



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1199123
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 |
|-----------------------------------|-----------------|---|

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: _____

1199123

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ | PRODUCTION INTERVAL: _____ _____ |
|--|---|---|

| | |
|-----------|------------------------------|
| Form | ACO1 - Well Completion |
| Operator | American Land And Energy LLC |
| Well Name | Braun Unit 1 |
| Doc ID | 1199123 |

All Electric Logs Run

| |
|-----------------------------|
| |
| Cement Bond |
| Compensated Density Neutron |
| Micro Resistivity |
| Dual Induction |
| Radiation Guard |

GLOBAL CEMENTING, L.L.C.

1277

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT: Russell, KS

| | | | | | | | |
|--------------------------------|------------------|----------------|-----------------|------------|---------------------|-------------------------|--------------------------|
| DATE <u>3-26-14</u> | SEC. <u>8</u> | TWP. <u>15</u> | RANGE <u>76</u> | CALLED OUT | ON LOCATION | JOB START <u>8:00am</u> | JOB FINISH <u>4:00am</u> |
| LEASE <u>Braun</u> | WELL #. <u>1</u> | LOCATION | | | COUNTY <u>Ellis</u> | STATE <u>KS</u> | |
| OLD OR <u>NEW</u> (CIRCLE ONE) | | | | | | | |

CONTRACTOR Royal Drilling

TYPE OF JOB Long Surface

HOLE SIZE 12 1/4 T.D. 1054

CASING SIZE 8 5/8 DEPTH 1053.02

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 100psi MINIMUM 100psi

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS

DISPLACEMENT 63 bbl

EQUIPMENT

PUMP TRUCK CEMENTER Heath

P1 HELPER Cody

BULK TRUCK

B2 DRIVER walter

BULK TRUCK

DRIVER

OWNER

CEMENT AMOUNT ORDERED 425 sv cement 2% cc

royal

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

TOTAL _____

REMARKS:

Run 25 hrs of 8 5/8 casing and landing 14 est circulation with mud pump

Hook up and mix 425 cc - shut down and released plug - dis 63 bbl of H2O - cement had circulate to surface.

CHARGE TO: American Land and energy

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. Thank you,

PRINTED NAME _____

SIGNATURE Dave Juts

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

MANIFOLD _____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

2-8 5/8 cent @ _____

1-8 5/8 basket @ _____

1-bottle plate @ _____

1-Rubber Plug @ _____

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

GLOBAL CEMENTING, L.L.C.

1284

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT: Russell, KS

| DATE | SEC. | TWP. | RANGE | CALLED OUT | ON LOCATION | JOB START | JOB FINISH |
|--------------------------------|------|-----------------|----------|------------|-------------|-----------|------------|
| 4-1-14 | | | | | | 12:45pm | 1:45pm |
| LEASE <u>Brown</u> | | WELL # <u>1</u> | LOCATION | | | COUNTY | STATE |
| OLD OR <u>NEW</u> (CIRCLE ONE) | | | | | | | |

| | |
|---------------------|-----------------------|
| CONTRACTOR | |
| TYPE OF JOB | <u>Long String</u> |
| HOLE SIZE | <u>7 1/8</u> |
| CASING SIZE | <u>5 1/2</u> |
| TUBING SIZE | |
| DRILL PIPE | |
| TOOL | |
| PRES. MAX | <u>1500PSI</u> |
| MEAS. LINE | |
| CEMENT LEFT IN CSG. | <u>2050</u> |
| PERFS | |
| DISPLACEMENT | <u>86 1/2 bbl</u> |
| EQUIPMENT | |
| PUMP TRUCK | CEMENTER <u>Heath</u> |
| # <u>A1</u> | HELPER <u>Cody</u> |
| BULK TRUCK | |
| # <u>B3</u> | DRIVER <u>Fric</u> |
| BULK TRUCK | |
| # | DRIVER |

| | |
|----------------|--|
| OWNER | |
| CEMENT | |
| AMOUNT ORDERED | <u>22052 cement 10% 50 ft</u> <u>290 gal 2% plaster</u> |
| COMMON | @ |
| POZMIX | @ |
| GEL | @ |
| CHLORIDE | @ |
| ASC | @ |
| HANDLING | @ |
| MILEAGE | @ |
| TOTAL | |

REMARKS:
Run 115 of 5 1/2 casing and landing
It - Calculated the mud pumped 500 gal
mud flush - hooked up and mixed 170 gal
down 5 1/2 casing - released plug and dispo
86 1/2 bbl @ 1500 PSI - running pressure @ 600PSI
plug landed @ 1500PSI released and float held
plug at 111 with 50 gal
plugged MW with 10 gal

CHARGE TO: American Land & Energy
 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. Thank You!

PRINTED NAME Doug Budge
 SIGNATURE Doug Budge

| | |
|-------------------|---|
| SERVICE | |
| DEPTH OF JOB | |
| PUMP TRUCK CHARGE | |
| EXTRA FOOTAGE | @ |
| MILEAGE | @ |
| MANIFOLD | @ |
| TOTAL | |

| | |
|------------------------------|---|
| PLUG & FLOAT EQUIPMENT | |
| <u>1-5 1/2 AFLA shoe</u> | @ |
| <u>4-5 1/2 cent</u> | @ |
| <u>1-5 1/2 basket</u> | @ |
| <u>1-5 1/2 LD & Plug</u> | @ |
| <u>500 gal mud flush</u> | @ |
| TOTAL | |

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



DRILL STEM TEST REPORT

Prepared For: **American Land and Energy LLC**

7277 Tenby Way
Castle Rock CO 80104

ATTN: Rod Anderson

Braun Unit #1

8-15s-16w Ellis,KS

Start Date: 2014.03.29 @ 14:30:00

End Date: 2014.03.29 @ 22:44:15

Job Ticket #: 54107 DST #: 1

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

Printed: 2014.04.03 @ 09:58:33



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Land and Energy LLC

8-15s-16w Ellis,KS

7277 Tenby Way
Castle Rock CO 80104

Braun Unit #1

ATTN: Rod Anderson

Job Ticket: 54107

DST#: 1

Test Start: 2014.03.29 @ 14:30:00

GENERAL INFORMATION:

Formation: **KC"A-B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:19:45

Time Test Ended: 22:44:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: 3178.00 ft (KB) To 3233.00 ft (KB) (TVD)

Reference Elevations: 1916.00 ft (KB)

Total Depth: 3233.00 ft (KB) (TVD)

1910.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8934

Inside

Press@RunDepth: 210.34 psig @ 3181.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.29

End Date:

2014.03.29

Last Calib.:

2014.03.29

Start Time: 14:30:05

End Time:

22:44:14

Time On Btm:

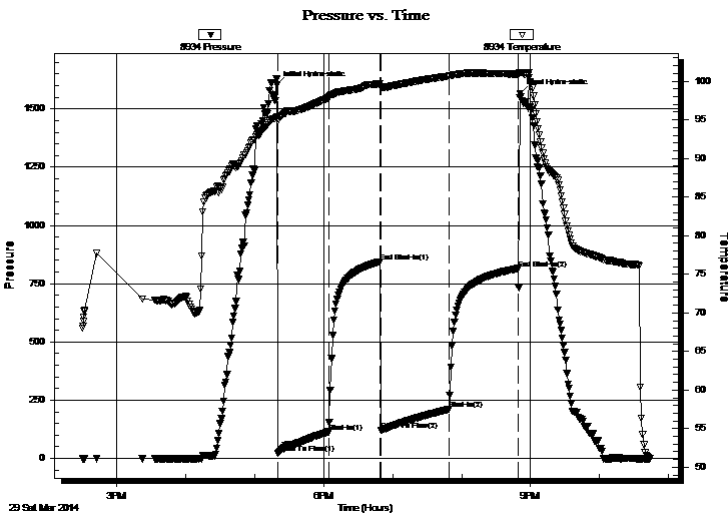
2014.03.29 @ 17:19:15

Time Off Btm:

2014.03.29 @ 20:51:00

TEST COMMENT: IF-BOB in 10 min
IS-2 1/4" blow
FF-BOB in 14 min
FS- 2" blow

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1601.81 | 95.31 | Initial Hydro-static |
| 1 | 23.05 | 94.80 | Open To Flow (1) |
| 45 | 113.89 | 97.84 | Shut-In(1) |
| 90 | 843.60 | 99.64 | End Shut-In(1) |
| 91 | 119.83 | 99.31 | Open To Flow (2) |
| 150 | 210.34 | 100.63 | Shut-In(2) |
| 211 | 815.15 | 100.90 | End Shut-In(2) |
| 212 | 1565.24 | 101.09 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------------|--------------|
| 315.00 | Oil spotted MCW 90%W 10%M | 4.42 |
| 65.00 | VSOMCW 2%O 78%W 20%M | 0.91 |
| 30.00 | GO 15%G 85%O | 0.42 |
| 0.00 | 210ft GIP | 0.00 |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Land and Energy LLC

8-15s-16w Ellis,KS

7277 Tenby Way
Castle Rock CO 80104

Braun Unit #1

Job Ticket: 54107

DST#: 1

ATTN: Rod Anderson

Test Start: 2014.03.29 @ 14:30:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3164.00 ft | Diameter: 3.80 inches | Volume: 44.38 bbl | Tool Weight: 2500.00 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: 63000.00 lb |
| | | | <u>Total Volume: 44.38 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 15.00 ft | | | String Weight: Initial 59000.00 lb |
| Depth to Top Packer: | 3178.00 ft | | | Final 59000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 55.00 ft | | | |
| Tool Length: | 84.00 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 | | | 3154.00 | |
| Sampler | 2.00 | | | 3156.00 | |
| Hydraulic tool | 5.00 | | | 3161.00 | |
| Jars | 5.00 | | | 3166.00 | |
| Safety Joint | 2.00 | | | 3168.00 | |
| Packer | 5.00 | | | 3173.00 | 29.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3178.00 | |
| Stubb | 1.00 | | | 3179.00 | |
| Perforations | 2.00 | | | 3181.00 | |
| Recorder | 0.00 | 8934 | Inside | 3181.00 | |
| Recorder | 0.00 | 8736 | Outside | 3181.00 | |
| Change Over Sub | 1.00 | | | 3182.00 | |
| Blank Spacing | 32.00 | | | 3214.00 | |
| Change Over Sub | 1.00 | | | 3215.00 | |
| Perforations | 15.00 | | | 3230.00 | |
| Bullnose | 3.00 | | | 3233.00 | 55.00 Bottom Packers & Anchor |
| Total Tool Length: | 84.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Land and Energy LLC

8-15s-16w Ellis,KS

7277 Tenby Way
Castle Rock CO 80104

Braun Unit #1

Job Ticket: 54107

DST#: 1

ATTN: Rod Anderson

Test Start: 2014.03.29 @ 14:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

95000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|---------------------------|----------------|
| 315.00 | Oil spotted MCW 90%W 10%M | 4.419 |
| 65.00 | VSOMCW 2%O 78%W 20%M | 0.912 |
| 30.00 | GO 15%G 85%O | 0.421 |
| 0.00 | 210ft GIP | 0.000 |

Total Length: 410.00 ft Total Volume: 5.752 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

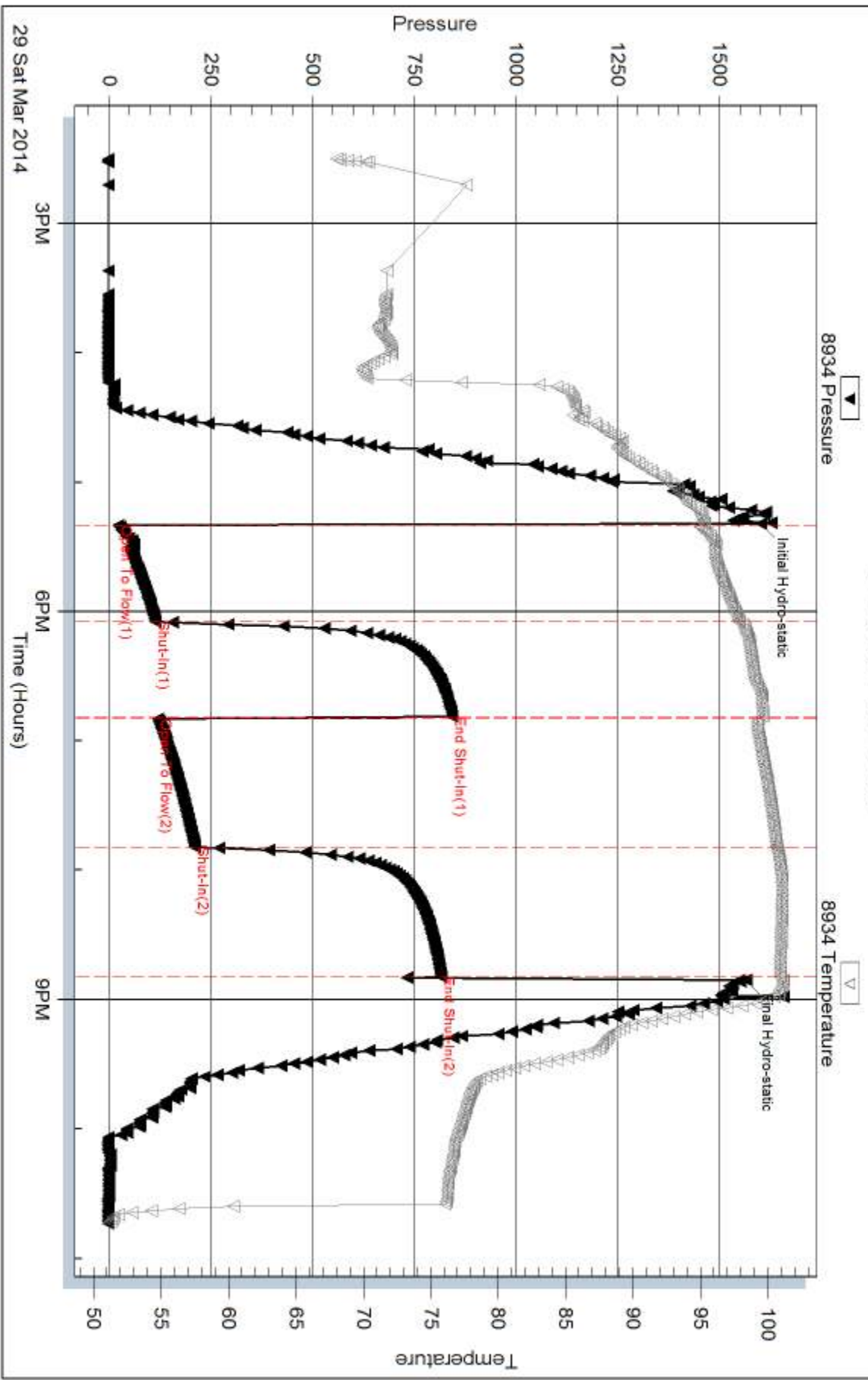
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data 450psi 100ml Oil 1900ml Water

Pressure vs. Time

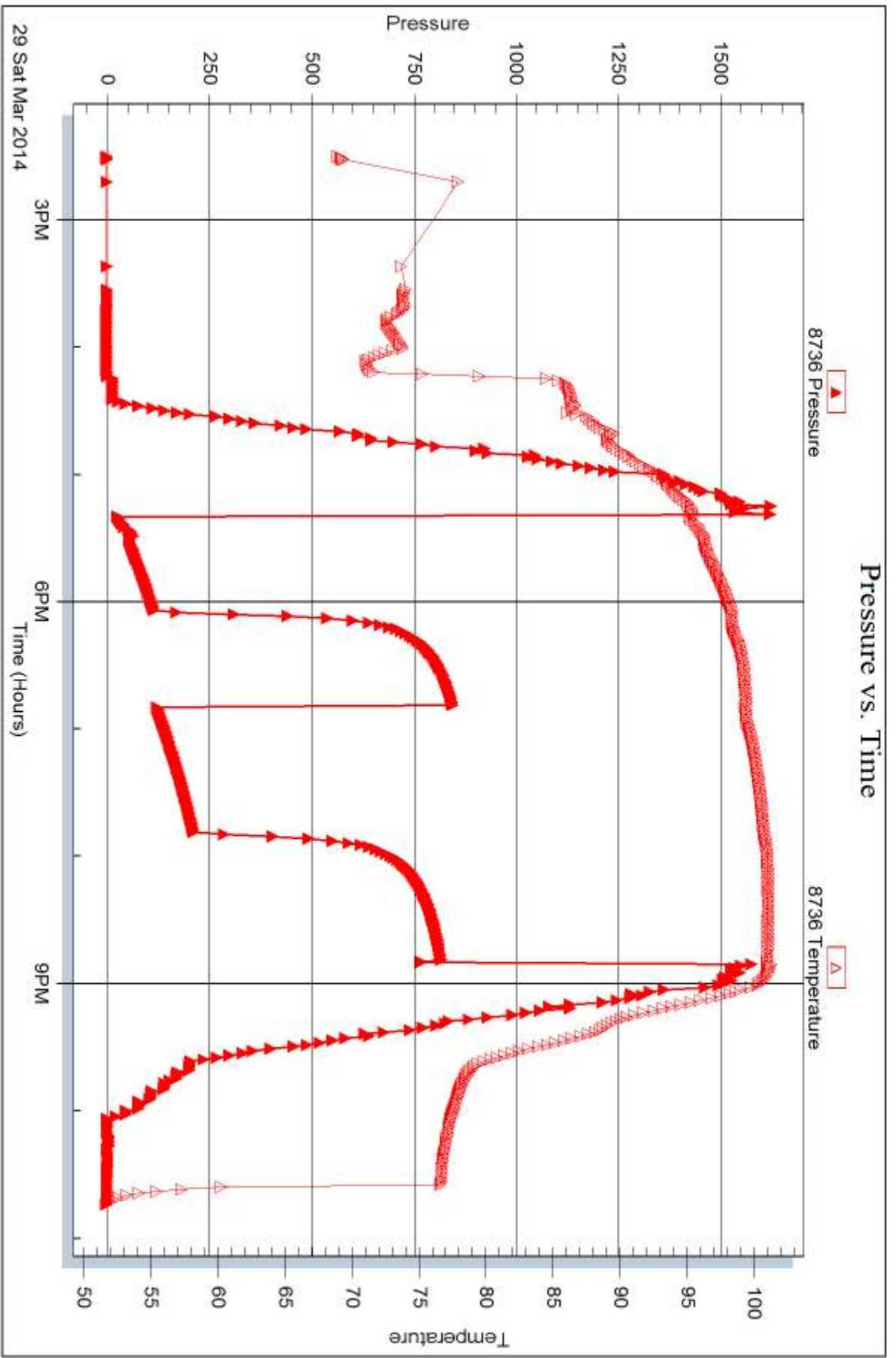


Serial #: 8736

Outside American Land and Energy LLC

Braun Unit #1

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 54107

Printed: 2014.04.03 @ 09:58:35



DRILL STEM TEST REPORT

Prepared For: **American Land and Energy LLC**

7277 Tenby Way
Castle Rock CO 80104

ATTN: Rod Anderson

Braun Unit #1

8-15s-16w Ellis,KS

Start Date: 2014.03.30 @ 04:59:00

End Date: 2014.03.30 @ 09:59:30

Job Ticket #: 54108 DST #: 2

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

Printed: 2014.04.03 @ 09:57:55



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Land and Energy LLC

8-15s-16w Ellis,KS

7277 Tenby Way
Castle Rock CO 80104

Braun Unit #1

Job Ticket: 54108

DST#: 2

ATTN: Rod Anderson

Test Start: 2014.03.30 @ 04:59:00

GENERAL INFORMATION:

Formation: **KC "C"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 07:22:45
 Tester: Brett Dickinson
 Time Test Ended: 09:59:30
 Unit No: 59
 Interval: **3234.00 ft (KB) To 3260.00 ft (KB) (TVD)**
 Reference Elevations: 1916.00 ft (KB)
 Total Depth: 3260.00 ft (KB) (TVD)
 1910.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 6.00 ft

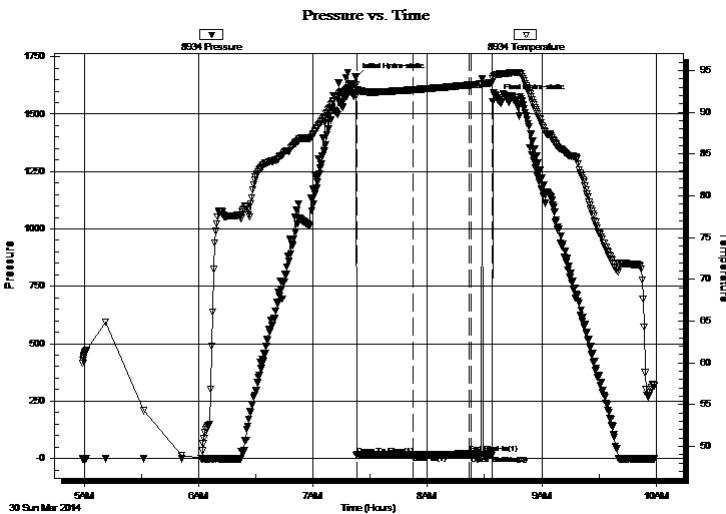
Serial #: 8934

Inside

Press@RunDepth: 16.90 psig @ 3237.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.03.30 End Date: 2014.03.30 Last Calib.: 2014.03.30
 Start Time: 04:59:05 End Time: 09:59:29 Time On Btm: 2014.03.30 @ 07:22:15
 Time Off Btm: 2014.03.30 @ 08:36:45

TEST COMMENT: IF-Very weak surface blow
 IS- No blow
 FF-No blow Flush tool No blow

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1661.24 | 93.26 | Initial Hydro-static |
| 1 | 14.85 | 92.13 | Open To Flow (1) |
| 30 | 16.90 | 92.67 | Shut-In(1) |
| 60 | 20.04 | 93.25 | End Shut-In(1) |
| 61 | 14.63 | 93.26 | Open To Flow (2) |
| 72 | 12.81 | 93.53 | Shut-In(2) |
| 75 | 1566.25 | 94.51 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 1.00 | Mud | 0.01 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Land and Energy LLC

8-15s-16w Ellis, KS

7277 Tenby Way
Castle Rock CO 80104

Braun Unit #1

Job Ticket: 54108

DST#: 2

ATTN: Rod Anderson

Test Start: 2014.03.30 @ 04:59:00

GENERAL INFORMATION:

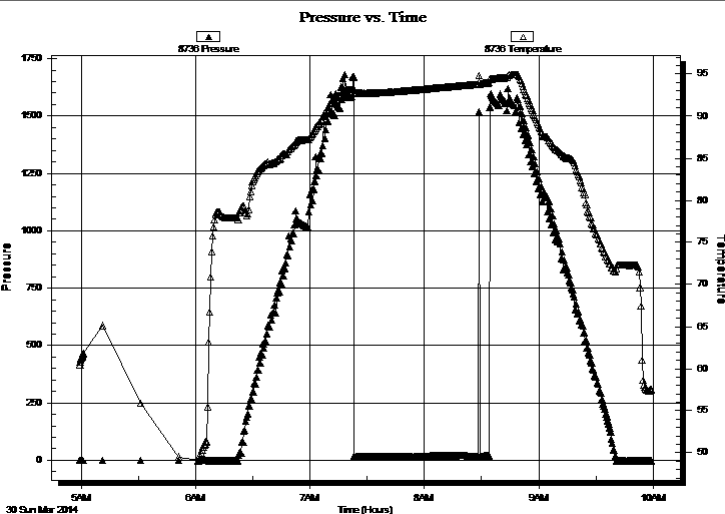
Formation: **KC "C"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 07:22:45 Tester: Brett Dickinson
 Time Test Ended: 09:59:30 Unit No: 59
 Interval: **3234.00 ft (KB) To 3260.00 ft (KB) (TVD)** Reference Elevations: 1916.00 ft (KB)
 Total Depth: 3260.00 ft (KB) (TVD) 1910.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 6.00 ft

Serial #: 8736

Outside

Press@RunDepth: psig @ 3237.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.03.30 End Date: 2014.03.30 Last Calib.: 2014.03.30
 Start Time: 04:59:05 End Time: 09:59:29 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF-Very weak surface blow
 IS- No blow
 FF-No blow Flush tool No blow



PRESSURE SUMMARY

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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 1.00 | Mud | 0.01 |
| | | |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Land and Energy LLC

8-15s-16w Ellis,KS

7277 Tenby Way
Castle Rock CO 80104

Braun Unit #1

Job Ticket: 54108

DST#: 2

ATTN: Rod Anderson

Test Start: 2014.03.30 @ 04:59:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3228.00 ft | Diameter: 3.80 inches | Volume: 45.28 bbl | Tool Weight: 2500.00 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: 58000.00 lb |
| | | | <u>Total Volume: 45.28 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 21.00 ft | | | String Weight: Initial 58000.00 lb |
| Depth to Top Packer: | 3234.00 ft | | | Final 58000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 26.00 ft | | | |
| Tool Length: | 53.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------|
|------------------|-------------|------------|----------|------------|----------------|

| | | | | | |
|----------------|-------|------|---------|---------|-------------------------------|
| Shut In Tool | 5.00 | | | 3212.00 | |
| Hydraulic tool | 5.00 | | | 3217.00 | |
| Jars | 5.00 | | | 3222.00 | |
| Safety Joint | 2.00 | | | 3224.00 | |
| Packer | 5.00 | | | 3229.00 | 27.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3234.00 | |
| Stubb | 1.00 | | | 3235.00 | |
| Perforations | 2.00 | | | 3237.00 | |
| Recorder | 0.00 | 8934 | Inside | 3237.00 | |
| Recorder | 0.00 | 8736 | Outside | 3237.00 | |
| Perforations | 20.00 | | | 3257.00 | |
| Bullnose | 3.00 | | | 3260.00 | 26.00 Bottom Packers & Anchor |

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Land and Energy LLC

8-15s-16w Ellis,KS

7277 Tenby Way
Castle Rock CO 80104

Braun Unit #1

Job Ticket: 54108

DST#: 2

ATTN: Rod Anderson

Test Start: 2014.03.30 @ 04:59:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 1.00 | Mud | 0.014 |

Total Length: 1.00 ft Total Volume: 0.014 bbl

Num Fluid Samples: 0

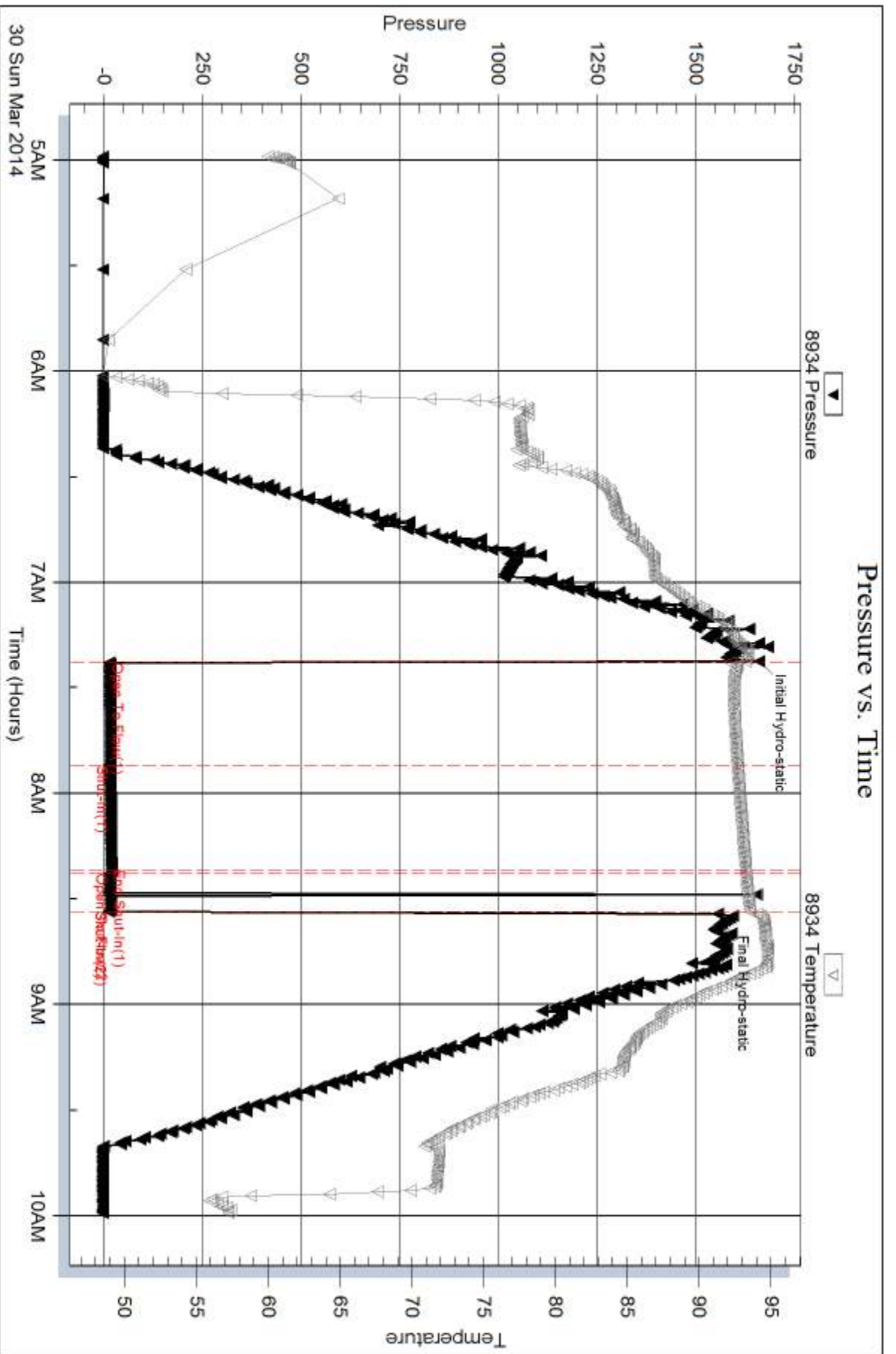
Num Gas Bombs: 0

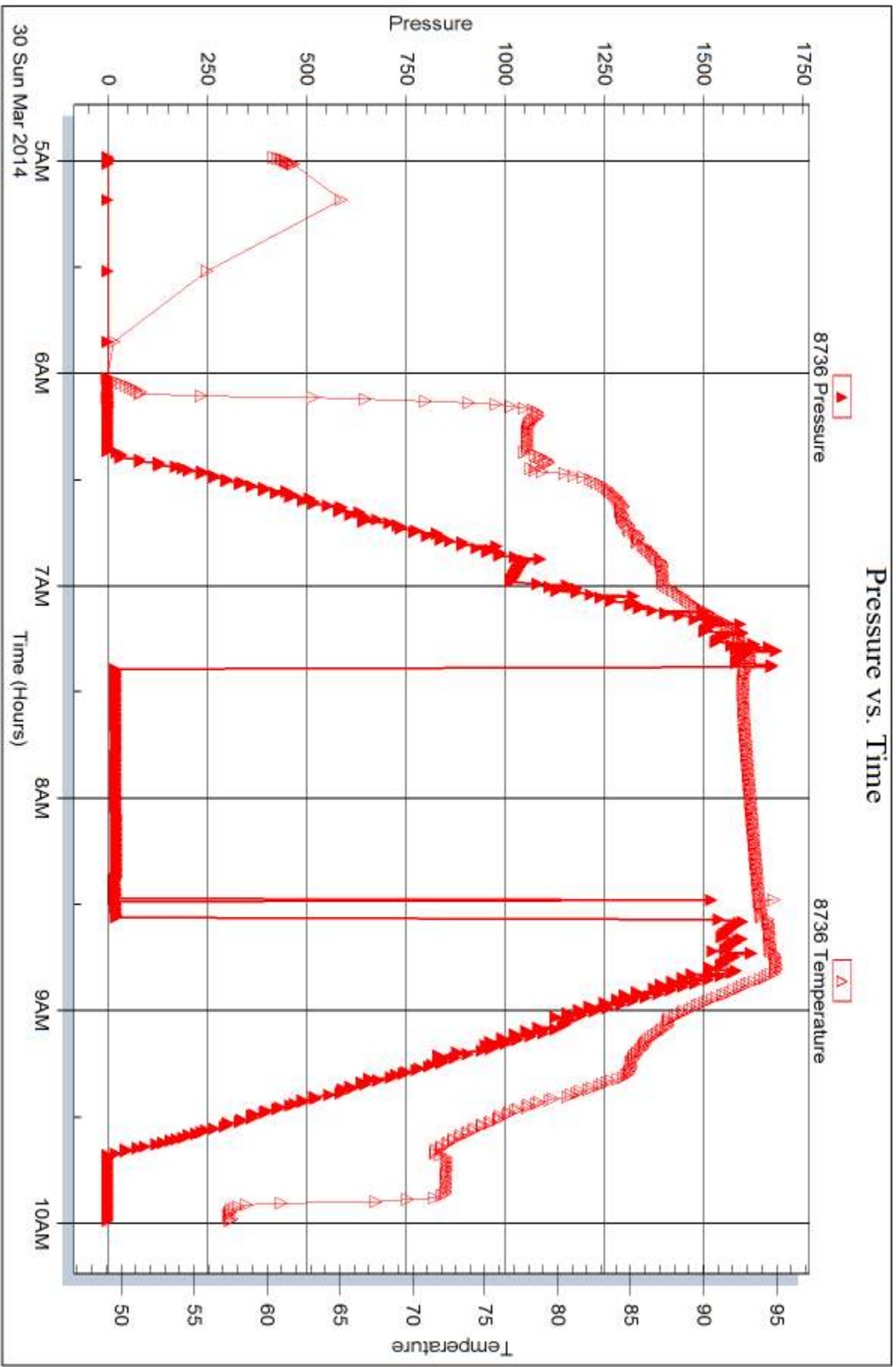
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **American Land and Energy LLC**

7277 Tenby Way
Castle Rock CO 80104

ATTN: Rod Anderson

Braun Unit #1

8-15s-16w Ellis,KS

Start Date: 2014.03.30 @ 22:15:00

End Date: 2014.03.31 @ 03:28:00

Job Ticket #: 54109 DST #: 3

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

Printed: 2014.04.03 @ 09:57:24



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Land and Energy LLC

8-15s-16w Ellis,KS

7277 Tenby Way
Castle Rock CO 80104

Braun Unit #1

ATTN: Rod Anderson

Job Ticket: 54109

DST#: 3

Test Start: 2014.03.30 @ 22:15:00

GENERAL INFORMATION:

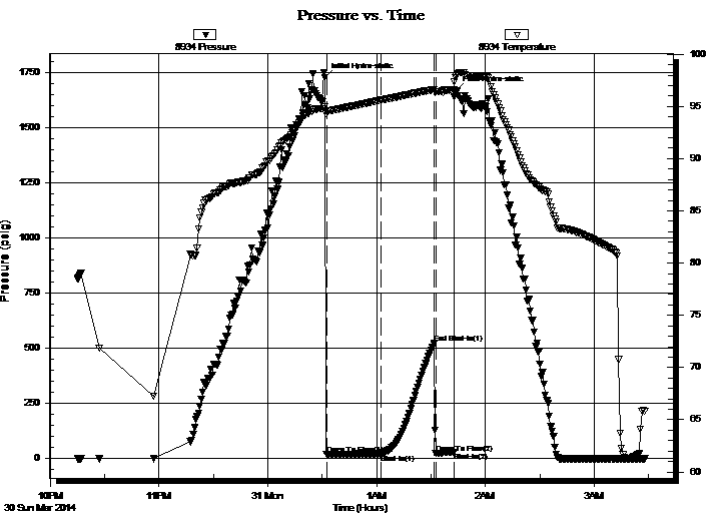
Formation: **KC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:32:15
 Time Test Ended: 03:28:00
 Interval: **3343.00 ft (KB) To 3410.00 ft (KB) (TVD)**
 Total Depth: 3410.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 1916.00 ft (KB)
 1910.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 8934

Inside

Press@RunDepth: 20.66 psig @ 3346.00 ft (KB)
 Start Date: 2014.03.30 End Date: 2014.03.31
 Start Time: 22:15:05 End Time: 03:27:59
 Capacity: 8000.00 psig
 Last Calib.: 2014.03.31
 Time On Btm: 2014.03.31 @ 00:31:30
 Time Off Btm: 2014.03.31 @ 01:44:00

TEST COMMENT: IF-1/4" blow
 IS-No blow
 FF-No blow flush tool surge No blow



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1725.81 | 94.97 | Initial Hydro-static |
| 1 | 17.52 | 94.31 | Open To Flow (1) |
| 31 | 20.66 | 95.60 | Shut-In(1) |
| 61 | 523.46 | 96.63 | End Shut-In(1) |
| 61 | 22.71 | 96.44 | Open To Flow (2) |
| 71 | 27.78 | 96.64 | Shut-In(2) |
| 73 | 1666.23 | 97.99 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 10.00 | OS Mud | 0.14 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Land and Energy LLC

8-15s-16w Ellis,KS

7277 Tenby Way
Castle Rock CO 80104

Braun Unit #1

Job Ticket: 54109

DST#: 3

ATTN: Rod Anderson

Test Start: 2014.03.30 @ 22:15:00

GENERAL INFORMATION:

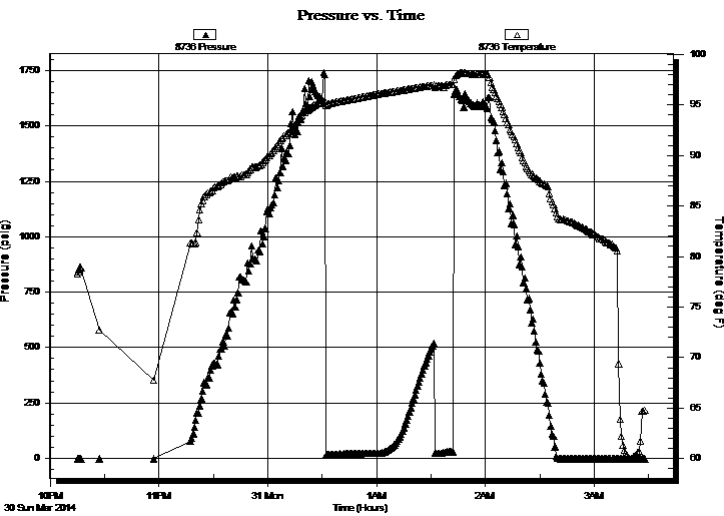
Formation: **KC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:32:15
 Time Test Ended: 03:28:00
 Interval: **3343.00 ft (KB) To 3410.00 ft (KB) (TVD)**
 Total Depth: 3410.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 1916.00 ft (KB)
 1910.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 8736

Outside

Press@RunDepth: psig @ 3346.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.03.30 End Date: 2014.03.31 Last Calib.: 2014.03.31
 Start Time: 22:15:05 End Time: 03:27:59 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF-1/4" blow
 IS-No blow
 FF-No blow flush tool surge No blow



PRESSURE SUMMARY

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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 10.00 | OS Mud | 0.14 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Land and Energy LLC

8-15s-16w Ellis,KS

7277 Tenby Way
Castle Rock CO 80104

Braun Unit #1

Job Ticket: 54109

DST#: 3

ATTN: Rod Anderson

Test Start: 2014.03.30 @ 22:15:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3324.00 ft | Diameter: 3.80 inches | Volume: 46.63 bbl | Tool Weight: 2500.00 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: 59000.00 lb |
| | | | <u>Total Volume: 46.63 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 8.00 ft | | | String Weight: Initial 59000.00 lb |
| Depth to Top Packer: | 3343.00 ft | | | Final 59000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 67.00 ft | | | |
| Tool Length: | 94.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------|
|------------------|-------------|------------|----------|------------|----------------|

| | | | | | |
|-----------------|-------|------|---------|---------|-------------------------------|
| Shut In Tool | 5.00 | | | 3321.00 | |
| Hydraulic tool | 5.00 | | | 3326.00 | |
| Jars | 5.00 | | | 3331.00 | |
| Safety Joint | 2.00 | | | 3333.00 | |
| Packer | 5.00 | | | 3338.00 | 27.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3343.00 | |
| Stubb | 1.00 | | | 3344.00 | |
| Perforations | 2.00 | | | 3346.00 | |
| Recorder | 0.00 | 8934 | Inside | 3346.00 | |
| Recorder | 0.00 | 8736 | Outside | 3346.00 | |
| Change Over Sub | 1.00 | | | 3347.00 | |
| Blank Spacing | 32.00 | | | 3379.00 | |
| Change Over Sub | 1.00 | | | 3380.00 | |
| Perforations | 27.00 | | | 3407.00 | |
| Bullnose | 3.00 | | | 3410.00 | 67.00 Bottom Packers & Anchor |

Total Tool Length: 94.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Land and Energy LLC

8-15s-16w Ellis,KS

7277 Tenby Way
Castle Rock CO 80104

Braun Unit #1

Job Ticket: 54109

DST#: 3

ATTN: Rod Anderson

Test Start: 2014.03.30 @ 22:15:00

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: 52.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 10.00 | OS Mud | 0.140 |

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8934

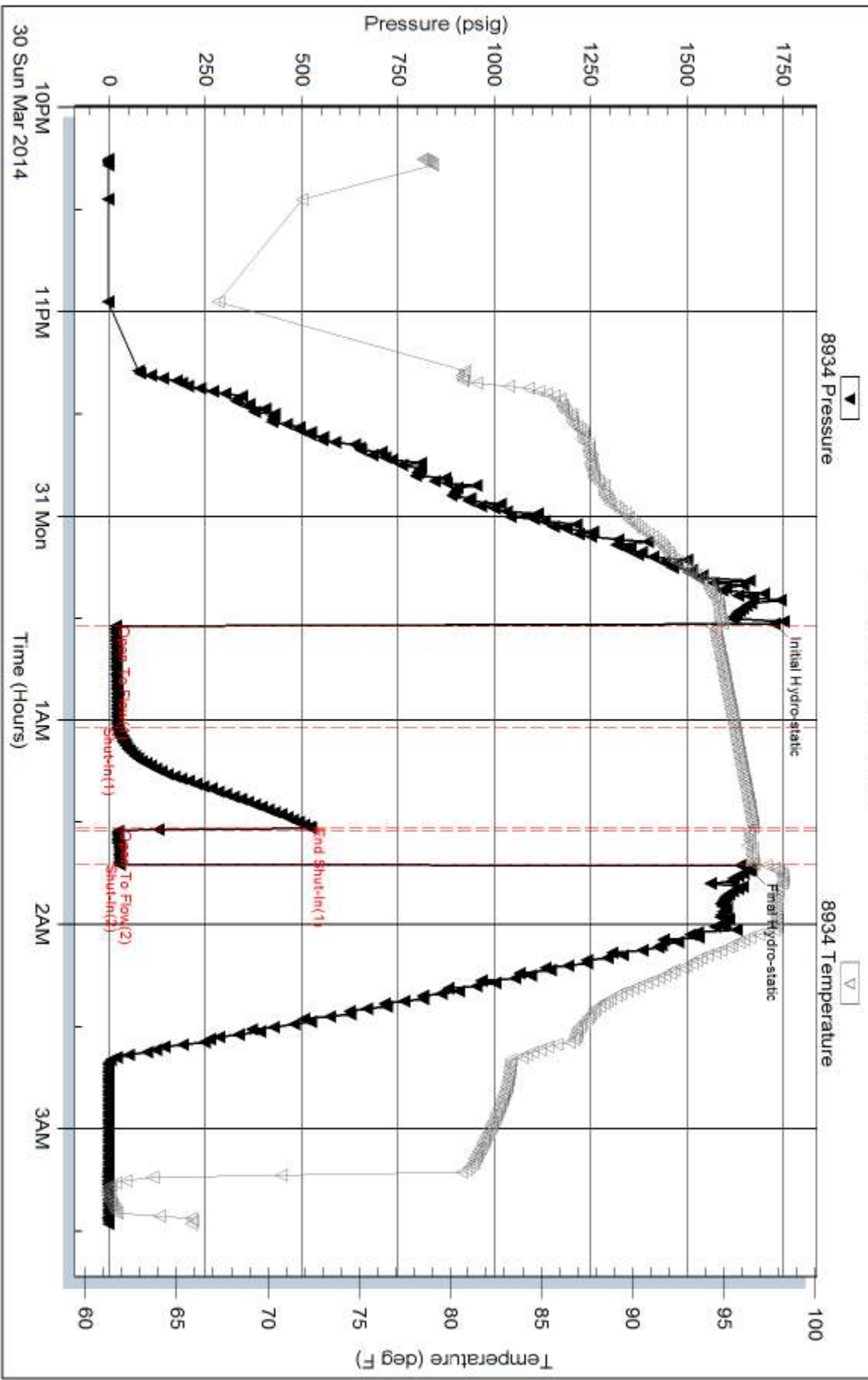
Inside

American Land and Energy LLC

Braun Unit #1

DST Test Number: 3

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 54109

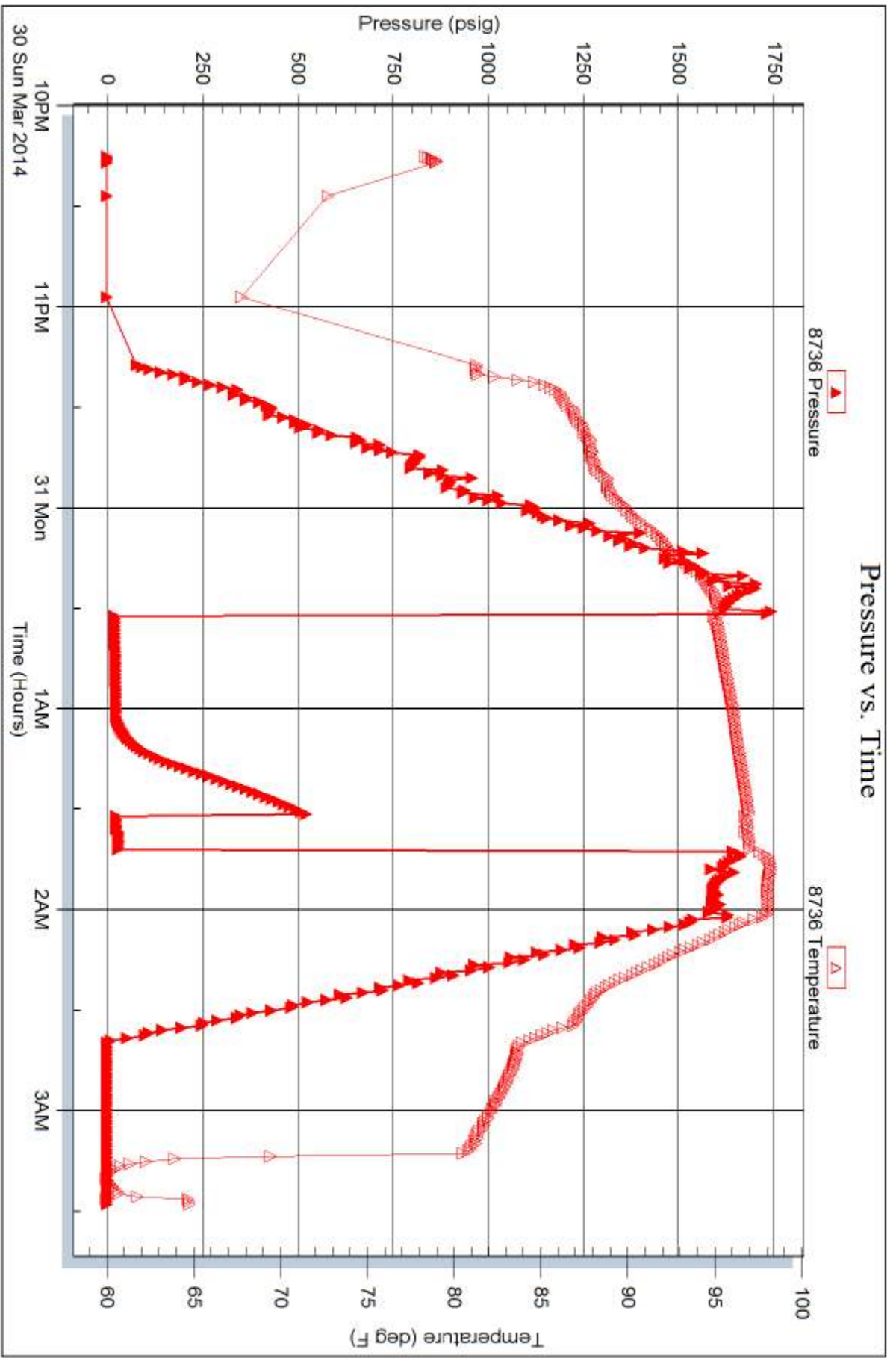
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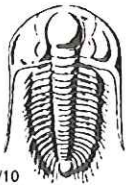
Serial #: 8736

Outside American Land and Energy LLC

Braun Unit #1

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54107

Well Name & No. Braun Unit #1 Test No. 1 Date 3/29/14
 Company American Land and Energy LLC Elevation 1916 KB 1910 GL
 Address 7277 Tenby Way Castle Rock CO 80104
 Co. Rep / Geo. _____ Rig Royal #1
 Location: Sec. 8 Twp. 15 Rge. 16 Co. Ellis State KS

Interval Tested 3178-3233 Zone Tested KC "A-B"
 Anchor Length 55 Drill Pipe Run _____ Mud Wt. 9.3
 Top Packer Depth 3173 Drill Collars Run _____ Vis 52
 Bottom Packer Depth 3178 Wt. Pipe Run _____ WL 8.8
 Total Depth 3233 Chlorides 4,000 ppm System LCM 1#
 Blow Description FE - BOB in 10 min
ISF - 2 1/4 in blow
FP - BOB in 14 min
ESP - 2 in blow

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|---------------|-----------|-----------|-----------|-----------|
| <u>30</u> | <u>60</u> | <u>15</u> | <u>85</u> | | |
| <u>65</u> | <u>YSOMCW</u> | | <u>2</u> | <u>78</u> | <u>20</u> |
| <u>315</u> | <u>OSMCW</u> | | | <u>90</u> | <u>10</u> |
| ____ | ____ | | | | |
| ____ | ____ | | | | |

Rec Total 410 BHT 101 Gravity 33 API RW 12 @ 50 °F Chlorides 95,000 ppm

| | | |
|--------------------------------------|--|--|
| (A) Initial Hydrostatic <u>1,602</u> | <input checked="" type="checkbox"/> Test <u>1150</u> | T-On Location <u>14:30</u> |
| (B) First Initial Flow <u>23</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>14:30</u> |
| (C) First Final Flow <u>114</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>17:20</u> |
| (D) Initial Shut-In <u>844</u> | <input type="checkbox"/> Circ Sub _____ | T-Pulled <u>20:50</u> |
| (E) Second Initial Flow <u>120</u> | <input type="checkbox"/> Hourly Standby _____ | T-Out <u>22:45</u> |
| (F) Second Final Flow <u>210</u> | <input checked="" type="checkbox"/> Mileage <u>32.7</u> <u>49.60</u> | Comments _____ |
| (G) Final Shut-In <u>815</u> | <input checked="" type="checkbox"/> Sampler <u>250</u> | _____ |
| (H) Final Hydrostatic <u>1,565</u> | <input type="checkbox"/> Straddle _____ | <input type="checkbox"/> Ruined Shale Packer _____ |
| Initial Open <u>45</u> | <input type="checkbox"/> Shale Packer _____ | <input type="checkbox"/> Ruined Packer _____ |
| Initial Shut-In <u>45</u> | <input type="checkbox"/> Extra Packer _____ | <input type="checkbox"/> Extra Copies _____ |
| Final Flow <u>60</u> | <input type="checkbox"/> Extra Recorder _____ | Sub Total <u>0</u> |
| Final Shut-In <u>60</u> | <input type="checkbox"/> Day Standby _____ | Total <u>1774.60</u> |
| | <input type="checkbox"/> Accessibility _____ | MP/DST Disc't _____ |
| | Sub Total <u>1774.60</u> | |

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 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 54107 Date _____

Company Name American Lead & Energy

Lease Blaine Unit #1 Test No. 1

County Ellis Sec. 8 Twp. 15 Rng. 16

SAMPLER RECOVERY

Gas ~~1000~~ ML Chlorides _____ ppm.

Oil 100 ~~1900~~ ML Resistivity _____ ohms @ _____ F

Mud _____ ML Viscosity _____

Water 1900 ~~100~~ ML Mud Weight _____

Other _____ ML Filtrate _____

Pressure 450 psi ME Other _____

Total 2000 ML _____

PIT MUD ANALYSIS

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F

Chlorides 95000 ppm.

Gravity _____ corrected @60F

PIPE RECOVERY

TOP

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

MIDDLE

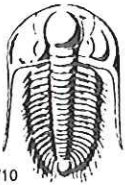
Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

BOTTOM

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54108

Well Name & No. Braun Unit #1 Test No. 2 Date 3/30/14
 Company American Land & Energy LLC Elevation 1916 KB 1910 GL
 Address 7277 Tenby Way Castle Rock Co 80104
 Co. Rep / Geo. _____ Rig Royal #1
 Location: Sec. 8 Twp. 15 Rge. 16 Co. Ellis State KS

Interval Tested 3234-3260 Zone Tested KC" c "
 Anchor Length 26 Drill Pipe Run 3228 Mud Wt. 9.3
 Top Packer Depth 3229 Drill Collars Run — Vis 5.2
 Bottom Packer Depth 3234 Wt. Pipe Run — WL 8.8
 Total Depth 3260 Chlorides 4,000 ppm System LCM 1
 Blow Description IF - Very weak surface blow
ISZ - No blow
EF - No blow (flush tool No. blow)

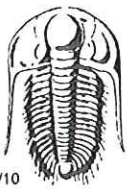
| Rec | Feet of | %gas | %oil | %water | %mud |
|----------|------------|------|------|--------|------|
| <u>1</u> | <u>Mud</u> | | | | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 1 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

| | | |
|-------------------------------------|---|--|
| (A) Initial Hydrostatic <u>4661</u> | <input checked="" type="checkbox"/> Test <u>1150</u> | T-On Location <u>4:55</u> |
| (B) First Initial Flow <u>15</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>4:59</u> |
| (C) First Final Flow <u>17</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>7:23</u> |
| (D) Initial Shut-In <u>20</u> | <input type="checkbox"/> Circ Sub _____ | T-Pulled <u>8:33</u> |
| (E) Second Initial Flow <u>15</u> | <input type="checkbox"/> Hourly Standby _____ | T-Out <u>10:00</u> |
| (F) Second Final Flow _____ | <input checked="" type="checkbox"/> Mileage <u>32.7</u> 49.6 | Comments <u>tooled tools</u> |
| (G) Final Shut-In _____ | <input type="checkbox"/> Sampler _____ | <u>5/1/14</u> |
| (H) Final Hydrostatic <u>1566</u> | <input type="checkbox"/> Straddle _____ | <input type="checkbox"/> Ruined Shale Packer _____ |
| Initial Open <u>30</u> | <input type="checkbox"/> Shale Packer _____ | <input type="checkbox"/> Ruined Packer _____ |
| Initial Shut-In <u>30</u> | <input type="checkbox"/> Extra Packer _____ | <input type="checkbox"/> Extra Copies _____ |
| Final Flow <u>10</u> | <input type="checkbox"/> Extra Recorder _____ | Sub Total <u>0</u> |
| Final Shut-In _____ | <input type="checkbox"/> Day Standby _____ | Total <u>1524.60</u> |
| | <input type="checkbox"/> Accessibility _____ | MP/DST Disc't _____ |
| | Sub Total <u>1524.60</u> | |

Approved By _____ Our Representative Bur 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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54109

Well Name & No. Braun Unit #1 Test No. 3 Date 3/30/14
 Company American Land & Energy LLC Elevation 1916 KB 1910 GL
 Address 7277 Penby Way Castle Rock Co 80104
 Co. Rep / Geo. _____ Rig Royal #1
 Location: Sec. 8 Twp. 15 Rge. 16 Co. Ellis State KS

Interval Tested 3343 - 3410 Zone Tested KC
 Anchor Length 67 Drill Pipe Run _____ Mud Wt. _____
 Top Packer Depth 3338 Drill Collars Run _____ Vis _____
 Bottom Packer Depth 3343 Wt. Pipe Run _____ WL _____
 Total Depth 3410 Chlorides _____ ppm System LCM _____
 Blow Description IF 1/4 in blow
IS - No blow
FF - No blow 4 flush tool surge No blow

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|---------------|------|------|------------|------|
| <u>10</u> | <u>OS Mud</u> | | | <u>100</u> | |
| _____ | _____ | | | | |
| _____ | _____ | | | | |
| _____ | _____ | | | | |
| _____ | _____ | | | | |

Rec Total 10 BHT 97 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

| | | |
|--------------------------------------|---|--|
| (A) Initial Hydrostatic <u>1,726</u> | <input checked="" type="checkbox"/> Test <u>1150</u> | T-On Location <u>22:00</u> |
| (B) First Initial Flow <u>18</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>22:15</u> |
| (C) First Final Flow <u>21</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>00:30</u> |
| (D) Initial Shut-In <u>523</u> | <input type="checkbox"/> Circ Sub _____ | T-Pulled <u>1:40</u> |
| (E) Second Initial Flow <u>23</u> | <input type="checkbox"/> Hourly Standby _____ | T-Out <u>3:25</u> |
| (F) Second Final Flow _____ | <input checked="" type="checkbox"/> Mileage <u>32-7X2</u> 99.20 | Comments <u>loaded tools</u> |
| (G) Final Shut-In _____ | <input type="checkbox"/> Sampler _____ | <u>5/1/14 @ 5:00 am</u> |
| (H) Final Hydrostatic <u>1,666</u> | <input type="checkbox"/> Straddle _____ | <input type="checkbox"/> Ruined Shale Packer _____ |
| Initial Open <u>30</u> | <input type="checkbox"/> Shale Packer _____ | <input type="checkbox"/> Ruined Packer _____ |
| Initial Shut-In <u>30</u> | <input type="checkbox"/> Extra Packer _____ | <input type="checkbox"/> Extra Copies _____ |
| Final Flow <u>10</u> | <input type="checkbox"/> Extra Recorder _____ | Sub Total <u>800</u> |
| Final Shut-In _____ | <input checked="" type="checkbox"/> Day Standby <u>1d 1.5h</u> | Total <u>2374.20</u> |
| | <input type="checkbox"/> Accessibility _____ | MP/DST Disc't _____ |
| | Sub Total <u>1574.20</u> | |

Approved By _____ Our Representative BWD
 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.