



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1152607
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

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



1152607

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

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

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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ALLIED OIL & GAS SERVICES, LLC 056626

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Russell K1

DATE <u>6.18.13</u>	SEC. <u>31</u>	TWP. <u>7</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30</u>	JOB FINISH <u>8:30</u>
LEASE <u>Miller</u>	WELL# <u>31-1</u>	LOCATION <u>Stockton Ks</u>			COUNTY <u>Rooks</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one)		<u>West 9m to rd 7 S into</u>					

CONTRACTOR <u>WW #12</u>	OWNER
TYPE OF JOB <u>SURFACE</u>	CEMENT
HOLE SIZE <u>12 1/8</u>	T.D.
CASING SIZE <u>8 5/8</u>	DEPTH <u>223</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>15'</u>
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	
DISPLACEMENT <u>13.05 bbl #20</u>	
EQUIPMENT	
PUMP TRUCK CEMENTER <u>Tony P.</u>	
# <u>409</u> HELPER <u>Nathan D.</u>	
BULK TRUCK	
# <u>378</u> DRIVER <u>Joe B.</u>	
BULK TRUCK	
#	
	COMMON <u>160 slt</u> @ <u>11.90</u> \$ <u>2864.00</u>
	POZMIX @
	GEL <u>3 slt</u> @ <u>23.40</u> \$ <u>70.20</u>
	CHLORIDE <u>10 slt</u> @ <u>64.00</u> \$ <u>384.00</u>
	ASC @
	@
	@
	@
	@
	HANDLING <u>162.09 P/13</u> @ <u>2.48</u> \$ <u>401.97</u>
	MILEAGE <u>506.24 Tm</u> @ <u>2.60</u> \$ <u>1316.22</u>
	TOTAL \$ <u>5,036.41</u>

REMARKS:

* Circulate mud to surface
* Run cement @ 160 slt = 2438 ⁶¹¹ slt
* Displace cement @ 13.05 ⁶¹¹ #20 cement to surface
* Shut 8 5/8 in @ 300 psi

SERVICE

DEPTH OF JOB <u>223</u>	
PUMP TRUCK CHARGE	\$ <u>1512.25</u>
EXTRA FOOTAGE @	
MILEAGE <u>Heavy 64</u> @ <u>7.70</u> \$ <u>492.80</u>	
MANIFOLD <u>Light 64</u> @ <u>4.40</u> \$ <u>281.60</u>	
@	
@	

CHARGE TO: Brinker Enterprises
STREET _____
CITY _____ STATE _____ ZIP _____

TOTAL \$ 2,286.65

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

TOTAL 0

To: Allied Oil & Gas Services, 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 Colby Hammer

SIGNATURE Colby Hammer

SALES TAX (If Any) _____
TOTAL CHARGES \$ 7,323.06
DISCOUNT \$ 1,904.00 IF PAID IN 30 DAYS
net 5,419.06
before tax

ALLIED OIL & GAS SERVICES, LLC 060334

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Oakley, KS

DATE <u>6-24-13</u>	SEC. <u>31</u>	TWP. <u>7</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION <u>11:30pm</u>	JOB START <u>4:00am</u>	JOB FINISH <u>5:00am</u>
LEASE <u>Miller</u>	WELL # <u>31-1</u>	LOCATION <u>Woodmen 7 1/2 E, S to</u>			COUNTY <u>Rooks</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)				<u>deadend, E into</u>			

CONTRACTOR <u>WV 12</u>	OWNER <u>same</u>
TYPE OF JOB <u>PTA</u>	
HOLE SIZE <u>7 1/8</u>	T.D. <u>3450</u>
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2</u>	DEPTH <u>3383'</u>
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT <u>41,066l</u>	

CEMENT AMOUNT ORDERED <u>2559lb 6940 4% gel</u>	
<u>1/4 # flo-seal</u>	
COMMON <u>1535lb @ 12.90</u>	<u>2738.70</u>
ROZMIX <u>1025lb @ 9.35</u>	<u>953.70</u>
GEL <u>95lb @ 23.90</u>	<u>210.60</u>
CHLORIDE	@
ASC	@
<u>flo-seal 64#</u>	<u>@ 2.97 190.08</u>
	@
	@
	@
	@
	@
	@
	@
	@
HANDLING <u>273.87 543</u>	<u>@ 2.48 679.20</u>
MILEAGE <u>11.44 tank 70</u>	<u>X 2.60 2082.08</u>
TOTAL <u>6856.36</u>	

PUMP TRUCK CEMENTER Lara E. Wentz
423/281 HELPER Paul Beaver
BULK TRUCK DRIVER David Scarrano
347
BULK TRUCK DRIVER

REMARKS:
mix 50 sks at 3383'
mix 85 sks at 1477'
mix 100 sks at 3331'
mix 40 sks at 269'
mix 10 sks at 401 w/plug
Plug RH 305lb

Thank you

CHARGE TO: Brinkor Enterprises
STREET _____
CITY _____ STATE _____ ZIP _____

SERVICE	
DEPTH OF JOB <u>3383'</u>	
PUMP TRUCK CHARGE	<u>2600.47</u>
EXTRA FOOTAGE	@
MILEAGE <u>MIFU 70</u>	<u>@ 7.70 539.00</u>
MANIFOLD	@
<u>MFLU 20</u>	<u>@ 4.40 308.00</u>
	@
TOTAL <u>3447.47</u>	

PLUG & FLOAT EQUIPMENT	
<u>wooden plug</u>	<u>@ 102.64</u>
	@
	@
	@
	@
TOTAL <u>102.64</u>	

To: Allied Oil & Gas Services, 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 Calvin P. Hamenstock
SIGNATURE [Signature]

SALES TAX (If Any) _____
TOTAL CHARGES 10,409.47
DISCOUNT 2,602.36 IF PAID IN 30 DAYS
7,807.10 Net.

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

July 23, 2013

Lee Brinker
Brinker Enterprises, LLC
216 S MARSHALL ST
GLEN ELDER, KS 67446

Re: ACO1
API 15-163-24121-00-00
Miller 31-1
SW/4 Sec.31-07S-19W
Rooks County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Lee Brinker

API # 15-163-24121-00-00

GEOLOGICAL REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY Brinker Enterprises, L.L.C.
 LEASE Miller # 31-1
 FIELD Wildcat
 LOCATION 1623' FSL + 837' FWL
 SEC 31 TWSP 7s RGE 19W
 COUNTY Rooks STATE Kansas

ELEVATION
 KB 1946'
 DF 1944'
 GL 1938'
 Depths Measured From
 Log KB Drilling KB

CONTRACTOR UWD Drilling Rig #12
 SPUD 6-18-13 COMP 6-24-13
 SAMPLES SAVED FROM 2870' TO R.T.D.

CASING
 Surface 8 5/8" @ 219'
 Production none

ELECTRIC LOGS
Nabors

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE	E. LOG	DATUM	A	B	C	D
			<u>R. log</u>	•	-0-		
<u>Anhydrite</u>	<u>1458</u>	<u>1458</u>	<u>+ 488</u>	<u>+ 521</u>	<u>+ 484</u>		
<u>Base Anhydrite</u>	<u>1493</u>	<u>1493</u>	<u>+ 453</u>	<u>+ 494</u>	<u>+ 450</u>		
<u>Topeka</u>	<u>2913</u>	<u>2912</u>	<u>- 966</u>	<u>- 959</u>	<u>- 972</u>		
<u>Heebner</u>	<u>3115</u>	<u>3114</u>	<u>- 1168</u>	<u>- 1161</u>	<u>- 1178</u>		
<u>Toronto</u>	<u>3142</u>	<u>3140</u>	<u>- 1194</u>	<u>- 1185</u>	<u>- 1200</u>		
<u>Lansing</u>	<u>3155</u>	<u>3154</u>	<u>- 1208</u>	<u>- 1200</u>	<u>- 1217</u>		
<u>Base Kansas City</u>	<u>3366</u>	<u>3364</u>	<u>- 1418</u>	<u>- 1415</u>	<u>- 1425</u>		
<u>Arbuckle</u>	<u>3404</u>	<u>3403</u>	<u>- 1457</u>	<u>- 1454</u>	<u>- 1497</u>		
<u>Total Depth</u>	<u>3450</u>	<u>3447</u>	<u>- 1501</u>	<u>- 1521</u>	<u>- 1620</u>		

REFERENCE WELLS

- A HK+W; Schaeffer #2, C-1/2 E/2 NE Sec. 31-7s-19W
- B Brinker Enterprises, L.L.C., Knipp SW #31-1 1943' FSL + 1428' FWL
- C Sec. 36-7s-20W
- D

REMARKS

This well ran 8 feet lower to 9 feet higher on the Lansing top and 3 feet lower to 40 feet higher on the Arbuckle top than the reference wells. Due to the low structural position and poor oil shows it was decided this well should be plugged and abandoned.

*Richard B. Bell
6-25-13*

LEGEND



DRILL STEM TEST REPORT

Prepared For: **Brinker Enterprises LLC.**

216 S Marshall St.
Glen Elder KS 67446

ATTN: Rich Bell

Miller #31-1

31-7s-31w Rooks,KS

Start Date: 2013.06.22 @ 07:39:09

End Date: 2013.06.22 @ 14:34:39

Job Ticket #: 53979 DST #: 1

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

Printed: 2013.06.25 @ 09:27:10



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Brinker Enterprises LLC.

31-7s-31w Rooks,KS

216 S Marshall St.
Glen Elder KS 67446

Miller #31-1

Job Ticket: 53979

DST#: 1

ATTN: Rich Bell

Test Start: 2013.06.22 @ 07:39:09

GENERAL INFORMATION:

Formation: **Lansing C-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:35:39

Time Test Ended: 14:34:39

Test Type: Conventional Bottom Hole (Initial)

Tester: Tate Lang

Unit No: 59

Interval: 3180.00 ft (KB) To 3241.00 ft (KB) (TVD)

Reference Elevations: 1946.00 ft (KB)

Total Depth: 3241.00 ft (KB) (TVD)

1938.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6753 Outside

Press @ RunDepth: 131.66 psig @ 3184.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.22

End Date:

2013.06.22

Last Calib.:

2013.06.22

Start Time: 07:39:14

End Time:

14:34:38

Time On Btm:

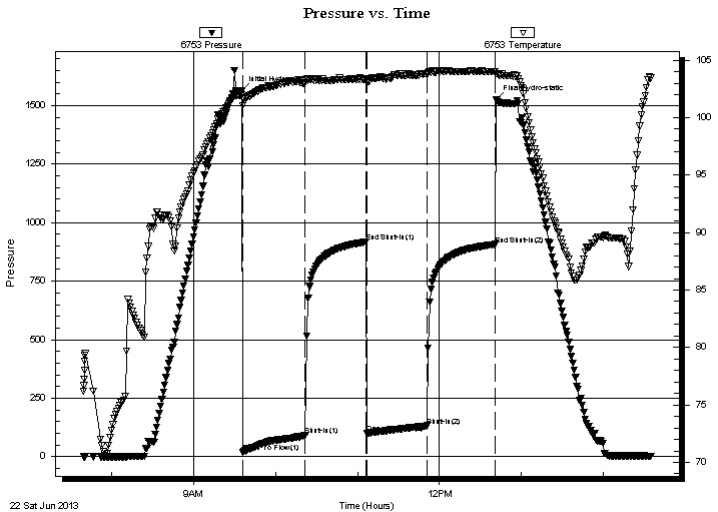
2013.06.22 @ 09:35:09

Time Off Btm:

2013.06.22 @ 12:41:39

TEST COMMENT: Good surface blow built to 8"
Dead no blow back
Fair surface blow built to 5"
Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1564.60	101.98	Initial Hydro-static
1	19.43	101.04	Open To Flow (1)
47	91.08	103.06	Shut-In(1)
91	918.12	103.34	End Shut-In(1)
92	99.44	103.01	Open To Flow (2)
136	131.66	103.74	Shut-In(2)
186	906.83	104.00	End Shut-In(2)
187	1526.41	103.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	30%W 70%M	0.73
120.00	80% 20%M	1.68

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Brinker Enterprises LLC.

31-7s-31w Rooks,KS

216 S Marshall St.
Glen Elder KS 67446

Miller #31-1

Job Ticket: 53979

DST#: 1

ATTN: Rich Bell

Test Start: 2013.06.22 @ 07:39:09

Tool Information

Drill Pipe:	Length: 3071.00 ft	Diameter: 3.80 inches	Volume: 43.08 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume: 43.67 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	43000.00 lb
Depth to Top Packer:	3180.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	61.00 ft				
Tool Length:	81.00 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			3161.00	
Shut In Tool	5.00			3166.00	
Hydraulic tool	5.00			3171.00	
Packer	4.00			3175.00	20.00 Bottom Of Top Packer
Packer	5.00			3180.00	
Stubb	1.00			3181.00	
Perforations	3.00			3184.00	
Recorder	0.00	8319	Inside	3184.00	
Recorder	0.00	6753	Outside	3184.00	
Perforations	20.00			3204.00	
Change Over Sub	1.00			3205.00	
Drill Pipe	32.00			3237.00	
Change Over Sub	1.00			3238.00	
Bullnose	3.00			3241.00	61.00 Bottom Packers & Anchor

Total Tool Length: 81.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brinker Enterprises LLC.

31-7s-31w Rooks,KS

216 S Marshall St.
Glen Elder KS 67446

Miller #31-1

Job Ticket: 53979

DST#: 1

ATTN: Rich Bell

Test Start: 2013.06.22 @ 07:39:09

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:

13500 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
130.00	30%W 70%M	0.730
120.00	80% 20%M	1.683

Total Length: 250.00 ft Total Volume: 2.413 bbl

Num Fluid Samples: 0

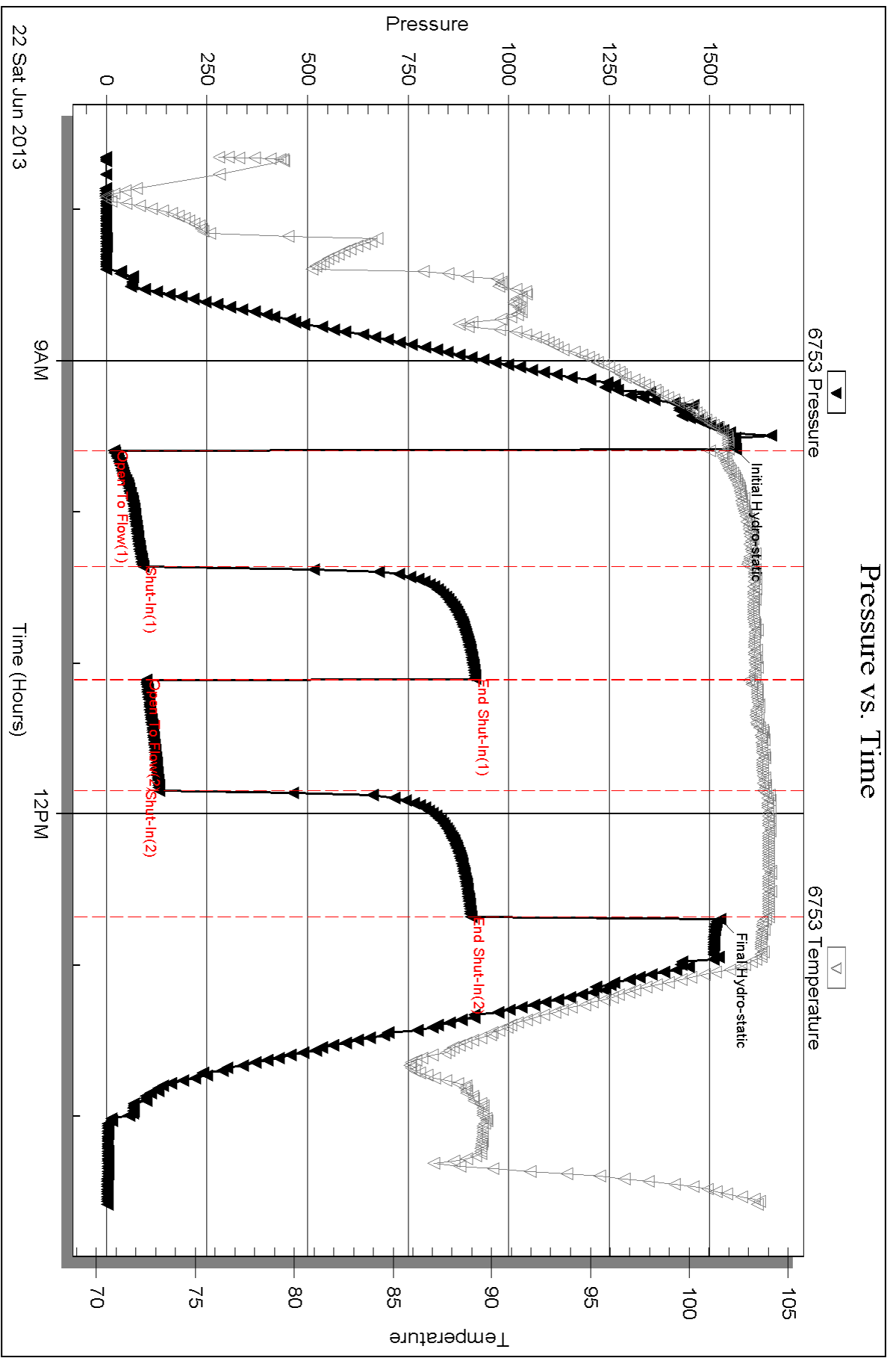
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .380 @ 90 F = 13500



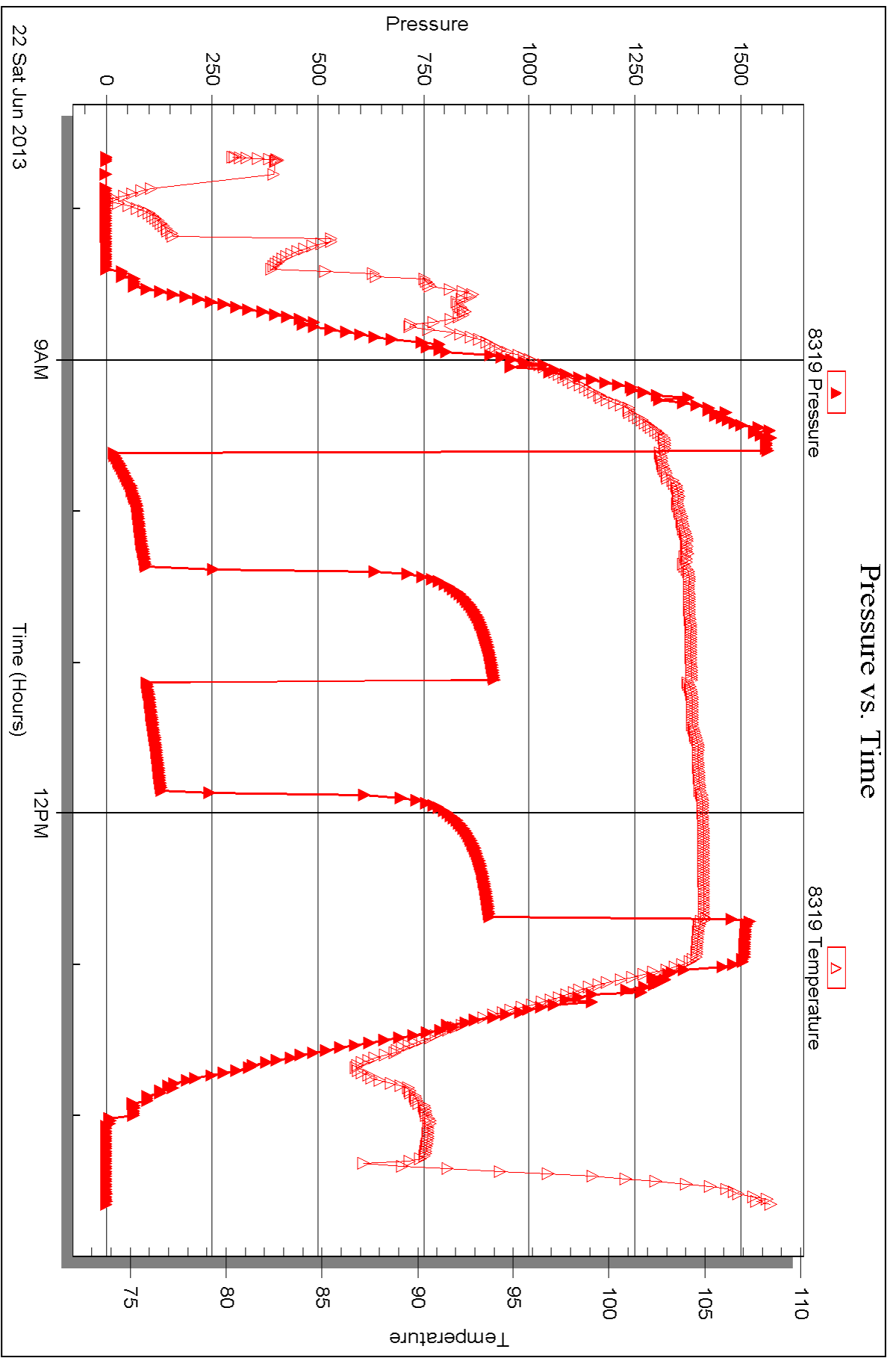
Serial #: 8319

Inside

Brinker Enterprises LLC

Miller #31-1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 53979

Printed: 2013.06.25 @ 09:27:14



DRILL STEM TEST REPORT

Prepared For: **Brinker Enterprises LLC.**

216 S Marshall St.
Glen Elder KS 67446

ATTN: Rich Bell

Miller #31-1

31-7s-31w Rooks,KS

Start Date: 2013.06.23 @ 04:15:57

End Date: 2013.06.23 @ 09:59:57

Job Ticket #: 53980 DST #: 2

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

Printed: 2013.06.25 @ 09:26:02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Brinker Enterprises LLC.

31-7s-31w Rooks,KS

216 S Marshall St.
Glen Elder KS 67446

Miller #31-1

Job Ticket: 53980

DST#: 2

ATTN: Rich Bell

Test Start: 2013.06.23 @ 04:15:57

GENERAL INFORMATION:

Formation: **LKC I-K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:20:57

Time Test Ended: 09:59:57

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 59

Interval: 3297.00 ft (KB) To 3360.00 ft (KB) (TVD)

Reference Elevations: 1946.00 ft (KB)

Total Depth: 3241.00 ft (KB) (TVD)

1938.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6753 Outside

Press @ Run Depth: 33.06 psig @ 3303.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.23

End Date:

2013.06.23

Last Calib.:

2013.06.23

Start Time: 04:16:02

End Time:

09:59:56

Time On Btm:

2013.06.23 @ 06:20:27

Time Off Btm:

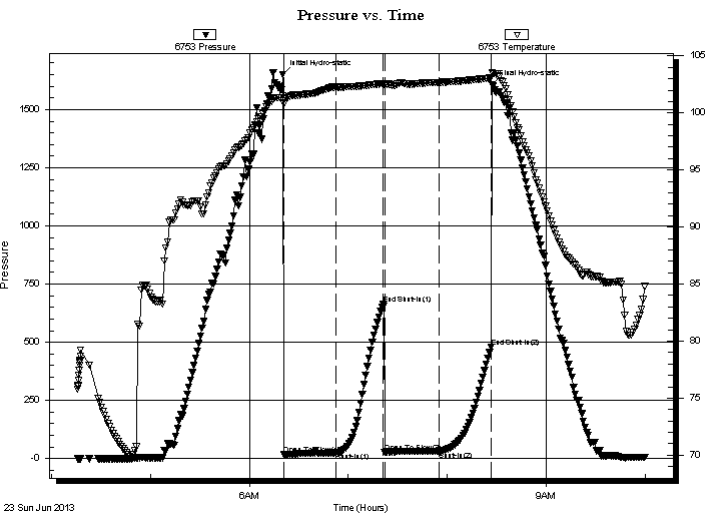
2013.06.23 @ 08:26:57

TEST COMMENT: Weak durface blow built to 1/2"

Dead no blow back

Dead no blow

Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1649.56	101.46	Initial Hydro-static
1	17.01	100.77	Open To Flow (1)
32	25.23	102.27	Shut-In(1)
61	663.12	102.57	End Shut-In(1)
62	27.95	102.44	Open To Flow (2)
95	33.06	102.69	Shut-In(2)
126	479.39	103.08	End Shut-In(2)
127	1608.24	103.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	5%0 95%M	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Brinker Enterprises LLC.

31-7s-31w Rooks,KS

216 S Marshall St.
Glen Elder KS 67446

Miller #31-1

Job Ticket: 53980

DST#: 2

ATTN: Rich Bell

Test Start: 2013.06.23 @ 04:15:57

Tool Information

Drill Pipe:	Length: 3167.00 ft	Diameter: 3.80 inches	Volume: 44.42 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	22000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume: 45.01 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	43000.00 lb
Depth to Top Packer:	3297.00 ft			Final	43000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	63.00 ft				
Tool Length:	83.00 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			3278.00	
Shut In Tool	5.00			3283.00	
Hydraulic tool	5.00			3288.00	
Packer	4.00			3292.00	20.00 Bottom Of Top Packer
Packer	5.00			3297.00	
Stubb	1.00			3298.00	
Perforations	5.00			3303.00	
Recorder	0.00	8319	Inside	3303.00	
Recorder	0.00	6753	Outside	3303.00	
Perforations	20.00			3323.00	
Change Over Sub	1.00			3324.00	
Drill Pipe	32.00			3356.00	
Change Over Sub	1.00			3357.00	
Bullnose	3.00			3360.00	63.00 Bottom Packers & Anchor

Total Tool Length: 83.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brinker Enterprises LLC.

31-7s-31w Rooks,KS

216 S Marshall St.
Glen Elder KS 67446

Miller #31-1

Job Ticket: 53980

DST#: 2

ATTN: Rich Bell

Test Start: 2013.06.23 @ 04:15:57

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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.57 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	5%O 95%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

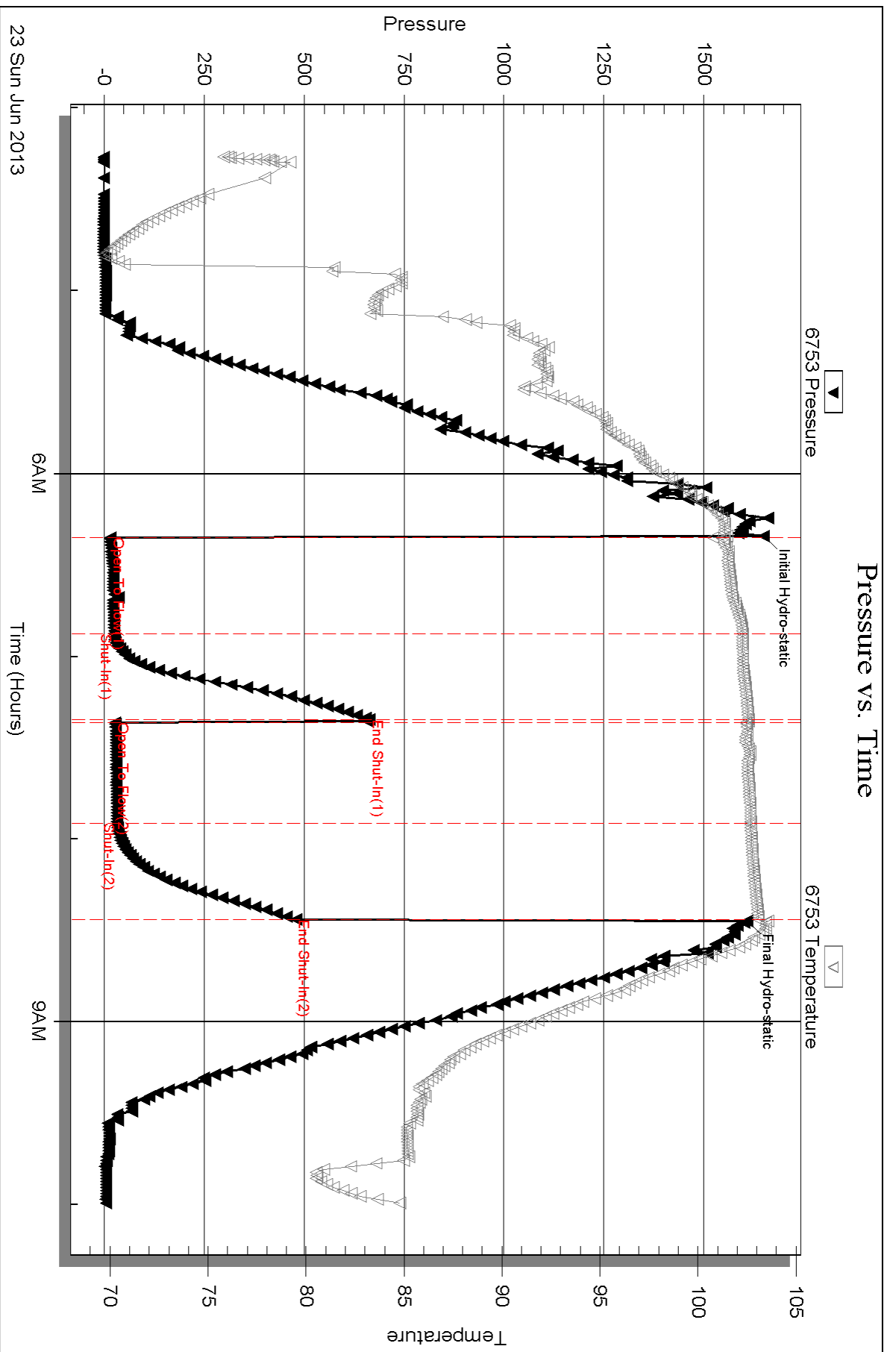
Num Gas Bombs: 0

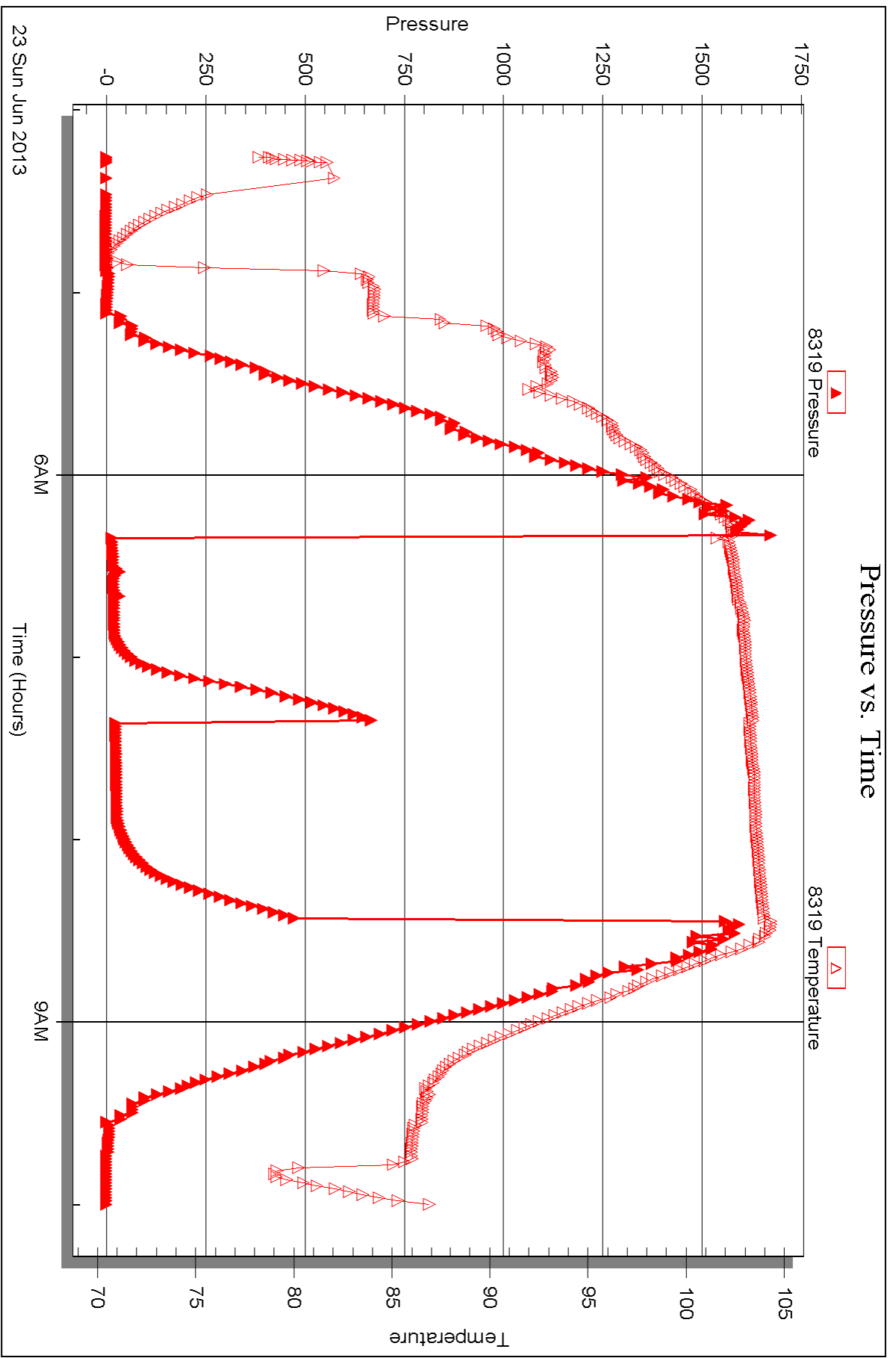
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Brinker Enterprises LLC.**

216 S Marshall St.
Glen Elder KS 67446

ATTN: Rich Bell

Miller #31-1

31-7s-31w Rooks,KS

Start Date: 2013.06.23 @ 18:50:02

End Date: 2013.06.24 @ 00:42:02

Job Ticket #: 53981 DST #: 3

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

Printed: 2013.06.25 @ 09:25:24



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Brinker Enterprises LLC.

31-7s-31w Rooks,KS

216 S Marshall St.
Glen Elder KS 67446

Miller #31-1

Job Ticket: 53981

DST#: 3

ATTN: Rich Bell

Test Start: 2013.06.23 @ 18:50:02

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:53:32

Time Test Ended: 00:42:02

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 59

Interval: 3355.00 ft (KB) To 3416.00 ft (KB) (TVD)

Reference Elevations: 1946.00 ft (KB)

Total Depth: 3416.00 ft (KB) (TVD)

1938.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6753 Outside

Press @ Run Depth: 23.07 psig @ 3359.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.23

End Date:

2013.06.24

Last Calib.: 2013.06.24

Start Time: 18:50:07

End Time:

00:42:01

Time On Btm: 2013.06.23 @ 20:53:02

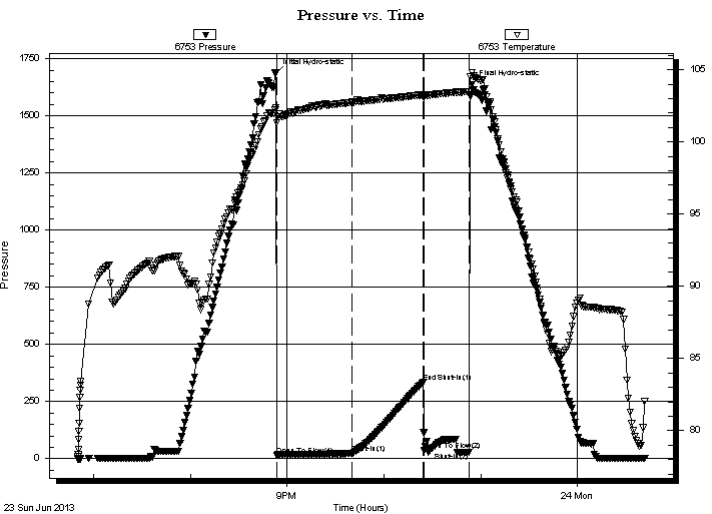
Time Off Btm: 2013.06.23 @ 22:54:32

TEST COMMENT: Weak surface blow built to 1 in.

Dead no blow back

Dead no blow

Pulled it



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1684.77	102.38	Initial Hydro-static
1	16.45	101.33	Open To Flow (1)
47	23.07	102.74	Shut-In(1)
91	332.83	103.26	End Shut-In(1)
92	37.36	103.19	Open To Flow (2)
120	27.52	103.49	Shut-In(2)
122	1637.55	104.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Free Oil 100%O	0.01
8.00	40%O 60%M	0.04

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Brinker Enterprises LLC.

31-7s-31w Rooks,KS

216 S Marshall St.
Glen Elder KS 67446

Miller #31-1

Job Ticket: 53981

DST#: 3

ATTN: Rich Bell

Test Start: 2013.06.23 @ 18:50:02

Tool Information

Drill Pipe:	Length: 3230.00 ft	Diameter: 3.80 inches	Volume: 45.31 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: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 45.90 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3355.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	61.00 ft			
Tool Length:	81.00 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			3336.00	
Shut In Tool	5.00			3341.00	
Hydraulic tool	5.00			3346.00	
Packer	4.00			3350.00	20.00 Bottom Of Top Packer
Packer	5.00			3355.00	
Stubb	1.00			3356.00	
Perforations	3.00			3359.00	
Recorder	0.00	8319	Inside	3359.00	
Recorder	0.00	6753	Outside	3359.00	
Perforations	20.00			3379.00	
Change Over Sub	1.00			3380.00	
Drill Pipe	32.00			3412.00	
Change Over Sub	1.00			3413.00	
Bullnose	3.00			3416.00	61.00 Bottom Packers & Anchor

Total Tool Length: 81.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brinker Enterprises LLC.

31-7s-31w Rooks,KS

216 S Marshall St.
Glen Elder KS 67446

Miller #31-1

Job Ticket: 53981

DST#: 3

ATTN: Rich Bell

Test Start: 2013.06.23 @ 18:50:02

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Free Oil 100%O	0.010
8.00	40%O 60%M	0.039

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

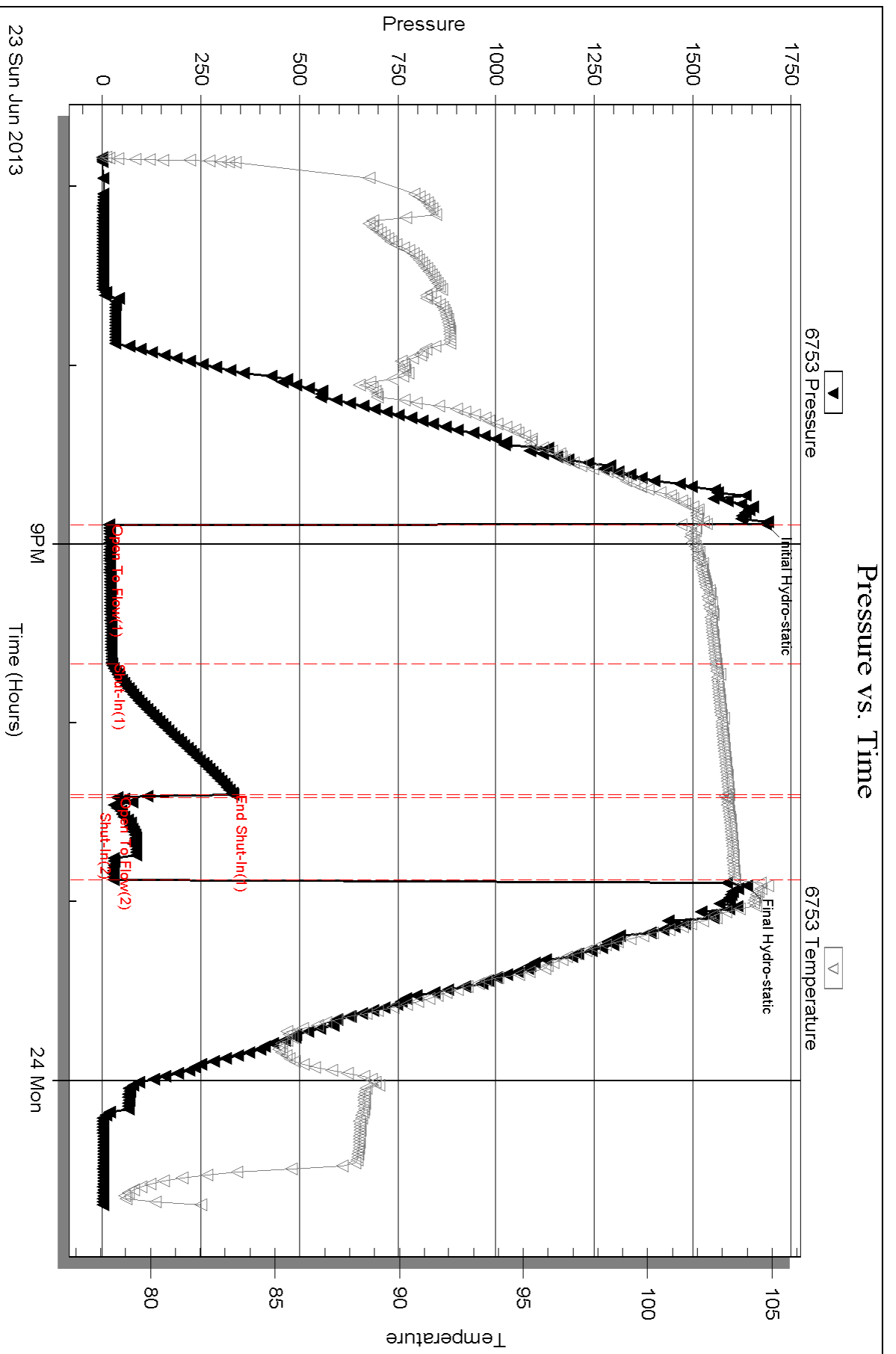
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



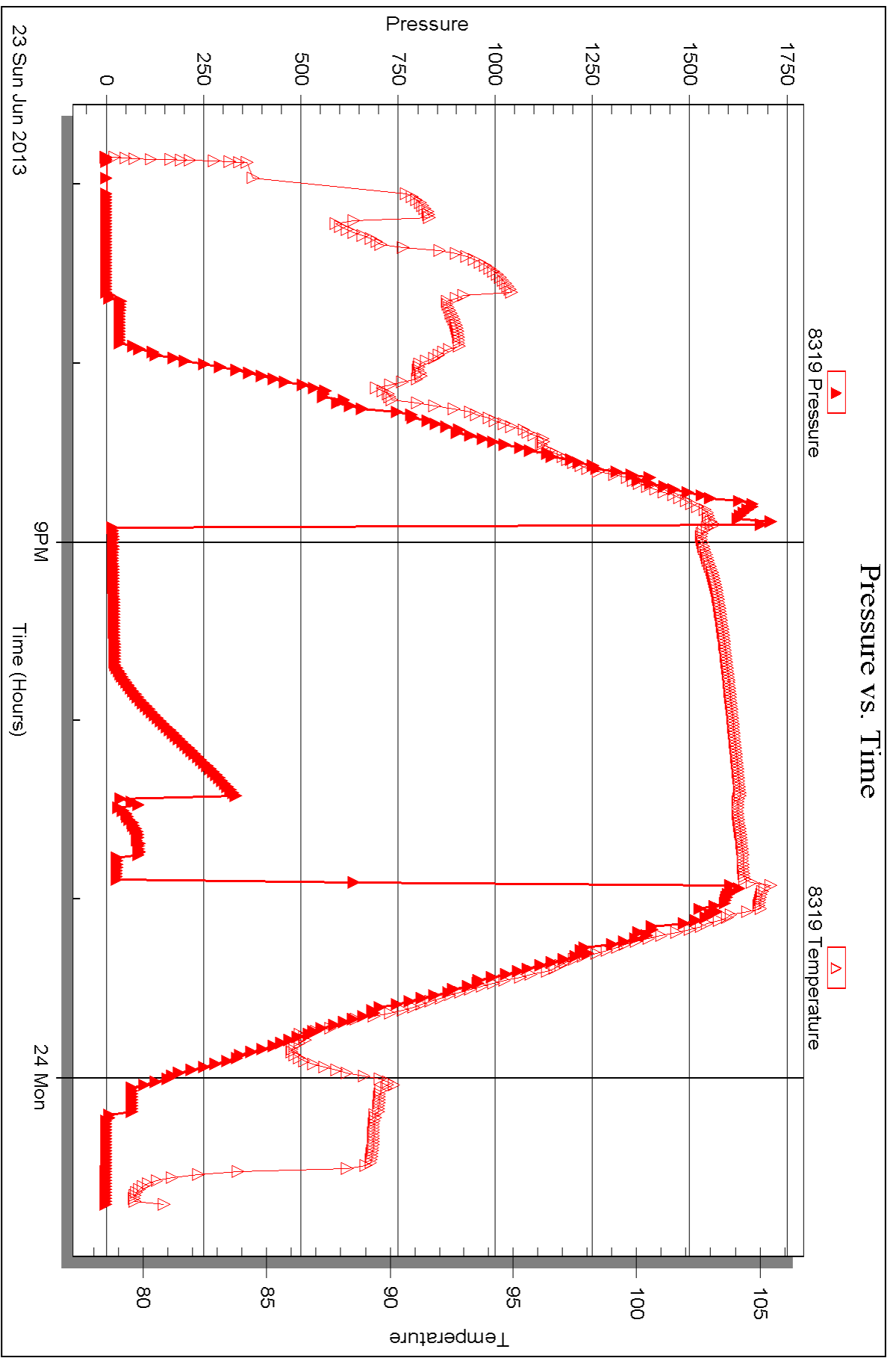
Serial #: 8319

Inside

Brinker Enterprises LLC

Miller #31-1

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 53981

Printed: 2013.06.25 @ 09:25:27



DRILL STEM TEST REPORT

Prepared For: **Brinker Enterprises LLC.**

216 S Marshall St.
Glen Elder KS 67446

ATTN: Rich Bell

Miller #31-1

31-7s-31w Rooks,KS

Start Date: 2013.06.24 @ 07:09:56

End Date: 2013.06.24 @ 13:18:26

Job Ticket #: 53982 DST #: 4

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

Printed: 2013.06.25 @ 09:24:39



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Brinker Enterprises LLC.

31-7s-31w Rooks,KS

216 S Marshall St.
Glen Elder KS 67446

Miller #31-1

Job Ticket: 53982

DST#: 4

ATTN: Rich Bell

Test Start: 2013.06.24 @ 07:09:56

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:01:26

Time Test Ended: 13:18:26

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 59

Interval: 3416.00 ft (KB) To 3431.00 ft (KB) (TVD)

Reference Elevations: 1946.00 ft (KB)

Total Depth: 3431.00 ft (KB) (TVD)

1938.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6753 Outside

Press @ Run Depth: 107.09 psig @ 3418.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.24

End Date:

2013.06.24

Last Calib.: 2013.06.24

Start Time: 07:10:01

End Time:

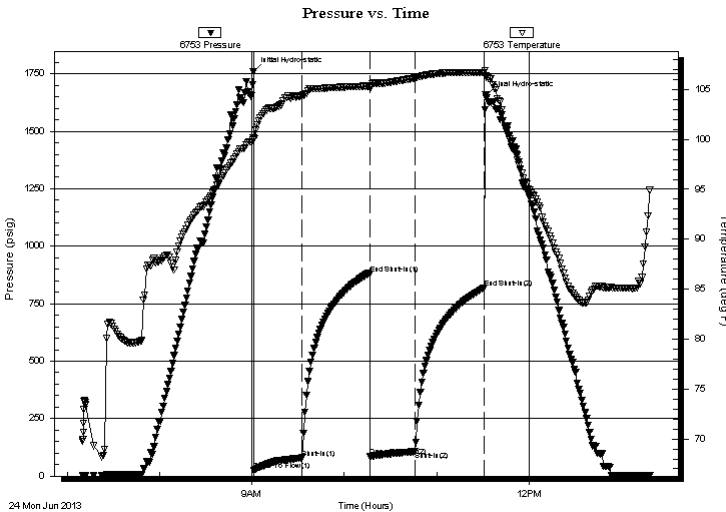
13:18:25

Time On Btm: 2013.06.24 @ 09:00:56

Time Off Btm: 2013.06.24 @ 11:31:56

TEST COMMENT: Strong surface blow built to 8"
Dead no blow back
Fair surface blow built to 5 1/2"
Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1760.51	100.10	Initial Hydro-static
1	23.63	100.04	Open To Flow (1)
32	79.13	104.38	Shut-In(1)
76	877.82	105.34	End Shut-In(1)
76	85.12	105.14	Open To Flow (2)
105	107.09	106.13	Shut-In(2)
150	818.92	106.68	End Shut-In(2)
151	1656.56	106.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	30%W 70%M	0.34
120.00	80%W 20%M	1.23

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Brinker Enterprises LLC.

31-7s-31w Rooks,KS

216 S Marshall St.
Glen Elder KS 67446

Miller #31-1

Job Ticket: 53982

DST#: 4

ATTN: Rich Bell

Test Start: 2013.06.24 @ 07:09:56

Tool Information

Drill Pipe:	Length: 3292.00 ft	Diameter: 3.80 inches	Volume: 46.18 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:	22000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	53000.00 lb
			<u>Total Volume: 46.77 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	43000.00 lb
Depth to Top Packer:	3416.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	15.00 ft				
Tool Length:	35.00 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			3397.00	
Shut In Tool	5.00			3402.00	
Hydraulic tool	5.00			3407.00	
Packer	4.00			3411.00	20.00 Bottom Of Top Packer
Packer	5.00			3416.00	
Stubb	1.00			3417.00	
Perforations	1.00			3418.00	
Recorder	0.00	8319	Inside	3418.00	
Recorder	0.00	6753	Outside	3418.00	
Perforations	10.00			3428.00	
Bullnose	3.00			3431.00	15.00 Bottom Packers & Anchor

Total Tool Length: 35.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brinker Enterprises LLC.

31-7s-31w Rooks,KS

216 S Marshall St.
Glen Elder KS 67446

Miller #31-1

Job Ticket: 53982

DST#: 4

ATTN: Rich Bell

Test Start: 2013.06.24 @ 07:09:56

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:

26000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
70.00	30%W 70%M	0.344
120.00	80%W 20%M	1.228

Total Length: 190.00 ft Total Volume: 1.572 bbl

Num Fluid Samples: 0

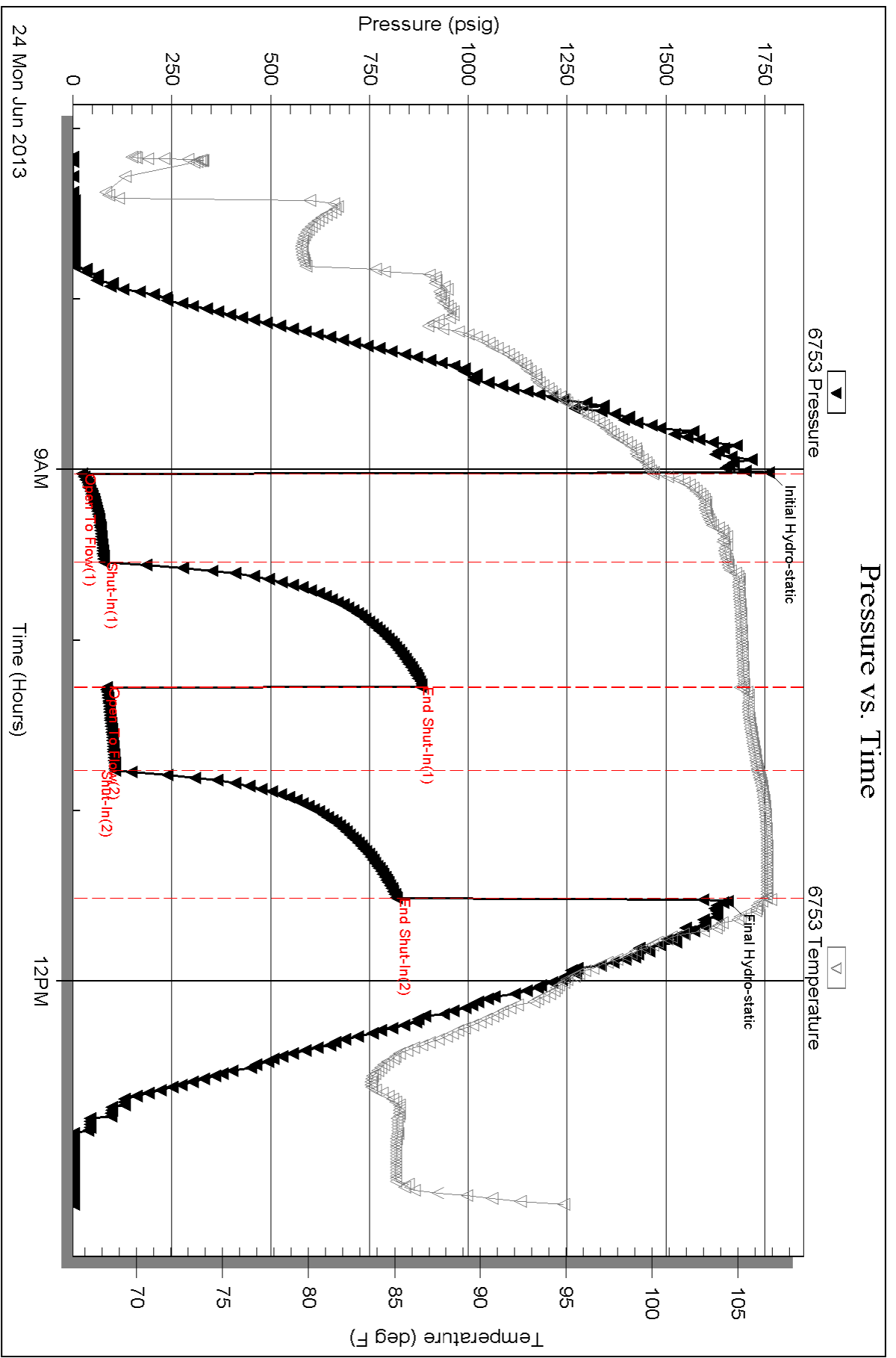
Num Gas Bombs: 0

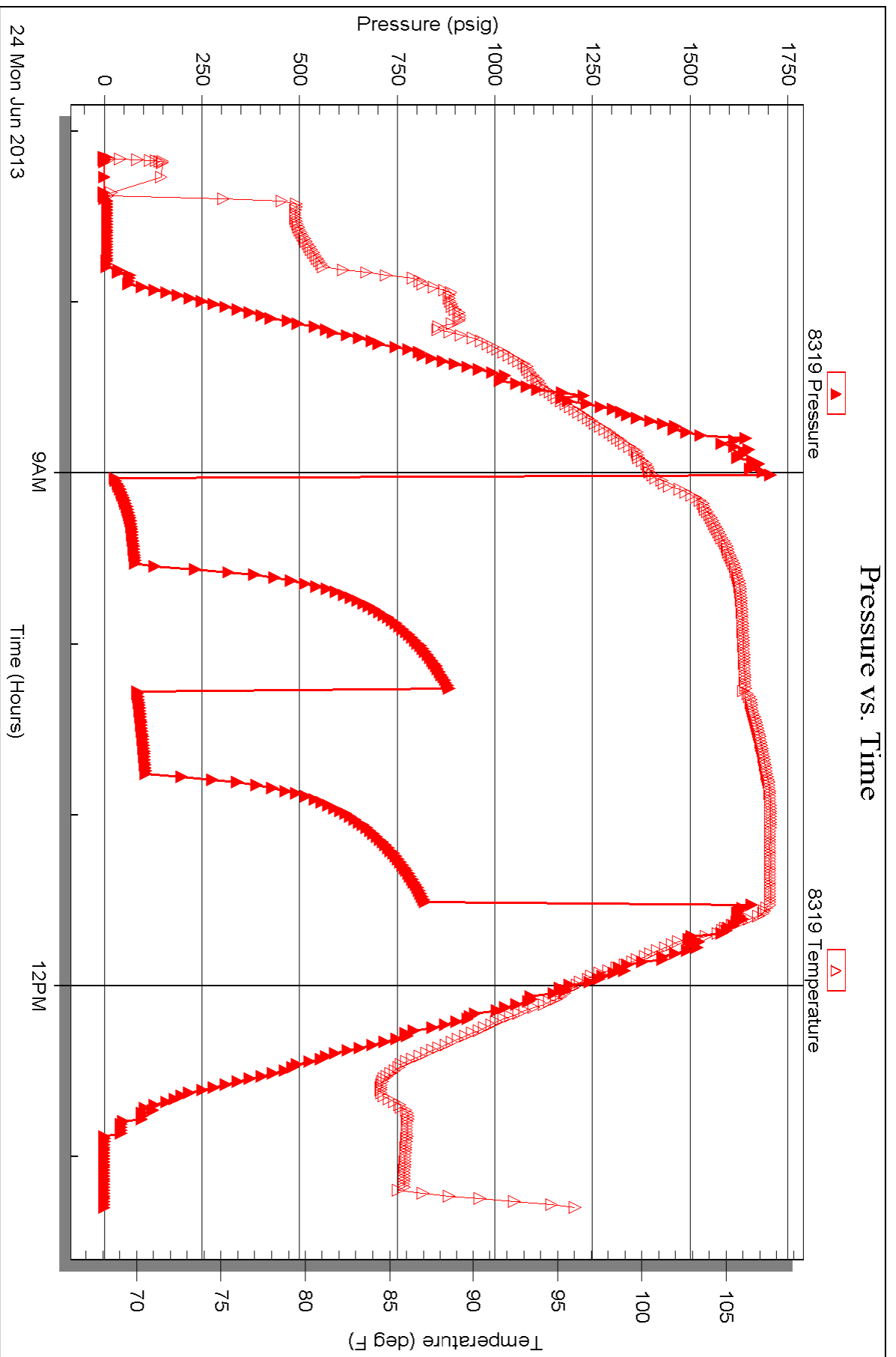
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .213 @ 90 F = 26000







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53979

Well Name & No. Miller #31-1 Test No. 1 Date 6-22-13
 Company Brinker Enterprises LLC Elevation 1946 KB 1938 GL
 Address 216 S Marshall St. Glen Elder KS 67446
 Co. Rep / Geo. Rich Bell Rig WW Rig # 12
 Location: Sec. 31 Twp. 7S Rge. 31W Co. Rooks State KS

Interval Tested 3180 - 3241 Zone Tested Lansing C-F
 Anchor Length 61 Drill Pipe Run 307H Mud Wt. 8.8
 Top Packer Depth 3176 Drill Collars Run 120 Vis 4c
 Bottom Packer Depth 3180 Wt. Pipe Run 0 WL ~~1210~~ 7.6
 Total Depth 3241 Chlorides 1700 ppm System LCM 2H

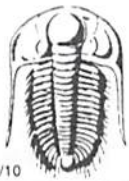
Blow Description Good Blow built to 8in
Dead ~~no~~ blow back
Fair blow ~~slow~~ built to 5in
Dead no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>130</u>	<u>WCM</u>			<u>30</u>	<u>70</u>
<u>120</u>	<u>MCW</u>			<u>80</u>	<u>20</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 150 BHT 104 Gravity — API RW 380@ 90 °F Chlorides 13500 ppm
 (A) Initial Hydrostatic 156.5 Test 1150 T-On Location 06:05
 (B) First Initial Flow 19 Jars T-Started 07:39
 (C) First Final Flow 91 Safety Joint T-Open 09:35
 (D) Initial Shut-In 918 Circ Sub 106 R/T N/C T-Pulled 12:35
 (E) Second Initial Flow 99 Hourly Standby T-Out 14:35
 (F) Second Final Flow 132 Mileage 164.30 Comments _____
 (G) Final Shut-In 907 Sampler _____
 (H) Final Hydrostatic 1526 Straddle _____
 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____

Initial Open 345
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45
 Sub Total 1314.30
 Total 1314.30
 MP/DST Disc't _____

Approved By Richard Bell Our Representative [Signature] Thanks
 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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53980

Well Name & No. Miller #31-1 Test No. 2 Date 6-23-13
 Company Brinker Enterprises LLC Elevation 1946 KB 1938 GL
 Address _____
 Co. Rep / Geo. Rich Bell Rig WW Rig #12
 Location: Sec. 31 Twp. 7S Rge. 31W Co. Rooks State KS

Interval Tested 3297 3360 Zone Tested LHC T-K
 Anchor Length 63' Drill Pipe Run 3167 Mud Wt. 9.1
 Top Packer Depth 3293 Drill Collars Run 120 Vis 52
 Bottom Packer Depth 3297 Wt. Pipe Run 0 WL 7.6
 Total Depth 3360 Chlorides 1800 ppm System LCM 2#

Blow Description Weak surface blow built to 1/2 in
Dead no blow back
Dead no blow
Dead no blow back

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>5</u>	Feet of <u>50cm</u>	%gas	<u>5</u> %oil	%water	<u>95</u> %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 104 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>1650</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>03:25</u>
(B) First Initial Flow <u>17</u>	<input type="checkbox"/> Jars _____	T-Started <u>04:15</u>
(C) First Final Flow <u>25</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>06:20</u>
(D) Initial Shut-In <u>66</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>08:20</u>
(E) Second Initial Flow <u>28</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>09:58</u>
(F) Second Final Flow <u>23</u>	<input checked="" type="checkbox"/> Mileage <u>106 R/H</u> 164.30	Comments _____
(G) Final Shut-In <u>479</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1608</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

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

Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Sub Total 1314.30

Sub Total 1314.30

Approved By Richard Bell Our Representative [Signature]

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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53981

Well Name & No. Miller # 31-1 Test No. 3 Date 6-23-13
 Company Brinker Enterprises LLC Elevation 1946 KB 1938 GL
 Address _____
 Co. Rep / Geo. Rich Bell Rig WW Rig #12
 Location: Sec. 31 Twp. 7S Rge. 3W Co. Rooty State Ks

Interval Tested 3355 3466 Zone Tested Arbuckle
 Anchor Length _____ Drill Pipe Run 3230 Mud Wt. 9.2
 Top Packer Depth 3351 Drill Collars Run 120 Vis 55
 Bottom Packer Depth 3355 Wt. Pipe Run 0 WL 7.6
 Total Depth 3466 Chlorides 2000 ppm System LCM 2nd

Blow Description Wealth surface blow built to line
Dead no blow back
Dead up blow
pulled it

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>Free Oil</u>				
<u>8</u>	<u>OCM</u>		<u>40</u>		<u>60</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 105 Gravity _____ API RW _____ @ _____ °F Chlorides 175 ppm
 (A) Initial Hydrostatic 1685 Test 1150 T-On Location 17:50
 (B) First Initial Flow 16 Jars _____ T-Started 18:50
 (C) First Final Flow 23 Safety Joint _____ T-Open 20:53
 (D) Initial Shut-In 333 Circ Sub N/C T-Pulled 22:53
 (E) Second Initial Flow 37 Hourly Standby _____ T-Out 00:42
 (F) Second Final Flow 28 Mileage 106 R/T 164.30 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic 1638 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____

Initial Open 45
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In pulled it
 Sub Total 1314.30
 Total 1314.30
 MP/DST Disc't _____

Approved By Richard Bell Our Representative [Signature] Thanks

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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53982

Well Name & No. Miller #31-1 Test No. 4 Date 6-24-13
 Company Brinker Enterprises LLC Elevation 1946 KB 1938 GL
 Address _____
 Co. Rep / Geo. Rich Bell Rig WWRig #12
 Location: Sec. 31 Twp. 7S Rge. 31W Co. Rooks State KS

Interval Tested 3416 3431 Zone Tested Arbuckle
 Anchor Length _____ 15 Drill Pipe Run 3292 Mud Wt. 9.2
 Top Packer Depth _____ 3412 Drill Collars Run 120 Vis 55
 Bottom Packer Depth _____ 3416 Wt. Pipe Run 0 WL 7.6
 Total Depth _____ 3431 Chlorides 2000 ppm System LCM 2#

Blow Description Strong surface blow built to 8 in
Dead no slow back
Fair surface blow built to 5 1/2 in.
Dead no slow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>WCM</u>		<u>30</u>	<u>70</u>	
<u>120</u>	<u>MCM</u>		<u>80</u>	<u>20</u>	
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Rec Total 190 ~~190~~ BHT 106 Gravity _____ API RW 213 @ 90 ° F Chlorides 26000 ppm
 (A) Initial Hydrostatic 176 ~~176~~ Test 1150 T-On Location 06:00
 (B) First Initial Flow 24 Jars _____ T-Started 07:09
 (C) First Final Flow 79 Safety Joint _____ T-Open 09:00
 (D) Initial Shut-In 878 Circ Sub N/C T-Pulled 11:30
 (E) Second Initial Flow 85 Hourly Standby _____ T-Out 13:18
 (F) Second Final Flow 107 Mileage 106 R/H 164.30 Comments Load Tools
 (G) Final Shut-In 819 Sampler _____
 (H) Final Hydrostatic 1657 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 45
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1314.30
 Sub Total 1314.30
 MP/DST Disc't _____

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