

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009

**CONFIDENTIAL**

**WELL COMPLETION FORM**

**ORIGINAL**

Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL HISTORY - DESCRIPTION OF WELL & LEASE

3/9/11

OPERATOR: License # 4767  
Name: Ritchie Exploration, Inc.  
Address 1: P.O. Box 783188  
Address 2: \_\_\_\_\_  
City: Wichita State: KS Zip: 67278 + 3188  
Contact Person: John Niernberger  
Phone: ( 316 ) 691-9500  
CONTRACTOR: License # 30606  
Name: Murfin Drilling, Co. Inc.  
Wellsite Geologist: Max Lovely  
Purchaser: \_\_\_\_\_

**KCC**  
**MAR 13 2011**  
**CONFIDENTIAL**

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 #: \_\_\_\_\_

11/11/10	11/19/11	11/19/11
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 109-20957-00-00

Spot Description: 15' S & 90' W

SW NE Sec. 25 Twp. 14 S. R. 32  East  West

1,995 Feet from  North /  South Line of Section

2,070 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW

County: Logan

Lease Name: Bridges 25AB Well #: 1

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: 2688 Kelly Bushing: 2698

Total Depth: 4447 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: 9800 ppm Fluid volume: 1200 bbls

Dewatering method used: evaporation

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

**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.

Signature: \_\_\_\_\_  
Title: Production Manager Date: 3/9/11

**KCC Office Use ONLY**

Letter of Confidentiality Received  
Date: 3/9/11 - 3/9/11

Confidential Release Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_

**RECEIVED**  
**MAR 10 2011**  
**3-16-11**  
**KCC WICHITA**

Operator Name: Ritchie Exploration, Inc. Lease Name: Bridges 25AB Well #: 1  
 Sec. 25 Twp. 14 S. R. 32  East  West County: Logan

**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 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Dual Induction Log</b> <b>Compensated Neutron/Density Log</b>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  Name Top Datum  SEE ATTACHED  <div style="text-align: right; font-weight: bold; font-size: 1.2em;">                     KCC                      MAR 13 2011                      CONFIDENTIAL                 </div>
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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"	23#	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 Bbbs. _____	Gas Mcf _____	Water Bbbs. _____ 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 <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ <div style="text-align: right; font-weight: bold; font-size: 1.2em;">RECEIVED</div>
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

MAR 10 2011  
KCC WICHITA



# RITCHIE

EXPLORATION, INC.  
Wichita, Kansas

KCC  
MAR 13 2011  
CONFIDENTIAL

## #1 Bridges 25AB

1995' FNL & 2070' FEL

15' S & 90' W of SW NE Section 25-14S-32W

Logan County, Kansas

API# 15-109-20957-0000

Elevation: GL: 2688', KB: 2698'

<u>Sample Tops</u>			<u>Ref.</u>	<u>Well</u>
Anhydrite	2154'	+544	+3	
B/Anhydrite	2176'	+522	+1	
Heebner	3688'	-990	-9	
Lansing	3724'	-1026	-9	
Muncie Shale	3884'	-1186	-12	
Stark Shale	3980'	-1282	-11	
BKC	4065'	-1367	-9	
Altamont	4110'	-1412	-9	
Pawnee	4176'	-1478	-9	
Myric Station	4217'	-1519	-14	
Fort Scott	4232'	-1534	-13	
Cherokee Shale	4261'	-1563	-14	
Johnson	4300'	-1602	-13	
B/Johnson	4332'	-1634	-16	
Morrow Sand	4361'	-1663	-32	
Mississippian	4369'	-1671	-31	
RTD	4447'	-1749		

RECEIVED  
MAR 10 2011  
KCC WICHITA

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

(316) 691-9500  
Fax (316) 691-9550  
[rei@ritchie-exp.com](mailto:rei@ritchie-exp.com)

8100 E. 22<sup>nd</sup> St. N., Bldg. 700  
Wichita, Kansas 67226-2328

# ALLIED CEMENTING CO., LLC. 040835

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

SERVICE POINT:

Oakley

DATE <u>11-11-10</u>	SEC. <u>25</u>	TWP. <u>14s</u>	RANGE <u>32w</u>	CALLED OUT	ON LOCATION	JOB START <u>2:00 AM</u>	JOB FINISH <u>2:30 AM</u>
BRIDGES	LEASE <u>25 AB</u>	WELL # <u>1</u>	LOCATION <u>Oakley</u>	<u>20S 1E</u>	COUNTY <u>Logan</u>	STATE <u>Ks</u>	
OLD OR (NEW) (Circle one)			<u>1/2 SE into</u>				

CONTRACTOR Murfin Drilling Rig 14 OWNER same

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 227'

CASING SIZE 8 7/8 DEPTH 222'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 13.50 cbl

CEMENT

AMOUNT ORDERED 125 sks com

3/8" 20 gal

COMMON 125 sks @ 15.45 2703.75

POZMIX @

GEL 3 sks @ 20.80 62.40

CHLORIDE 6 sks @ 58.20 349.20

ASC @

HANDLING 184 sks @ 2.40 441.60

MILEAGE 10 1/2 mile 368.00

TOTAL 3924.95

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EQUIPMENT

PUMP TRUCK CEMENTER Andrew

# 422 HELPER Larene

BULK TRUCK

# 404 DRIVER Wil

BULK TRUCK

# DRIVER

REMARKS:

Cement 0.6 circulate

thank you

CHARGE TO: Ritchie Exploration

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE 1018.00

EXTRA FOOTAGE @

MILEAGE 20 miles @ 7.00 140.00

MANIFOLD @

TOTAL 1158.00

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

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 Greg Larkin

SIGNATURE Greg Larkin

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

RECEIVED  
MAR 10 2011  
KCC WICHITA

*(Handwritten mark)*

# ALLIED CEMENTING CO., LLC. 035616

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

SERVICE POINT:

KCC  
MAR 13 2011  
CONFIDENTIAL

DATE <u>11-19-10</u>	SEC. <u>25</u>	TWP. <u>14</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>3:00pm</u>	JOB START <u>1:15AM</u>	JOB FINISH <u>1:45AM</u>
WELL# <u>25-AB</u>				LOCATION <u>Oakley 205-16-112546</u>		COUNTY <u>Leaue</u>	STATE <u>KS</u>
EASE <u>30' x 30' 250'</u>				OLD OR NEW (Circle one) <u>NEW</u>			

CONTRACTOR MUE 24  
 TYPE OF JOB PTA  
 HOLE SIZE 7 7/8 T.D.  
 CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TUBING SIZE 4 1/2 DEPTH 2165'  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_

OWNER \_\_\_\_\_  
 CEMENT AMOUNT ORDERED 220 60/40/40/20  
114# Clossal

EQUIPMENT  
 PUMP TRUCK CEMENTER Fuzzu  
 # 431 HELPER Billy  
 BULK TRUCK DRIVER Darrin  
 BULK TRUCK DRIVER \_\_\_\_\_

COMMON	<u>132</u>	@	<u>15 45</u>	<u>2039 40</u>
POZMIX	<u>88</u>	@	<u>8 00</u>	<u>704 00</u>
GEL	<u>9</u>	@	<u>20 00</u>	<u>187 20</u>
CHLORIDE		@		
ASC		@		
Clossal	<u>554</u>	@	<u>2 20</u>	<u>137 50</u>
HANDLING	<u>271</u>	@	<u>2 40</u>	<u>554 40</u>
MILEAGE	<u>10.45</u>	@	<u>45 00</u>	<u>462 00</u>
TOTAL				<u>4084 00</u>

REMARKS:

254K @ 2165'  
100SK @ 1040'  
40SK @ 275'  
10SK @ 40' w/plus  
1AM 15SK  
PH 30SK  
Job complete @ 1:00AM  
Thanks Fuzzu & Billy

SERVICE

DEPTH OF JOB	<u>2165'</u>		
PUMP TRUCK CHARGE		@	<u>1017 00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>20</u>	@	<u>7 00</u>
MANIFOLD		@	
TOTAL			<u>1157 00</u>

CHARGE TO: Richie Exploration  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

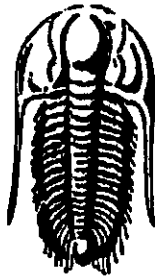
<u>1-8SK plus</u>	@	<u>40 00</u>
	@	
	@	
	@	
	@	
TOTAL		<u>40 00</u>

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 Greg Church  
 SIGNATURE Greg Church

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

RECEIVED  
 MAR 10 2011  
 KCC WICHITA



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

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

Box 783188  
Wichita, KS 67278-3188

ATTN: Max Lovely

**S25-14-32 Logan, KS**

**#1 Bridges 25AB**

Start Date: 2010.11.15 @ 12:09:00

End Date: 2010.11.15 @ 17:35:30

Job Ticket #: 040552      DST #: 1

**KCC  
MAR 13 2011  
CONFIDENTIAL**

**RECEIVED  
MAR 10 2011  
KCC WICHITA**

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

**ORIGINAL**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Ritchie Exploration, Inc.  
Box 783188  
Wichita, KS 67278-3188  
ATTN: Max Lovely

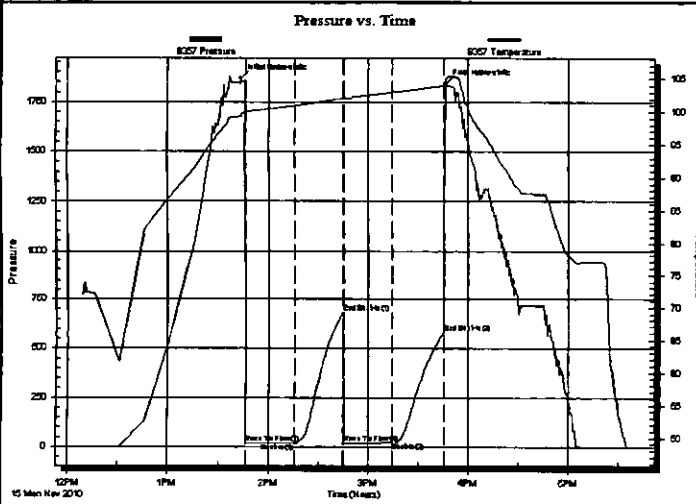
**#1 Bridges 25AB**  
**S25-14-32 Logan, KS**  
Job Ticket: 040552      DST#: 1  
Test Start: 2010.11.15 @ 12:09:00

## GENERAL INFORMATION:

Formation: **Lansing 'H'**  
Deviated: **No** Whipstock:                      ft (KB)  
Time Tool Opened: 13:46:15  
Time Test Ended: 17:35:30  
Interval: **3875.00 ft (KB) To 3918.00 ft (KB) (TVD)**  
Total Depth: **3918.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Good**  
Test Type: **Conventional Bottom Hole**  
Tester: **Chuck Smth**  
Unit No: **37**  
Reference Elevations: **2698.00 ft (KB)**  
**2688.00 ft (CF)**  
KB to GR/CF: **10.00 ft**

**Serial #: 8357**      **Inside**  
Press@RunDepth: **21.00 psig @ 3877.00 ft (KB)**      Capacity: **8000.00 psig**  
Start Date: **2010.11.15**      End Date: **2010.11.15**      Last Calib.: **2010.11.15**  
Start Time: **12:09:05**      End Time: **17:35:29**      Time On Btm: **2010.11.15 @ 13:43:15**  
Time Off Btm: **2010.11.15 @ 15:47:00**

**TEST COMMENT:** IF: 1/8" Blow, died @ 12 min.  
IS: No return.  
FF: No blow, flushed tool, surge died.  
FS: No return.



## PRESSURE SUMMARY

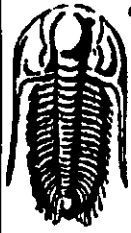
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1868.59	99.33	Initial Hydro-static
3	17.05	99.78	Open To Flow (1)
33	16.89	100.96	Shut-In(1)
62	683.08	102.06	End Shut-In(1)
63	18.26	101.97	Open To Flow (2)
92	21.00	102.99	Shut-In(2)
123	581.45	103.99	End Shut-In(2)
124	1841.31	105.01	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	M 100m with spots oil in tool	0.05

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Ritchie Exploration, Inc.  
Box 783188  
Wichita, KS 67278-3188  
ATTN: Max Lovely

**#1 Bridges 25AB**  
**S25-14-32 Logan, KS**  
Job Ticket: 040552      **DST#: 1**  
Test Start: 2010.11.15 @ 12:09:00

**Tool Information**

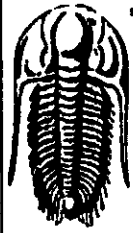
Drill Pipe:	Length: 3328.00 ft	Diameter: 3.80 inches	Volume: 46.68 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 540.00 ft	Diameter: 2.25 inches	Volume: 2.66 bbl	Weight to Pull Loose: 110000.0 lb
		<b>Total Volume:</b>	<b>49.34 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.50 ft			String Weight: Initial 87000.00 lb
Depth to Top Packer:	3875.00 ft			Final 87000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	70.50 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			3848.50	
Shut In Tool	5.00			3853.50	
Hydraulic tool	5.00			3858.50	
Jars	5.00			3863.50	
Safety Joint	2.50			3866.00	
Packer	5.00			3871.00	27.50      Bottom Of Top Packer
Packer	4.00			3875.00	
Stubb	1.00			3876.00	
Perforations	1.00			3877.00	
Recorder	0.00	8357	Inside	3877.00	
Recorder	0.00	6751	Outside	3877.00	
Perforations	5.00			3882.00	
Change Over Sub	1.00			3883.00	
Drill Pipe	31.00			3914.00	
Change Over Sub	1.00			3915.00	
Bullnose	3.00			3918.00	43.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>70.50</b>				





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Ritchie Exploration, Inc.  
Box 783188  
Wichita, KS 67278-3188  
ATTN: Max Lovely

**#1 Bridges 25AB**  
**S25-14-32 Logan, KS**  
Job Ticket: 040552      DST#: 1  
Test Start: 2010.11.15 @ 12:09:00

**Mud and Cushion Information**

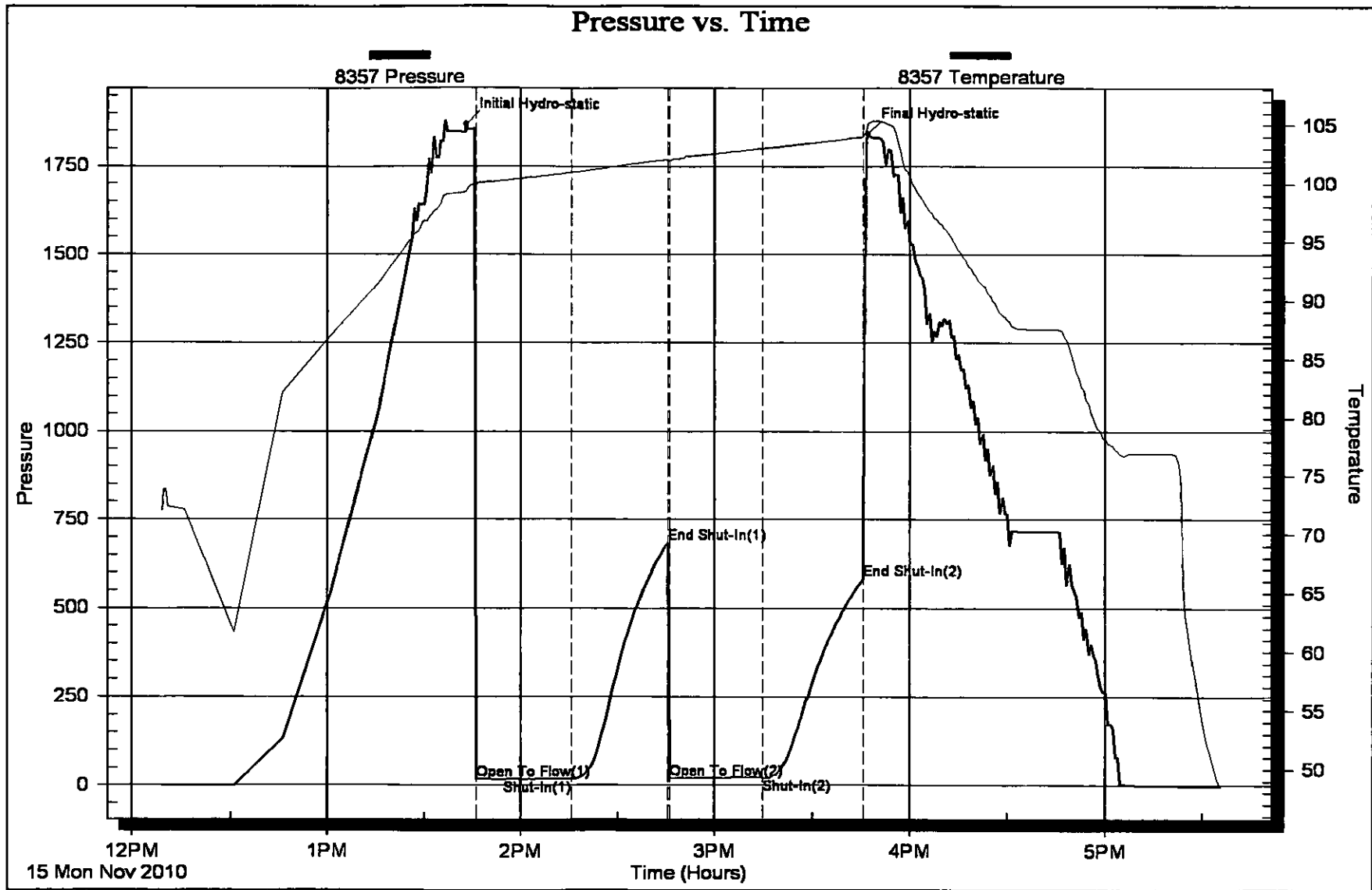
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.96 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: 1.00 inches			

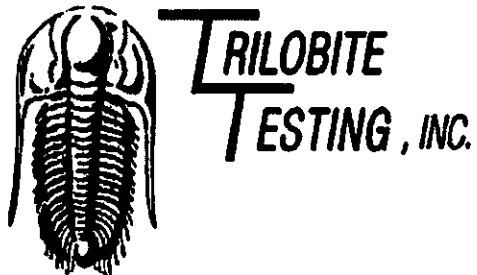
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
10.00	M 100m with spots oil in tool	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:





## DRILL STEM TEST REPORT

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

Box 783188  
Wichita, KS 67278-3188

ATTN: Max Lovely

**S25-14-32 Logan, KS**

**#1 Bridges 25AB**

Start Date: 2010.11.16 @ 08:24:00

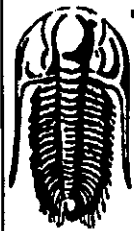
End Date: 2010.11.16 @ 15:05:39

Job Ticket #: 040553      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Ritchie Exploration, Inc.  
Box 783188  
Wichita, KS 67278-3188  
ATTN: Max Lovely

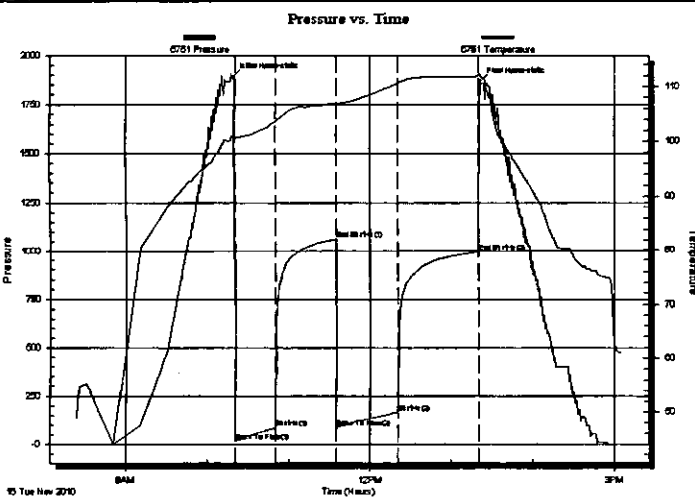
**#1 Bridges 25AB**  
**S25-14-32 Logan, KS**  
Job Ticket: 040553      DST#: 2  
Test Start: 2010.11.16 @ 08:24:00

## GENERAL INFORMATION:

Formation: **Lansing 'K'**  
Deviated: **No** Whipstock: **ft (KB)**  
Time Tool Opened: **10:20:10**  
Time Test Ended: **15:05:39**  
Interval: **3979.00 ft (KB) To 4012.00 ft (KB) (TVD)**  
Total Depth: **4012.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Good**  
Test Type: **Conventional Bottom Hole**  
Tester: **Chuck Smth**  
Unit No: **37**  
Reference Elevations: **2698.00 ft (KB)**  
**2688.00 ft (CF)**  
KB to GR/CF: **10.00 ft**

Serial #: **6751**      **Outside**  
Press@RunDepth: **165.38 psig @ 3981.00 ft (KB)**  
Start Date: **2010.11.16**      End Date: **2010.11.16**  
Start Time: **08:24:05**      End Time: **15:05:40**  
Capacity: **8000.00 psig**  
Last Calib.: **2010.11.16**  
Time On Btm: **2010.11.16 @ 10:19:00**  
Time Off Btm: **2010.11.16 @ 13:21:50**

TEST COMMENT: **IF: 6" Blow .**  
**IS: No return.**  
**FF: 8" Blow .**  
**FS: Surface return.**



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1890.64	100.94	Initial Hydro-static
2	17.50	100.02	Open To Flow (1)
31	81.82	103.60	Shut-In(1)
77	1063.25	106.92	End Shut-In(1)
77	84.81	106.61	Open To Flow (2)
122	165.38	110.59	Shut-In(2)
182	995.95	111.88	End Shut-In(2)
183	1869.10	111.94	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
180.00	MW 25%M 75%W	0.89
135.00	GOSWM 3%G 12%W 85%M	0.66

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Ritchie Exploration, Inc.

**#1 Bridges 25AB**

Box 783188  
Wichita, KS 67278-3188

**S25-14-32 Logan, KS**

Job Ticket: 040553      DST#: 2

ATTN: Max Lovely

Test Start: 2010.11.16 @ 08:24:00

**Tool Information**

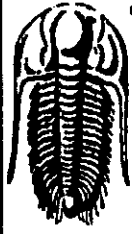
Drill Pipe:	Length: 3423.00 ft	Diameter: 3.80 inches	Volume: 48.02 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 540.00 ft	Diameter: 2.25 inches	Volume: 2.66 bbl	Weight to Pull Loose: 100000.0 lb
		<b>Total Volume:</b>	<b>50.68 bbl</b>	<b>Tool Chased 0.00 ft</b>
Drill Pipe Above KB:	11.50 ft			<b>String Weight: Initial 88000.00 lb</b>
Depth to Top Packer:	3979.00 ft			<b>Final 89000.00 lb</b>
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	60.50 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			3952.50	
Shut In Tool	5.00			3957.50	
Hydraulic tool	5.00			3962.50	
Jars	5.00			3967.50	
Safety Joint	2.50			3970.00	
Packer	5.00			3975.00	27.50      Bottom Of Top Packer
Packer	4.00			3979.00	
Stubb	1.00			3980.00	
Perforations	1.00			3981.00	
Recorder	0.00	8357	Inside	3981.00	
Recorder	0.00	6751	Outside	3981.00	
Perforations	28.00			4009.00	
Bullnose	3.00			4012.00	33.00      Bottom Packers & Anchor

**Total Tool Length: 60.50**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Ritchie Exploration, Inc.  
Box 783188  
Wichita, KS 67278-3188  
  
ATTN: Max Lovely

**#1 Bridges 25AB**  
**S25-14-32 Logan, KS**  
Job Ticket: 040553      DST#: 2  
Test Start: 2010.11.16 @ 08:24:00

**Mud and Cushion Information**

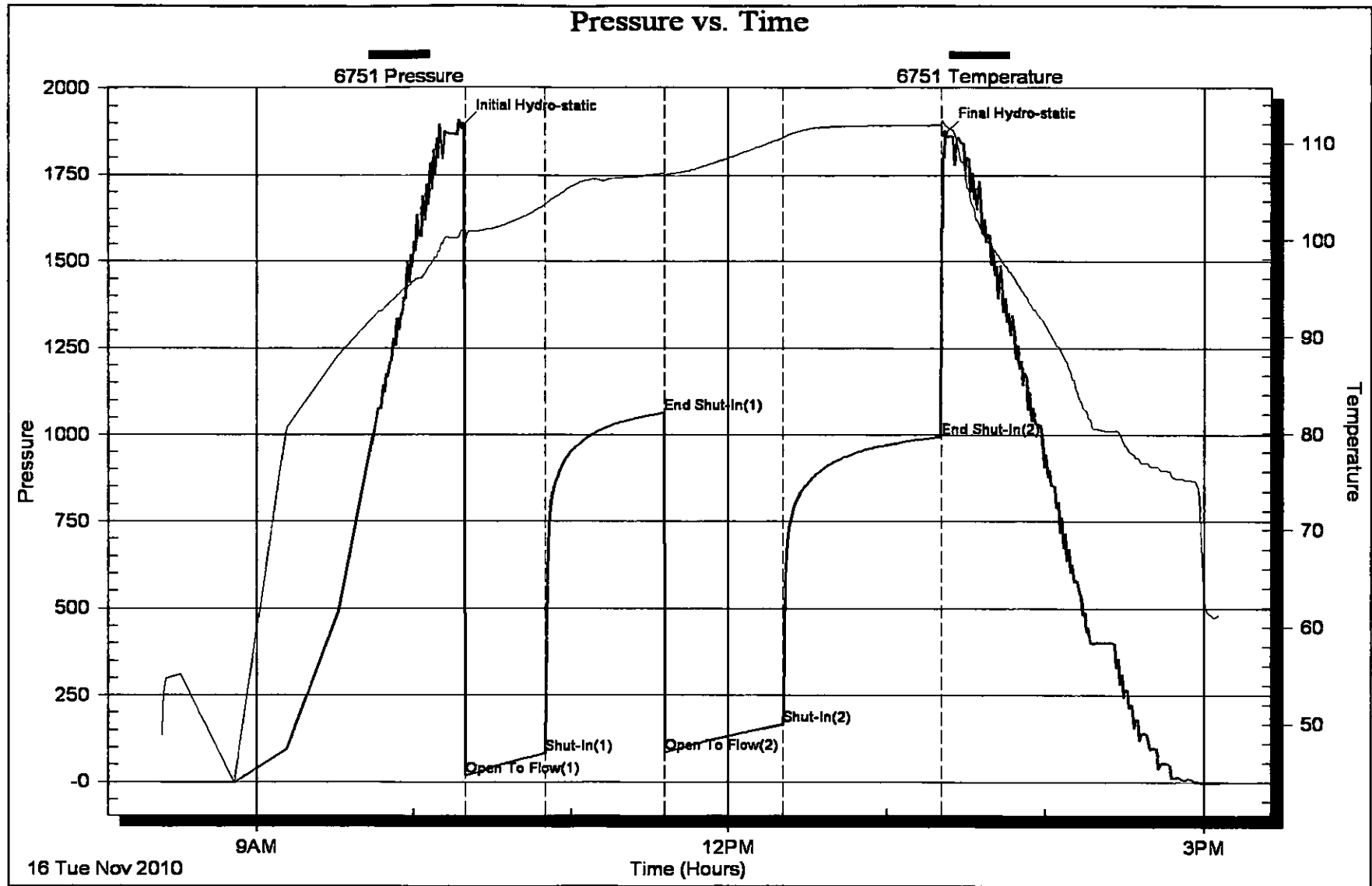
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	46000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: 1.00 inches			

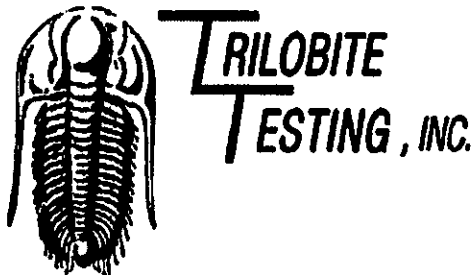
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
180.00	MW 25%M 75%W	0.885
135.00	GOSWM 3%G 12%W 85%M	0.664

Total Length: 315.00 ft      Total Volume: 1.549 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: RW .160 @ 63 deg F





## DRILL STEM TEST REPORT

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

Box 783188  
Wichita, KS 67278-3188

ATTN: Max Lovely

**S25-14-32 Logan, KS**

**#1 Bridges 25AB**

Start Date: 2010.11.17 @ 21:27:00

End Date: 2010.11.18 @ 03:08:30

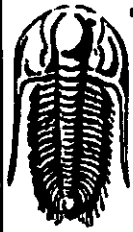
Job Ticket #: 040554      DST #: 3

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.  
Box 783188  
Wichita, KS 67278-3188  
ATTN: Max Lovely

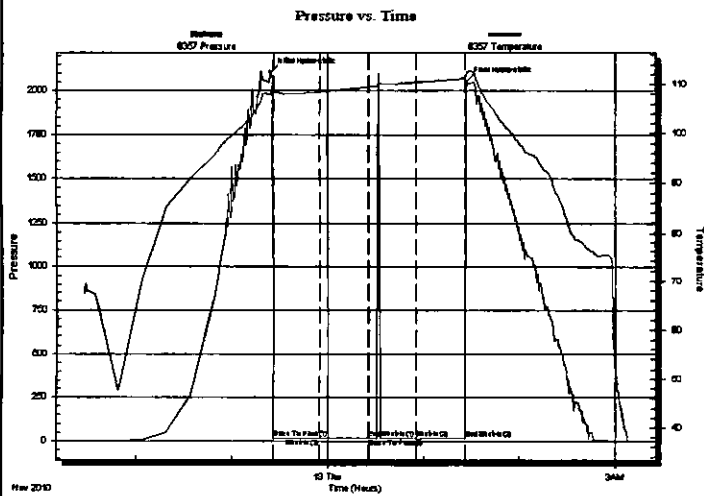
**#1 Bridges 25AB**  
**S25-14-32 Logan, KS**  
Job Ticket: 040554      DST#: 3  
Test Start: 2010.11.17 @ 21:27:00

### GENERAL INFORMATION:

Formation: <b>Johnson</b>	Test Type: Conventional Bottom Hole
Deviated: No Whipstock:                      ft (KB)	Tester: Chuck Smth
Time Tool Opened: 23:25:45	Unit No: 37
Time Test Ended: 03:08:30	
Interval: <b>4288.00 ft (KB) To 4312.00 ft (KB) (TVD)</b>	Reference Elevations: 2698.00 ft (KB)
Total Depth: <b>4312.00 ft (KB) (TVD)</b>	2688.00 ft (CF)
Hole Diameter: <b>7.88 inches</b> Hole Condition: Good	KB to GR/CF: 10.00 ft

<b>Serial #: 8357</b> Inside	Capacity: 8000.00 psig
Press@RunDepth: 14.77 psig @ 4289.00 ft (KB)	Last Calib.: 2010.11.18
Start Date: 2010.11.17      End Date: 2010.11.18	Time On Btm: 2010.11.17 @ 23:23:45
Start Time: 21:27:05      End Time: 03:08:29	Time Off Btm: 2010.11.18 @ 01:27:15

**TEST COMMENT:** IF: 1" Blow died @ 19 min.  
IST: No return.  
FF: No blow, flushed tool, surge died.  
FSI: No return.



### PRESSURE SUMMARY

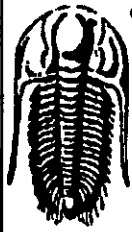
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2106.71	107.93	Initial Hydro-static
2	13.98	108.36	Open To Flow (1)
31	14.23	108.40	Shut-In(1)
62	16.26	109.32	End Shut-In(1)
62	14.19	109.33	Open To Flow (2)
92	14.77	110.40	Shut-In(2)
123	16.11	111.20	End Shut-In(2)
124	2054.66	112.21	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
5.00	M 100m with spots 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 Bridges 25AB**

Box 783188  
Wichita, KS 67278-3188

**S25-14-32 Logan, KS**

Job Ticket: 040554

**DST#: 3**

ATTN: Max Lovely

Test Start: 2010.11.17 @ 21:27:00

### Tool Information

Drill Pipe:	Length: 3740.00 ft	Diameter: 3.80 inches	Volume: 52.46 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: 30000.00 lb
Drill Collar:	Length: 540.00 ft	Diameter: 2.25 inches	Volume: 2.66 bbl	Weight to Pull Loose: 105000.0 lb
		<b>Total Volume:</b>	<b>55.12 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.50 ft			String Weight: Initial 90000.00 lb
Depth to Top Packer:	4288.00 ft			Final 90000.00 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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4266.50	
Shut In Tool	5.00			4271.50	
Hydraulic tool	5.00			4276.50	
Safety Joint	2.50			4279.00	
Packer	5.00			4284.00	22.50 Bottom Of Top Packer
Packer	4.00			4288.00	
Stubb	1.00			4289.00	
Recorder	0.00	8357	Inside	4289.00	
Recorder	0.00	6751	Outside	4289.00	
Perforations	20.00			4309.00	
Bullnose	3.00			4312.00	24.00 Bottom Packers & Anchor

**Total Tool Length: 46.50**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Ritchie Exploration, Inc.

**#1 Bridges 25AB**

Box 783188  
Wichita, KS 67278-3188

**S25-14-32 Logan, KS**

Job Ticket: 040554      DST#: 3

ATTN: Max Lovely

Test Start: 2010.11.17 @ 21:27:00

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 52.00 sec/qt  
Water Loss: 8.78 in<sup>3</sup>  
Resistivity: 0.00 ohm.m  
Salinity: 3500.00 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
5.00	M 100m with spots oil in tool	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

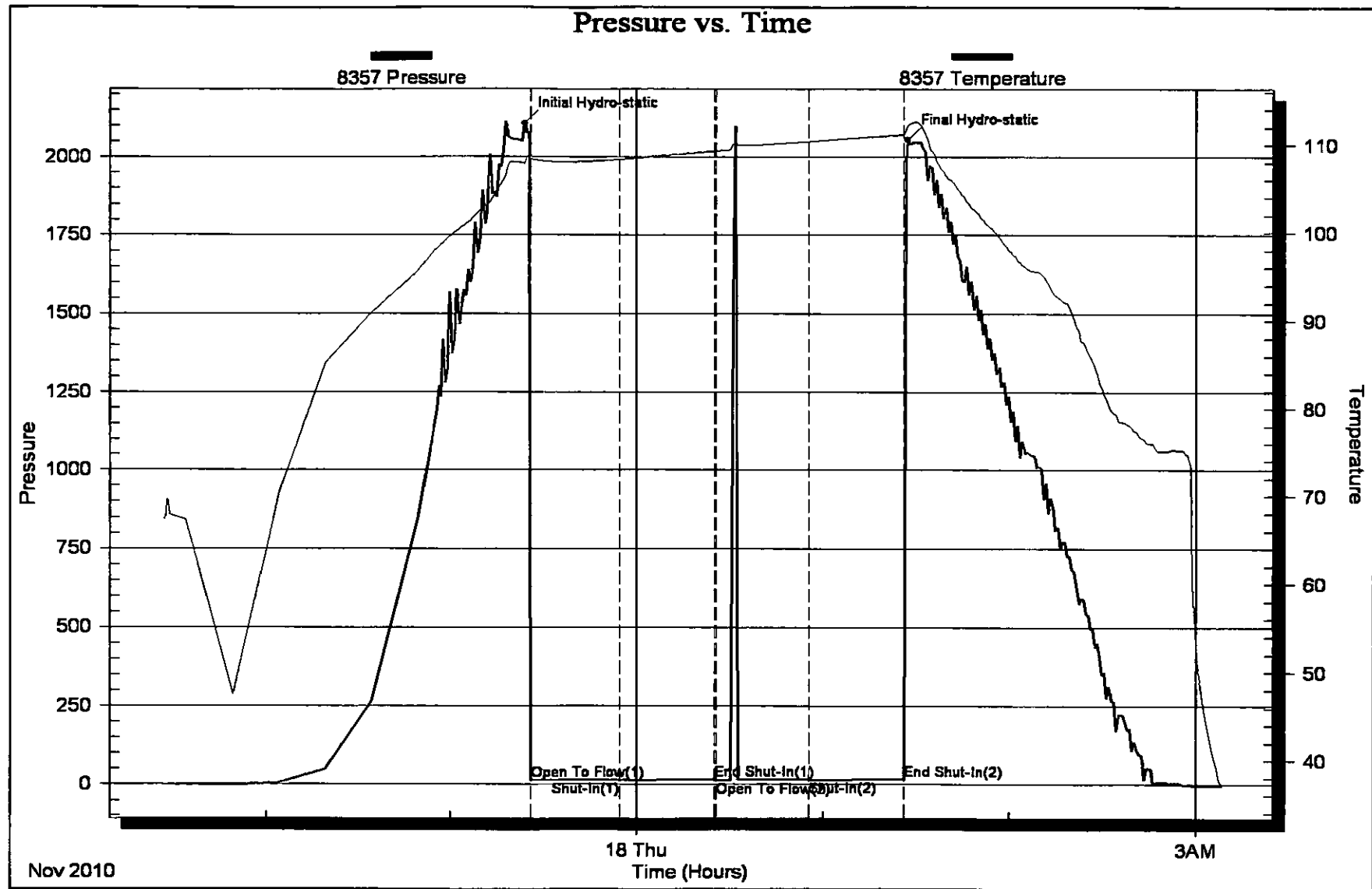
Num Gas Bombs: 0

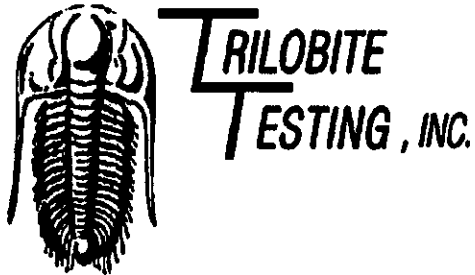
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





## DRILL STEM TEST REPORT

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

Box 783188  
Wichita, KS 67278-3188

ATTN: Max Lovely

**S25-14-32 Logan, KS**

**#1 Bridges 25AB**

Start Date: 2010.11.18 @ 10:57:00

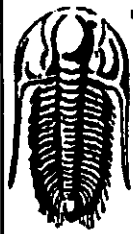
End Date: 2010.11.18 @ 17:31:30

Job Ticket #: 040555      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.  
 Box 783188  
 Wichita, KS 67278-3188  
 ATTN: Max Lovely

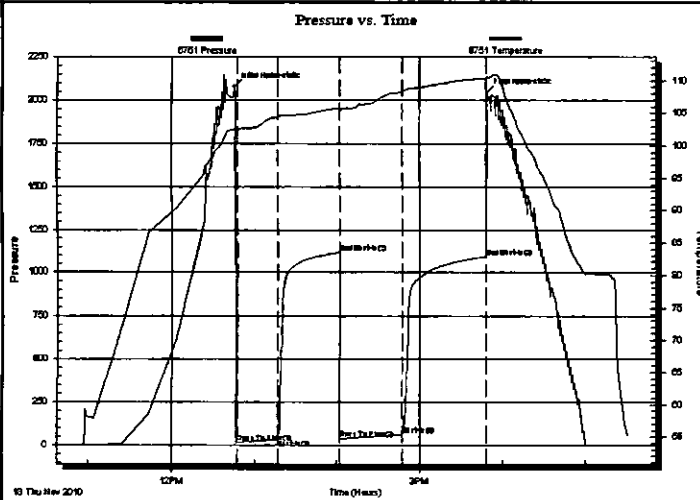
**#1 Bridges 25AB**  
**S25-14-32 Logan, KS**  
 Job Ticket: 040555      DST#: 4  
 Test Start: 2010.11.18 @ 10:57:00

**GENERAL INFORMATION:**

Formation: **Lower Johnson**  
 Deviated: **No Whipstock:**                      ft (KB)  
 Time Tool Opened: **12:47:20**  
 Time Test Ended: **17:31:30**  
 Interval: **4285.00 ft (KB) To 4334.00 ft (KB) (TVD)**  
 Total Depth: **4334.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Good**  
 Test Type: **Conventional Bottom Hole**  
 Tester: **Chuck Srth**  
 Unit No: **37**  
 Reference Elevations:      **2698.00 ft (KB)**  
    **2688.00 ft (CF)**  
    **KB to GR/CF: 10.00 ft**

**Serial #: 6751      Outside**  
 Press@RunDepth:      **62.57 psig @ 4287.00 ft (KB)**  
 Start Date:              **2010.11.18      End Date: 2010.11.18**  
 Start Time:              **10:57:05      End Time: 17:31:29**  
 Capacity:                      **8000.00 psig**  
 Last Calib.:                      **2010.11.18**  
 Time On Btm:      **2010.11.18 @ 12:45:20**  
 Time Off Btm:      **2010.11.18 @ 15:49:00**

**TEST COMMENT:** IF: 2 1/4" Blow.  
 IS: No return.  
 FF: 2" Blow.  
 FS: No return.



**PRESSURE SUMMARY**

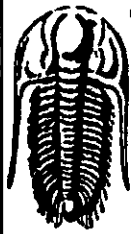
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2077.68	102.48	Initial Hydro-static
2	15.34	102.03	Open To Flow (1)
32	36.31	104.29	Shut-In(1)
77	1119.18	105.76	End Shut-In(1)
78	39.57	105.43	Open To Flow (2)
122	62.57	108.40	Shut-In(2)
183	1090.95	110.29	End Shut-In(2)
184	2044.97	110.48	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
95.00	M 100m with spot of oil	0.47

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Ritchie Exploration, Inc.  
Box 783188  
Wichita, KS 67278-3188  
  
ATTN: Max Lovely

**#1 Bridges 25AB**  
**S25-14-32 Logan, KS**  
Job Ticket: 040555      DST#: 4  
Test Start: 2010.11.18 @ 10:57:00

**Tool Information**

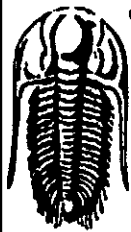
Drill Pipe:	Length: 3736.00 ft	Diameter: 3.80 inches	Volume: 52.41 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 27000.00 lb
Drill Collar:	Length: 540.00 ft	Diameter: 2.25 inches	Volume: 2.66 bbl	Weight to Pull Loose: 120000.0 lb
		<b>Total Volume:</b>	<b>55.07 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.50 ft			String Weight: Initial 92000.00 lb
Depth to Top Packer:	4285.00 ft			Final 92000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	71.50 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			4263.50	
Shut In Tool	5.00			4268.50	
Hydraulic tool	5.00			4273.50	
Safety Joint	2.50			4276.00	
Packer	5.00			4281.00	22.50 Bottom Of Top Packer
Packer	4.00			4285.00	
Stubb	1.00			4286.00	
Perforations	1.00			4287.00	
Recorder	0.00	8357	Inside	4287.00	
Recorder	0.00	6751	Outside	4287.00	
Perforations	11.00			4298.00	
Change Over Sub	1.00			4299.00	
Drill Pipe	31.00			4330.00	
Change Over Sub	1.00			4331.00	
Bullnose	3.00			4334.00	49.00 Bottom Packers & Anchor

**Total Tool Length: 71.50**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Ritchie Exploration, Inc.

**#1 Bridges 25AB**

Box 783188  
Wichita, KS 67278-3188

**S25-14-32 Logan, KS**

Job Ticket: 040555      **DST#: 4**

ATTN: Max Lovely

Test Start: 2010.11.18 @ 10:57:00

## 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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3900.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
95.00	M 100m with spot of oil	0.467

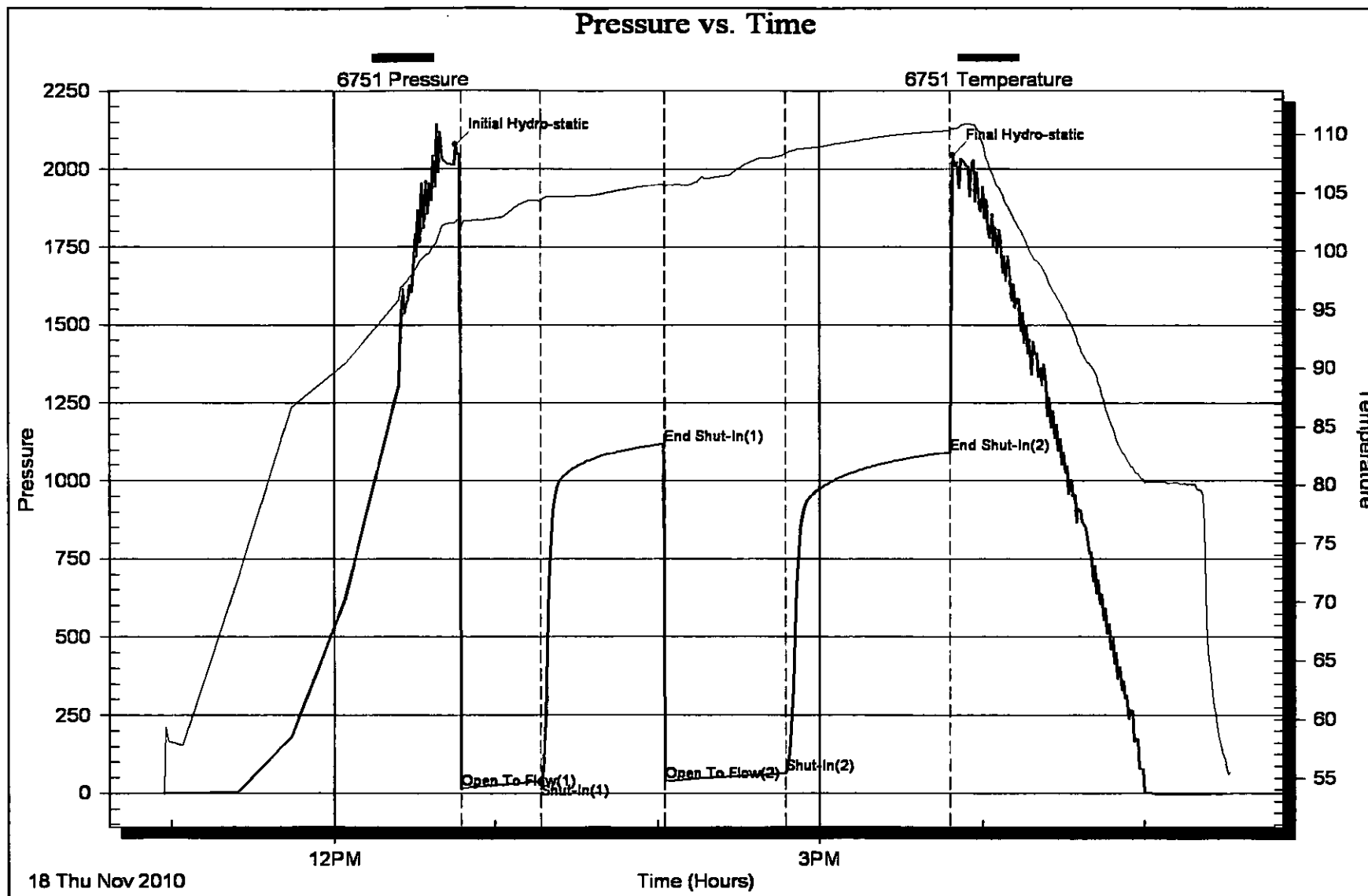
Total Length: 95.00 ft      Total Volume: 0.467 bbl

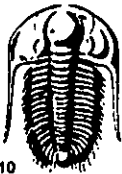
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:







# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
NOV 22 2010  
BY: \_\_\_\_\_

## Test Ticket

NO. 040552

Well Name & No. #1 Bridges 25AB Test No. 1 Date 11-15-10  
 Company Ritchie Exploration Elevation 2698 KB 2688 GL  
 Address Box 783188 Wichita, KS 67278-3188  
 Co. Rep / Geo. Max Lovely Rig MDC#14  
 Location: Sec. 25 Twp. 14 Rge. 32 Co. Logan State Ks

Interval Tested 3875-3918 Zone Tested Lansing 'H'  
 Anchor Length 43 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.1  
 Top Packer Depth 3871 Drill Collars Run 540 Vis 50  
 Bottom Packer Depth 3875 Wt. Pipe Run 0 WL 8.0  
 Total Depth 3918 Chlorides 2500 ppm System LCM 2

Blow Description IF: 1/8" Blow died @ 12 min  
ISI: No return  
FF: No blow, flushed tool, surge died  
FSL: No return

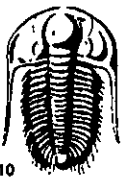
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>10</u>	Feet of <u>M spots of oil in tool</u>	%gas	%oil	%water <u>100</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 104 Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic <u>1869</u>	<input checked="" type="checkbox"/> Test <u>1125-</u>	T-On Location <u>11:30</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars <u>250-</u>	T-Started <u>12:09</u>
(C) First Final Flow <u>17</u>	<input checked="" type="checkbox"/> Safety Joint <u>75-</u>	T-Open <u>13:46</u>
(D) Initial Shut-In <u>683</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>15:46</u>
(E) Second Initial Flow <u>18</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>17:36</u>
(F) Second Final Flow <u>21</u>	<input type="checkbox"/> Mileage <u>59RT 73.75</u>	Comments _____
(G) Final Shut-In <u>581</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>1841</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Total <u>1523.75</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility	
	Sub Total <u>1523.75</u>	

Approved By Max Lovely Our Representative Chuck Smith

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRIBOLITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
NOV 22 2010  
BY: \_\_\_\_\_

## Test Ticket

NO. 040553

Well Name & No. #1 Bridges 25 AB Test No. 2 Date 11-16-10  
 Company Ritchie Exploration Elevation 2698 KB 2688 GL  
 Address Box 783188 Wichita, KS 67278  
 Co. Rep / Geo. Max Lovely Rig MDC#14  
 Location: Sec. 25 Twp. 14 Rge. 32 Co. Logan State KS

Interval Tested 3979 - 4012 Zone Tested Lansing 'K'  
 Anchor Length 33 Drill Pipe Run 3423 Mud Wt. 9.1  
 Top Packer Depth 3975 Drill Collars Run 540 Vis 51  
 Bottom Packer Depth 3979 Wt. Pipe Run 0 WL 8.0  
 Total Depth 4012 Chlorides 2500 ppm System LCM 2  
 Blow Description IF: 68" Blow  
ISI: No return.  
FF: 8" Blow  
FSI: Surface return.

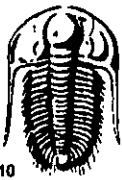
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>135</u>	Feet of <u>GOSWM</u>	<u>3</u>	<u>12</u>	<u>85</u>	<u>85</u>
Rec <u>180</u>	Feet of <u>MW</u>	<u>75</u>	<u>25</u>	<u>25</u>	<u>25</u>
Rec _____	Feet of _____	_____	_____	_____	_____
Rec _____	Feet of _____	_____	_____	_____	_____

Rec Total 315 BHT 112 Gravity - API RW .160 @ 63 ° F Chlorides 46000 ppm

(A) Initial Hydrostatic <u>1891</u>	<input checked="" type="checkbox"/> Test <u>1225-</u>	T-On Location <u>8:00</u>
(B) First Initial Flow <u>18</u>	<input type="checkbox"/> Jars _____	T-Started <u>8:24</u>
(C) First Final Flow <u>82</u>	<input checked="" type="checkbox"/> Safety Joint <u>75-</u>	T-Open <u>10:20</u>
(D) Initial Shut-In <u>1063</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>13:21</u>
(E) Second Initial Flow <u>85</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>15:06</u>
(F) Second Final Flow <u>165</u>	<input checked="" type="checkbox"/> Mileage <u>59 RT 73.75</u>	Comments <u>No GIP</u>
(G) Final Shut-In <u>996</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>1869</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	Sub Total <u>0</u>
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder _____	Total <u>1373.75</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility _____	
	Sub Total <u>1373.75</u>	

Approved By My Love Our Representative Chuck Smith

Tribolite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
NOV 22 2010  
BY: \_\_\_\_\_

## Test Ticket

NO. 040554

Well Name & No. #1 Bridges 25AB Test No. 3 Date 11-17-10  
 Company Ritchie Exploration Elevation 2698 KB 2688 GL  
 Address Box 783188 Wichita, KS 67278  
 Co. Rep / Geo. Max Lovely Rig M.D.C.#14  
 Location: Sec. 25 Twp. 14 Rge. 32 Co. Logan State KS

Interval Tested 4288-4312 Zone Tested Johnson  
 Anchor Length 24 Drill Pipe Run 3740 Mud Wt. 9.2  
 Top Packer Depth 4284 Drill Collars Run 540 Vis 52  
 Bottom Packer Depth 4288 Wt. Pipe Run 0 WL 8.8  
 Total Depth 4312 Chlorides 3500 ppm System LCM 2

Blow Description IF: 1" Blow died @ 19 min.  
ISI: No return  
FF: No blow, Flashed tool, surge died.  
FSL: No return

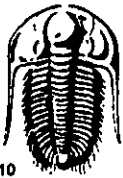
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>5</u>	Feet of <u>M oil spots in tool</u>	%gas	%oil	%water <u>100</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 111 Gravity - API RW - @ - °F Chlorides - ppm  
 (A) Initial Hydrostatic 2107  Test 1225' T-On Location 21:20  
 (B) First Initial Flow 14  Jars T-Started 21:27  
 (C) First Final Flow 14  Safety Joint 75' T-Open 23:26  
 (D) Initial Shut-In 14  Circ Sub N/C T-Pulled 1:26  
 (E) Second Initial Flow 14  Hourly Standby T-Out 3:09  
 (F) Second Final Flow 15  Mileage 59 RT 73.75 Comments \_\_\_\_\_  
 (G) Final Shut-In 14  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2055  Straddle \_\_\_\_\_

Initial Open 30  Ruined Shale Packer  
 Initial Shut-In 30  Ruined Packer  
 Final Flow 30  Extra Copies  
 Final Shut-In 30  Extra Recorder  
 Sub Total 1373.75  
 Total 1373.75  
 MP/DST Disc't \_\_\_\_\_

Approved By [Signature] Our Representative Chuck Smith

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P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
NOV 22 2010

## Test Ticket

NO. 040555

BY: \_\_\_\_\_

Well Name & No. #1 Bridges 25AB Test No. 4 Date 11-18-10

Company Ritchie Exploration Elevation 2698 KB 2688 GL \_\_\_\_\_

Address Box 783188 Wichita, KS 67278

Co. Rep / Geo. Max Lovely Rig M.D.C. #14

Location: Sec. 25 Twp. 14 Rge. 32 Co. Logan State KS

Interval Tested 4285-4334 Zone Tested Low Johnson

Anchor Length 49 Drill Pipe Run 3736 Mud Wt. 9.1

Top Packer Depth 4281 Drill Collars Run 540 Vis 49

Bottom Packer Depth 4285 Wt. Pipe Run 0 WL 2.8

Total Depth 4334 Chlorides 3900 ppm System LCM 1

Blow Description IF: 2 1/4" Blow.

ISI: No return.

FF: 2" Blow.

FSI: No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>95</u>	Feet of <u>M w/spot of oil</u>	%gas	%oil	%water <u>100</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 95 BHT 110 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2078  Test 1225- T-On Location 9:25 10:25

(B) First Initial Flow 15  Jars \_\_\_\_\_ T-Started 10:57

(C) First Final Flow 36  Safety Joint 75- T-Open 12:47

(D) Initial Shut-In 1119  Circ Sub NIC T-Pulled 15:48

(E) Second Initial Flow 40  Hourly Standby \_\_\_\_\_ T-Out 17:32

(F) Second Final Flow 63  Mileage 59 118RT 14750 Comments \_\_\_\_\_

(G) Final Shut-In 1091  Sampler 59 miles pick tool \_\_\_\_\_

(H) Final Hydrostatic 2045  Straddle 11-19-10  Ruined Shale Packer \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer 260-

Initial Shut-In 45  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_

Final Flow 45  Extra Recorder \_\_\_\_\_ Sub Total 260-

Final Shut-In 60  Day Standby \_\_\_\_\_ Total 1707.50

Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_

Sub Total 1447.50

Approved By Max Lovely Our Representative Chuck Smith

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