



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1247561
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: _____



1247561

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 <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 List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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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 <i>(Explain)</i> _____
---	--

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> _____	PRODUCTION INTERVAL: _____ _____
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DRILL STEM TEST REPORT

Prepared For: **Stratakan Exploration**

204 West Mill St.
Plainville, KS. 67663

ATTN: Chris Bean

Bradley Unit #36-1

36-17s-11w Barton,KS

Start Date: 2014.10.26 @ 10:39:00

End Date: 2014.10.26 @ 17:53:00

Job Ticket #: 60286 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.31 @ 10:29:08



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Stratakan Exploration
 204 West Mill St.
 Plainville, KS. 67663
 ATTN: Chris Bean

36-17s-11w Barton,KS

Bradley Unit #36-1

Job Ticket: 60286 **DST#: 1**
 Test Start: 2014.10.26 @ 10:39:00

GENERAL INFORMATION:

Formation: **LKC A-F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:33:30
 Time Test Ended: 17:53:00
 Interval: **2972.00 ft (KB) To 3072.00 ft (KB) (TVD)**
 Total Depth: 3072.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: S2
 Reference Elevations: 1821.00 ft (KB)
 1815.00 ft (CF)
 KB to GR/CF: 6.00 ft

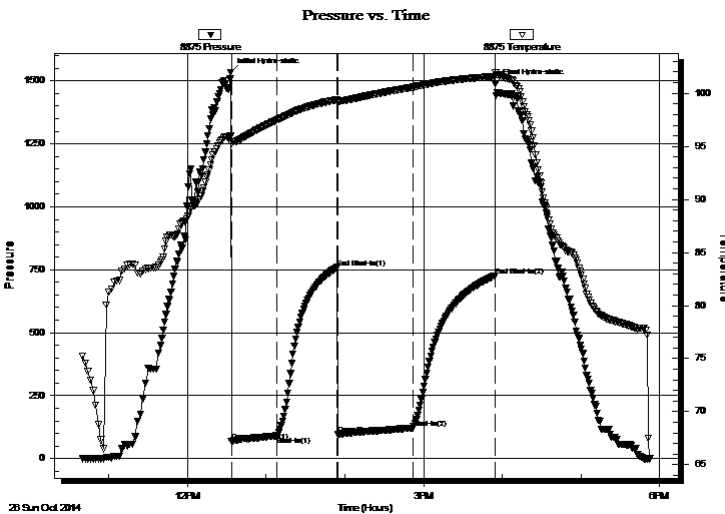
Serial #: 8875

Outside

Press@RunDepth: 121.63 psig @ 3067.70 ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.10.26 End Date: 2014.10.26 Last Calib.: 2014.10.27
 Start Time: 10:40:00 End Time: 17:53:00 Time On Btm: 2014.10.26 @ 12:33:00
 Time Off Btm: 2014.10.26 @ 15:55:00

TEST COMMENT: 1st Open 45 minutes BOB in 36 minutes.
 1st Shut in 45 minutes No blow back
 2nd Open 60 minutes BOB in 8 minutes.
 2nd Shut in 60 minutes No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1533.75	95.96	Initial Hydro-static
1	67.88	95.24	Open To Flow (1)
36	91.00	97.49	Shut-In(1)
81	759.37	99.39	End Shut-In(1)
82	96.28	99.24	Open To Flow (2)
139	121.63	100.58	Shut-In(2)
202	726.59	101.57	End Shut-In(2)
202	1488.22	101.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	VSOCM 99%Mud 1%Oil	1.75

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stratakan Exploration

36-17s-11w Barton,KS

204 West Mill St.
Plainville, KS. 67663

Bradley Unit #36-1

Job Ticket: 60286

DST#: 1

ATTN: Chris Bean

Test Start: 2014.10.26 @ 10:39:00

Tool Information

Drill Pipe:	Length: 2959.00 ft	Diameter: 3.80 inches	Volume: 41.51 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 38000.00 lb
			<u>Total Volume: 41.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	2972.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	100.70 ft			
Tool Length:	128.70 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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Shut In Tool	5.00			2949.00	
Hydraulic tool	5.00			2954.00	
Jars	6.00			2960.00	
Safety Joint	2.00			2962.00	
Top Packer	5.00			2967.00	
Packer	5.00			2972.00	28.00 Bottom Of Top Packer
Anchor	5.00			2977.00	
Change Over Sub	0.75			2977.75	
Drill Pipe	62.20			3039.95	
Change Over Sub	0.75			3040.70	
Anchor	27.00			3067.70	
Recorder	0.00	6839	Inside	3067.70	
Recorder	0.00	8875	Outside	3067.70	
Bull Plug	5.00			3072.70	100.70 Anchor Tool

Total Tool Length: 128.70



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stratakan Exploration

36-17s-11w Barton,KS

204 West Mill St.
Plainville, KS. 67663

Bradley Unit #36-1

Job Ticket: 60286

DST#: 1

ATTN: Chris Bean

Test Start: 2014.10.26 @ 10:39:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	VSOCM 99%Mud 1%Oil	1.753

Total Length: 125.00 ft Total Volume: 1.753 bbl

Num Fluid Samples: 0

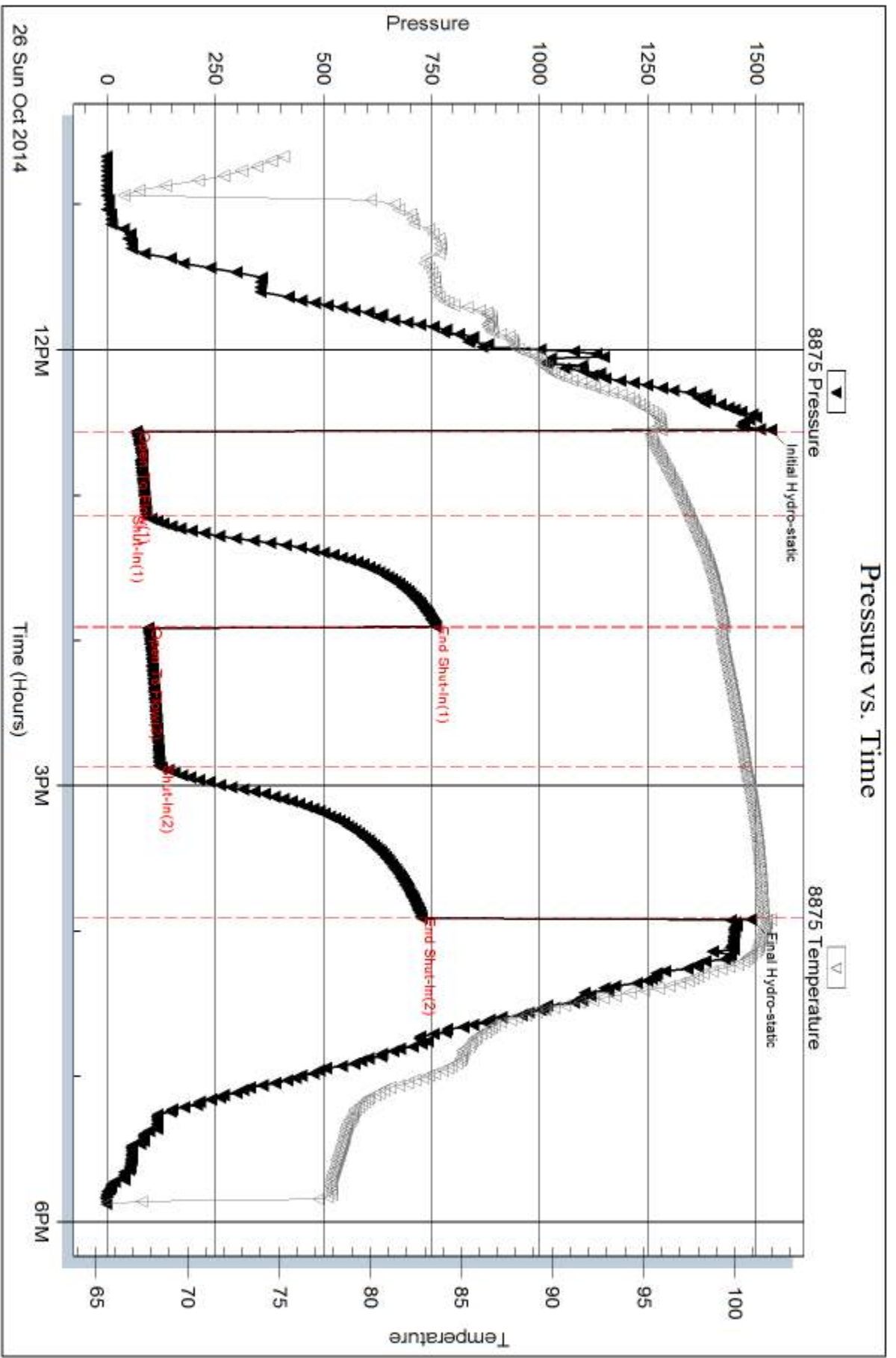
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



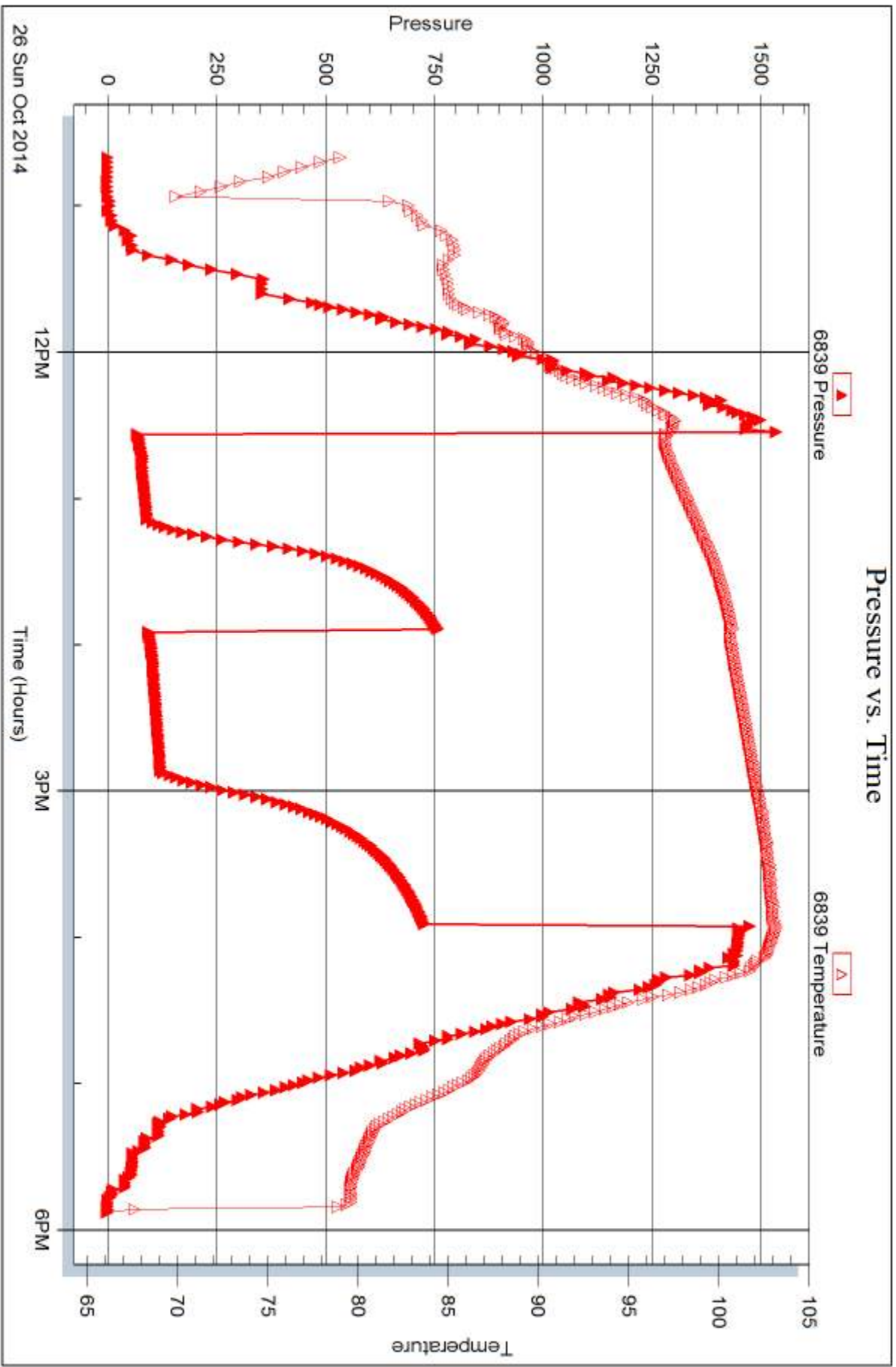
Serial #: 6839

Inside

Stratakan Exploration

Bradley Unit #36-1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Stratakan Exploration**

204 West Mill St.
Plainville, KS. 67663

ATTN: Chris Bean

Bradley Unit #36-1

36-17s-11w Barton,KS

Start Date: 2014.10.27 @ 08:44:00

End Date: 2014.10.27 @ 15:07:30

Job Ticket #: 60287 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.31 @ 10:28:39



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Stratakan Exploration
204 West Mill St.
Plainville, KS. 67663
ATTN: Chris Bean

36-17s-11w Barton,KS

Bradley Unit #36-1

Job Ticket: 60287

DST#: 2

Test Start: 2014.10.27 @ 08:44:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 10:11:00
 Tester: Dustin Ellis
 Time Test Ended: 15:07:30
 Unit No: S2
 Interval: **3244.00 ft (KB) To 3260.00 ft (KB) (TVD)**
 Reference Elevations: 1821.00 ft (KB)
 Total Depth: 3260.00 ft (KB) (TVD)
 1815.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 6.00 ft

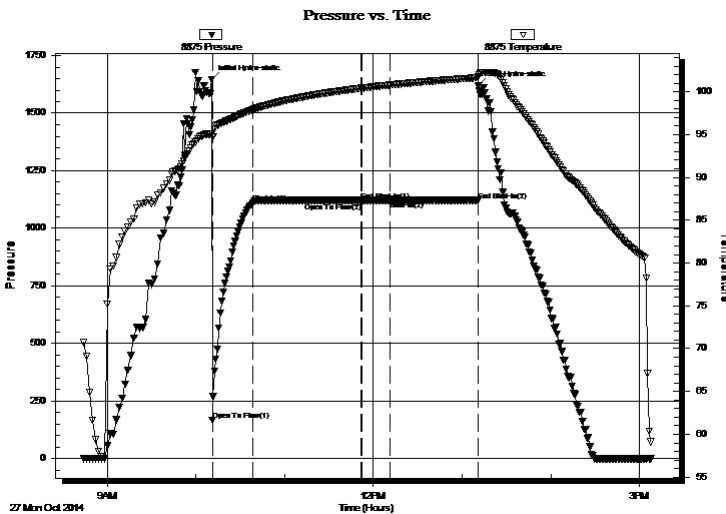
Serial #: 8875

Outside

Press@RunDepth: 1121.20 psig @ 3255.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.10.27 End Date: 2014.10.27 Last Calib.: 2014.10.28
 Start Time: 08:44:00 End Time: 15:07:30 Time On Btm: 2014.10.27 @ 10:10:30
 Time Off Btm: 2014.10.27 @ 13:11:00

TEST COMMENT: 1st Open 30 minutes BOB in 1.5 minutes.
 1st Shut in 60 minutes No blow back
 2nd Open 30 minutes BOB in 3 minutes.
 2nd Shut in 60 minutes No blow back.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1645.35	95.05	Initial Hydro-static
1	167.61	94.73	Open To Flow (1)
28	1108.71	97.92	Shut-In(1)
101	1121.22	100.41	End Shut-In(1)
102	1112.98	100.42	Open To Flow (2)
121	1121.20	100.79	Shut-In(2)
181	1121.24	101.64	End Shut-In(2)
181	1620.19	101.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2500.00	Muddy water 5% mud 95% w ater	35.07

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Stratakan Exploration
 204 West Mill St.
 Plainville, KS. 67663
 ATTN: Chris Bean

36-17s-11w Barton,KS

Bradley Unit #36-1

Job Ticket: 60287

DST#: 2

Test Start: 2014.10.27 @ 08:44:00

GENERAL INFORMATION:

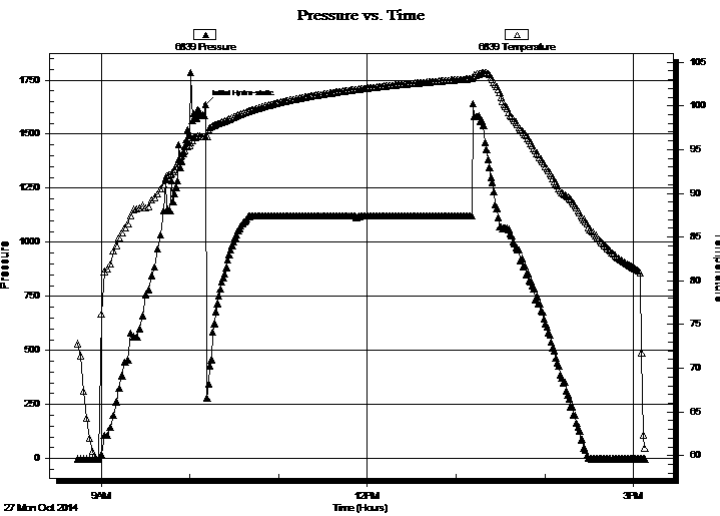
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:11:00
 Time Test Ended: 15:07:30
 Interval: **3244.00 ft (KB) To 3260.00 ft (KB) (TVD)**
 Total Depth: 3260.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: S2
 Reference Elevations: 1821.00 ft (KB)
 1815.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 6839

Inside

Press@RunDepth: psig @ 3255.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.10.27 End Date: 2014.10.27 Last Calib.: 2014.10.28
 Start Time: 08:44:00 End Time: 15:07:30 Time On Btm: 2014.10.27 @ 10:10:30
 Time Off Btm:

TEST COMMENT: 1st Open 30 minutes BOB in 1.5 minutes.
 1st Shut in 60 minutes No blow back
 2nd Open 30 minutes BOB in 3 minutes.
 2nd Shut in 60 minutes No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1637.58	96.47	Initial Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2500.00	Muddy water 5% mud 95% w ater	35.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stratakan Exploration

36-17s-11w Barton,KS

204 West Mill St.
Plainville, KS. 67663

Bradley Unit #36-1

Job Ticket: 60287

DST#: 2

ATTN: Chris Bean

Test Start: 2014.10.27 @ 08:44:00

Tool Information

Drill Pipe:	Length: 3233.00 ft	Diameter: 3.80 inches	Volume: 45.35 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 45.35 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3244.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3221.00	
Hydraulic tool	5.00			3226.00	
Jars	6.00			3232.00	
Safety Joint	2.00			3234.00	
Top Packer	5.00			3239.00	
Packer	5.00			3244.00	28.00 Bottom Of Top Packer
Perforations	11.00			3255.00	
Recorder	0.00	6839	Inside	3255.00	
Recorder	0.00	8875	Outside	3255.00	
Bull Plug	5.00			3260.00	16.00 Anchor Tool
Total Tool Length:	44.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stratakan Exploration

36-17s-11w Barton,KS

204 West Mill St.
Plainville, KS. 67663

Bradley Unit #36-1

Job Ticket: 60287

DST#: 2

ATTN: Chris Bean

Test Start: 2014.10.27 @ 08:44:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2500.00	Muddy w ater 5%mud 95%w ater	35.068

Total Length: 2500.00 ft Total Volume: 35.068 bbl

Num Fluid Samples: 0

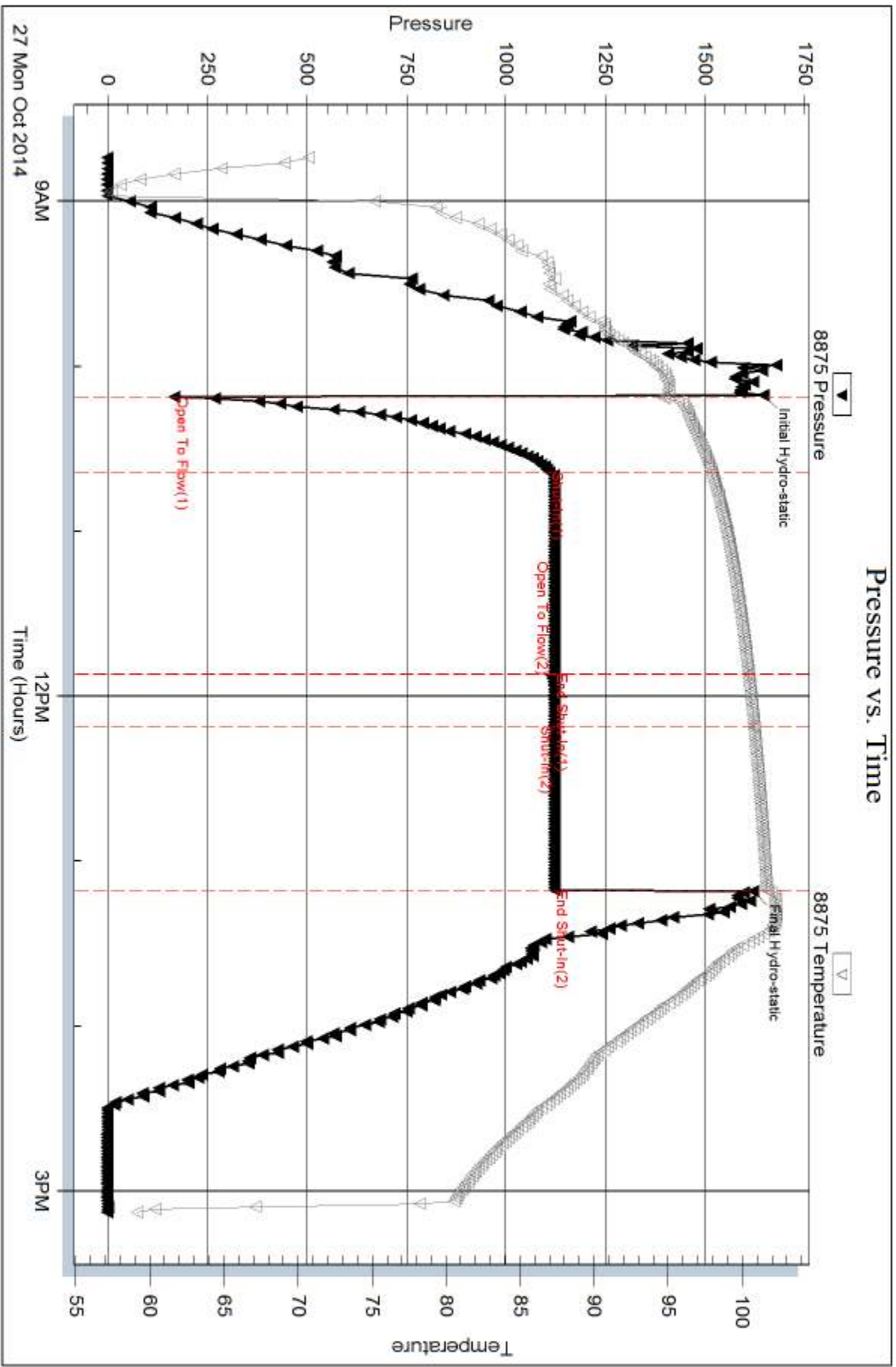
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



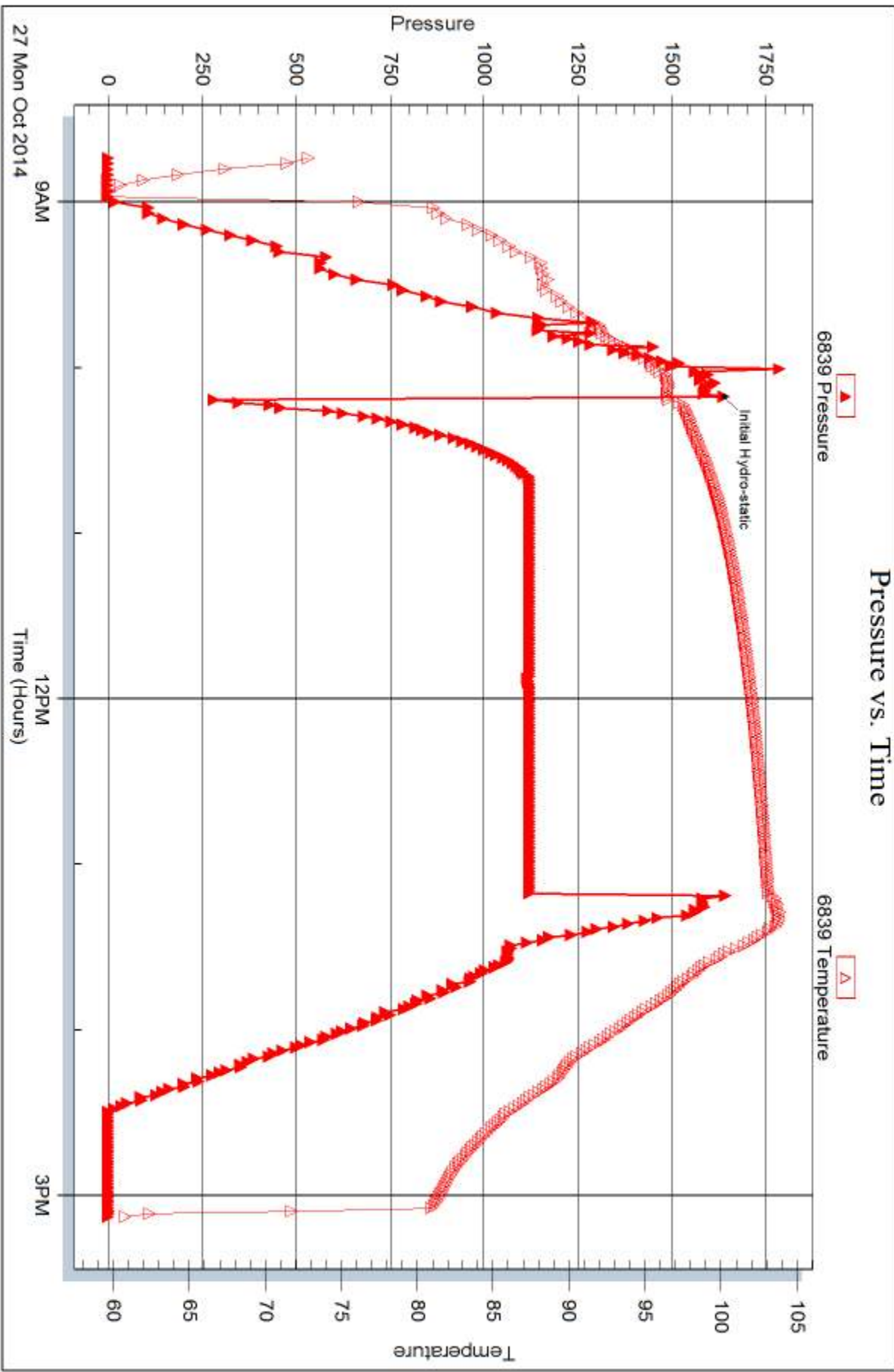
Serial #: 6839

Inside

Stratakan Exploration

Bradley Unit #36-1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 60287

Printed: 2014, 10:31 @ 10:28:40



DRILL STEM TEST REPORT

Prepared For: **Stratakan Exploration**

204 West Mill St.
Plainville, KS. 67663

ATTN: Chris Bean

Bradley Unit #36-1

36-17s-11w Barton,KS

Start Date: 2014.10.28 @ 22:10:00

End Date: 2014.10.29 @ 05:00:30

Job Ticket #: 60288 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.31 @ 10:17:13



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Stratakan Exploration
 204 West Mill St.
 Plainville, KS. 67663
 ATTN: Chris Bean

36-17s-11w Barton,KS

Bradley Unit #36-1

Job Ticket: 60288

DST#: 3

Test Start: 2014.10.28 @ 22:10:00

GENERAL INFORMATION:

Formation: **LKC J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:03:30
 Time Test Ended: 05:00:30
 Interval: **3155.00 ft (KB) To 3185.00 ft (KB) (TVD)**
 Total Depth: 3276.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Straddle (Initial)
 Tester: Dustin Ellis
 Unit No: S2
 Reference Elevations: 1821.00 ft (KB)
 1815.00 ft (CF)
 KB to GR/CF: 6.00 ft

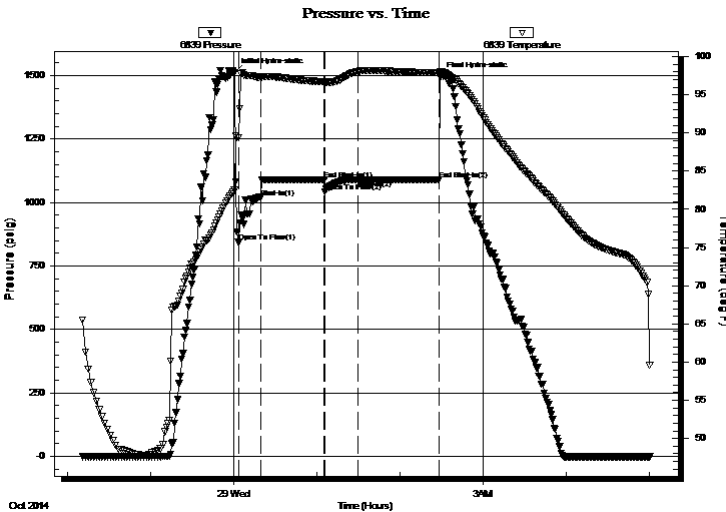
Serial #: 6839

Inside

Press@RunDepth: 1088.88 psig @ 3184.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.10.28 End Date: 2014.10.29 Last Calib.: 2014.10.29
 Start Time: 22:11:00 End Time: 05:00:30 Time On Btm: 2014.10.29 @ 00:00:30
 Time Off Btm: 2014.10.29 @ 02:29:00

TEST COMMENT: 1st Open 20 minutes BOB in 45 seconds.
 1st Shut in 45 minutes No blow back
 2nd Open 20 minutes BOB in 1 minute
 2nd Shut in 60 minutes No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1512.22	82.49	Initial Hydro-static
3	843.08	89.39	Open To Flow (1)
20	1018.72	97.28	Shut-In(1)
65	1088.98	96.69	End Shut-In(1)
66	1042.69	96.67	Open To Flow (2)
90	1088.88	98.07	Shut-In(2)
148	1088.71	97.87	End Shut-In(2)
149	1496.46	97.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1008.00	Mud 100%	14.14
1372.00	Water 100%	19.25

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Stratakan Exploration
 204 West Mill St.
 Plainville, KS. 67663
 ATTN: Chris Bean

36-17s-11w Barton,KS

Bradley Unit #36-1

Job Ticket: 60288

DST#: 3

Test Start: 2014.10.28 @ 22:10:00

GENERAL INFORMATION:

Formation: **LKC J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:03:30

Time Test Ended: 05:00:30

Test Type: Conventional Straddle (Initial)

Tester: Dustin Ellis

Unit No: S2

Interval: 3155.00 ft (KB) To 3185.00 ft (KB) (TVD)

Reference Elevations: 1821.00 ft (KB)

Total Depth: 3276.00 ft (KB) (TVD)

1815.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8875 Below (Straddle)

Press@RunDepth: psig @ 3281.74 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.10.28

End Date:

2014.10.29

Last Calib.:

2014.10.29

Start Time: 22:11:00

End Time:

05:00:30

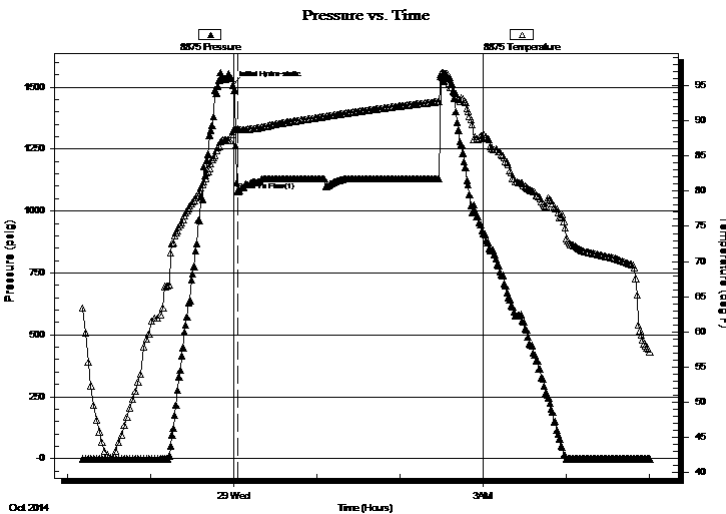
Time On Btm:

2014.10.28 @ 23:59:30

Time Off Btm:

TEST COMMENT: 1st Open 20 minutes BOB in 45 seconds.
 1st Shut in 45 minutes No blow back
 2nd Open 20 minutes BOB in 1 minute
 2nd Shut in 60 minutes No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1508.26	88.53	Initial Hydro-static
4	1082.00	88.76	Open To Flow (1)

Recovery

Length (ft)	Description	Volume (bbl)
1008.00	Mud 100%	14.14
1372.00	Water 100%	19.25

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stratakan Exploration

36-17s-11w Barton,KS

204 West Mill St.
Plainville, KS. 67663

Bradley Unit #36-1

Job Ticket: 60288

DST#: 3

ATTN: Chris Bean

Test Start: 2014.10.28 @ 22:10:00

Tool Information

Drill Pipe:	Length: 3144.00 ft	Diameter: 3.80 inches	Volume: 44.10 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 44.10 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3155.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	3286.74 ft			
Interval between Packers:	131.74 ft			
Tool Length:	154.74 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3137.00	
Hydraulic tool	5.00			3142.00	
Jars	6.00			3148.00	
Safety Joint	2.00			3150.00	
Packer	5.00			3155.00	23.00 Bottom Of Top Packer
Anchor	28.00			3183.00	
Recorder	1.00	6839	Inside	3184.00	
Blank Off Sub	1.00			3185.00	
change Over Sub	0.75			3185.75	
packer	5.00			3190.75	
Anchor	27.00			3217.75	
Drill Pipe	62.24		Inside	3279.99	
change Over Sub	0.75			3280.74	
Recorder	1.00	8875	Below	3281.74	
Bull Plug	5.00			3286.74	131.74 Anchor Tool

Total Tool Length: 154.74



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stratakan Exploration

36-17s-11w Barton,KS

204 West Mill St.
Plainville, KS. 67663

Bradley Unit #36-1

Job Ticket: 60288

DST#: 3

ATTN: Chris Bean

Test Start: 2014.10.28 @ 22:10:00

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:

ppm

Viscosity: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1008.00	Mud 100%	14.140
1372.00	Water 100%	19.246

Total Length: 2380.00 ft Total Volume: 33.386 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

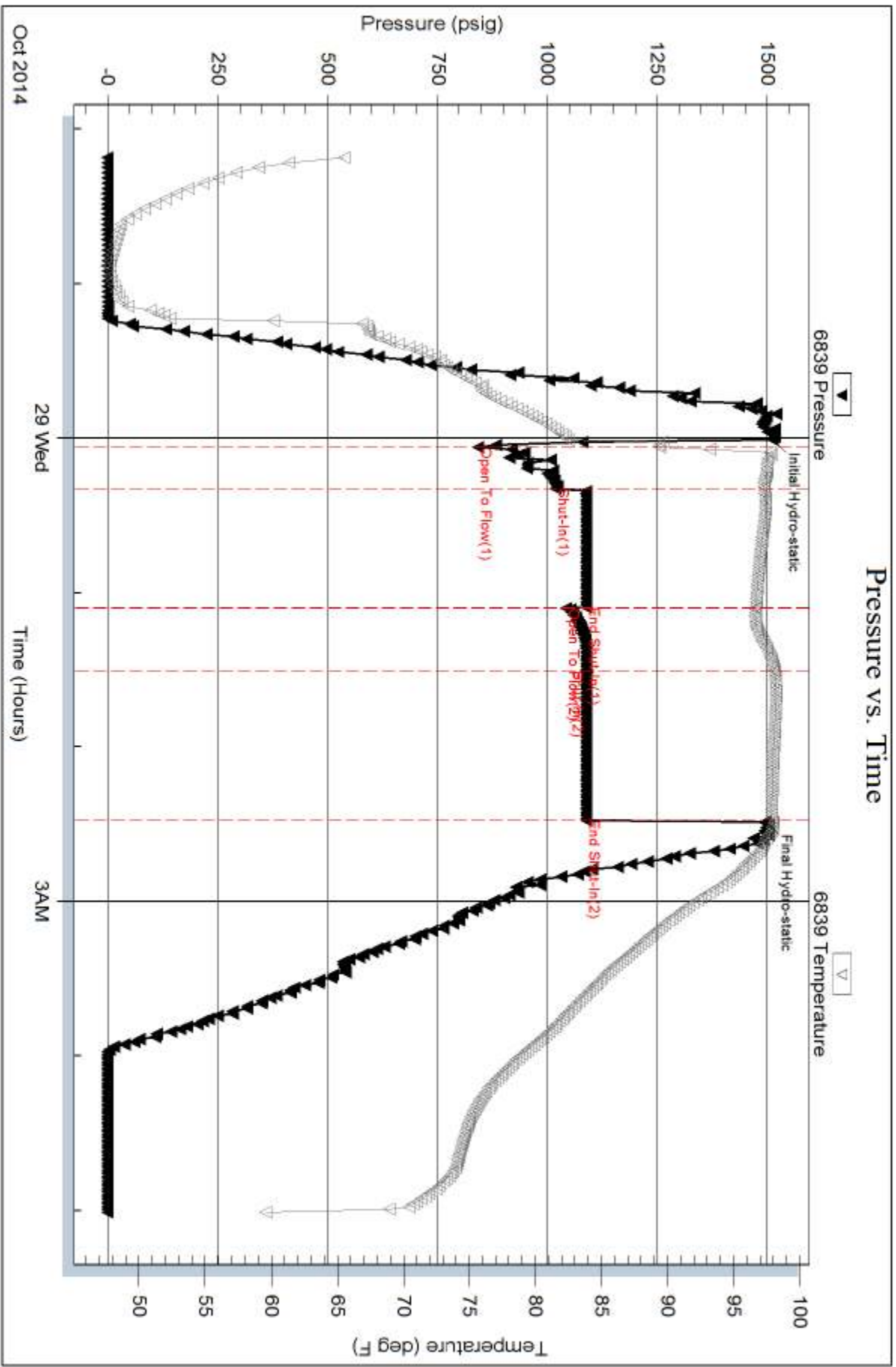
Serial #: 6839

Inside

Stratakan Exploration

Bradley Unit #36-1

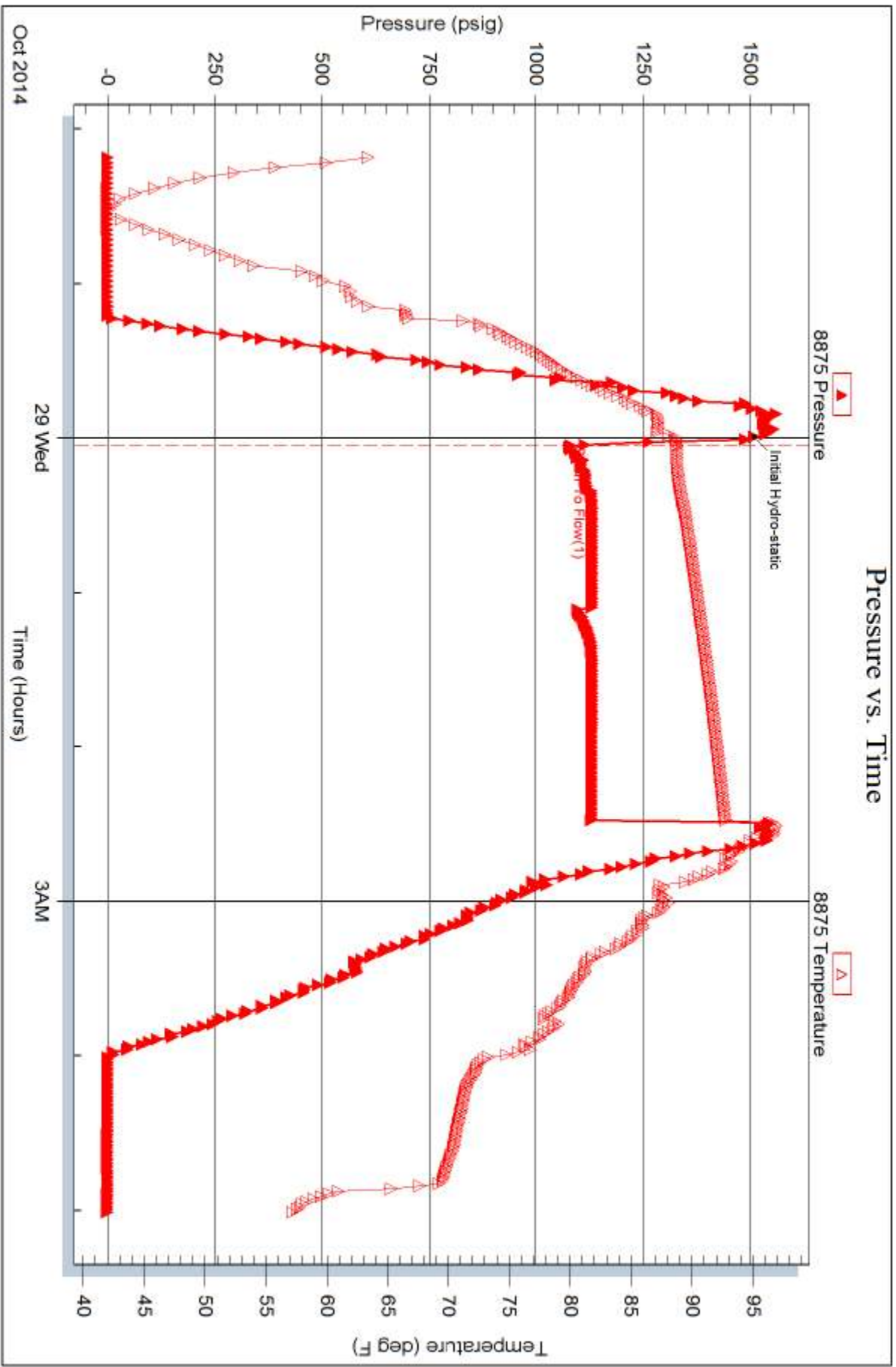
DST Test Number: 3



Triobite Testing, Inc

Ref. No: 60288

Printed: 2014, 10:31 @ 10:17:14





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60286

4/10

Well Name & No. Bradley Unit 36-1 Test No. 1 Date 10-26-14
 Company Stratcan Exploration Elevation 1815 KB 1821 GL
 Address 204 West Mill St. Plainville KS 67663
 Co. Rep / Geo. Chris Bean Rig White Knight Rig #1
 Location: Sec. 36 Twp. 17s Rge. 11w Co. Barton State KS

Interval Tested 2972-3072 Zone Tested Kansing A-F
 Anchor Length 100 Drill Pipe Run 2959 Mud Wt. 9.1
 Top Packer Depth 2965 Drill Collars Run 0 Vis 46
 Bottom Packer Depth 2972 Wt. Pipe Run 20000 WL 8
 Total Depth 3072 Chlorides 4000 ppm System LCM 1

Blow Description 1st open - BOB in 36 minutes.
1st shut-in - No blow back.
2nd open - BOB in 8 minutes.
2nd shut-in - No blow back.

Rec	Feet of	%gas	%oil	%water	%mud
<u>125</u>	<u>oil cut mud</u>	<u>1</u>		<u>99</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total _____ BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1533 Test 1150 T-On Location 9:30pm
 (B) First Initial Flow 67 Jars 250 T-Started 10:39pm
 (C) First Final Flow 91 Safety Joint 75 T-Open 12:22am
 (D) Initial Shut-In 125-9 Circ Sub _____ T-Pulled 3:52am
 (E) Second Initial Flow 96 Hourly Standby _____ T-Out _____
 (F) Second Final Flow 121 Mileage 50 77.50 Comments _____
 (G) Final Shut-In 1726 Sampler _____
 (H) Final Hydrostatic 14180 Straddle _____ Ruined Shale Packer _____

Initial Open 45 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 45 Extra Packer _____ Extra Copies _____
 Final Flow 60 Extra Recorder _____ Sub Total 0
 Final Shut-In 60 Day Standby _____ Total 1552.50
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1552.50

Approved By _____ Our Representative Dustin Ellis

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. 60287

Well Name & No. Bradley Unit 36-1 Test No. 2 Date 10-27-14
 Company Stratakan Exploration Elevation 1815 KB 1821 GL
 Address 204 West Mill St. Plainville KS 67663
 Co. Rep / Geo. Chris Bean Rig White Knight
 Location: Sec. 36 Twp. 17S Rge. 11W Co. Barton State KS

Interval Tested 3244-3260 Zone Tested Arbuckle
 Anchor Length 16 Drill Pipe Run 3223 Mud Wt. 9.1
 Top Packer Depth 3239 Drill Collars Run 0 Vis 44
 Bottom Packer Depth 3244 Wt. Pipe Run 20000 WL 10.8
 Total Depth 3260 Chlorides 6000 ppm System LCM 1

Blow Description 1st open - BOB in 1.5 minutes.
1st shut in - No blow back.
2nd open - BOB in 3 min.
2nd shut in - No blow back.

Rec	Feet of	%gas	%oil	%water	%mud
<u>2500</u>	<u>Muddy water</u>		<u>95</u>	<u>5</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2500 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic _____ Test 1150 T-On Location 8:15 pm
 (B) First Initial Flow _____ Jars 250 T-Started 8:43 pm
 (C) First Final Flow _____ Safety Joint 75 T-Open 10:10 pm
 (D) Initial Shut-In _____ Circ Sub _____ T-Pulled 1:10 pm
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out _____
 (F) Second Final Flow _____ Mileage 50 77.50 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic _____ Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 60 Day Standby _____ Total 1552.50
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1552.50

Approved By _____ Our Representative Dustin Ellis

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60288

Well Name & No. Bradley Unit 36-1 Test No. 3 Date 10-28-14
 Company Statakan Exploration Elevation 1815 KB 1821 GL
 Address 204 West Mill St. Plainville KS 67663
 Co. Rep / Geo. Chlis Bean Rig White Knight Rig 1
 Location: Sec. 36 Twp. 17s Rge. 11w Co. Barton State KS

Interval Tested 3155 - 3185 Zone Tested Lansing J
 Anchor Length 30 Drill Pipe Run 3144 Mud Wt. 9
 Top Packer Depth 3155 Drill Collars Run 0 Vis 66
 Bottom Packer Depth 3185 Wt. Pipe Run 2000 WL 8
 Total Depth 3276 Chlorides 4000 ppm System LCM 1

Blow Description 1st open - BOB in 45 seconds.
1st shut in - No blow back.
2nd open - BOB in 1 minute.
2nd shut in - No blow back.

Rec	Feet of	%gas	%oil	%water	%mud
<u>1008</u>	<u>mud</u>				<u>100</u>
<u>1372</u>	<u>water</u>			<u>100</u>	

Rec Total 2380 BHT _____ Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 1512 Test 950 T-On Location 9:45pm
 (B) First Initial Flow 843 Jars 250 T-Started 10:10pm
 (C) First Final Flow 1018 Safety Joint 75 T-Open 11:59pm
 (D) Initial Shut-In 1088 Circ Sub _____ T-Pulled 2:24am
 (E) Second Initial Flow 1042 Hourly Standby _____ T-Out _____
 (F) Second Final Flow 1088 Mileage 50 77.50 Comments _____
 (G) Final Shut-In 1098 Sampler _____ Ruined Shale Packer _____
 (H) Final Hydrostatic 1496 Straddle 600 Ruined Packer _____
 Shale Packer _____ Extra Copies _____
 Extra Packer _____ Extra Recorder 200 Sub Total 0
 Day Standby _____ Total 2152.50
 Accessibility _____ MP/DST Disc't _____
 Sub Total 2152.50

Approved By _____ Our Representative Dustin Ellis
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GLOBAL CEMENTING, L.L.C.

1498

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT: Russell KS

DATE <u>10-24-14</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Bradley unit</u>	WELL #. <u>36-1</u>	LOCATION			COUNTY	STATE	
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR White Knight + Drilling Rig!

TYPE OF JOB Surface

HOLE SIZE 12 3/4 T.D. 3454

CASING SIZE 8 3/8 DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS

DISPLACEMENT

OWNER

CEMENT AMOUNT ORDERED 225 com 39cc 2% gel

EQUIPMENT

PUMP TRUCK CEMENTER Cody

P1 HELPER Brad

BULK TRUCK DRIVER Mark

DRIVER

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

REMARKS:

Ran 8 joints of 8 3/8 casing + landing joint EST

Evacuation hooked up pumped 225 sacks cemented

Cement Displaced 205 bbls of #20 slurry at

200psi

TOTAL

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE 24 x 2 @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

CHARGE TO: Sycara Kan Exploration

STREET

CITY STATE ZIP

Global Cementing, L.L.C.,
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 [Signature]

SALES TAX (If Any)

