

Operator Name: Ritchie Exploration, Inc. Lease Name: Weber 15B Well #: 1
 Sec. 15 Twp. 12 S. R. 31 East West County: Gove

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Dual Induction Log Compensated Density/Neutron Log	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum <p style="text-align: center;">SEE ATTACHED</p> <p style="text-align: right; font-weight: bold; font-size: 1.2em;">KCC SEP 07 2010 CONFIDENTIAL</p>
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CASING RECORD <input checked="" 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
Surface	12-1/4	8-5/8	24	224	common	175	3%cc, 2%gel

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

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 <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

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SEP 08 2010

KCC WICHITA



RITCHIE

EXPLORATION, INC.
Wichita, Kansas

#1 Weber 15B

800' FNL & 970' FWL

140' S & 20' W of E/2 NW NW Section 15-12S-31W

Gove County, Kansas

API# 15-063-21843-0000

Elevation: GL: 2924', KB: 2934'

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SEP 07 2010
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Sample Tops		Ref.	Well
Anhydrite	2427'	+507	-6
B/Anhydrite	2449'	+485	-1
Heebner	3949'	-1015	-13
Toronto	3976'	-1042	-14
Lansing	3994'	-1060	-14
Lansing "C"	4024'	-1090	-14
Lansing "D"	4040'	-1106	-15
Lansing "E"	4061'	-1127	-15
Lansing "F"	4080'	-1146	-16
Muncie Creek	4130'	-1196	-14
Lansing "H"	4143'	-1209	-13
Lansing "I"	4172'	-1238	-12
Lansing "J"	4195'	-1261	-13
Stark	4208'	-1274	-11
Lansing "K"	4230'	-1296	-14
Lansing "L"	4257'	-1323	-11
BKC	4280'	-1346	-12
Altamont	4330'	-1396	-12
Myric	4441'	-1507	-13
Fort Scott	4464'	-1530	-13
Cherokee Shale	4486'	-1552	-9
Johnson	4530'	-1596	-9
B/Johnson	4545'	-1611	-14
Mississippian	4554'	-1620	-17
RTD	4635'	-1701	

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SEP 08 2010
KCC WICHITA

P.O. Box 783188
Wichita, Kansas 67278-3188

(316) 691-9500
Fax (316) 691-9550
rei@ritchie-exp.com

8100 E. 22nd St. N., Bldg. 700
Wichita, Kansas 67226-2328

ALLIED CEMENTING CO., LLC. 039318

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

SERVICE POINT:
Oakley

DATE <u>6-8-10</u>	SEC <u>15</u>	TWP <u>72S</u>	RANGE <u>31W</u>	CALLED OUT	ON LOCATION	JOB START <u>12:00pm</u>	JOB FINISH <u>1:00pm</u>
LEASE <u>Weber 15B</u>	WELL # <u>1</u>	LOCATION <u>Oakley 75 51E</u>	COUNTY <u>Gove</u>	STATE <u>KS</u>			
OLD OR (NEW) (Circle one) <u>NEW</u>			SINTO				

CONTRACTOR Murfin Drilling Rig 14 OWNER Same

TYPE OF JOB PTA
 HOLE SIZE 7 7/8 T.D. 4635'
 CASING SIZE _____ DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 DEPTH 2430'
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT _____

CEMENT
 AMOUNT ORDERED 220 sks 6/40
40 gel 14 Flo-seal

COMMON	<u>132 sks</u>	@	<u>15.45</u>	<u>2039.40</u>
POZMIX	<u>88 sks</u>	@	<u>8.00</u>	<u>704.00</u>
GEL	<u>7 sks</u>	@	<u>20.80</u>	<u>145.60</u>
CHLORIDE		@		
ASC		@		
	<u>Flo-seal 55th</u>	@	<u>2.50</u>	<u>137.50</u>
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>229 sks</u>	@	<u>2.40</u>	<u>549.60</u>
MILEAGE	<u>104 sk/mile</u>			<u>297.70</u>
				TOTAL <u>3873.80</u>

EQUIPMENT

PUMP TRUCK CEMENTER Andrew
 # 431 HELPER Kelly
 BULK TRUCK
 # 377 DRIVER Larene
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

25 sks @ 2430'
100 sks @ 1525'
40 sks @ 275'
10 sks @ 40'
MH 15 sks
RH 30 sks

thank you

CHARGE TO: Ritchie Exploration
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>1185.00</u>
EXTRA FOOTAGE	@		
MILEAGE	<u>13 miles</u>	@	<u>7.00</u> <u>91.00</u>
MANIFOLD	@		
	@		
TOTAL <u>1276.00</u>			

PLUG & FLOAT EQUIPMENT

<u>1 Dry hole plug</u>	@	<u>40.00</u>
	@	
	@	
	@	
TOTAL <u>40.00</u>		

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.

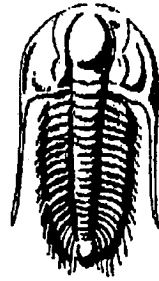
PRINTED NAME Cory Strub
 SIGNATURE Cory Strub

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS

KCC
 SEP 07 2010
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 SEP 08 2010
 KCC WICHITA

FL



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration, Inc.**

POB 783188
Wichita, KS 67278-3188

ATTN: Mike Engelbrecht

15-12-31 Gove, KS

#1 Weber 15B

Start Date: 2010.06.02 @ 16:25:00

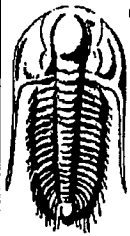
End Date: 2010.06.02 @ 19:22:40

Job Ticket #: 38921 DST #: 1

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SEP 08 2010
KCC WICHITA**

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Ritchie Exploration, Inc.

#1 Weber 15B

POB 783188
Wichita, KS 67278-3188

15-12-31 Gove, KS

Job Ticket: 38921

DST#: 1

ATTN: Mike Engelbrecht

Test Start: 2010.06.02 @ 16:25:00

GENERAL INFORMATION:

Formation: **Lansing 'C'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 19:22:40

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: **4016.00 ft (KB) To 4040.00 ft (KB) (TVD)**

Reference Elevations: 2934.00 ft (KB)

Total Depth: 4040.00 ft (KB) (TVD)

2924.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8357 Inside

Press@RunDepth: psig @ 4017.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.06.02

End Date: 2010.06.02

Last Calib.: 2010.06.02

Start Time: 16:25:05

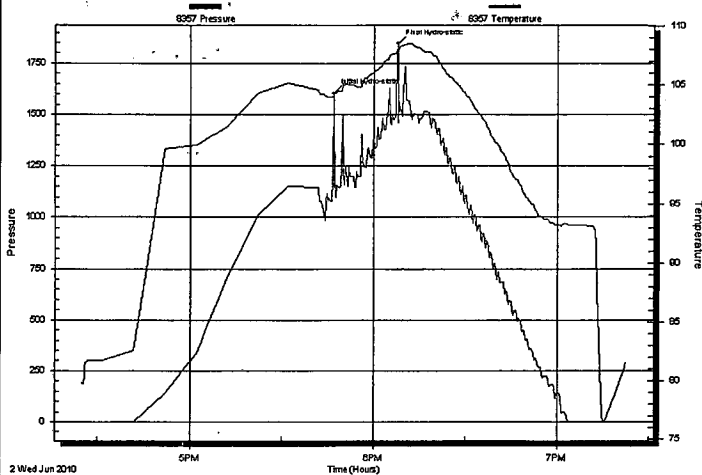
End Time: 19:22:40

Time On Btm: 2010.06.02 @ 17:46:50

Time Off Btm: 2010.06.02 @ 18:07:50

TEST COMMENT: Had tight spots during trip into hole @ 2300 feet then again at 3000 feet. Decision was to pull out and condition the hole with new mud.

Pressure vs. Time



PRESSURE SUMMARY

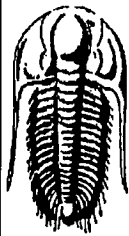
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1604.38	104.28	Initial Hydro-static
21	1846.35	108.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration, Inc.

#1 Weber 15B

POB 783188
Wichita, KS 67278-3188

15-12-31 Gove, KS

Job Ticket: 38921

DST#: 1

ATTN: Mike Engelbrecht

Test Start: 2010.06.02 @ 16:25:00

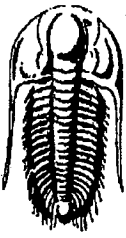
Tool Information

Drill Pipe:	Length: 3457.00 ft	Diameter: 3.80 inches	Volume: 48.49 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: lb
Drill Collar:	Length: 540.00 ft	Diameter: 2.25 inches	Volume: 2.66 bbl	Weight to Pull Loose: lb
			<u>Total Volume: 51.15 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	3.50 ft			String Weight: Initial lb
Depth to Top Packer:	4016.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	46.50 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			3994.50	
Shut In Tool	5.00			3999.50	
Hydraulic tool	5.00			4004.50	
Safety Joint	2.50			4007.00	
Packer	5.00			4012.00	22.50 Bottom Of Top Packer
Packer	4.00			4016.00	
Stubb	1.00			4017.00	
Recorder	0.00	8357	Inside	4017.00	
Recorder	0.00	6751	Outside	4017.00	
Perforations	20.00			4037.00	
Bullnose	3.00			4040.00	24.00 Bottom Packers & Anchor

Total Tool Length: 46.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration, Inc.

#1 Weber 15B

POB 783188
Wichita, KS 67278-3188

15-12-31 Gove, KS

Job Ticket: 38921

DST#: 1

ATTN: Mike Engelbrecht

Test Start: 2010.06.02 @ 16:25:00

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.70 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl

Total Length:

ft

Total Volume:

bbbl

Num Fluid Samples: 0

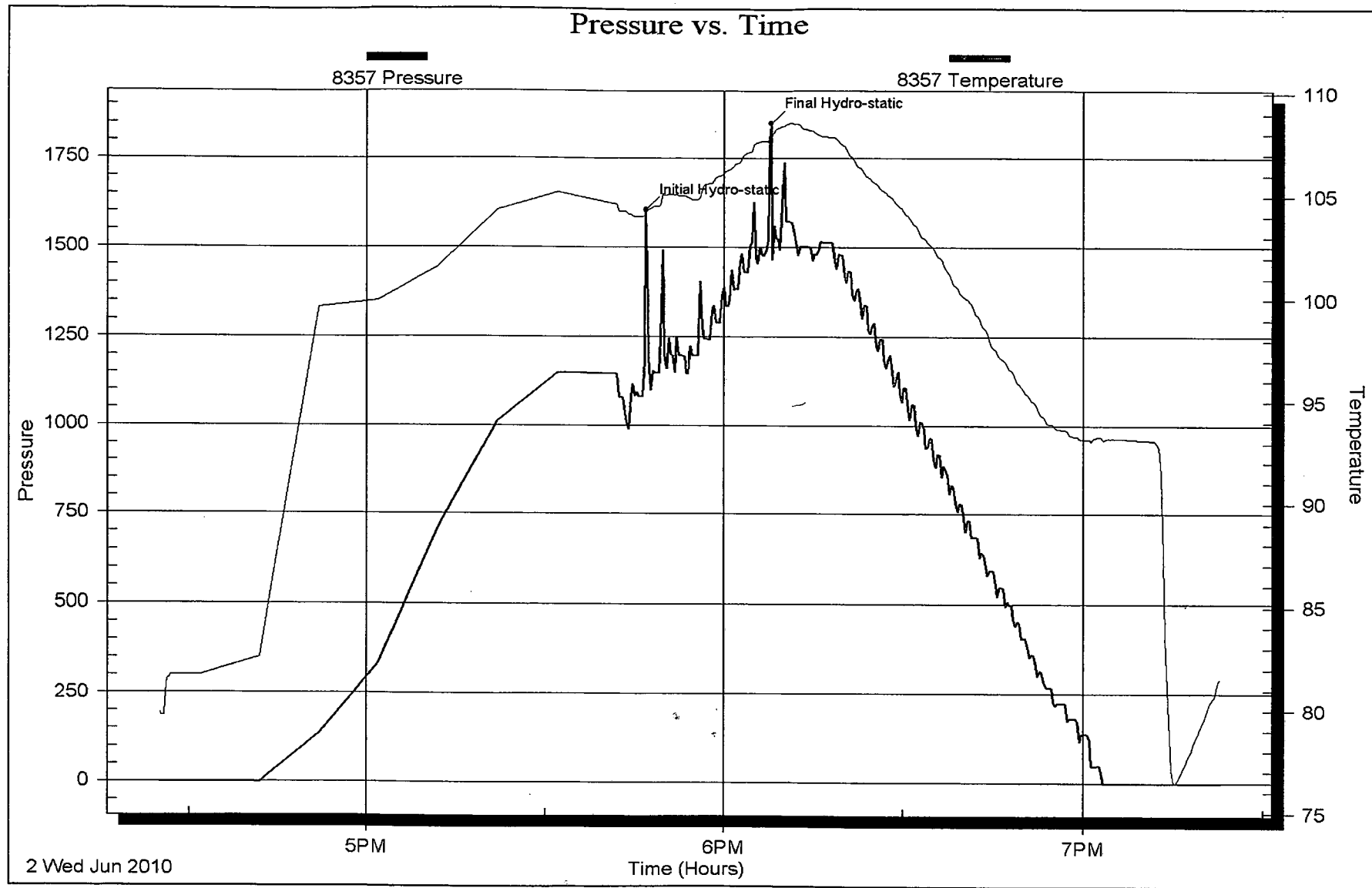
Num Gas Bombs: 0

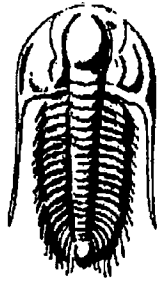
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration, Inc.**

POB 783188
Wichita, KS 67278-3188

ATTN: Mike Engelbrecht

15-12-31 Gove, KS

#1 Weber 15B

Start Date: 2010.06.03 @ 01:12:03

End Date: 2010.06.03 @ 07:39:12

Job Ticket #: 38922 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Ritchie Exploration, Inc.

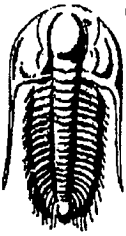
#1 Weber 15B

15-12-31 Gove, KS

DST # 2

Lansing, C.

2010.06.03



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Ritchie Exploration, Inc.

#1 Weber 15B

POB 783188
Wichita, KS 67278-3188

15-12-31 Gove, KS

Job Ticket: 38922

DST#: 2

ATTN: Mike Engelbrecht

Test Start: 2010.06.03 @ 01:12:03

GENERAL INFORMATION:

Formation: **Lansing 'C'**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 03:00:03
 Time Test Ended: 07:39:12

Test Type: **Conventional Bottom Hole**
 Tester: **Chuck Smith**
 Unit No: **37**

Interval: **4016.00 ft (KB) To 4040.00 ft (KB) (TVD)**
 Total Depth: **4040.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2934.00 ft (KB)**
2924.00 ft (CF)
 KB to GR/CF: **10.00 ft**

Serial #: 8357

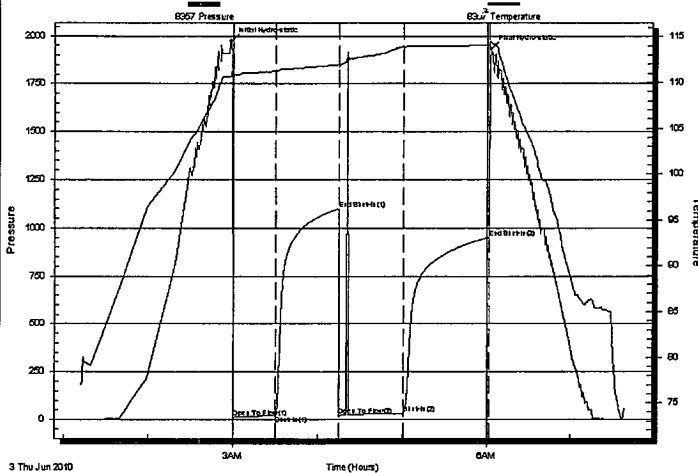
Inside

Press@RunDepth: **31.81 psig @ 4017.00 ft (KB)**
 Start Date: **2010.06.03** End Date: **2010.06.03**
 Start Time: **01:12:08** End Time: **07:39:13**

Capacity: **8000.00 psig**
 Last Calib.: **2010.06.03**
 Time On Btm: **2010.06.03 @ 02:58:23**
 Time Off Btm: **2010.06.03 @ 06:02:42**

TEST COMMENT: IF: 3/4" Blow died @ 22 min.
 IS: No return.
 FF: No Blow, flushed tool, surge died.
 FSI: No return.

Pressure vs. Time



PRESSURE SUMMARY

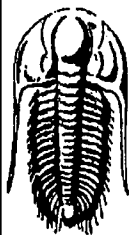
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1973.09	110.75	Initial Hydro-static
2	11.34	110.77	Open To Flow (1)
32	20.04	111.30	Shut-In(1)
77	1098.81	112.01	End Shut-In(1)
77	22.53	111.68	Open To Flow (2)
123	31.81	113.93	Shut-In(2)
183	950.63	114.14	End Shut-In(2)
185	1931.62	114.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	M 100%M Spots oil in tool	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration, Inc.

#1 Weber 15B

POB 783188
Wichita, KS 67278-3188

15-12-31 Gove, KS

Job Ticket: 38922

DST#: 2

ATTN: Mike Engelbrecht

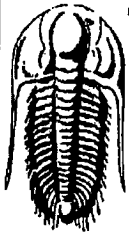
Test Start: 2010.06.03 @ 01:12:03

Tool Information

Drill Pipe:	Length: 3457.00 ft	Diameter: 3.80 inches	Volume: 48.49 bbl	Tool Weight: 2100.00 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: 540.00 ft	Diameter: 2.25 inches	Volume: 2.66 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 51.15 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.50 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4016.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	46.50 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			3994.50	
Shut In Tool	5.00			3999.50	
Hydraulic tool	5.00			4004.50	
Safety Joint *	2.50			4007.00	
Packer	5.00			4012.00	22.50 Bottom Of Top Packer
Packer	4.00			4016.00	
Stubb	1.00			4017.00	
Recorder	0.00	8357	Inside	4017.00	
Recorder	0.00	6751	Outside	4017.00	
Perforations	20.00			4037.00	
Bullnose	3.00			4040.00	24.00 Bottom Packers & Anchor
Total Tool Length:	46.50				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration, Inc.

#1 Weber 15B

POB 783188
Wichita, KS 67278-3188

15-12-31 Gove, KS

Job Ticket: 38922

DST#: 2

ATTN: Mike Engelbrecht

Test Start: 2010.06.03 @ 01:12:03

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:

bbbl

Water Loss: 7.12 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	M 100%M Spots oil in tool	0.098

Total Length:

20.00 ft

Total Volume:

bbl

Num Fluid Samples: 0

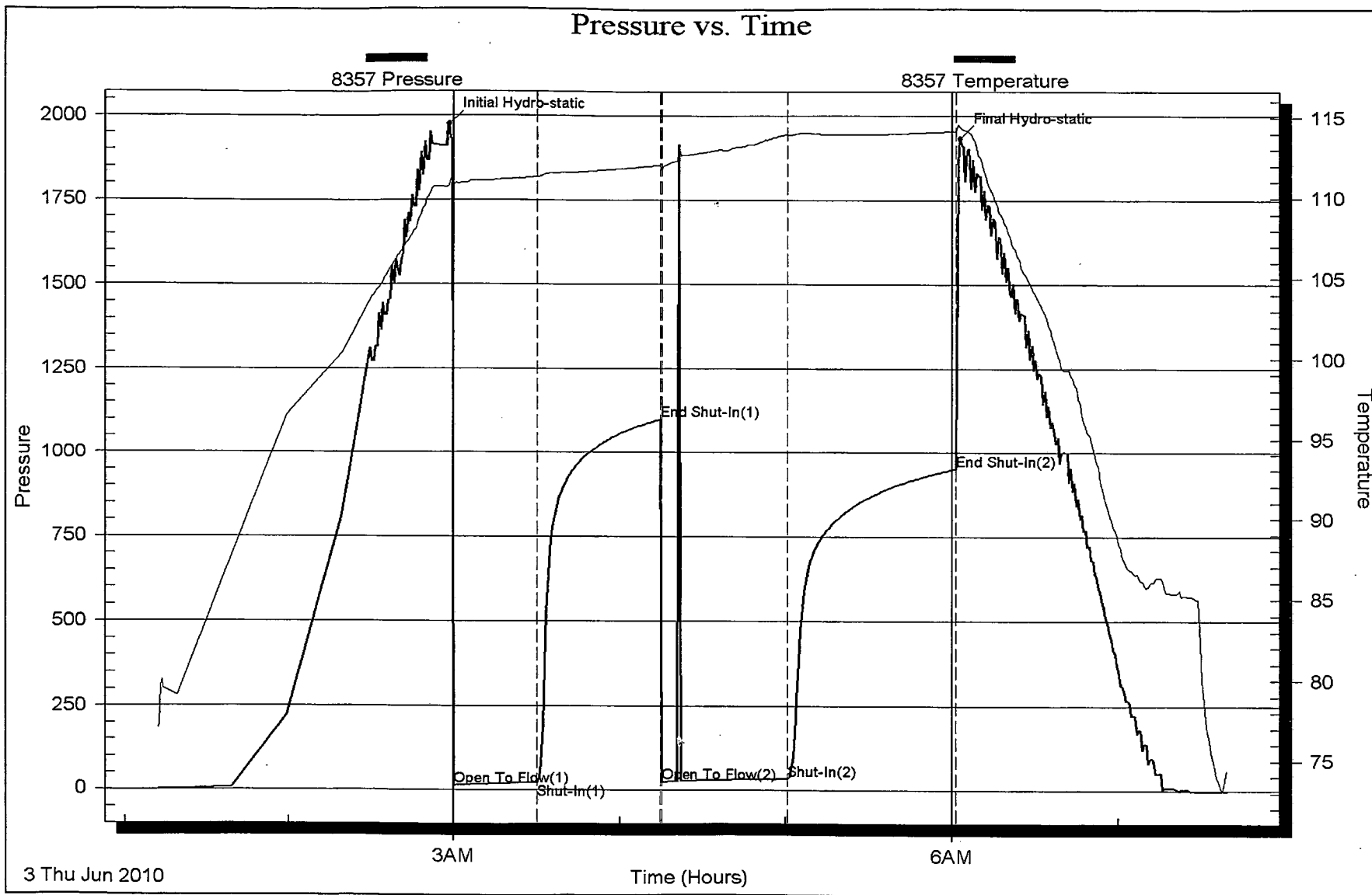
Num Gas Bombs: 0

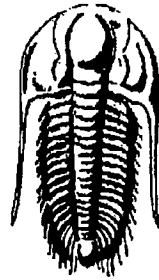
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration, Inc.**

POB 783188
Wichita, KS 67278-3188

ATTN: Mike Engelbrecht

15-12-31 Gove, KS

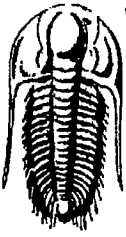
#1 Weber 15B

Start Date: 2010.06.03 @ 15:35:00

End Date: 2010.06.03 @ 21:01:30

Job Ticket #: 38923 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

Ritchie Exploration, Inc.

#1 Weber 15B

POB 783188
Wichita, KS 67278-3188

15-12-31 Gove, KS

Job Ticket: 38923

DST#: 3

ATTN: Mike Engelbrecht

Test Start: 2010.06.03 @ 15:35:00

GENERAL INFORMATION:

Formation: **Lans 'E**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 17:18:30
 Time Test Ended: 21:01:30

Test Type: **Conventional Bottom Hole**
 Tester: **Chuck Smith**
 Unit No: **37**

Interval: **4056.00 ft (KB) To 4078.00 ft (KB) (TVD)**
 Total Depth: **4078.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2934.00 ft (KB)**
2924.00 ft (CF)
 KB to GR/CF: **10.00 ft**

Serial #: 8357

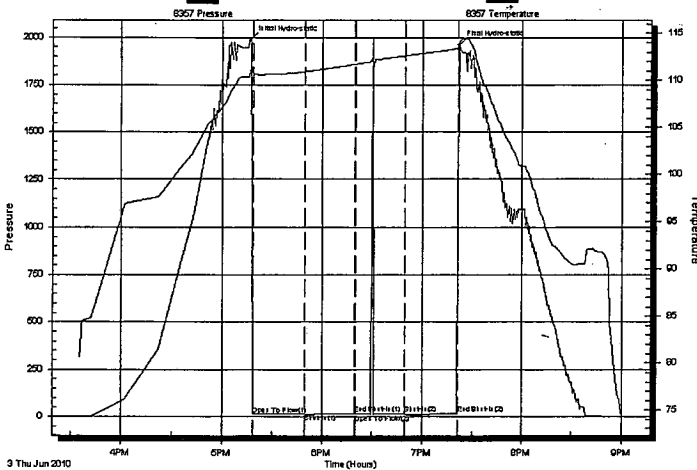
Inside

Press@RunDepth: **14.06 psig @ 4057.00 ft (KB)**
 Start Date: **2010.06.03** End Date: **2010.06.03**
 Start Time: **15:35:05** End Time: **21:01:29**

Capacity: **8000.00 psig**
 Last Calib.: **2010.06.03**
 Time On Btm: **2010.06.03 @ 17:17:10**
 Time Off Btm: **2010.06.03 @ 19:21:40**

TEST COMMENT: IF: Surface blow died @ 3 min.
 IS: No return.
 FF: No blow, flushed tool, surge died.
 FSI: Noe return.

Pressure vs. Time



PRESSURE SUMMARY

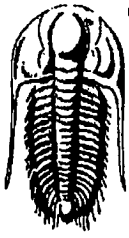
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1986.77	111.06	Initial Hydro-static
2	13.08	110.58	Open To Flow (1)
33	13.37	110.92	Shut-In(1)
63	15.54	111.72	End Shut-In(1)
63	12.89	111.73	Open To Flow (2)
93	14.06	112.62	Shut-In(2)
124	15.93	113.37	End Shut-In(2)
125	1961.01	114.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	M 100%M Spot of oil in tool.	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration, Inc.

#1 Weber 15B

POB 783188
Wichita, KS 67278-3188

15-12-31 Gove, KS

Job Ticket: 38923

DST#: 3

ATTN: Mike Engelbrecht

Test Start: 2010.06.03 @ 15:35:00

Tool Information

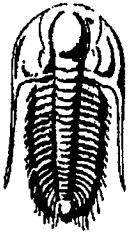
Drill Pipe:	Length: 3520.00 ft	Diameter: 3.80 inches	Volume: 49.38 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 540.00 ft	Diameter: 2.25 inches	Volume: 2.66 bbl	Weight to Pull Loose: 84000.00 lb
		Total Volume:	52.04 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.50 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4056.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	44.50 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			4034.50	
Shut In Tool	5.00			4039.50	
Hydraulic tool	5.00			4044.50	
Safety Joint	2.50			4047.00	
Packer	5.00			4052.00	22.50 Bottom Of Top Packer
Packer	4.00			4056.00	
Stubb	1.00			4057.00	
Recorder	0.00	8357	Inside	4057.00	
Recorder	0.00	6751	Outside	4057.00	
Perforations	18.00			4075.00	
Bullnose	3.00			4078.00	22.00 Bottom Packers & Anchor

Total Tool Length: 44.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration, Inc.

#1 Weber 15B

POB 783188
Wichita, KS 67278-3188

15-12-31 Gove, KS

Job Ticket: 38923

DST#: 3

ATTN: Mike Engelbrecht

Test Start: 2010.06.03 @ 15:35:00

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.91 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
5.00	M 100%M Spot of oil in tool.	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

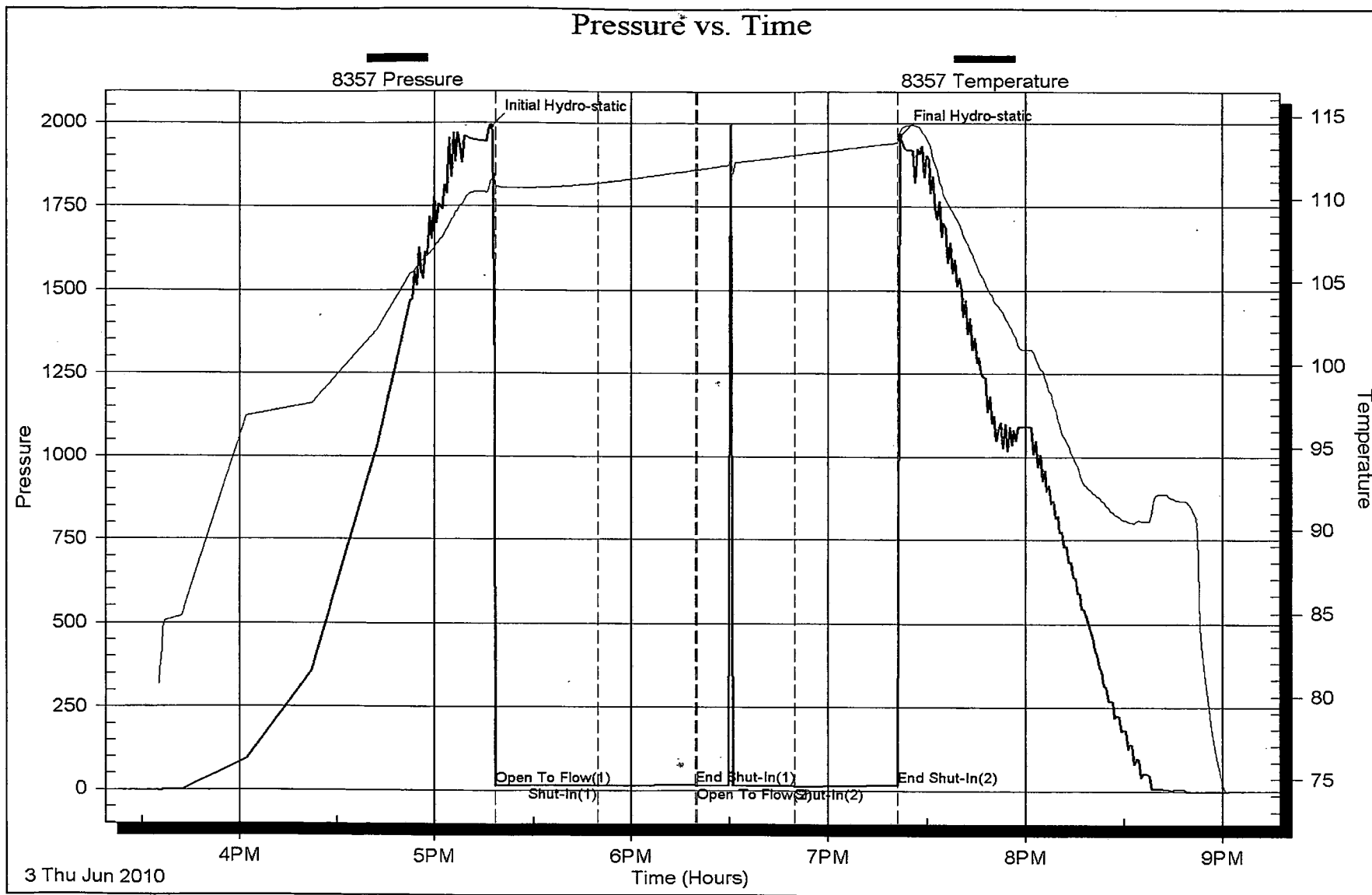
Num Gas Bombs: 0

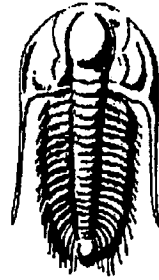
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration, Inc.**

POB 783188
Wichita, KS 67278-3188

ATTN: Mike Engelbrecht

15-12-31 Gove, KS

#1 Weber 15B

Start Date: 2010.06.04 @ 12:13:00

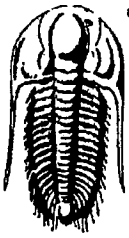
End Date: 2010.06.04 @ 19:26:20

Job Ticket #: 38924 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

Ritchie Exploration, Inc.-

#1 Weber 15B

POB 783188
Wichita, KS 67278-3188

15-12-31 Gove, KS

Job Ticket: 38924

DST#: 4

ATTN: Mike Engelbrecht

Test Start: 2010.06.04 @ 12:13:00

GENERAL INFORMATION:

Formation: **LKC 'H,I'**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 14:17:20
Time Test Ended: 19:26:20

Test Type: **Conventional Bottom Hole**
Tester: **Chuck Smith**
Unit No: **37**

Interval: **4120.00 ft (KB) To 4190.00 ft (KB) (TVD)**
Total Depth: **4190.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2934.00 ft (KB)**
2924.00 ft (CF)
KB to GR/CF: **10.00 ft**

Serial #: 8357

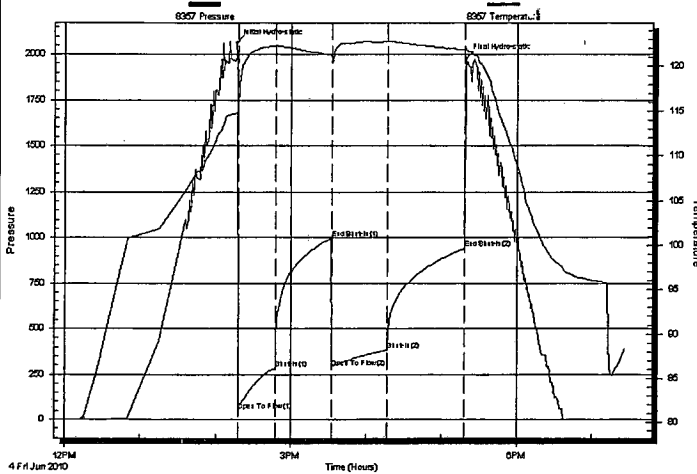
Inside

Press@RunDepth: **382.71 psig @ 4124.00 ft (KB)**
Start Date: **2010.06.04** End Date: **2010.06.04**
Start Time: **12:13:05** End Time: **19:26:20**

Capacity: **8000.00 psig**
Last Calib.: **2010.06.04**
Time On Btm: **2010.06.04 @ 14:16:10**
Time Off Btm: **2010.06.04 @ 17:19:00**

TEST COMMENT: IF: B.O.B. @ 12 min.
IS: No return.
FF: 9' Slow building blow.
FSI: No return.

Pressure vs. Time



PRESSURE SUMMARY

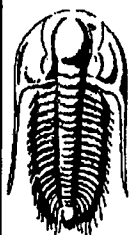
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2062.48	114.78	Initial Hydro-static
2	46.66	114.33	Open To Flow (1)
32	279.91	122.29	Shut-In(1)
76	996.43	121.33	End Shut-In(1)
77	288.11	120.85	Open To Flow (2)
121	382.71	122.80	Shut-In(2)
182	940.27	121.92	End Shut-In(2)
183	1977.73	121.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
540.00	MV 10%M 90%W Popping gas	2.66
250.00	MV 40%M 60%W	3.51
0.00	Oil spots in tool	0.00
0.00	RW: .080 @ 100 Degrees F = 67000 PPM	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration, Inc.

#1 Weber 15B

POB 783188
Wichita, KS 67278-3188

15-12-31 Gove, KS

Job Ticket: 38924

DST#: 4

ATTN: Mike Engelbrecht

Test Start: 2010.06.04 @ 12:13:00

Tool Information

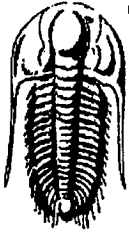
Drill Pipe:	Length: 3584.00 ft	Diameter: 3.80 inches	Volume: 50.27 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 540.00 ft	Diameter: 2.25 inches	Volume: 2.66 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 52.93 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.50 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4120.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	92.50 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			4098.50	
Shut In Tool	5.00			4103.50	
Hydraulic tool	5.00			4108.50	
Safety Joint	2.50			4111.00	
Packer	5.00			4116.00	22.50 Bottom Of Top Packer
Packer	4.00			4120.00	
Stubb	1.00			4121.00	
Perforations	3.00			4124.00	
Recorder	0.00	8357	Inside	4124.00	
Recorder	0.00	6751	Outside	4124.00	
Perforations	30.00			4154.00	
Change Over Sub	1.00			4155.00	
Drill Pipe	31.00			4186.00	
Change Over Sub	1.00			4187.00	
Bullnose	3.00			4190.00	70.00 Bottom Packers & Anchor

Total Tool Length: 92.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration, Inc.

#1 Weber 15B

POB 783188
Wchita, KS 67278-3188

15-12-31 Gove, KS

Job Ticket: 38924

DST#: 4

ATTN: Mike Engelbrecht

Test Start: 2010.06.04 @ 12:13:00

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:

67000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.91 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
540.00	MV 10%M 90%W Popping gas	2.656
250.00	MV 40%M 60%W	3.507
0.00	Oil spots in tool	0.000
0.00	RW: .080 @ 100 Degrees F = 67000 PPM	0.000

Total Length: 790.00 ft

Total Volume: 6.163 bbf

Num Fluid Samples: 0

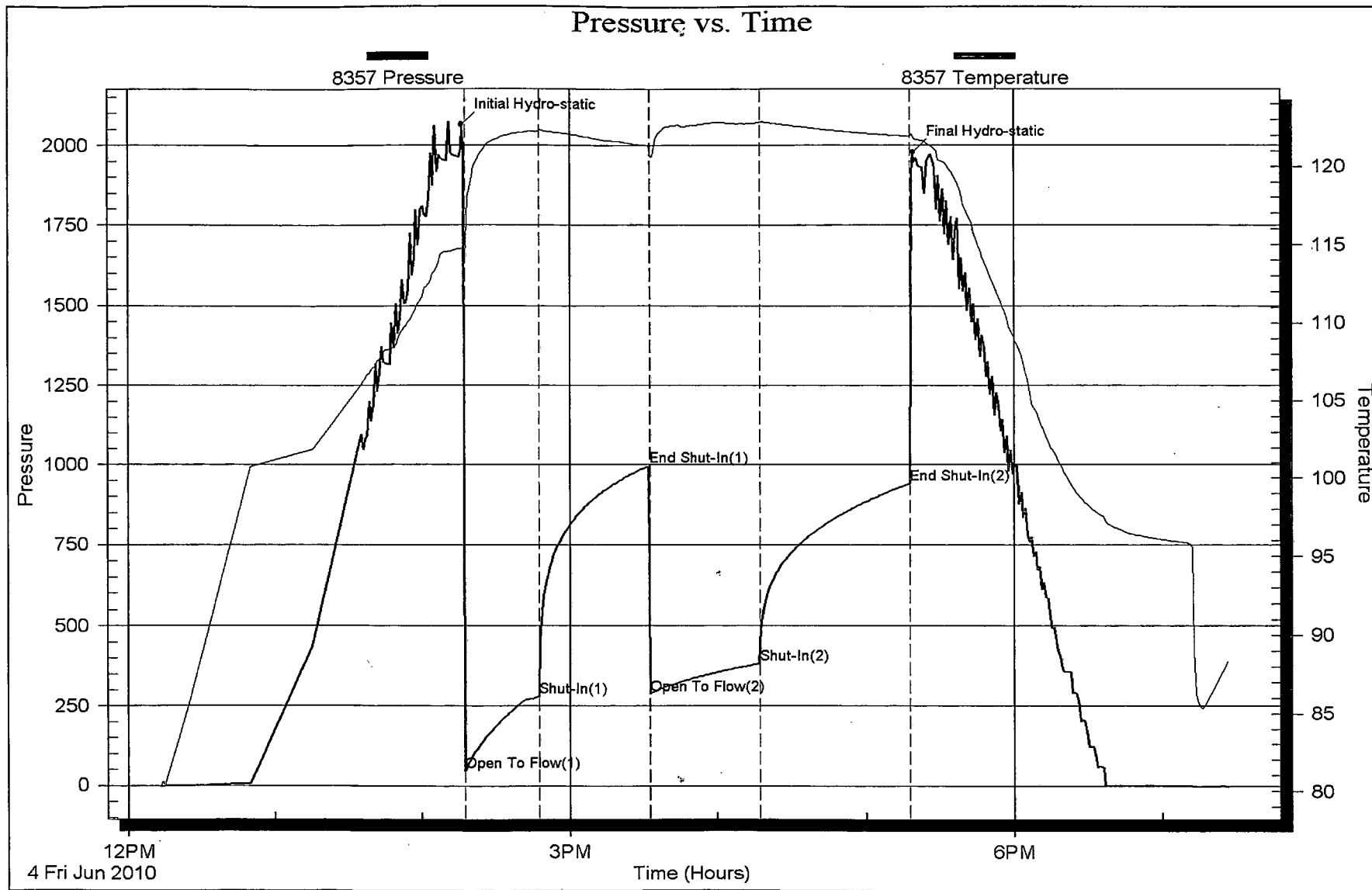
Num Gas Bombs: 0

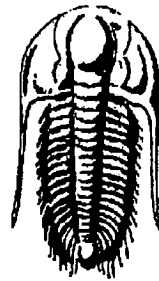
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration, Inc.**

POB 783188
Wichita, KS 67278-3188

ATTN: Mike Engelbrecht

15-12-31 Gove, KS

#1 Weber 15B

Start Date: 2010.06.05 @ 08:04:34

End Date: 2010.06.05 @ 14:28:58

Job Ticket #: 38261 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Ritchie Exploration, Inc.

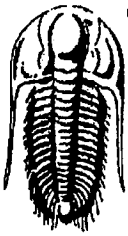
#1 Weber 15B

15-12-31 Gove, KS

DST # 5

J-L

2010.06.05



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Ritchie Exploration, Inc.

#1 Weber 15B

POB 783188
Wichita, KS 67278-3188

15-12-31 Gove, KS

Job Ticket: 38261

DST#: 5

ATTN: Mike Engelbrecht

Test Start: 2010.06.05 @ 08:04:34

GENERAL INFORMATION:

Formation: **J-L**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: **10:00:59**
 Time Test Ended: **14:28:58**
 Test Type: **Conventional Bottom Hole**
 Tester: **Mike Roberts**
 Unit No: **37**
 Interval: **4180.00 ft (KB) To 4276.00 ft (KB) (TVD)**
 Reference Elevations: **2934.00 ft (KB)**
2924.00 ft (CF)
 Total Depth: **4276.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 KB to GR/CF: **10.00 ft**

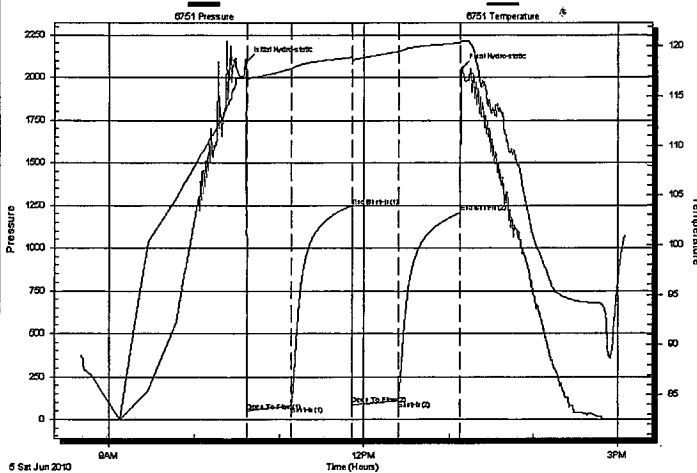
Serial #: 6751

Outside

Press@RunDepth: **107.70 psig @ 4250.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.06.05** End Date: **2010.06.05** Last Calib.: **2010.06.05**
 Start Time: **08:40:34** End Time: **15:04:58** Time On Btm: **2010.06.05 @ 10:36:49**
 Time Off Btm: **2010.06.05 @ 13:09:08**

TEST COMMENT: IF: Built to 1/8" blow
 IS: No return blow
 FF: No blow
 FS: No return blow

Pressure vs. Time



PRESSURE SUMMARY

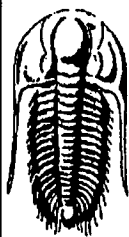
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2100.46	117.00	Initial Hydro-static
1	49.71	116.12	Open To Flow (1)
32	79.58	117.76	Shut-In(1)
75	1245.00	118.90	End Shut-In(1)
76	85.62	118.27	Open To Flow (2)
108	107.70	119.47	Shut-In(2)
151	1205.44	120.31	End Shut-In(2)
153	2056.83	120.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	100% m	0.49

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration, Inc.

#1 Weber 15B

POB 783188
Wichita, KS 67278-3188

15-12-31 Gove, KS

Job Ticket: 38261

DST#: 5

ATTN: Mike Engelbrecht

Test Start: 2010.06.05 @ 08:04:34

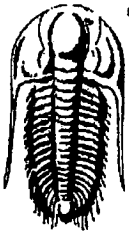
Tool Information

Drill Pipe:	Length: 3647.00 ft	Diameter: 3.80 inches	Volume: 51.16 bbl	Tool Weight: 2100.00 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: 540.00 ft	Diameter: 2.25 inches	Volume: 2.66 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 53.82 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.50 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4180.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	96.00 ft			
Tool Length:	118.50 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			4158.50	
Shut In Tool	5.00			4163.50	
Hydraulic tool	5.00			4168.50	
Safety Joint	2.50			4171.00	
Packer	5.00			4176.00	22.50 Bottom Of Top Packer
Packer	4.00			4180.00	
Stubb	1.00			4181.00	
Perforations	3.00			4184.00	
Change Over Sub	1.00			4185.00	
Drill Pipe	64.00			4249.00	
Change Over Sub	1.00			4250.00	
Recorder	0.00	8357	Inside	4250.00	
Recorder	0.00	6751	Outside	4250.00	
Perforations	23.00			4273.00	
Bullnose	3.00			4276.00	96.00 Bottom Packers & Anchor

Total Tool Length: 118.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration, Inc.

#1 Weber 15B

POB 783188
Wichita, KS 67278-3188

15-12-31 Gove, KS

Job Ticket: 38261

DST#: 5

ATTN: Mike Engelbrecht

Test Start: 2010.06.05 @ 08:04:34

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: 53.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.41 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	100%m	0.492

Total Length: 100.00 ft Total Volume: 0.492 bbl

Num Fluid Samples: 0

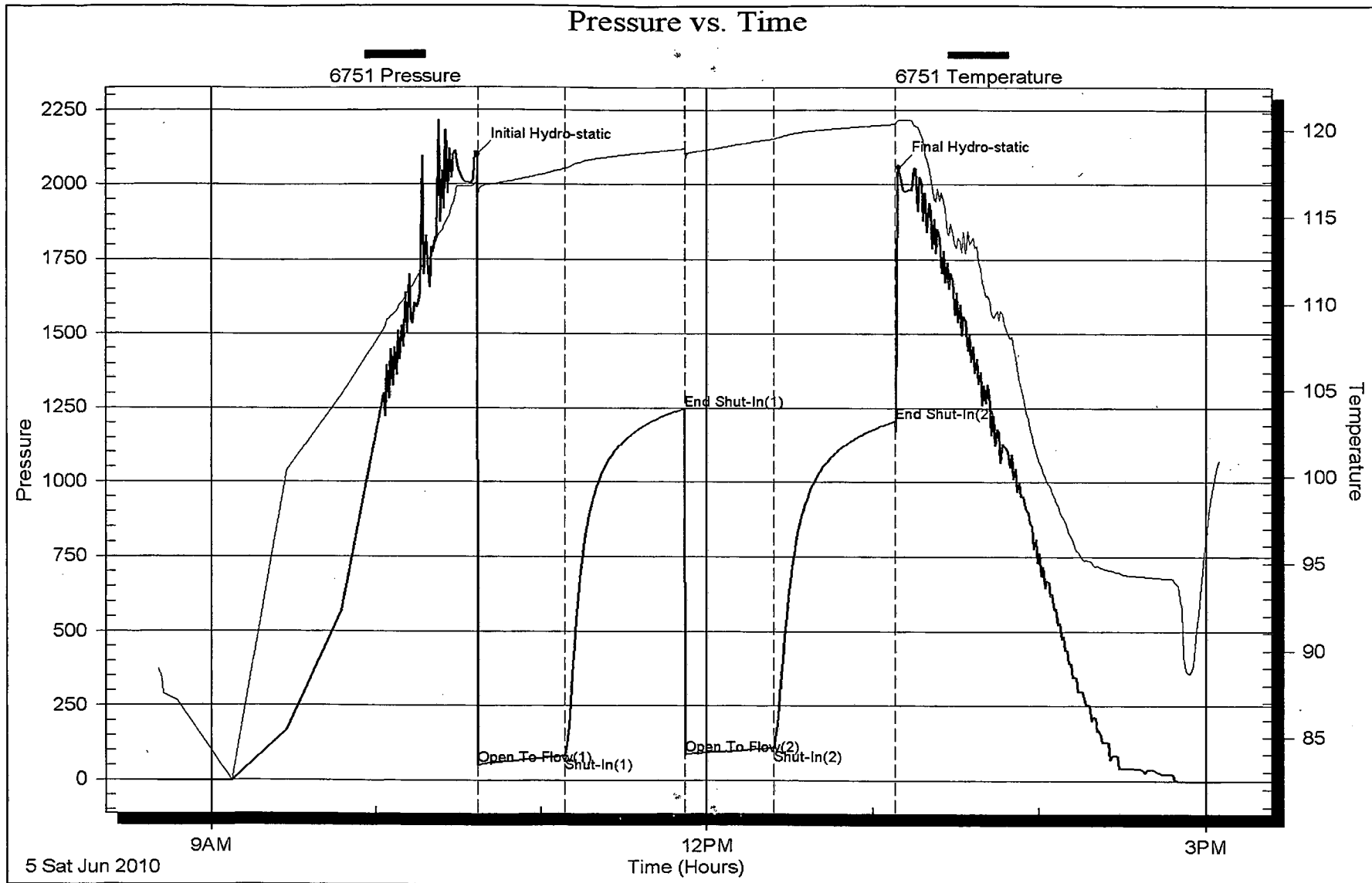
Num Gas Bombs: 0

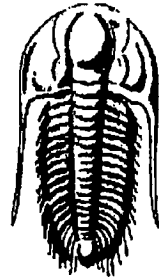
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration, Inc.**

POB 783188
Wichita, KS 67278-3188

ATTN: Mike Engelbrecht

15-12-31 Gove, KS

#1 Weber 15B

Start Date: 2010.06.06 @ 11:38:00

End Date: 2010.06.06 @ 17:30:00

Job Ticket #: 38263 DST #: 6

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Ritchie Exploration, Inc.

#1 Weber 15B

15-12-31 Gove, KS

DST # 6

Ft.Scott

2010.06.06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration, Inc.

#1 Weber 15B

POB 783188
Wichita, KS 67278-3188

15-12-31 Gove, KS

Job Ticket: 38263

DST#: 6

ATTN: Mike Engelbrecht

Test Start: 2010.06.06 @ 11:38:00

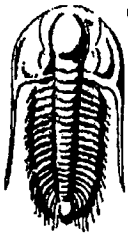
Tool Information

Drill Pipe:	Length: 3990.00 ft	Diameter: 3.80 inches	Volume: 55.97 bbl	Tool Weight: 2100.00 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: 540.00 ft	Diameter: 2.25 inches	Volume: 2.66 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 58.63 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	103.50 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4449.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	59.50 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			4427.50	
Shut In Tool	5.00			4432.50	
Hydraulic tool	5.00			4437.50	
Safety Joint	2.50			4440.00	
Packer	5.00			4445.00	22.50 Bottom Of Top Packer
Packer	4.00			4449.00	
Stubb	1.00			4450.00	
Recorder	0.00	8357	Inside	4450.00	
Recorder	0.00	6751	Outside	4450.00	
Perforations	33.00			4483.00	
Bullnose	3.00			4486.00	37.00 Bottom Packers & Anchor

Total Tool Length: 59.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration, Inc.

#1 Weber 15B

POB 783188
Wichita, KS 67278-3188

15-12-31 Gove, KS

Job Ticket: 38263

DST#: 6

ATTN: Mike Engelbrecht

Test Start: 2010.06.06 @ 11:38:00

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.70 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
5.00	100% m	0.025

Total Length:

5.00 ft

Total Volume:

bbbl

Num Fluid Samples: 0

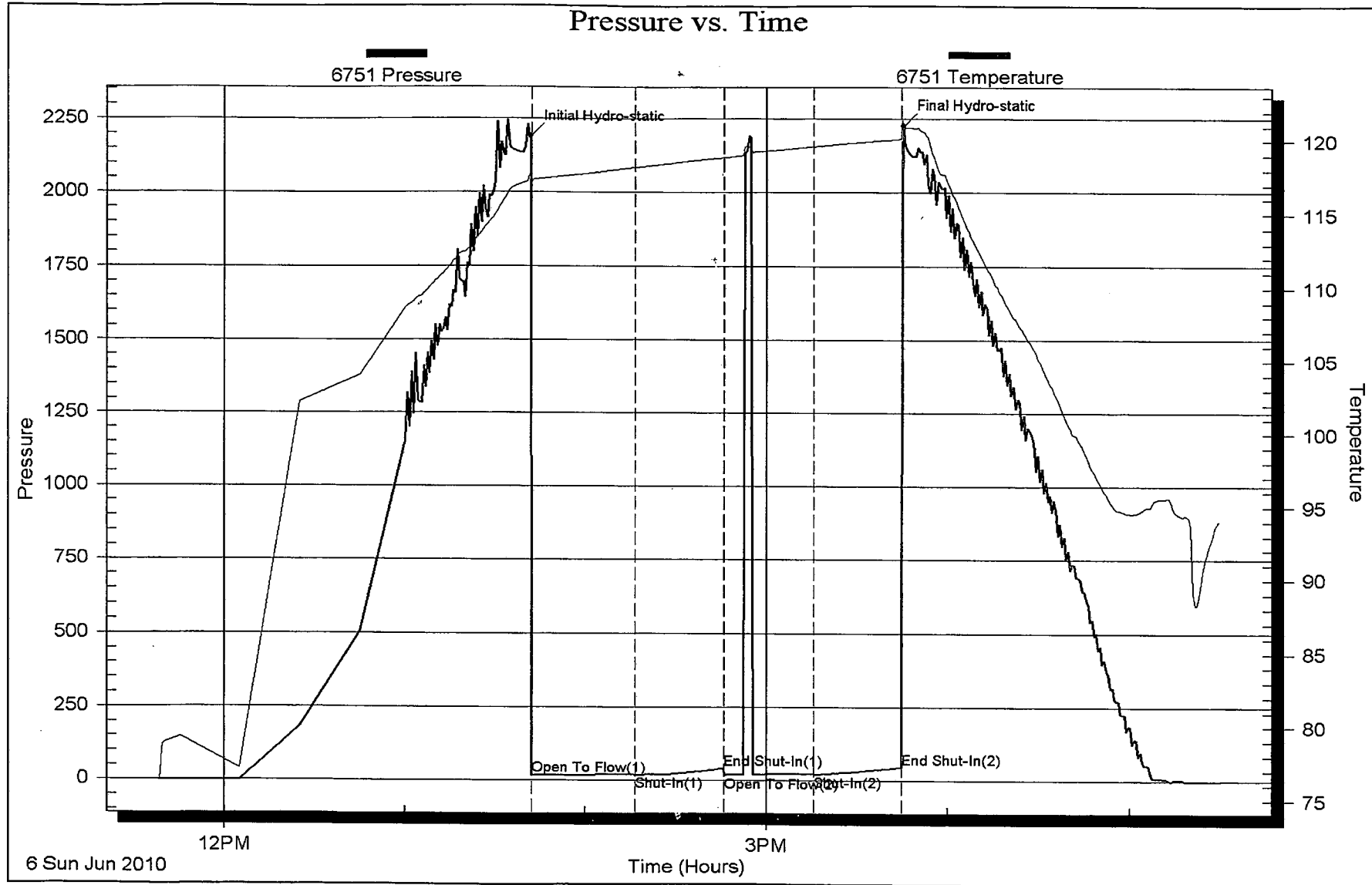
Num Gas Bombs: 0

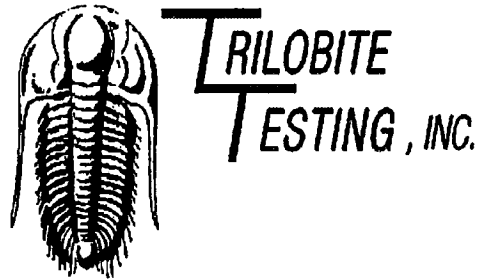
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration, Inc.**

POB 783188
Wichita, KS 67278-3188

ATTN: Mike Engelbrecht

15-12-31 Gove, KS

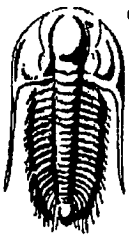
#1 Weber 15B

Start Date: 2010.06.07 @ 04:03:05

End Date: 2010.06.07 @ 10:23:29

Job Ticket #: 38363 DST #: 7

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Ritchie Exploration, Inc.

#1 Weber 15B

POB 783188
Wichita, KS 67278-3188

15-12-31 Gove, KS

Job Ticket: 38363

DST#: 7

ATTN: Mike Engelbrecht

Test Start: 2010.06.07 @ 04:03:05

GENERAL INFORMATION:

Formation: **CK- Johnson**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 06:09:20

Time Test Ended: 10:23:29

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 37

Interval: **4482.00 ft (KB) To 4548.00 ft (KB) (TVD)**

Total Depth: 4548.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2934.00 ft (KB)

2924.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6751 Outside

Press@RunDepth: 35.35 psig @ 4482.00 ft (KB)

Start Date: 2010.06.07

End Date:

2010.06.07

Start Time: 04:03:05

End Time:

10:23:29

Capacity: 8000.00 psig

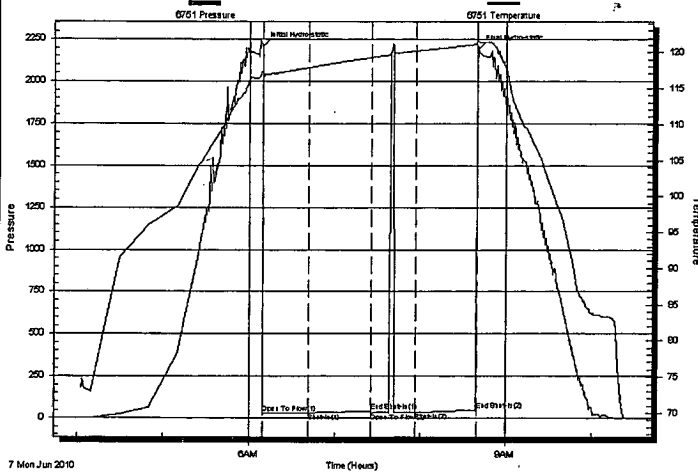
Last Calib.: 2010.06.07

Time On Btm 2010.06.07 @ 06:09:10

Time Off Btm 2010.06.07 @ 08:40:29

TEST COMMENT: IF: Built to 1/8" blow
IS: No return blow
FF: No blow - Flushed tool- No blow
FS: No return blow

Pressure vs. Time



PRESSURE SUMMARY

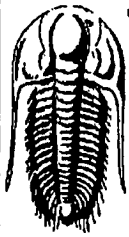
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2211.86	117.30	Initial Hydro-static
1	30.12	116.07	Open To Flow (1)
33	32.59	117.85	Shut-In(1)
77	42.41	119.26	End Shut-In(1)
77	31.90	119.25	Open To Flow (2)
108	35.35	120.19	Shut-In(2)
151	48.76	121.10	End Shut-In(2)
152	2194.54	121.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100 % m	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration, Inc.

#1 Weber 15B

POB 783188
Wichita, KS 67278-3188

15-12-31 Gove, KS

Job Ticket: 38363

DST#: 7

ATTN: Mike Engelbrecht

Test Start: 2010.06.07 @ 04:03:05

Tool Information

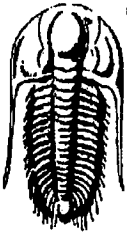
Drill Pipe:	Length: 3934.00 ft	Diameter: 3.80 inches	Volume: 55.18 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 540.00 ft	Diameter: 2.25 inches	Volume: 2.66 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 57.84 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4482.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	66.00 ft			
Tool Length:	89.00 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			4460.00	
Shut In Tool	5.00			4465.00	
Hydraulic tool	5.00			4470.00	
Safety Joint	3.00			4473.00	
Packer	5.00			4478.00	23.00 Bottom Of Top Packer
Packer	4.00			4482.00	
Recorder	0.00	8357	Inside	4482.00	
Recorder	0.00	6751	Outside	4482.00	
Stubb	1.00			4483.00	
Perforations	3.00			4486.00	
Change Over Sub	1.00			4487.00	
Drill Pipe	32.00			4519.00	
Change Over Sub	1.00			4520.00	
Perforations	25.00			4545.00	
Bullnose	3.00			4548.00	66.00 Bottom Packers & Anchor

Total Tool Length: 89.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration, Inc.

#1 Weber 15B

POB 783188
Wichita, KS 67278-3188

15-12-31 Gove, KS

Job Ticket: 38363

DST#: 7

ATTN: Mike Engelbrecht

Test Start: 2010.06.07 @ 04:03:05

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: 56.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100 % m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

