *19.76*

PERFS.

DISPLACEMENT *Both 57420 577 mud top 5 1/2 460*

CEMENT

AMOUNT ORDERED *160 SKS ASC 1090 set - 220*

gel set Chlorite 400 SKS ALW 14 16 Flo Seal

Seal 890 gal ASP II

COMMON	@	
POZMIX	@	
GEL	@	<i>3</i>
CHLORIDE	@	
ASC	@	<i>19.89</i>
ALW	@	<i>14.50</i>
Chlorite	@	<i>23.95</i>
Flo Seal	@	<i>1.89</i>
WFR II	@	<i>1.22</i>

PUMP TRUCK CEMENTER *Alan*

422 HELPER *Wayne*

BULK TRUCK DRIVER *Earl*

394 DRIVER *Huston (68)*

REMARKS: *Contract Bid Not Circulated.*

HANDLING *635/11*

MILEAGE *1195/4 mile*

TOTAL *16549.25*

From City Cement Co. NY 500 CALVERT II

NY 0160SKS ASC. Water Trucks Co. in Dryden

Contract to Lathblower w/ 54 800 lb Dry Box 57800

w/ 800 PST TEST and Dry Cell. Est. held. Am. open.

Tool - Open tool, credit 2 ton, NY 80 SKS, 44 NY

380 SKS, Brown City Water Trucks Co. Displace 100

Tool w/ 500 PST TEST and Phys 200, 900, 700

Bid Close. I think you

lost around Nov 2 @ 25 000 out. Alan, Wayne, Earl

Star down to 1/4 800 lb for removal of displac.

CHARGE TO *Credo Peth Open Corp*

DEPTH OF JOB *4652.7*

PUMP TRUCK CHARGE *2405.22*

EXTRA FOOTAGE

MILEAGE *60X 2*

MANIFOLD *Head*

STUBS *de 60x2*

TOTAL *3925.22*

PLUG & FLOAT EQUIPMENT

<i>W</i>	<i>BU Tool 1</i>	<i>1</i>	<i>4921.22</i>
	<i>Basket</i>	<i>1</i>	<i>337.22</i>
	<i>Control lines</i>	<i>9</i>	<i>49.22</i>
	<i>cat & down assembly</i>	<i>1</i>	<i>277.22</i>
	<i>API float shoe</i>	<i>1</i>	<i>349.22</i>
			TOTAL <i>6225.20</i>

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SALES TAX (If Any) _____

PRINTED NAME *Don Guy* IF PAID IN 30 DAYS

SIGNATURE *Don Guy*