



KANSAS CORPORATION COMMISSION 1114307
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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

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

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: _____



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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ 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 Bbbs.	Gas Mcf	Water Bbbs.	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"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Barton Exploration, Inc.
Well Name	Holland B5
Doc ID	1114307

All Electric Logs Run

Micro log
Sonic log
Dual induction log
Compensated density/neutron log

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. 757

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish		
7-24-12	23	13	22	Trego	KS		7:45 AM		
Lease	Holland		Well No.	B-5				Location	Ogallah SS 1/2E Sinto
Contractor	Royal #1			Owner				To Quality Oilwell Cementing, Inc.	
Type Job	Production String			You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.					
Hole Size	7 7/8		T.D.	4070					
Csg.	5 1/2 15.50		Depth	Charge To				Barton Exploration	
Tbg. Size			Depth	Street					
Tool	Port Collar		Depth	1706				City	State
Cement Left in Csg.	42.49		Shoe Joint	42.49				The above was done to satisfaction and supervision of owner agent or contractor.	
Meas Line			Displace	95 3/4 BCL				Cement Amount Ordered	180 @ Pro C 10% Salt +
EQUIPMENT				5% Gilsonite				5 gal KCL	500 gal mud clear
Pumptrk	5	No.	Cement Helper	Craig				Common	180
Bulktrk		No.	Driver	Brett				Poz. Mix	
Bulktrk	8	No.	Driver	Lonnice				Gel.	
JOB SERVICES & REMARKS				Calcium					
Remarks:				Hulls				KCL 5 gal	
Rat Hole	30SK			Salt				16	
Mouse Hole	1.5SK			Flowseal					
Centralizers				Kol-Seal				900#	
Baskets				Mud CLR 48				500 gal	
D/V or Port Collar				CFL-117 or CD110 CAF 38					
5 1/2 set @ 4068. Inserte 4025151				Sand					
Est Circulation Pump 500 gal mud clear				Handling				205	
Pump 20 BCL KCL + 500 gal mud clear				Mileage					
Cement Rathole + mousehole. Cement				FLOAT EQUIPMENT					
5 1/2. Clear lines + Displace Plug.				Guide Shoe				1	port collar
Plug land @ 1500ft. Release pressure				Centralizer				3	
Div				Baskets				2	
				AFU Inserts					
				Float Shoe				1	
				Latch Down				1	
				Pumptrk Charge				Prod Long String	
				Mileage				32	
				Tax					
				Discount					
				Total Charge					
X Signature Doug Buday									

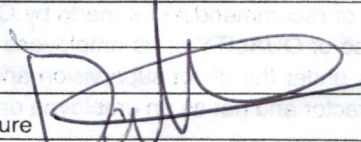
QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 765

Date	Sec.	Twp.	Range	County	State	On Location	Finish		
8-1-12	23	13	22	Trego	KS		10:30 a.m.		
Lease	HOLLAND B		Well No.	#5				Location	Ogallah 55 1/2 E S into
Contractor	Express			Owner				To Quality Oilwell Cementing, Inc.	
Type Job	Port Collar			You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.					
Hole Size	7 7/8		T.D.	Charge To				Barten Exploration	
Csg.	5 1/2		Depth	Street					
Tbg. Size	2 3/8		Depth	City				State	
Tool	Port Collar		Depth	1706					
Cement Left in Csg.			Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.					
Meas Line			Displace	Cement Amount Ordered				2.25 QMD C/A #10	
EQUIPMENT				USED 210 SIC					
Pumptrk	5	No.	Cementer Helper	Craig				Common	210
Bulktrk		No.	Driver	Brett				Poz. Mix	
Bulktrk	12	No.	Driver	Lonnie				Gel.	
JOB SERVICES & REMARKS				Calcium					
Remarks:	Hulls								
Rat Hole	Salt								
Mouse Hole	Flowseal 68#								
Centralizers	Kol-Seal								
Baskets	Mud CLR 48								
D/V or Port Collar	CFL-117 or CD110 CAF 38								
- Test to 1000#. Open Tool Est.				Sand					
- Circulation mix 200# & Displace.				Handling					
- Close Tool pressure to 1000#.				Mileage					
- Run 5 joints & Wash clean.				FLOAT EQUIPMENT					
				Guide Shoe					
				Centralizer					
				Baskets					
				AFU Inserts					
				Float Shoe					
				Latch Down					
				Pumptrk Charge				port Collar	
				Mileage				32	
X Signature 				Tax					
				Discount					
				Total Charge					

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

- **TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

- **ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

- **PRICES AND TAXES:** All merchandise listed in "QUALITY'S" current price schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

- **TOWING CHARGES:** QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

- **PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

- **DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

- **SERVICE CONDITIONS AND LIABILITIES:** 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be constructed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.



Office (620) 583-4255 212 Main St. • P.O. Box 215 • Clarita, KS 67130
 James C. Musgrove Petroleum Geologist Home (620) 587-3444

GEOLOGIST'S REPORT

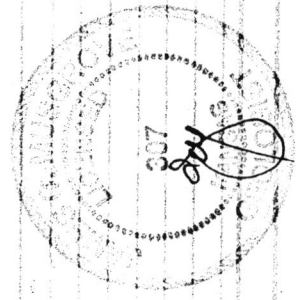
DRILLING TIME AND SAMPLE LOG

COMPANY <u>Barton Exploration Inc.</u>	ELEVATIONS
LEASE <u>Holland 'B' #5</u>	KB <u>2274</u>
FIELD _____	DF <u>2272</u>
LOCATION <u>Se-Se-nw-ne</u>	GL <u>2267</u>
SEC <u>13</u> TWP <u>13^s</u> RGE <u>22^w</u>	Measurements Are All Feet
COUNTY <u>Trego</u> STATE <u>Kansas</u>	
CONTRACTOR <u>Royal Drilling Co. (rig #1)</u>	CASING
SPRIG <u>7-16-2012</u> COMP <u>7-23-12</u>	SIZE <u>8 5/8" x 221</u>
RTD <u>4070</u> LTD <u>4070</u>	PRODUCTION _____
MUD UP <u>3400</u> TYPE MUD <u>Chemical displaced</u>	ELECTRICAL SURVEYS
	By Superior Well Services
	DIL, CDL/CUL, ME, Sonic
SAMPLES SAVED FROM <u>3500</u>	TO _____
DRILLING TIME KEPT FROM <u>3500</u>	TO _____
SAMPLES EXAMINED FROM <u>3500</u>	TO _____
GEOLOGICAL SUPERVISION FROM <u>3580</u>	TO _____
GEOLOGIST ON WELL <u>Jim Musgrove</u>	

FORMATION TOPS	LOG	SAMPLES
anhydrite	1705 +569	
Base anhydrite	1745 +529	
Heebner	3592 -1318	
Toronto	3609 -1335	
Hansing	3623 -1349	
Base Kansas City	3867 -1613	
Marmaton Chert	3971 -1697	
Cherokee Shale	4016 -1742	
Conglomerate Sand	4046 -1772	
Mississippian	4060 -1786	
RTD	4070 -1796	
LTD	4070 -1796	

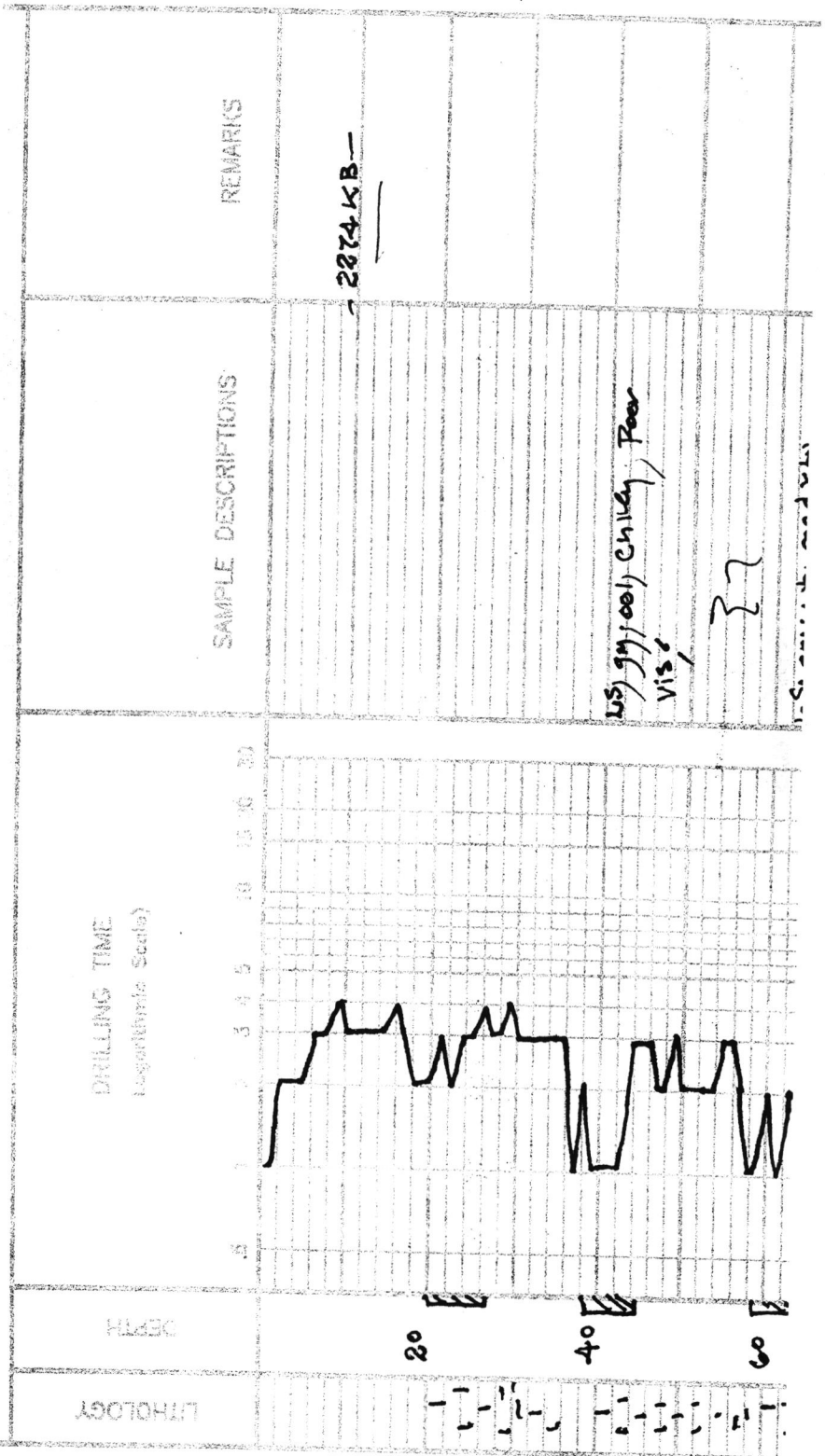
REMARKS

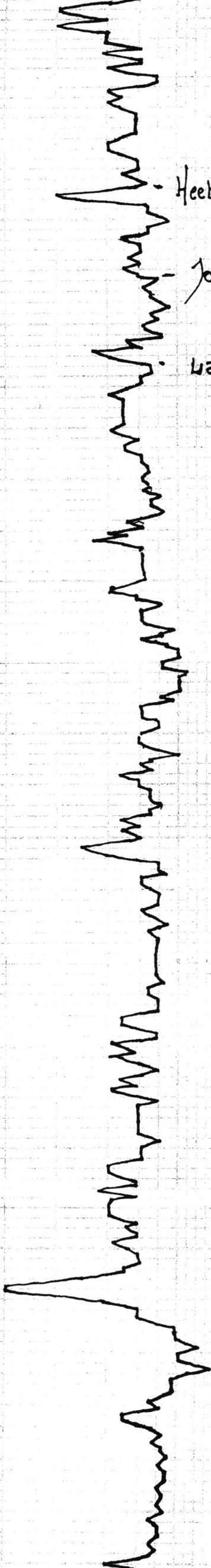
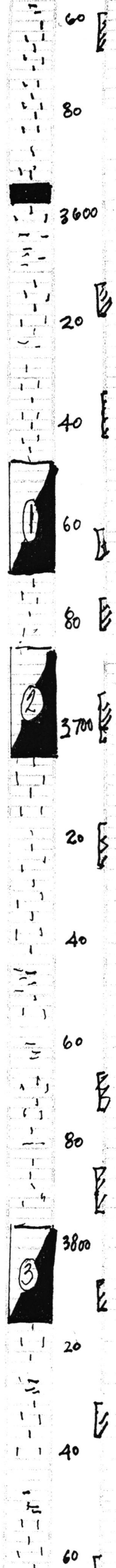
5 1/2" production was set & cemented on the Holland 'B' #5, Respectfully submitted,
 James C. Musgrove
 Petroleum Geologist



LEGEND

- Sandstone
- Shale
- Limestone
- Chert
- Dolomite
- Conglomerate
- Anhydrite
- Gypsum
- Salt
- Oil
- Gas
- Water





Heebner
3594
(-1320)

Toronto
3611

Lansing
3627

LS, gm; wh, med xly
Chilly + fr. tan Δ

gm wh, foss Δ
+ LS, a.e. m/s

— blk carb. sh.

— gm-mar sh.

~ LS, gm/wh, slightly
foss/ool, Chilly m/s

LS, gm/crm, f med xly
slightly ool/foss, Chilly
to gm Δ

LS, gm, wh ool, Chilly
gm brown stn, sfo,
ft. odor

~ LS, wh/gm, fxtly Chilly,
Poorly dev of brown stn, w/c
sfo, ft. odor.

~ LS, gm/wh, foss, Chilly
scat. brown/gm stn
sfo, ft. odor

LS, gm, crm, oom, Chilly
fr. oom & m/s
poorly dev.

fr. wh/gm Δ

— blk carb. sh.
(3760 sample)

LS, tan/gm, fxtly, slightly
Chilly, few foss. Δ
+ gm/lamben Δ

LS, gm, tan, slightly ool
Chilly Poor

LS, crm, wh, oom, good oom &
good brown. blk brown stn
sfo, ft. odor

LS, gm-tan, dense

— blk/green sh.

LS, gm-wh, fxtly, foss in
part, Chilly; tan
blk stn, info
no odor

LS, tan/gm - slightly Δ

revised 2276 KB —
* Hb-1318 *

Dst #1 3647-3668
45-30-45-60
Blow strong
(B.O.B. 32 min)

2nd opening; fair
(8 1/2 min)

Rec; 8' oil spotted
water cut
mud

252' mud, tr. water
pressures; IHP 285 psi
SIP 291 "
IHP 17.86'
SIP 87-131
NSH
1781
-1690

Dst #2 3683-3704
30-30-45-60
Blow strong
(B.O.B. 10 min)

2nd opening) strong
(B.O.B. 15 mins)

Rec; 340' gas in pipe
40' Gassy oil

60' very slightly
oil cut muddy
water
(5% oil; 20% water
75% mud)

60' very slightly oil
cut water
(2% oil; 70% water;
20% mud)

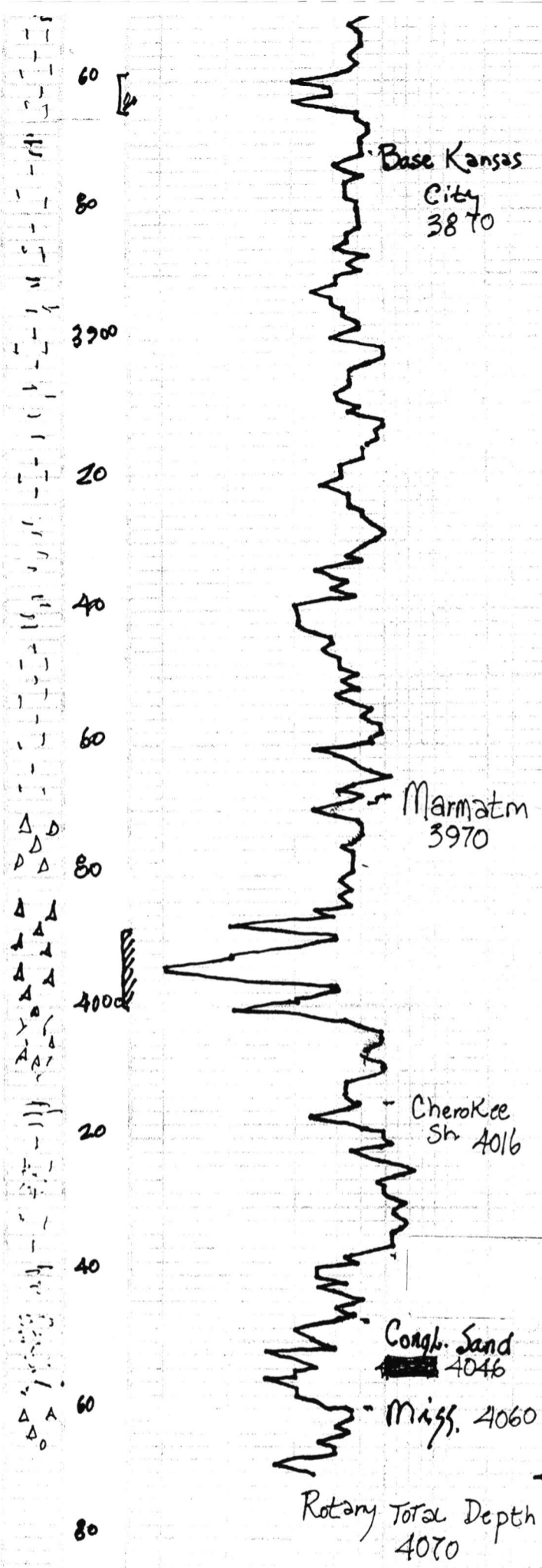
pressures; ISIP 316 psi
SIP 315 "
IHP 21.51 "
SIP 56.85 "
NSH
1744-1706

Dst #3 3796
45-30-45-60
Blow fair (6")

2nd opening; fair (5")

Rec; 180' Gas in pipe
10' clean oil

55' slightly oil
cut muddy water
(10% oil; 30% water)



cut muddy water
 (10700L) 30% water
 60% mud
 pressures) Isip 444 PSI
 Isip 434 "
 Ifp 18-25 "
 fsp 29-41 "
 1184
 1881-1770'

LS, tan/gy - slightly A'y
 (colse)

~ mar/gy - green sh.

ls; mar; sandy; chunky n/s
 + mar
 zoned med r L LS

~ ~
 red/gy soft sh + gym/wh
 dense LS

mar/gy - green sub laxy
 sh; In fcs

~ ~
 + brick red sh 2v. orange d

~ ~
 orange d + mar sh
 2v. ls; wh/gy - A'y - chunky

~ ~
 mar; v.c. sh + d

~ ~
 A; wh; salmon; brn
 fresh

~ ~
 2v. gym/ten, dolomitic d

~ ~
 gym/ten; A'y (colse) LS
 2v. blk carb sh

~ ~
 ls; mar; sandy in part

~ ~
 blk carb sh

~ ~
 sand; vfg; sub rounded;
 fadspn / fgs; Poor s, tr. str
 sfo, no odor

~ ~
 A; wh/ten, yellow
 brn; fresh n/s



DRILL STEM TEST REPORT

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

3017 E 14th St
Hays KS 67601

ATTN: Jim Musgrove

Holland #B5

23-13s-22w Trego, KS

Start Date: 2012.07.21 @ 07:10:00

End Date: 2012.07.21 @ 13:17:30

Job Ticket #: 49275 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.07.26 @ 11:37:52



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Barton Exploration, Inc.

23-13s-22w Trego, KS

3017 E 14th St
Hays KS 67601

Holland #B5

Job Ticket: 49275

DST#: 1

ATTN: Jim Musgrove

Test Start: 2012.07.21 @ 07:10:00

GENERAL INFORMATION:

Formation: **KC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:53:00
 Time Test Ended: 13:17:30
 Interval: **3647.00 ft (KB) To 3668.00 ft (KB) (TVD)**
 Total Depth: 3668.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 2275.00 ft (KB)
 2270.00 ft (CF)
 KB to GR/CF: 5.00 ft

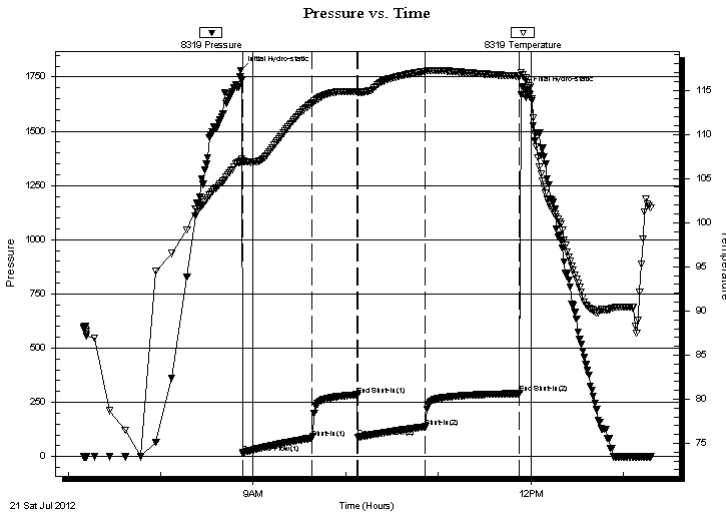
Serial #: 8319

Inside

Press @ Run Depth: 137.40 psig @ 3651.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.07.21 End Date: 2012.07.21 Last Calib.: 2012.07.21
 Start Time: 07:10:05 End Time: 13:17:29 Time On Btm: 2012.07.21 @ 08:52:00
 Time Off Btm: 2012.07.21 @ 11:57:00

TEST COMMENT: IF-BOB in 32 min
 IS-NO blow
 FF-8.5" blow
 FS-NO blow

PRESSURE SUMMARY



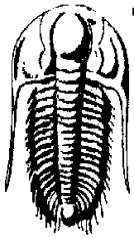
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1780.56	107.03	Initial Hydro-static
1	16.58	106.86	Open To Flow (1)
46	85.59	113.52	Shut-In(1)
75	284.85	114.85	End Shut-In(1)
76	89.12	114.78	Open To Flow (2)
120	137.40	117.14	Shut-In(2)
181	290.65	116.58	End Shut-In(2)
185	1689.57	116.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
252.00	MCW 10%M 90%W	3.53
8.00	Oil spotted WCM 15%W 85%M	0.11

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Barton Exploration, Inc.

23-13s-22w Trego, KS

3017 E 14th St
Hays KS 67601

Holland #B5

Job Ticket: 49275

DST#: 1

ATTN: Jim Musgrove

Test Start: 2012.07.21 @ 07:10:00

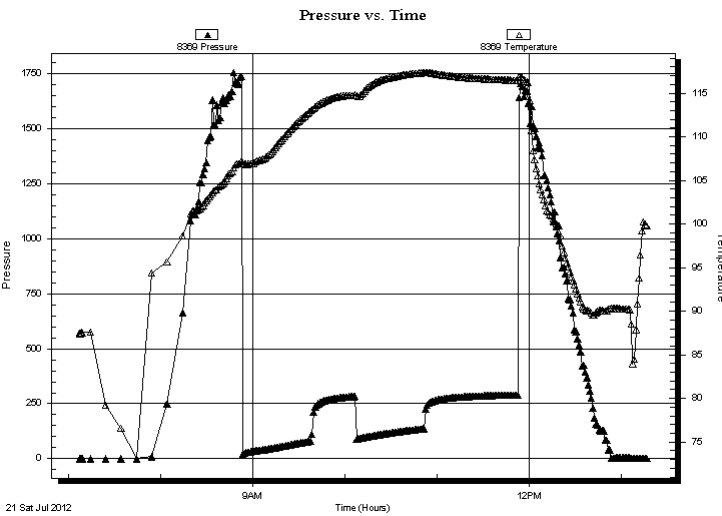
GENERAL INFORMATION:

Formation:	KC		
Deviated:	No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened:	08:53:00		Tester: Brett Dickinson
Time Test Ended:	13:17:30		Unit No: 59
Interval:	3647.00 ft (KB) To 3668.00 ft (KB) (TVD)		Reference Elevations: 2275.00 ft (KB)
Total Depth:	3668.00 ft (KB) (TVD)		2270.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition: Fair	KB to GR/CF: 5.00 ft

Serial #: 8369 Outside

Press @ Run Depth:	psig @	3651.00 ft (KB)	Capacity:	8000.00 psig
Start Date:	2012.07.21	End Date:	2012.07.21	Last Calib.: 2012.07.21
Start Time:	07:07:05	End Time:	13:16:59	Time On Btm:
				Time Off Btm:

TEST COMMENT: IF-BOB in 32 min
IS- No blow
FF- 8.5" blow
FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
252.00	MCW 10%M 90%W	3.53
8.00	Oil spotted WCM 15%W 85%M	0.11

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Barton Exploration, Inc.

23-13s-22w Trego, KS

3017 E 14th St
Hays KS 67601

Holland #B5

Job Ticket: 49275

DST#: 1

ATTN: Jim Musgrove

Test Start: 2012.07.21 @ 07:10:00

Tool Information

Drill Pipe:	Length: 3635.00 ft	Diameter: 3.80 inches	Volume: 50.99 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 50.99 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3647.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	41.00 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			3628.00	
Shut In Tool	5.00			3633.00	
Hydraulic tool	5.00			3638.00	
Packer	4.00			3642.00	20.00 Bottom Of Top Packer
Packer	5.00			3647.00	
Stubb	1.00			3648.00	
Perforations	3.00			3651.00	
Recorder	0.00	8319	Inside	3651.00	
Recorder	0.00	8369	Outside	3651.00	
Perforations	14.00			3665.00	
Bullnose	3.00			3668.00	21.00 Bottom Packers & Anchor

Total Tool Length: 41.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Barton Exploration, Inc.

23-13s-22w Trego, KS

3017 E 14th St
Hays KS 67601

Holland #B5

Job Ticket: 49275

DST#: 1

ATTN: Jim Musgrove

Test Start: 2012.07.21 @ 07:10:00

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:

53000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
252.00	MCW 10%M 90%W	3.535
8.00	Oil spotted WCM 15%W 85%M	0.112

Total Length: 260.00 ft Total Volume: 3.647 bbl

Num Fluid Samples: 0

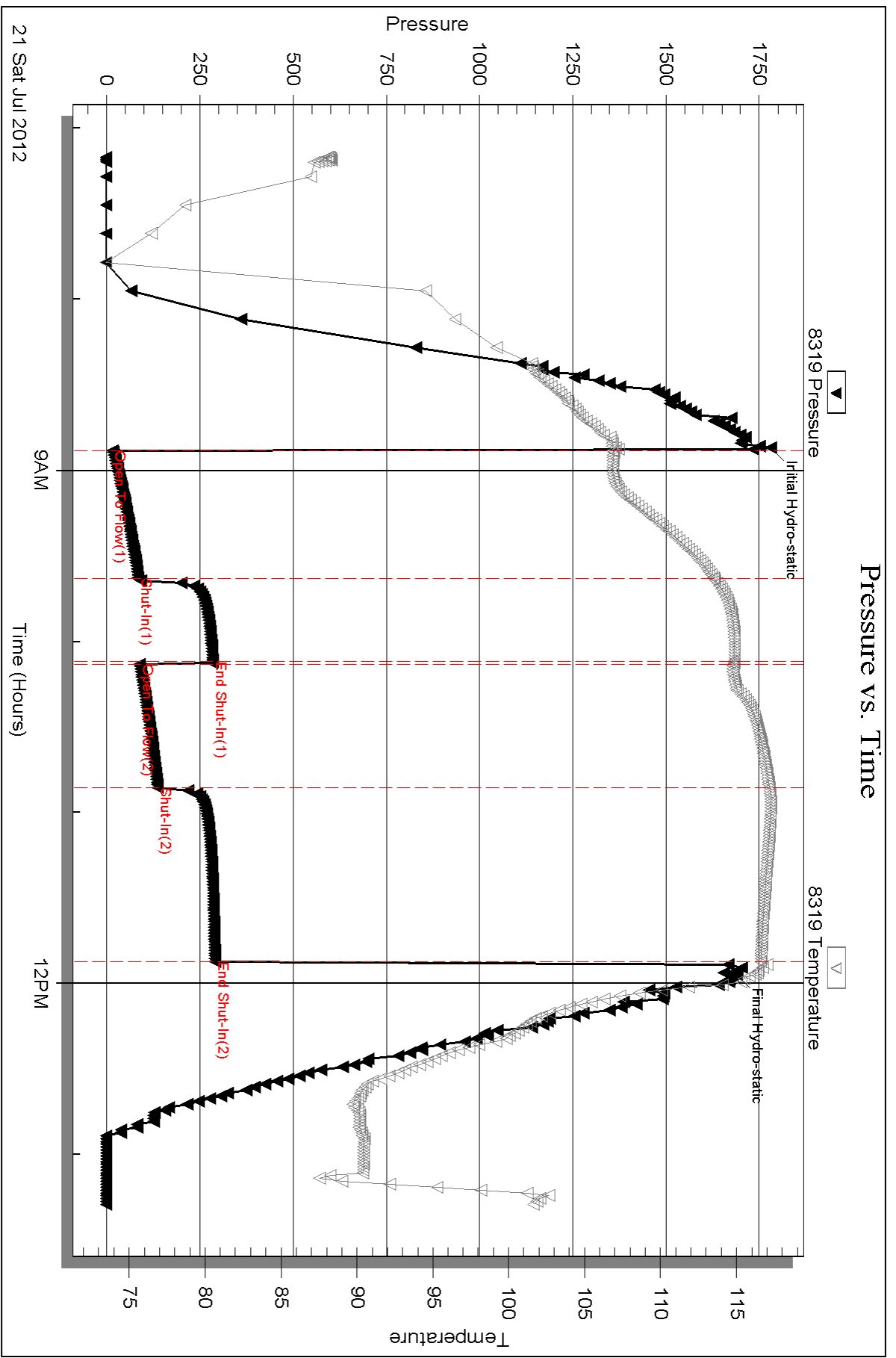
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW.1 @ 100

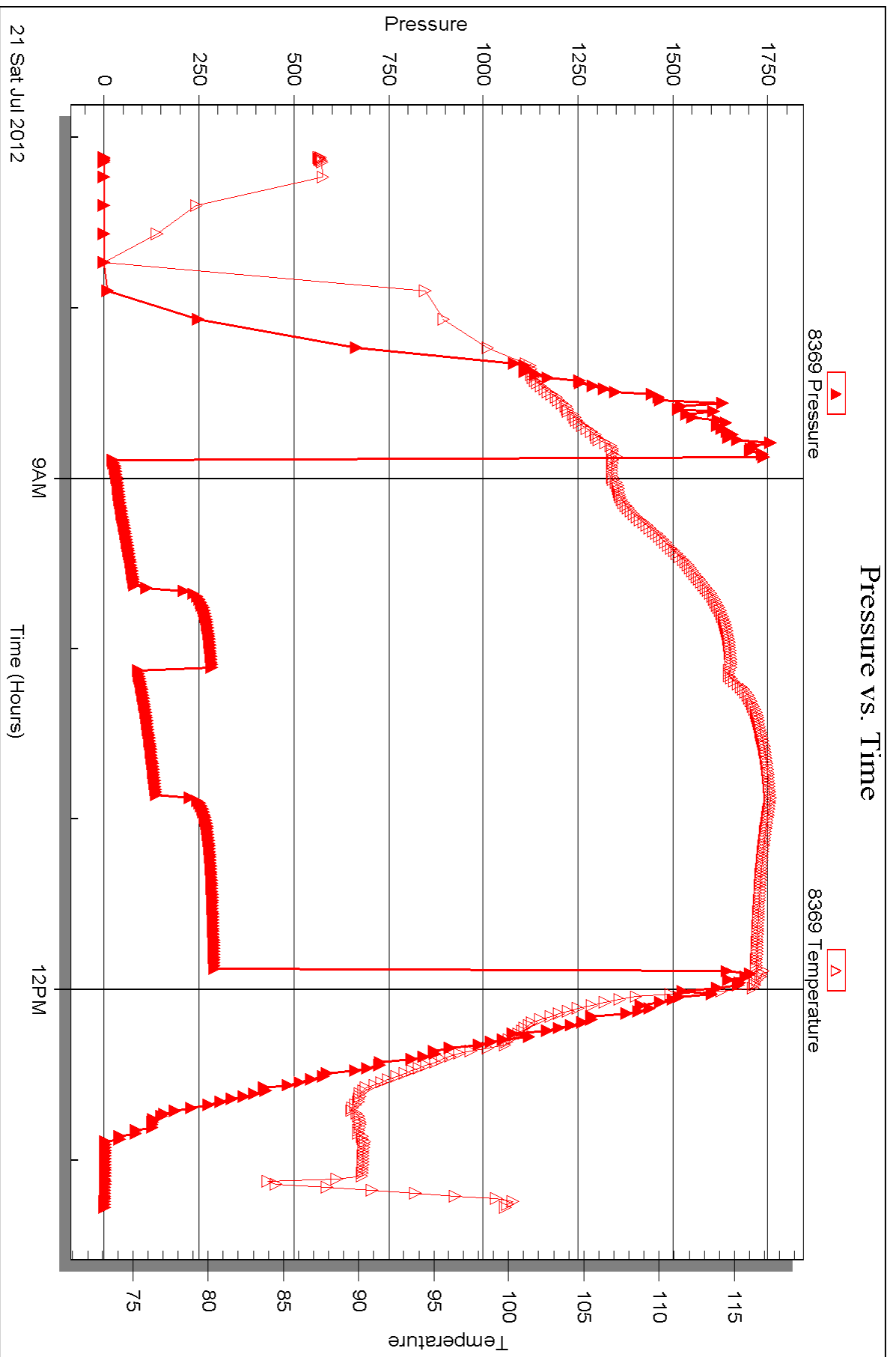


Serial #: 8369

Outside Barton Exploration, Inc.

Holland #B5

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 49275

Printed: 2012.07.26 @ 11:37:55



DRILL STEM TEST REPORT

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

3017 E 14th St
Hays KS 67601

ATTN: Jim Musgrove

Holland #B5

23-13s-22w Trego, KS

Start Date: 2012.07.21 @ 20:55:00

End Date: 2012.07.22 @ 02:40:00

Job Ticket #: 47077 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.07.26 @ 11:36:09



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Barton Exploration, Inc.

23-13s-22w Trego, KS

3017 E 14th St
Hays KS 67601

Holland #B5

ATTN: Jim Musgrove

Job Ticket: 47077

DST#: 2

Test Start: 2012.07.21 @ 20:55:00

GENERAL INFORMATION:

Formation: **KC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:26:30
 Time Test Ended: 02:40:00
 Interval: **3683.00 ft (KB) To 3704.00 ft (KB) (TVD)**
 Total Depth: 3704.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 2275.00 ft (KB)
 2270.00 ft (CF)
 KB to GR/CF: 5.00 ft

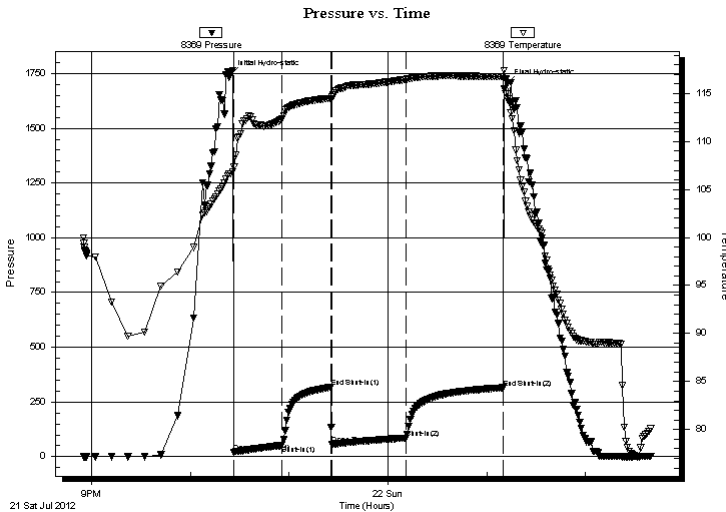
Serial #: 8369

Outside

Press @ RunDepth: 84.96 psig @ 3687.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.07.21 End Date: 2012.07.22 Last Calib.: 2012.07.22
 Start Time: 20:55:05 End Time: 02:39:59 Time On Btm: 2012.07.21 @ 22:24:30
 Time Off Btm: 2012.07.22 @ 01:12:30

TEST COMMENT: IF-BOB in 10 min
 ISI-Weak surface blow
 FF-BOB in 15 min
 FSI-Weak surface blow died in 38 min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1743.99	106.67	Initial Hydro-static
2	20.51	107.39	Open To Flow (1)
31	51.41	112.33	Shut-In(1)
61	316.39	114.48	End Shut-In(1)
62	56.24	114.67	Open To Flow (2)
107	84.96	116.47	Shut-In(2)
166	314.81	116.74	End Shut-In(2)
168	1705.66	114.41	Final Hydro-static

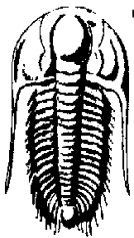
Recovery

Length (ft)	Description	Volume (bbl)
60.00	V SOMCW 2%O 78%W 20%M	0.84
60.00	V SOWCM 5%O 20%W 75%M	0.84
40.00	SGO 10%G 90%O	0.56
0.00	340' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Barton Exploration, Inc.
3017 E 14th St
Hays KS 67601
ATTN: Jim Musgrove

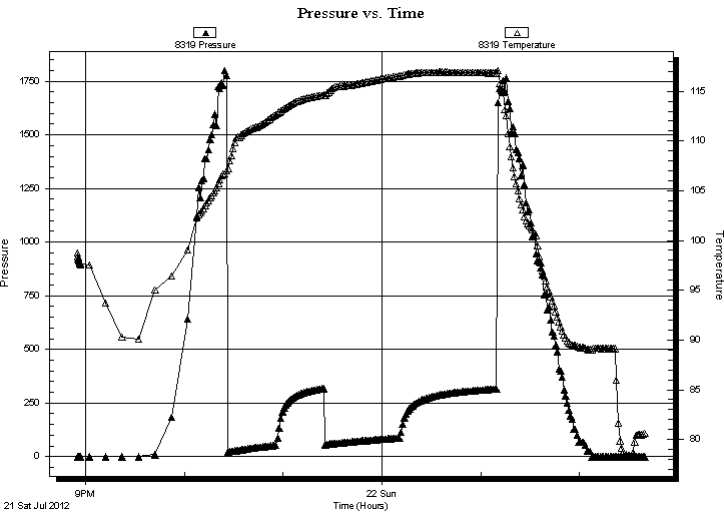
23-13s-22w Trego, KS
Holland #B5
Job Ticket: 47077 **DST#: 2**
Test Start: 2012.07.21 @ 20:55:00

GENERAL INFORMATION:

Formation: KC		Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock: ft (KB)		Tester: Brett Dickinson
Time Tool Opened: 22:26:30		Unit No: 59
Time Test Ended: 02:40:00		
Interval: 3683.00 ft (KB) To 3704.00 ft (KB) (TVD)		Reference Elevations: 2275.00 ft (KB)
Total Depth: 3704.00 ft (KB) (TVD)		2270.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair		KB to GR/CF: 5.00 ft

Serial #: 8319 Inside	Capacity: 8000.00 psig
Press @ RunDepth: psig @ 3687.00 ft (KB)	Last Calib.: 2012.07.22
Start Date: 2012.07.21 End Date: 2012.07.22	Time On Btm:
Start Time: 20:55:05 End Time: 02:39:59	Time Off Btm:

TEST COMMENT: IF-BOB in 10 min
 ISI-Weak surface blow
 FF-BOB in 15 min
 FSI-Weak surface blow died in 38 min



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
60.00	V SOMCW 2%O 78%W 20%M	0.84
60.00	V SOWCM 5%O 20%W 75%M	0.84
40.00	SGO 10%G 90%O	0.56
0.00	340' GIP	0.00

* Recovery from multiple tests

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Barton Exploration, Inc.

23-13s-22w Trego, KS

3017 E 14th St
Hays KS 67601

Holland #B5

Job Ticket: 47077

DST#: 2

ATTN: Jim Musgrove

Test Start: 2012.07.21 @ 20:55:00

Tool Information

Drill Pipe:	Length: 3668.00 ft	Diameter: 3.80 inches	Volume: 51.45 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 38000.00 lb
			<u>Total Volume: 51.45 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3683.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	41.00 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			3664.00	
Shut In Tool	5.00			3669.00	
Hydraulic tool	5.00			3674.00	
Packer	4.00			3678.00	20.00 Bottom Of Top Packer
Packer	5.00			3683.00	
Stubb	1.00			3684.00	
Perforations	3.00			3687.00	
Recorder	0.00	8319	Inside	3687.00	
Recorder	0.00	8369	Outside	3687.00	
Perforations	14.00			3701.00	
Bullnose	3.00			3704.00	21.00 Bottom Packers & Anchor

Total Tool Length: 41.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Barton Exploration, Inc.

23-13s-22w Trego, KS

3017 E 14th St
Hays KS 67601

Holland #B5

Job Ticket: 47077

DST#: 2

ATTN: Jim Musgrove

Test Start: 2012.07.21 @ 20:55:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

48000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	VSOMCW 2%O 78%W 20%M	0.842
60.00	VSOWCM 5%O 20%W 75%M	0.842
40.00	SGO 10%G 90%O	0.561
0.00	340' GIP	0.000

Total Length: 160.00 ft

Total Volume: 2.245 bbl

Num Fluid Samples: 0

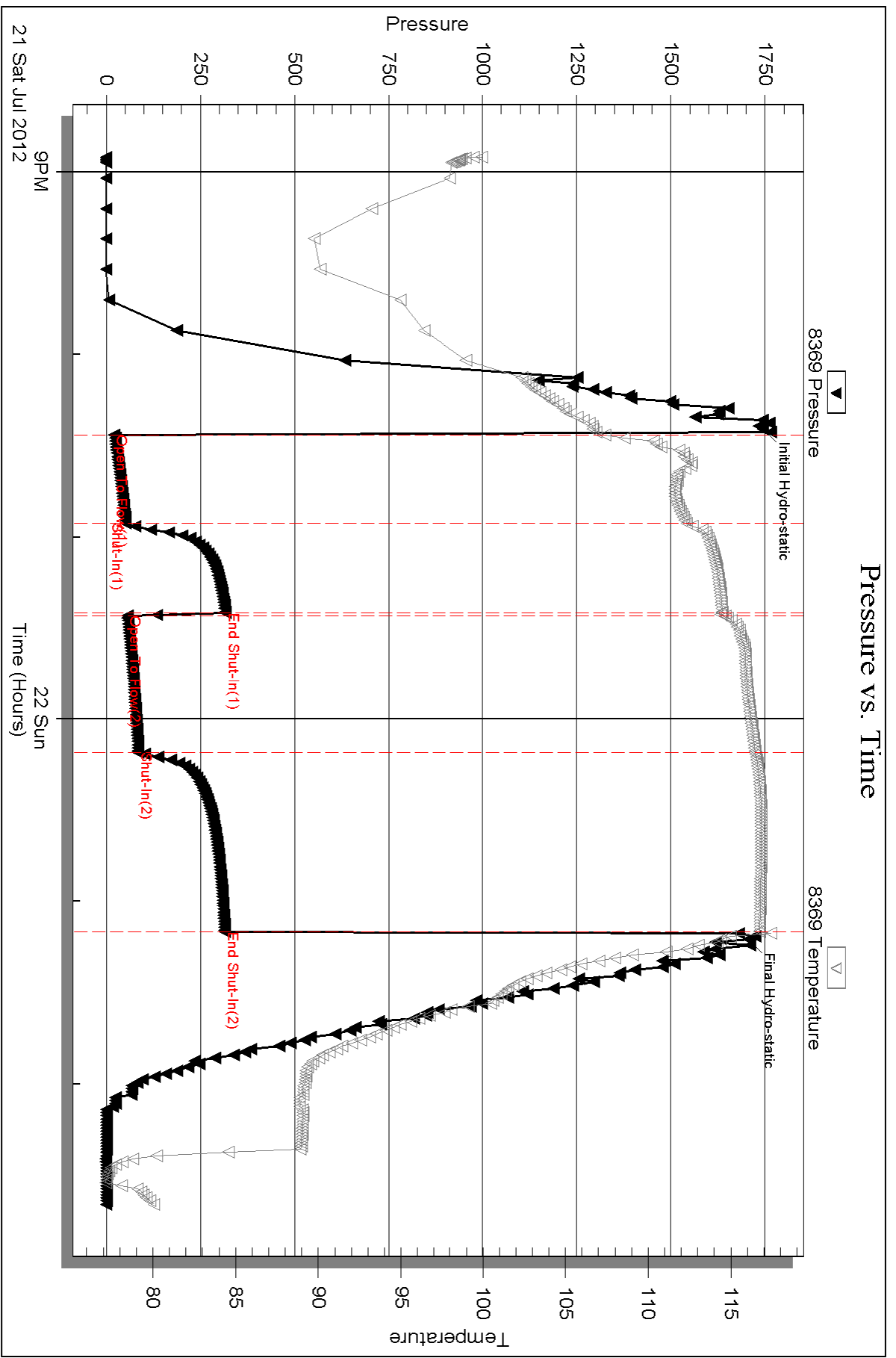
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW.14@ 80



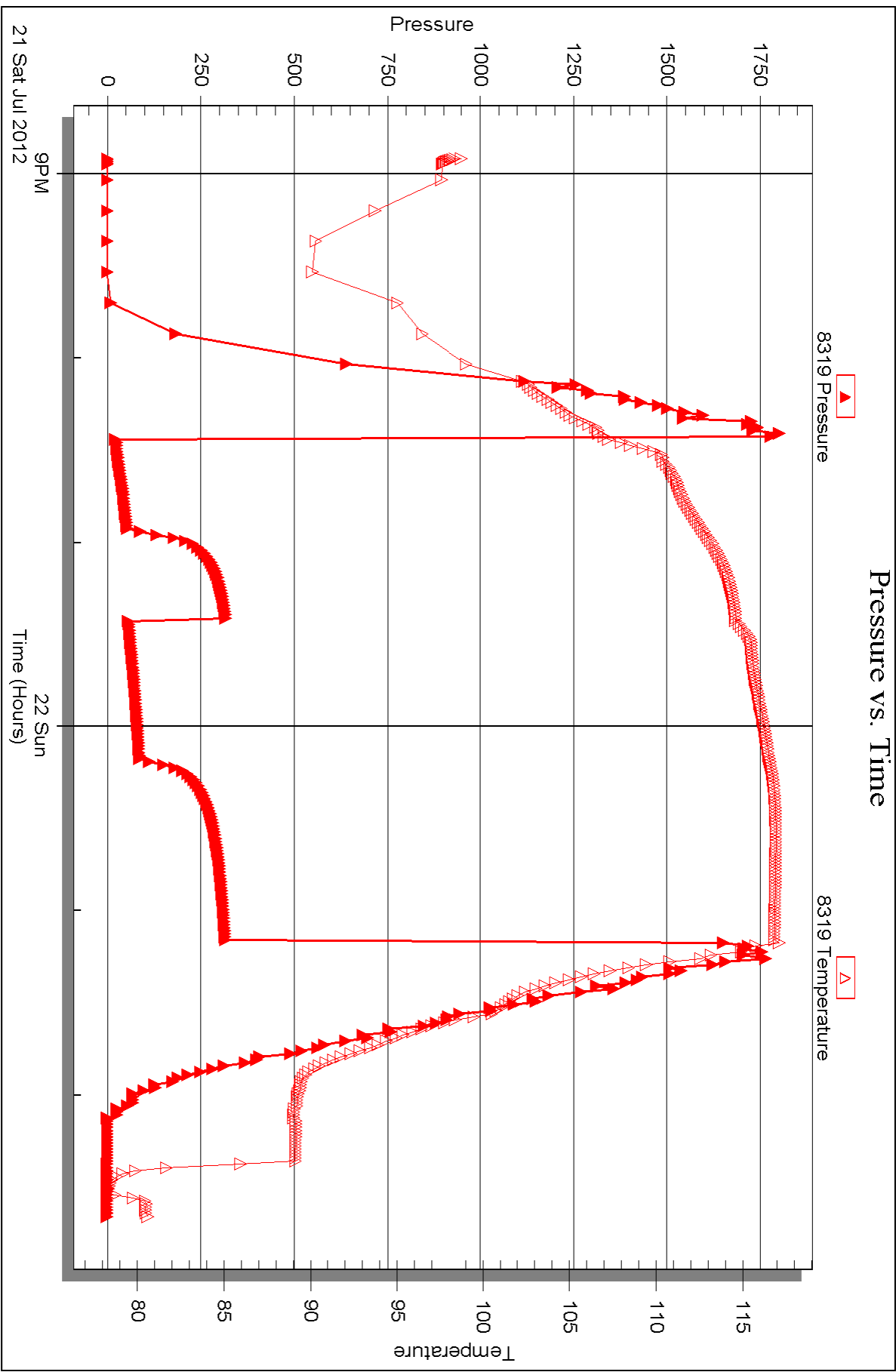
Serial #: 8319

Inside

Barton Exploration, Inc.

Holland #B5

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 47077

Printed: 2012.07.26 @ 11:36:11



DRILL STEM TEST REPORT

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

3017 E 14th St
Hays KS 67601

ATTN: Jim Musgrove

Holland #B5

23-13s-22w Trego, KS

Start Date: 2012.07.22 @ 12:45:00

End Date: 2012.07.22 @ 19:21:00

Job Ticket #: 47078 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.07.26 @ 11:35:03



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Barton Exploration, Inc.

23-13s-22w Trego, KS

3017 E 14th St
Hays KS 67601

Holland #B5

ATTN: Jim Musgrove

Job Ticket: 47078

DST#: 3

Test Start: 2012.07.22 @ 12:45:00

GENERAL INFORMATION:

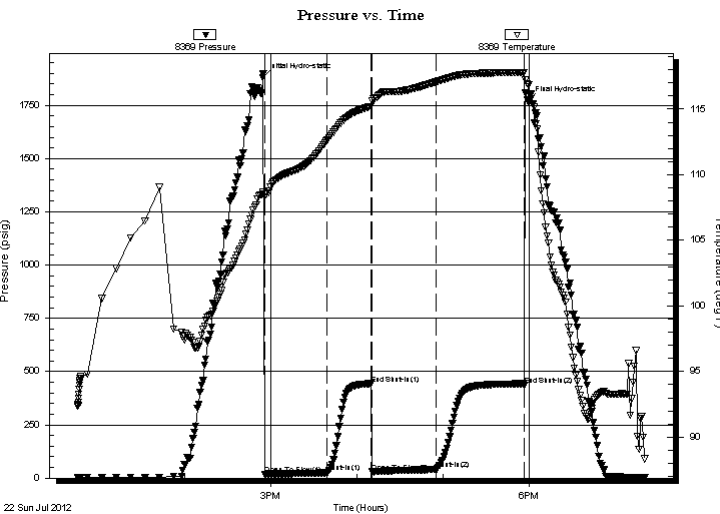
Formation: **KC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:55:30
 Time Test Ended: 19:21:00
 Interval: **3796.00 ft (KB) To 3814.00 ft (KB) (TVD)**
 Total Depth: 3814.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 2275.00 ft (KB)
 2270.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8369

Outside

Press @ Run Depth: 41.08 psig @ 3797.00 ft (KB)
 Start Date: 2012.07.22 End Date: 2012.07.22
 Start Time: 12:45:05 End Time: 19:20:59
 Capacity: 8000.00 psig
 Last Calib.: 2012.07.22
 Time On Btm: 2012.07.22 @ 14:54:00
 Time Off Btm: 2012.07.22 @ 17:59:00

TEST COMMENT: IF-6" blow
 IS- No blow
 FF-5" blow
 FS- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1881.35	108.54	Initial Hydro-static
2	18.50	108.30	Open To Flow (1)
45	25.44	112.63	Shut-In(1)
76	443.73	115.20	End Shut-In(1)
77	29.44	115.67	Open To Flow (2)
121	41.08	117.08	Shut-In(2)
183	434.48	117.79	End Shut-In(2)
185	1770.49	116.88	Final Hydro-static

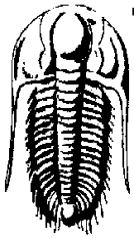
Recovery

Length (ft)	Description	Volume (bbl)
55.00	SOWCM 10%O 30%W 60%M	0.77
10.00	SGO 5%G 95%O	0.14
0.00	180ft GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Barton Exploration, Inc.
3017 E 14th St
Hays KS 67601
ATTN: Jim Musgrove

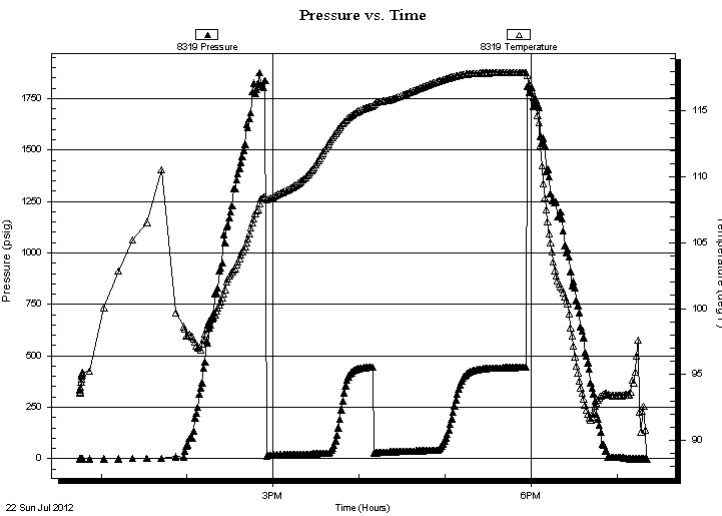
23-13s-22w Trego,KS
Holland #B5
Job Ticket: 47078 **DST#: 3**
Test Start: 2012.07.22 @ 12:45:00

GENERAL INFORMATION:

Formation: KC	Deviated: No Whipstock: ft (KB)	Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 14:55:30		Tester: Brett Dickinson
Time Test Ended: 19:21:00		Unit No: 59
Interval: 3796.00 ft (KB) To 3814.00 ft (KB) (TVD)		Reference Elevations: 2275.00 ft (KB)
Total Depth: 3814.00 ft (KB) (TVD)		2270.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair		KB to GR/CF: 5.00 ft

Serial #: 8319	Inside				
Press @ Run Depth:	psig @	3797.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2012.07.22	End Date:	2012.07.22	Last Calib.:	2012.07.22
Start Time:	12:45:05	End Time:	19:20:59	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IF-6" blow
 ISI-No blow
 FF-5" blow
 FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
55.00	SOWCM 10%O 30%W 60%M	0.77
10.00	SGO 5%G 95%O	0.14
0.00	180ft GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Barton Exploration, Inc.

23-13s-22w Trego, KS

3017 E 14th St
Hays KS 67601

Holland #B5

Job Ticket: 47078

DST#: 3

ATTN: Jim Musgrove

Test Start: 2012.07.22 @ 12:45:00

Tool Information

Drill Pipe:	Length: 3787.00 ft	Diameter: 3.80 inches	Volume: 53.12 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 39000.00 lb
			<u>Total Volume: 53.12 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 39000.00 lb
Depth to Top Packer:	3796.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3777.00	
Shut In Tool	5.00			3782.00	
Hydraulic tool	5.00			3787.00	
Packer	4.00			3791.00	20.00 Bottom Of Top Packer
Packer	5.00			3796.00	
Stubb	1.00			3797.00	
Recorder	0.00	8319	Inside	3797.00	
Recorder	0.00	8369	Outside	3797.00	
Perforations	14.00			3811.00	
Bullnose	3.00			3814.00	18.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Barton Exploration, Inc.

23-13s-22w Trego, KS

3017 E 14th St
Hays KS 67601

Holland #B5

Job Ticket: 47078

DST#: 3

ATTN: Jim Musgrove

Test Start: 2012.07.22 @ 12:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
55.00	SOWCM 10%O 30%W 60%M	0.772
10.00	SGO 5%G 95%O	0.140
0.00	180ft GIP	0.000

Total Length: 65.00 ft Total Volume: 0.912 bbl

Num Fluid Samples: 0

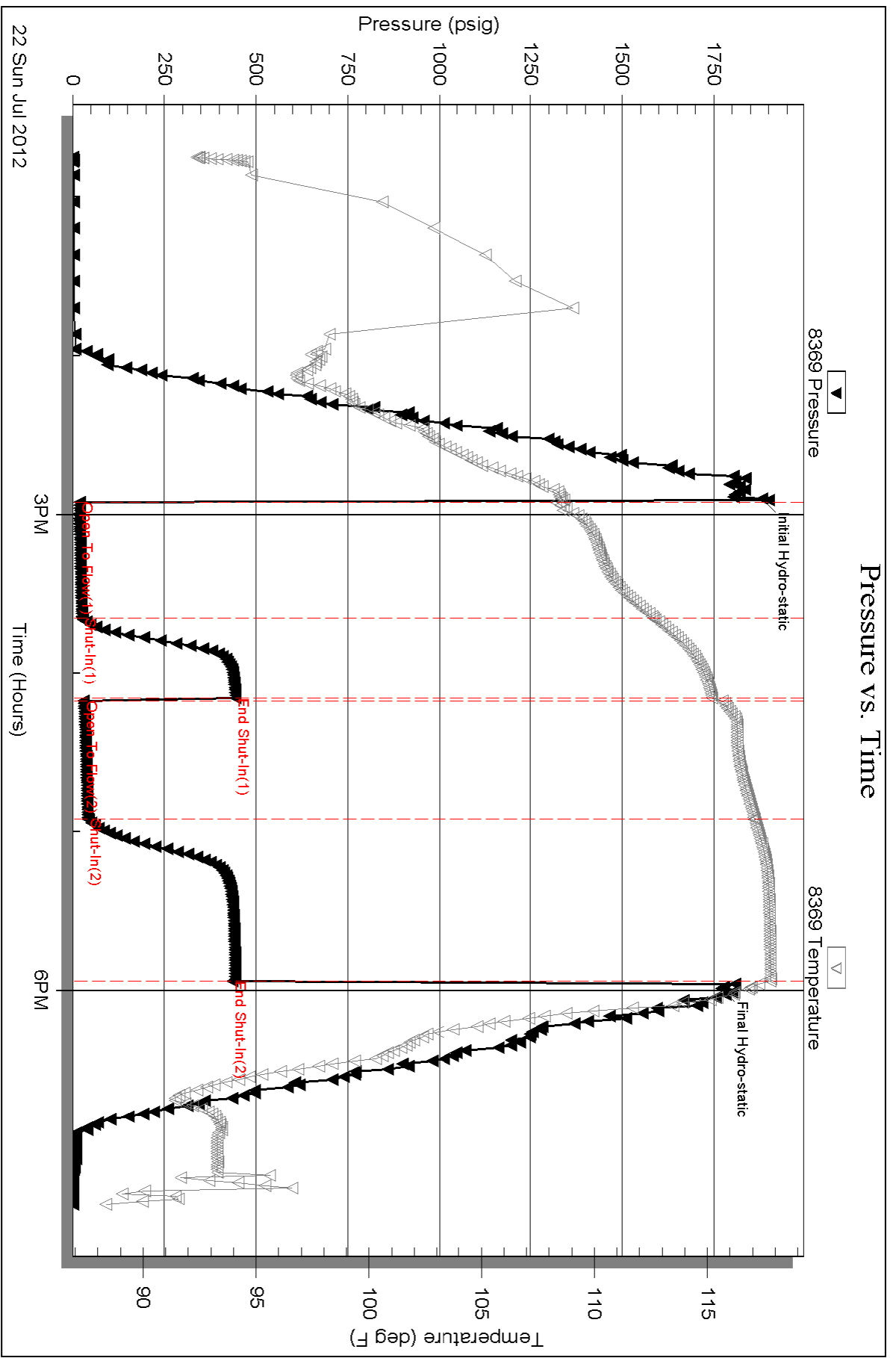
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



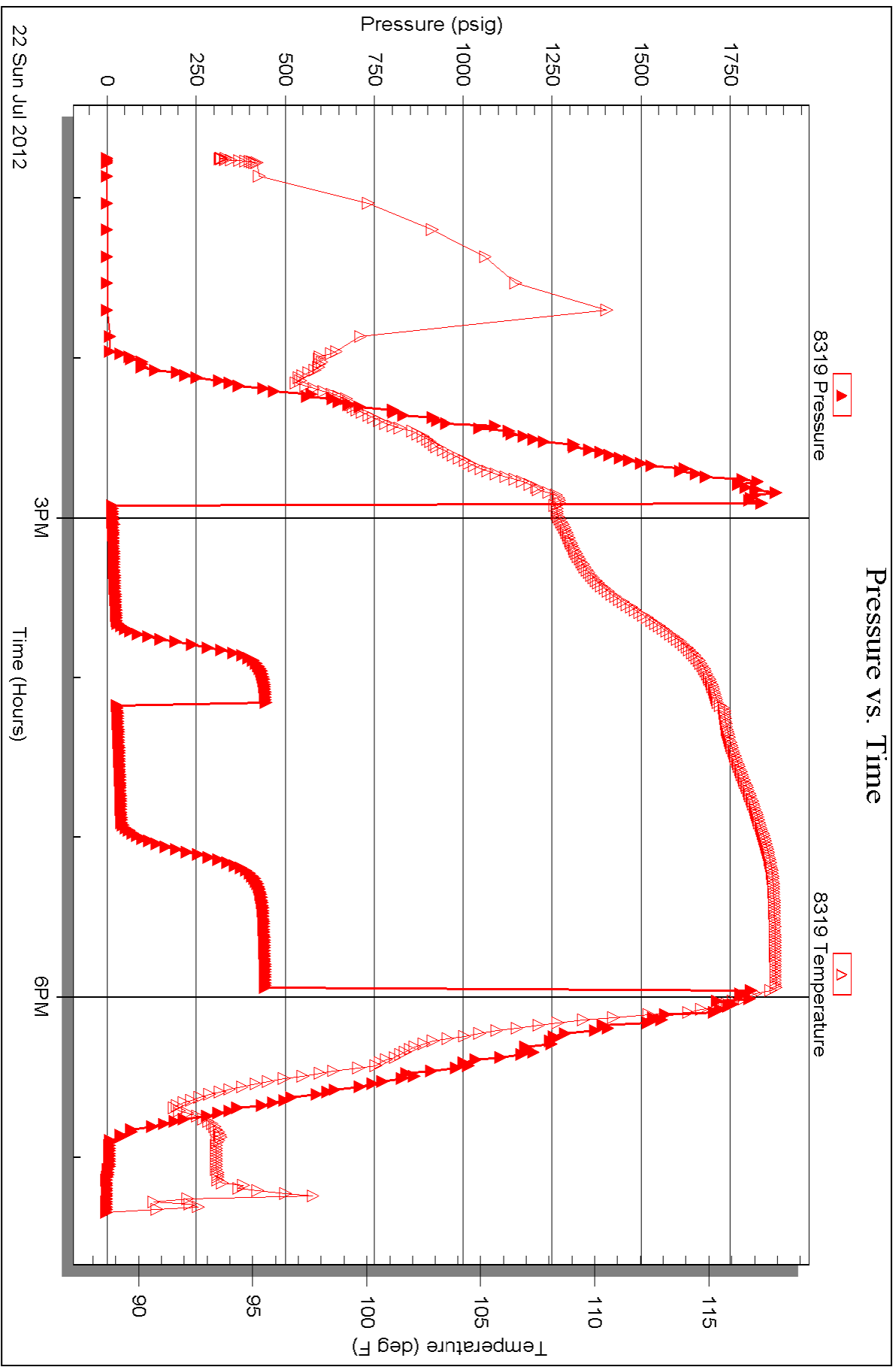
Serial #: 8319

Inside

Barton Exploration, Inc.

Holland #B5

DST Test Number: 3





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49275

Well Name & No. Holland #B5 Test No. 1 Date 7/21/12
 Company Barton Exploration, Inc. Elevation 2275 KB 2270 GL
 Address 3017 E 14th ST Hays KS 67601
 Co. Rep / Geo. Jim Musgrove Rig Royal #1
 Location: Sec. 23 Twp. 13 Rge. 22 Co. Trego State KS

Interval Tested 3647-3668 Zone Tested KC
 Anchor Length 21 Drill Pipe Run 3635 Mud Wt. 8.8
 Top Packer Depth 3642 Drill Collars Run — Vis 60
 Bottom Packer Depth 3647 Wt. Pipe Run — WL 9.6
 Total Depth 3668 Chlorides 500 ppm System LCM
 Blow Description IF-80B in 32 min
FSI - No blow
FF - 8 1/2 in blow
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>8</u>	<u>oil spotted wcm</u>		<u>15</u>	<u>85</u>	
<u>252</u>	<u>mcw</u>		<u>10</u>	<u>90</u>	

Rec Total 260 BHT 117 Gravity _____ API RW .1 @ 100° F Chlorides 53000 ppm

(A) Initial Hydrostatic 1,781 Test 1150 T-On Location 6:45
 (B) First Initial Flow 17 Jars _____ T-Started 7:10
 (C) First Final Flow 86 Safety Joint _____ T-Open 8:50
 (D) Initial Shut-In 285 Circ Sub _____ T-Pulled 11:50
 (E) Second Initial Flow 89 Hourly Standby _____ T-Out 13:15
 (F) Second Final Flow 137 Mileage 66.7 102.30 Comments _____
 (G) Final Shut-In 291 Sampler _____
 (H) Final Hydrostatic 1,690 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 45
 Initial Shut-In 30
 Final Flow 45
 Final Shut-In 60

Sub Total 1252.30

MP/DST Disc't _____

Approved By _____ Our Representative Burt D...

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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. **47077**

4/10

Well Name & No. Holland #B5 Test No. 2 Date 7/21/12
 Company Barton Exploration, Inc. Elevation 2275 KB 2270 GL
 Address 3017 E 14th St Hays KS 67601
 Co. Rep / Geo. Jim Musgrove Rig Royal #1
 Location: Sec. 23 Twp. 13 Rge. 22 Co. Trego State KS

Interval Tested 3683-3704 Zone Tested KC
 Anchor Length 21 Drill Pipe Run 3668 Mud Wt. 9.0
 Top Packer Depth 3678 Drill Collars Run — Vis 60
 Bottom Packer Depth 3683 Wt. Pipe Run — WL 8.0
 Total Depth 3704 Chlorides 1000 ppm System LCM 2 1/2
 Blow Description IF - BOB in 10 min
FSF - weak surface blow
FF - BOB in 15 min
FSF - weak surface blow died in 38 min

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>VSOMCW</u>	<u>2</u>	<u>78</u>	<u>20</u>	
<u>60</u>	<u>VSOWCM</u>	<u>5</u>	<u>20</u>	<u>75</u>	
<u>40</u>	<u>560</u>	<u>10</u>	<u>90</u>		
	<u>340ft GFP</u>				

Rec Total 160 BHT Gravity 34 API RW .14 @ 80 °F Chlorides 48,000 ppm
 (A) Initial Hydrostatic 1,744 Test 1150 T-On Location 21'15"
 (B) First Initial Flow 21 Jars T-Started 20:55
 (C) First Final Flow 51 Safety Joint T-Open 22:20
 (D) Initial Shut-In 316 Circ Sub T-Pulled 1:05
 (E) Second Initial Flow 56 Hourly Standby T-Out 2:40
 (F) Second Final Flow 85 Mileage 66.7 102.30 Comments _____
 (G) Final Shut-In 315 Sampler _____
 (H) Final Hydrostatic 1,706 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 30 Shale Packer _____
 Initial Shut-In 30 Extra Packer _____
 Final Flow 45 Extra Recorder _____
 Final Shut-In 60 Day Standby _____
 Accessibility _____
 Sub Total 1252.30 MP/DST Disc't _____

Approved By _____ Our Representative Bruce
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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47078

Well Name & No. Holland #B5 Test No. 3 Date 7/22/12
 Company Barton Exploration, Inc Elevation 2275 KB 2270 GL
 Address 3017 E 14th ST Hays KS 67601
 Co. Rep / Geo. Jim Musgrove Rig Royal #1
 Location: Sec. 23 Twp. 13 Rge. 22 Co. Trego State KS

Interval Tested 3796-3814 Zone Tested KC
 Anchor Length 18 Drill Pipe Run 3787 Mud Wt. 9.2
 Top Packer Depth 3791 Drill Collars Run — Vis 50
 Bottom Packer Depth 3796 Wt. Pipe Run — WL 8.8
 Total Depth 3814 Chlorides 4,000 ppm System LCM

Blow Description IF-6in blow
ISF-No blow
FF-5in blow
FST-No blow

Rec	Feet of	%gas	%oil	%water	%mu
<u>55</u>	<u>50 WCM</u>	<u>10</u>	<u>30</u>	<u>60</u>	
<u>10</u>	<u>560</u>	<u>5</u>	<u>95</u>		
	<u>1800 GIP</u>				

Rec Total 65 BHT 118 Gravity 30 API RW @ — °F Chlorides — ppm
 (A) Initial Hydrostatic 1,881 Test 1150 T-On Location 13:00
 (B) First Initial Flow 19 Jars T-Started 12:45
 (C) First Final Flow 25 Safety Joint T-Open 14:50
 (D) Initial Shut-In 444 Circ Sub T-Pulled 17:50
 (E) Second Initial Flow 29 Hourly Standby T-Out 19:13
 (F) Second Final Flow 41 Mileage 66-7x 2 204.60 Comments
 (G) Final Shut-In 434 Sampler
 (H) Final Hydrostatic 1,770 Straddle
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Initial Open 45
 Initial Shut-In 30
 Final Flow 43
 Final Shut-In 30

Sub Total 0
 Total 1354.60
 MP/DST Disc't

Approved By _____ Our Representative Brit D...

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