



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1084971
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: _____

1084971

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 | Brinker Enterprises, LLC |
| Well Name | ChesneyHitschmann 16-1 |
| Doc ID | 1084971 |

Tops

| Name | Top | Datum |
|------------------|------|-------|
| Anhydrite | 1044 | +797 |
| Base Anhydrite | 1077 | +764 |
| Topeka | 2772 | -931 |
| Heebner | 3012 | -1171 |
| Toronto | 3034 | -1193 |
| Lansing | 3064 | -1223 |
| Base Kansas City | 3325 | -1484 |
| Conglomerate | 3436 | -1595 |
| Total Depth | 3600 | -1759 |

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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

July 16, 2012

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

Re: ACO1
API 15-141-20444-00-00
ChesneyHitschmann 16-1
NW/4 Sec.16-10S-15W
Osborne 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



DRILL STEM TEST REPORT

Prepared For: **Brinker Enterprises LLC**

216 S. Marshall St.
Glen Elder KS 67446

ATTN: Richard Bell

ChesneyHitschman16-1

16-10s-15w Osborne KS

Start Date: 2012.05.16 @ 07:31:00

End Date: 2012.05.16 @ 11:47:45

Job Ticket #: 47179 DST #: 1

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

Printed: 2012.05.25 @ 08:53:51

Brinker Enterprises LLC

16-10s-15w Osborne KS

ChesneyHitschman16-1

DST # 1

Topeka

2012.05.16



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Brinker Enterprises LLC

16-10s-15w Osborne KS

216 S. Marshall St.
Glen Elder KS 67446

ChesneyHitschman16-1

ATTN: Richard Bell

Job Ticket: 47179

DST#: 1

Test Start: 2012.05.16 @ 07:31:00

GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:43:45

Time Test Ended: 11:47:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 54

Interval: 2797.00 ft (KB) To 2815.00 ft (KB) (TVD)

Reference Elevations: 1841.00 ft (KB)

Total Depth: 2815.00 ft (KB) (TVD)

1837.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 4.00 ft

Serial #: 8366 Inside

Press @ Run Depth: 14.88 psig @ 2798.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.05.16

End Date:

2012.05.16

Last Calib.: 2012.05.16

Start Time: 07:31:02

End Time:

11:47:45

Time On Btm: 2012.05.16 @ 08:43:30

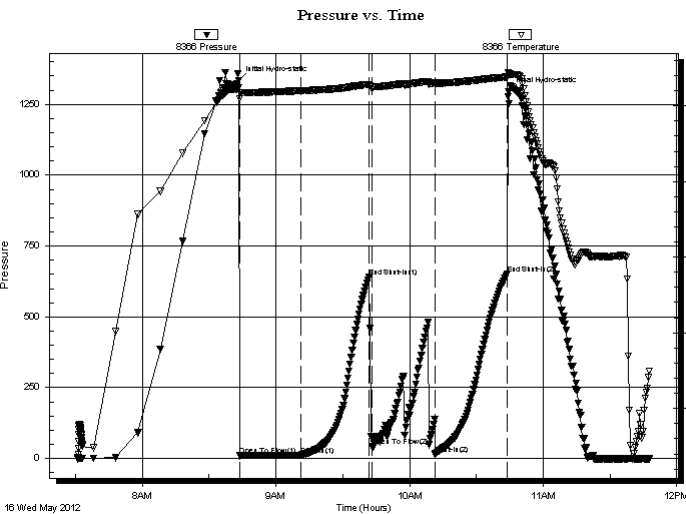
Time Off Btm: 2012.05.16 @ 10:44:30

TEST COMMENT: 30 - IF-1/8" blow , died in 16 min.

30 - IS- No blow back

30 - FF- No blow back

30 - FS- No blow back



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1334.17 | 91.21 | Initial Hydro-static |
| 1 | 9.74 | 90.46 | Open To Flow (1) |
| 28 | 12.28 | 90.99 | Shut-In(1) |
| 59 | 640.82 | 91.42 | End Shut-In(1) |
| 60 | 42.63 | 91.23 | Open To Flow (2) |
| 88 | 14.88 | 91.43 | Shut-In(2) |
| 121 | 650.85 | 91.90 | End Shut-In(2) |
| 121 | 1296.29 | 92.13 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------|--------------|
| 5.00 | Mud, 100%M, Oil scum | 0.02 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Brinker Enterprises LLC

16-10s-15w Osborne KS

216 S. Marshall St.
Glen Elder KS 67446

ChesneyHitschman16-1

ATTN: Richard Bell

Job Ticket: 47179

DST#: 1

Test Start: 2012.05.16 @ 07:31:00

GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:43:45

Time Test Ended: 11:47:45

Interval: **2797.00 ft (KB) To 2815.00 ft (KB) (TVD)**

Total Depth: 2815.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 54

Reference Elevations: 1841.00 ft (KB)

1837.00 ft (CF)

KB to GR/CF: 4.00 ft

Serial #: 8289 Outside

Press @ Run Depth: psig @ 2798.00 ft (KB)

Start Date: 2012.05.16

End Date:

2012.05.16

Capacity: 8000.00 psig

Last Calib.:

2012.05.16

Start Time:

07:31:02

End Time:

11:47:45

Time On Btm:

Time Off Btm:

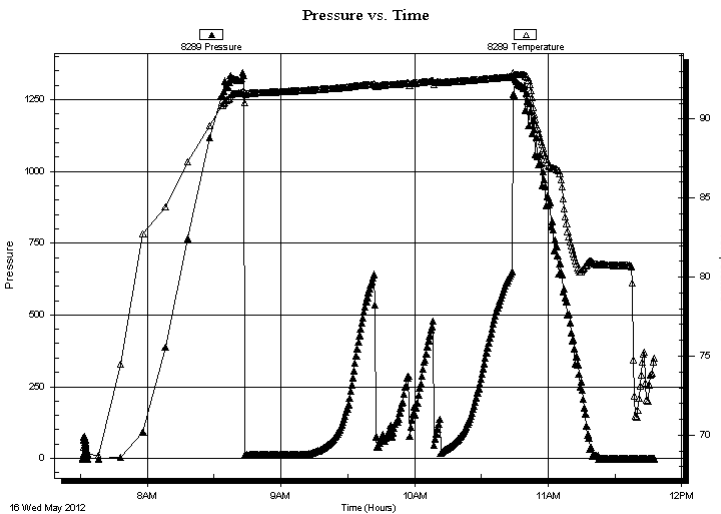
TEST COMMENT: 30 - IF-1/8" blow, died in 16 min.

30 - IS- No blow back

30 - FF- No blow back

30 - FS- No blow back

PRESSURE SUMMARY



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

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------|--------------|
| 5.00 | Mud, 100%M, Oil scum | 0.02 |
| | | |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Brinker Enterprises LLC

16-10s-15w Osborne KS

216 S. Marshall St.
Glen Elder KS 67446

ChesneyHitschman16-1

Job Ticket: 47179

DST#: 1

ATTN: Richard Bell

Test Start: 2012.05.16 @ 07:31:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 2680.00 ft | Diameter: 3.80 inches | Volume: 37.59 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: 124.00 ft | Diameter: 2.25 inches | Volume: 0.61 bbl | Weight to Pull Loose: 34000.00 lb |
| | | | <u>Total Volume: 38.20 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 28.00 ft | | | String Weight: Initial 30000.00 lb |
| Depth to Top Packer: | 2797.00 ft | | | Final 30000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 18.00 ft | | | |
| Tool Length: | 39.00 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 | | | 2777.00 | |
| Shut In Tool | 5.00 | | | 2782.00 | |
| Hydraulic tool | 5.00 | | | 2787.00 | |
| Packer | 5.00 | | | 2792.00 | 21.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 2797.00 | |
| Stubb | 1.00 | | | 2798.00 | |
| Recorder | 0.00 | 8366 | Inside | 2798.00 | |
| Recorder | 0.00 | 8289 | Outside | 2798.00 | |
| Perforations | 14.00 | | | 2812.00 | |
| Bullnose | 3.00 | | | 2815.00 | 18.00 Bottom Packers & Anchor |
| Total Tool Length: | 39.00 | | | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brinker Enterprises LLC

16-10s-15w Osborne KS

216 S. Marshall St.
Glen Elder KS 67446

ChesneyHitschman16-1

Job Ticket: 47179

DST#: 1

ATTN: Richard Bell

Test Start: 2012.05.16 @ 07:31:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 30.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 60000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|----------------------|---------------|
| 5.00 | Mud, 100%M, Oil scum | 0.025 |

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

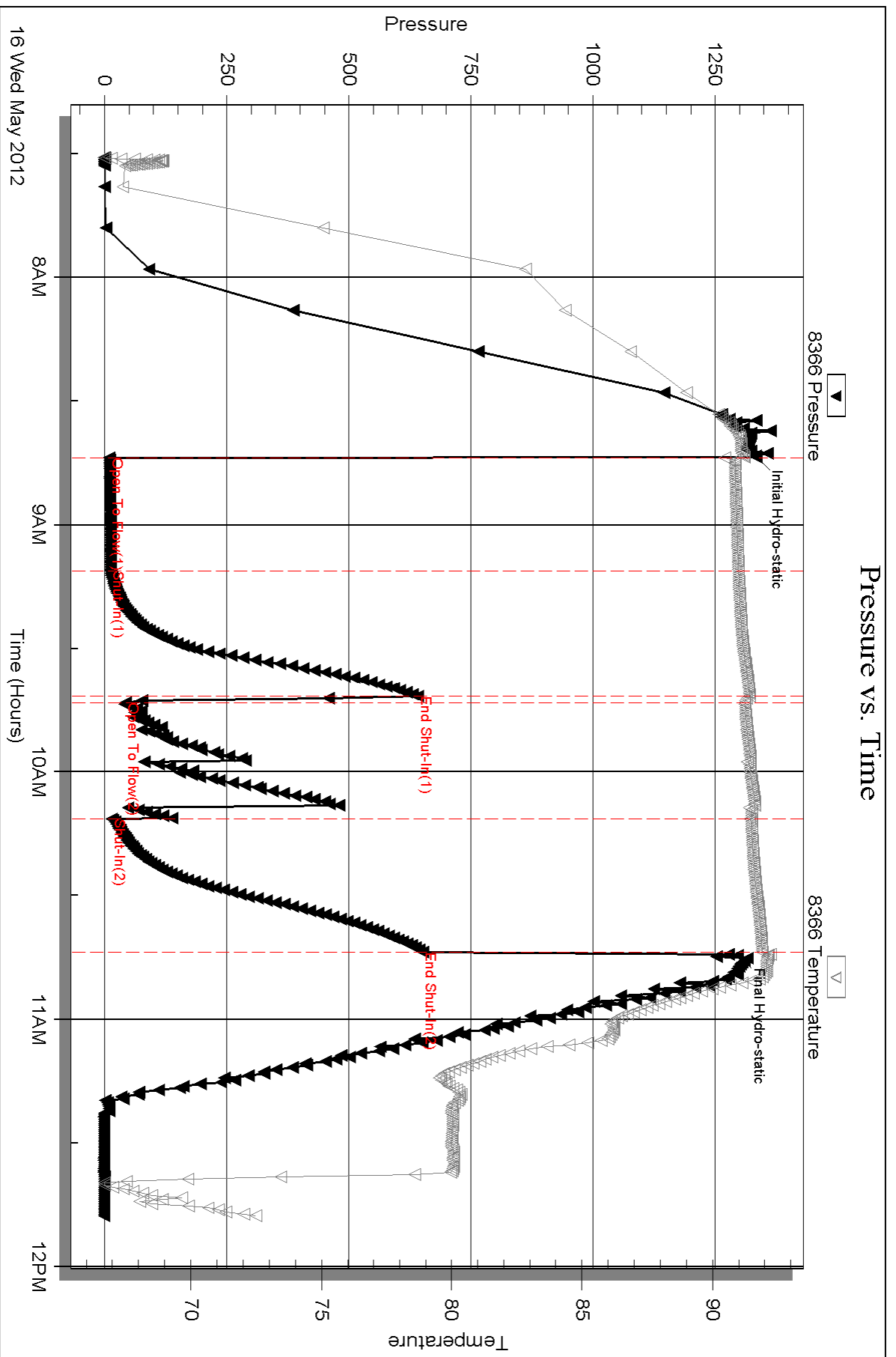
Num Gas Bombs: 0

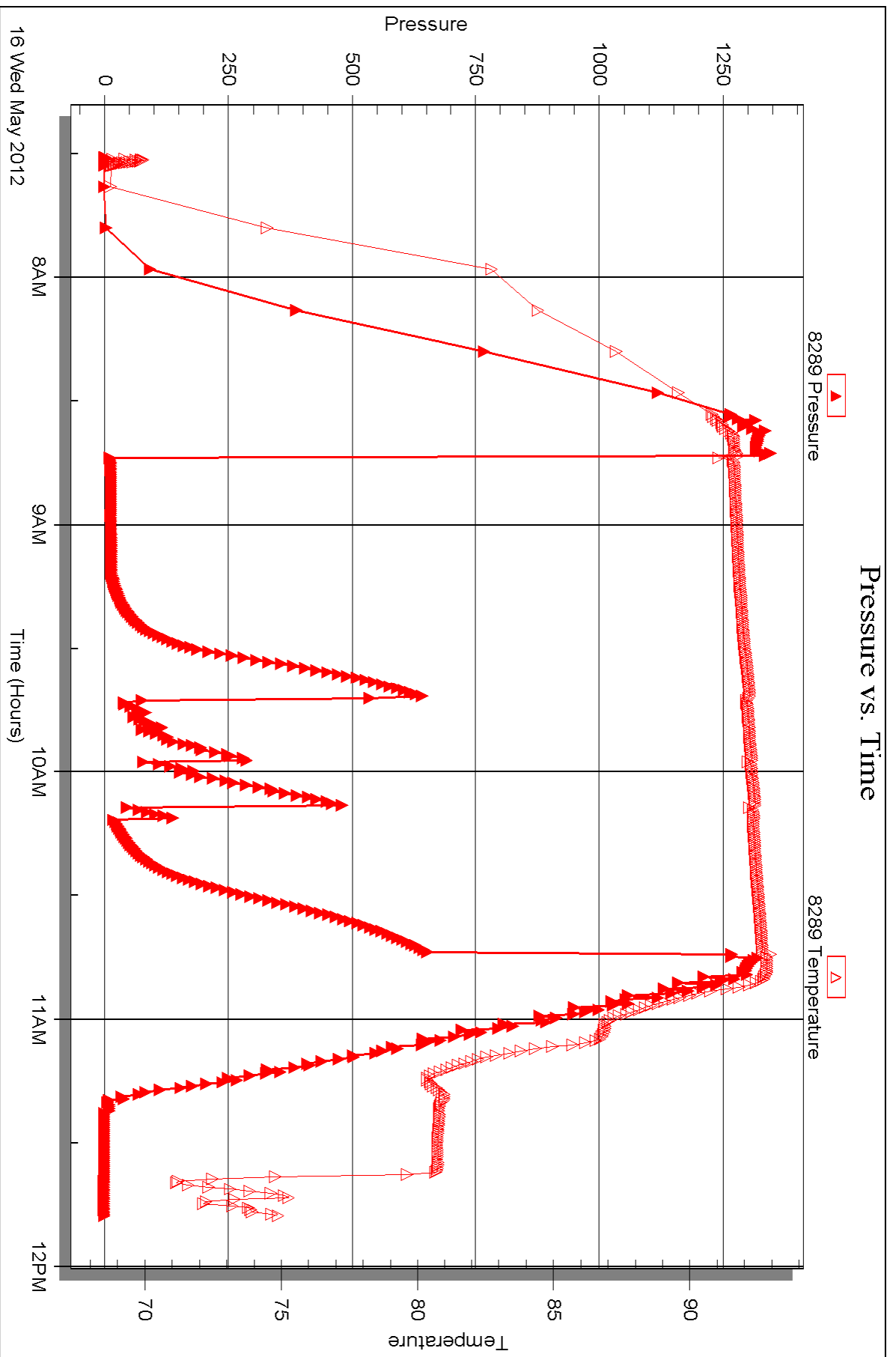
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Brinker Enterprises LLC**

216 S. Marshall St.
Glen Elder KS 67446

ATTN: Richard Bell

ChesneyHitschman16-1

16-10s-15w Osborne KS

Start Date: 2012.05.17 @ 00:41:00

End Date: 2012.05.17 @ 04:46:45

Job Ticket #: 47180 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.05.25 @ 08:53:14

Brinker Enterprises LLC

16-10s-15w Osborne KS

ChesneyHitschman16-1

DST # 2

Toronto

2012.05.17



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Brinker Enterprises LLC

16-10s-15w Osborne KS

216 S. Marshall St.
Glen Elder KS 67446

ChesneyHitschman16-1

ATTN: Richard Bell

Job Ticket: 47180

DST#: 2

Test Start: 2012.05.17 @ 00:41:00

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:44:30

Time Test Ended: 04:46:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 54

Interval: 3013.00 ft (KB) To 3048.00 ft (KB) (TVD)

Reference Elevations: 1841.00 ft (KB)

Total Depth: 3048.00 ft (KB) (TVD)

1837.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 4.00 ft

Serial #: 8366 Inside

Press @ Run Depth: 23.75 psig @ 3014.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.05.17 End Date: 2012.05.17

Last Calib.: 2012.05.17

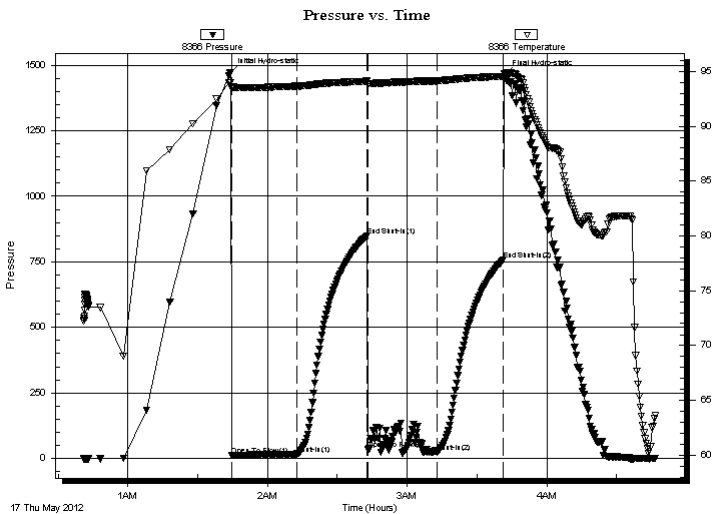
Start Time: 00:41:02 End Time: 04:46:45

Time On Btm: 2012.05.17 @ 01:44:15

Time Off Btm: 2012.05.17 @ 03:42:00

TEST COMMENT: 30 - IF- 1/4" blow
30 - IS- No blow back
30 - FF- No blow back
30 - FS- No blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1472.45 | 94.02 | Initial Hydro-static |
| 1 | 11.49 | 93.39 | Open To Flow (1) |
| 29 | 17.63 | 93.66 | Shut-In(1) |
| 59 | 850.26 | 94.11 | End Shut-In(1) |
| 59 | 34.35 | 93.80 | Open To Flow (2) |
| 89 | 23.75 | 94.13 | Shut-In(2) |
| 117 | 758.21 | 94.56 | End Shut-In(2) |
| 118 | 1462.74 | 94.82 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------------------|--------------|
| 15.00 | Mud - Oil Scum, 100%Mud | 0.07 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Brinker Enterprises LLC

16-10s-15w Osborne KS

216 S. Marshall St.
Glen Elder KS 67446

ChesneyHitschman16-1

Job Ticket: 47180

DST#: 2

ATTN: Richard Bell

Test Start: 2012.05.17 @ 00:41:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 2897.00 ft | Diameter: 3.80 inches | Volume: 40.64 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: 124.00 ft | Diameter: 2.25 inches | Volume: 0.61 bbl | Weight to Pull Loose: 34000.00 lb |
| | | | <u>Total Volume: 41.25 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 29.00 ft | | | String Weight: Initial 30000.00 lb |
| Depth to Top Packer: | 3013.00 ft | | | Final 30000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 35.00 ft | | | |
| Tool Length: | 56.00 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 | | | 2993.00 | |
| Shut In Tool | 5.00 | | | 2998.00 | |
| Hydraulic tool | 5.00 | | | 3003.00 | |
| Packer | 5.00 | | | 3008.00 | 21.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3013.00 | |
| Stubb | 1.00 | | | 3014.00 | |
| Recorder | 0.00 | 8366 | Inside | 3014.00 | |
| Recorder | 0.00 | 8289 | Outside | 3014.00 | |
| Perforations | 31.00 | | | 3045.00 | |
| Bullnose | 3.00 | | | 3048.00 | 35.00 Bottom Packers & Anchor |
| Total Tool Length: | 56.00 | | | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brinker Enterprises LLC

16-10s-15w Osborne KS

216 S. Marshall St.
Glen Elder KS 67446

ChesneyHitschman16-1

Job Ticket: 47180

DST#: 2

ATTN: Richard Bell

Test Start: 2012.05.17 @ 00:41:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 30.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 60000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------------------|---------------|
| 15.00 | Mud - Oil Scum, 100%Mud | 0.074 |

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

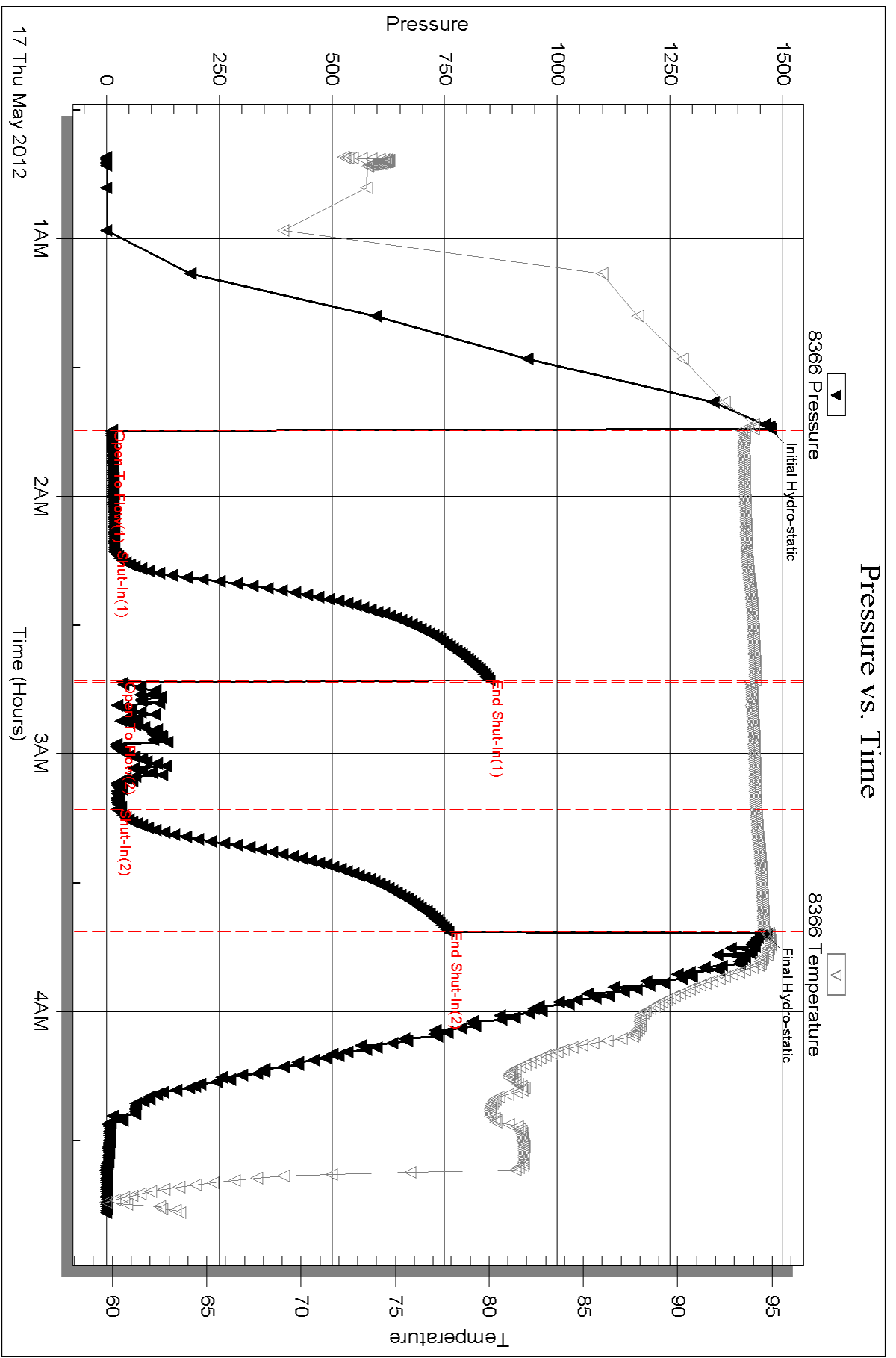
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

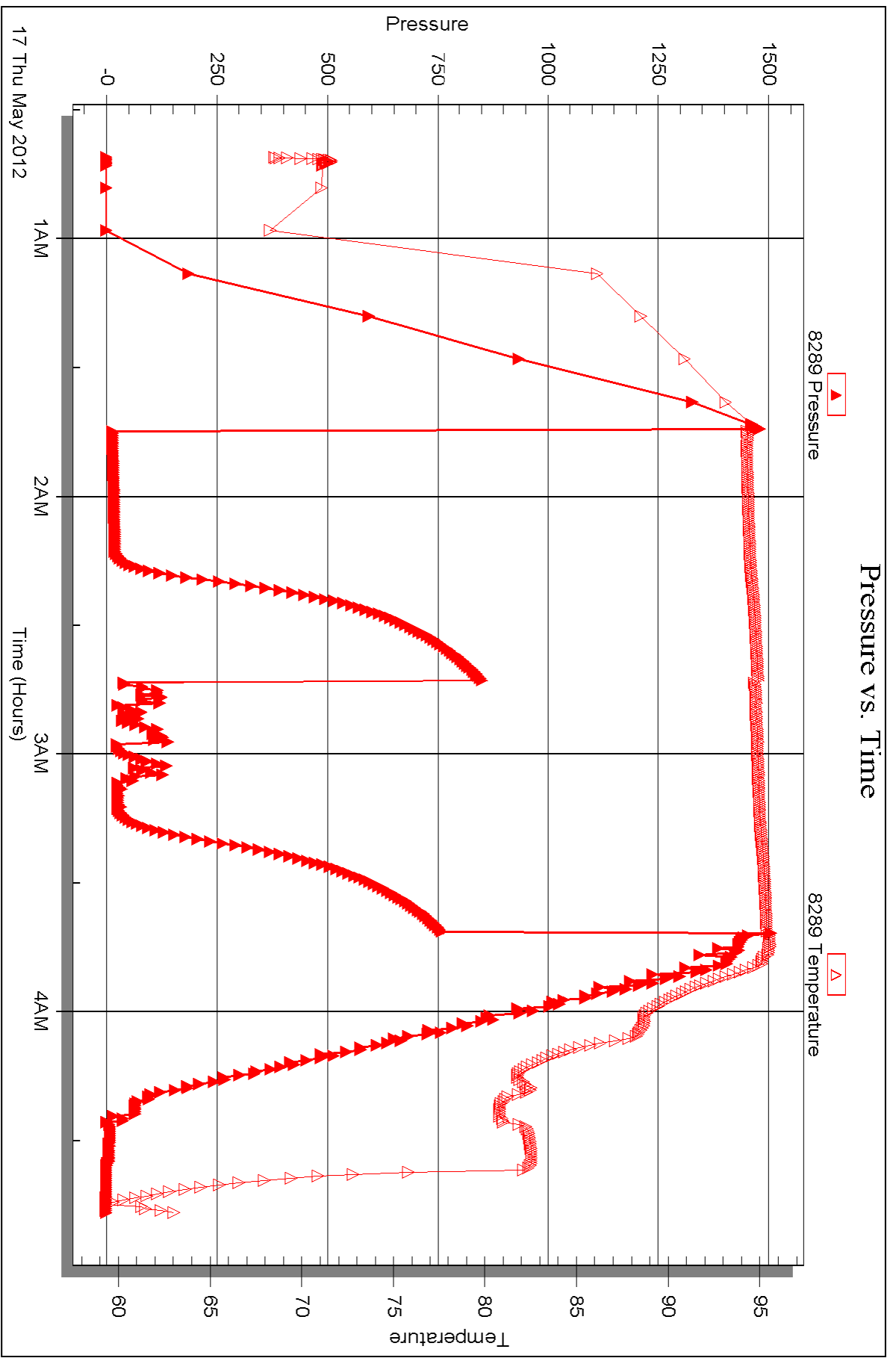


Serial #: 8289

Outside Brinker Enterprises LLC

Chesney/Hitschman 16-1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Brinker Enterprises LLC**

216 S. Marshall St.
Glen Elder KS 67446

ATTN: Richard Bell

ChesneyHitschman16-1

16-10s-15w Osborne KS

Start Date: 2012.05.17 @ 23:45:13

End Date: 2012.05.18 @ 04:34:28

Job Ticket #: 47291 DST #: 3

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

Printed: 2012.05.25 @ 08:52:38



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Brinker Enterprises LLC

16-10s-15w Osborne KS

216 S. Marshall St.
Glen Elder KS 67446

ChesneyHitschman16-1

ATTN: Richard Bell

Job Ticket: 47291

DST#: 3

Test Start: 2012.05.17 @ 23:45:13

GENERAL INFORMATION:

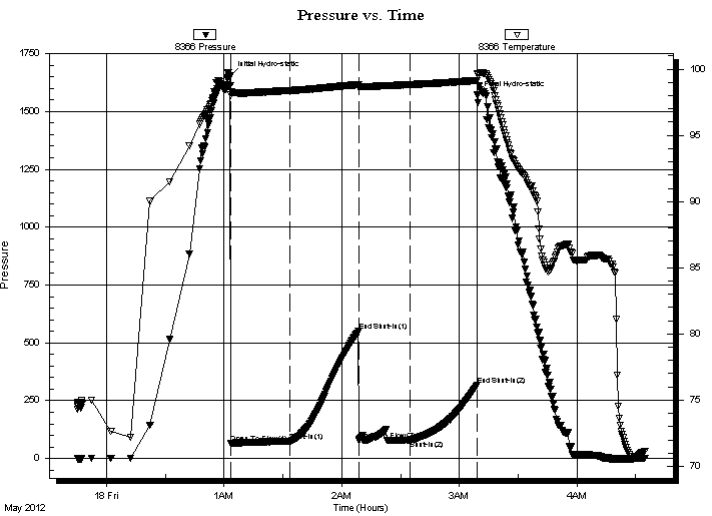
Formation: **H-L**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 01:03:28
 Tester: Jason McLemore
 Time Test Ended: 04:34:28
 Unit No: 54
 Interval: **3190.00 ft (KB) To 3326.00 ft (KB) (TVD)**
 Reference Elevations: 1841.00 ft (KB)
 Total Depth: 2815.00 ft (KB) (TVD) 1837.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 4.00 ft

Serial #: 8366

Inside

Press @ Run Depth: 78.78 psig @ 3289.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.05.17 End Date: 2012.05.18 Last Calib.: 2012.05.18
 Start Time: 23:45:15 End Time: 04:34:28 Time On Btm: 2012.05.18 @ 01:03:13
 Time Off Btm: 2012.05.18 @ 03:09:13

TEST COMMENT: IFP-Weak Surface Blow, Dead in 5 min.
 ISI-Dead
 FFP-Dead
 FSI-Dead



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1654.24 | 98.74 | Initial Hydro-static |
| 1 | 64.05 | 98.04 | Open To Flow (1) |
| 31 | 73.44 | 98.38 | Shut-In(1) |
| 66 | 549.64 | 98.83 | End Shut-In(1) |
| 66 | 78.17 | 98.56 | Open To Flow (2) |
| 92 | 78.78 | 98.83 | Shut-In(2) |
| 126 | 316.86 | 99.15 | End Shut-In(2) |
| 126 | 1570.39 | 99.69 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------|--------------|
| 10.00 | V SOCM-2%O-98%M | 0.05 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Brinker Enterprises LLC

16-10s-15w Osborne KS

216 S. Marshall St.
Glen Elder KS 67446

ChesneyHitschman16-1

Job Ticket: 47291

DST#: 3

ATTN: Richard Bell

Test Start: 2012.05.17 @ 23:45:13

GENERAL INFORMATION:

Formation: **H-L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:03:28

Time Test Ended: 04:34:28

Interval: **3190.00 ft (KB) To 3326.00 ft (KB) (TVD)**

Total Depth: 2815.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Jason McLemore

Unit No: 54

Reference Elevations: 1841.00 ft (KB)

1837.00 ft (CF)

KB to GR/CF: 4.00 ft

Serial #: **8289** Outside

Press @ Run Depth: psig @ 3289.00 ft (KB)

Start Date: 2012.05.17

End Date: 2012.05.18

Capacity: 8000.00 psig

Last Calib.: 2012.05.18

Start Time: 23:43:52

End Time: 04:33:35

Time On Btm:

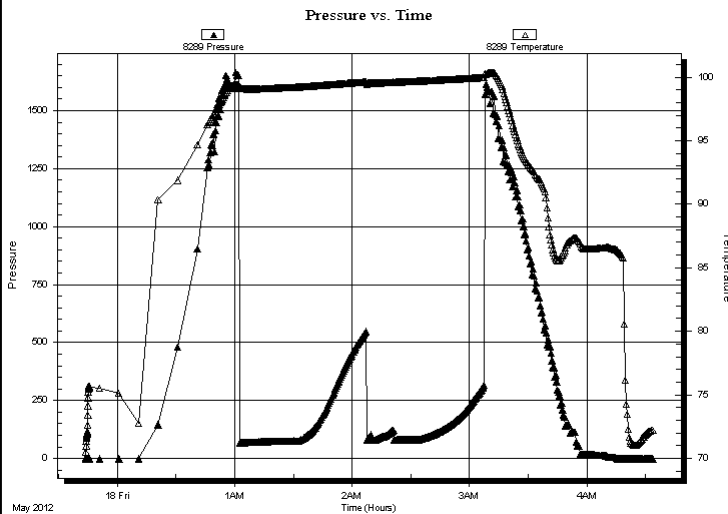
Time Off Btm:

TEST COMMENT: IFP-Weak Surface Blow , Dead in 5 min.

ISI-Dead

FFP-Dead

FSI-Dead



PRESSURE SUMMARY

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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------|--------------|
| 10.00 | V SOCM-2%O-98%M | 0.05 |
| | | |
| | | |
| | | |
| | | |
| | | |

* 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

16-10s-15w Osborne KS

216 S. Marshall St.
Glen Elder KS 67446

ChesneyHitschman16-1

Job Ticket: 47291

DST#: 3

ATTN: Richard Bell

Test Start: 2012.05.17 @ 23:45:13

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|-------------------------|------------------------------------|
| Drill Pipe: | Length: 3050.00 ft | Diameter: 3.80 inches | Volume: 42.78 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: 124.00 ft | Diameter: 2.25 inches | Volume: 0.61 bbl | Weight to Pull Loose: 35000.00 lb |
| | | | Total Volume: 43.39 bbl | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 5.00 ft | | | String Weight: Initial 32000.00 lb |
| Depth to Top Packer: | 3190.00 ft | | | Final 32000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 136.00 ft | | | |
| Tool Length: | 157.00 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 | | | 3170.00 | |
| Shut In Tool | 5.00 | | | 3175.00 | |
| Hydraulic tool | 5.00 | | | 3180.00 | |
| Packer | 5.00 | | | 3185.00 | 21.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3190.00 | |
| Stubb | 1.00 | | | 3191.00 | |
| Perforations | 4.00 | | | 3195.00 | |
| Blank Spacing | 94.00 | | | 3289.00 | |
| Recorder | 0.00 | 8366 | Inside | 3289.00 | |
| Recorder | 0.00 | 8289 | Outside | 3289.00 | |
| Perforations | 34.00 | | | 3323.00 | |
| Bullnose | 3.00 | | | 3326.00 | 136.00 Bottom Packers & Anchor |

Total Tool Length: 157.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brinker Enterprises LLC

16-10s-15w Osborne KS

216 S. Marshall St.
Glen Elder KS 67446

ChesneyHitschman16-1

Job Ticket: 47291

DST#: 3

ATTN: Richard Bell

Test Start: 2012.05.17 @ 23:45:13

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 30.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 60000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|----------------|---------------|
| 10.00 | VSOCM-2%O-98%M | 0.049 |

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

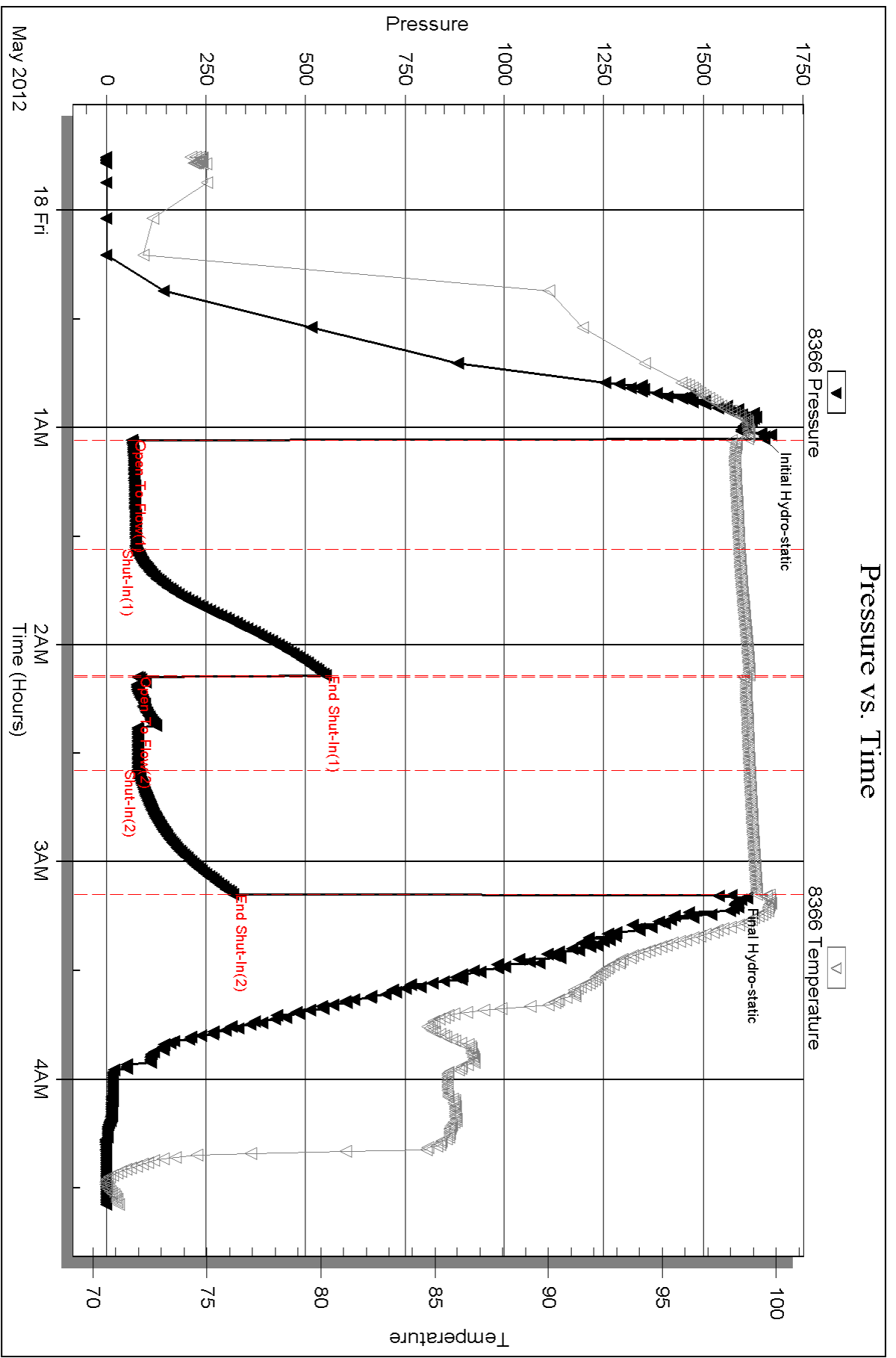
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

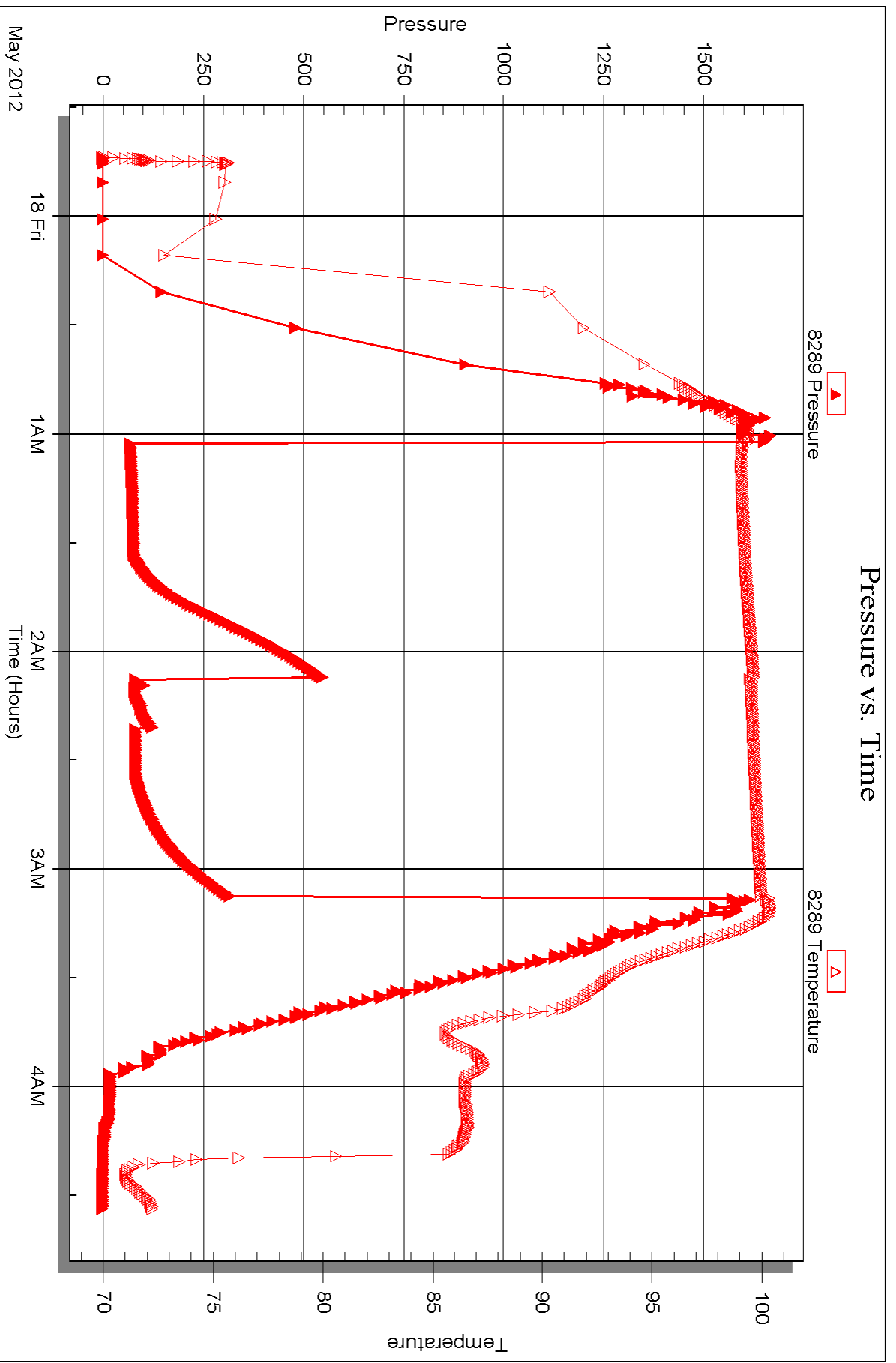


Serial #: 8289

Outside Brinker Enterprises LLC

Chesney/Hitschman 16-1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Brinker Enterprises LLC**

216 S. Marshall St.
Glen Elder KS 67446

ATTN: Richard Bell

ChesneyHitschman16-1

16-10s-15w Osborne KS

Start Date: 2012.05.18 @ 13:54:49

End Date: 2012.05.18 @ 21:02:34

Job Ticket #: 47292 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.05.25 @ 08:51:54

Brinker Enterprises LLC

16-10s-15w Osborne KS

ChesneyHitschman16-1

DST # 4

Conglomerate Sand

2012.05.18



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Brinker Enterprises LLC

16-10s-15w Osborne KS

216 S. Marshall St.
Glen Elder KS 67446

ChesneyHitschman16-1

ATTN: Richard Bell

Job Ticket: 47292

DST#: 4

Test Start: 2012.05.18 @ 13:54:49

GENERAL INFORMATION:

Formation: **Conglomerate Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:25:04

Time Test Ended: 21:02:34

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 54

Interval: 3439.00 ft (KB) To 3445.00 ft (KB) (TVD)

Reference Elevations: 1841.00 ft (KB)

Total Depth: 3445.00 ft (KB) (TVD)

1837.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 4.00 ft

Serial #: 8366

Inside

Press @ Run Depth: 452.77 psig @ 3440.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.05.18

End Date:

2012.05.18

Last Calib.:

2012.05.18

Start Time: 13:54:51

End Time:

21:02:34

Time On Btm:

2012.05.18 @ 15:24:49

Time Off Btm:

2012.05.18 @ 19:26:34

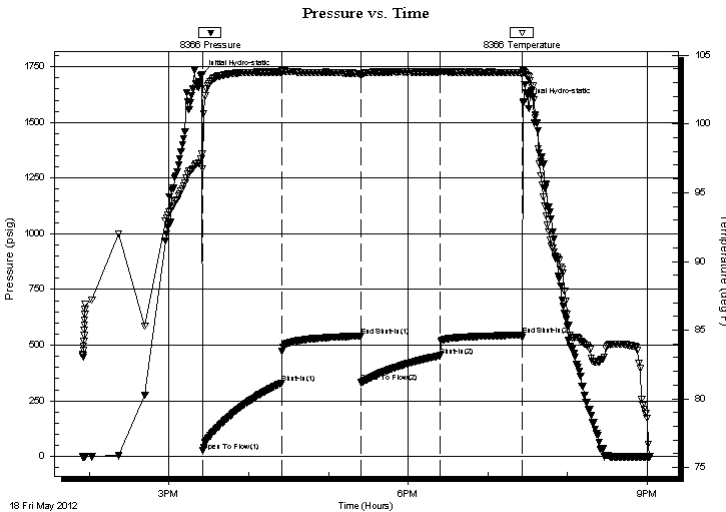
TEST COMMENT: IFP-Strong, BOB in 5 min.

ISI-Dead

FFP-Good Blow, BOB in 12 min.

FSI-Dead

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1714.50 | 97.80 | Initial Hydro-static |
| 1 | 25.80 | 96.76 | Open To Flow (1) |
| 60 | 329.55 | 103.78 | Shut-In(1) |
| 120 | 541.34 | 103.65 | End Shut-In(1) |
| 120 | 331.96 | 103.54 | Open To Flow (2) |
| 180 | 452.77 | 103.78 | Shut-In(2) |
| 241 | 545.24 | 103.71 | End Shut-In(2) |
| 242 | 1590.64 | 103.90 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------|--------------|
| 1080.00 | Muddy Water-95%W-5%M | 14.02 |
| | | |
| | | |
| | | |
| | | |

* 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

16-10s-15w Osborne KS

216 S. Marshall St.
Glen Elder KS 67446

ChesneyHitschman16-1

Job Ticket: 47292

DST#: 4

ATTN: Richard Bell

Test Start: 2012.05.18 @ 13:54:49

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3300.00 ft | Diameter: 3.80 inches | Volume: 46.29 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: 124.00 ft | Diameter: 2.25 inches | Volume: 0.61 bbl | Weight to Pull Loose: 45000.00 lb |
| | | | <u>Total Volume: 46.90 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 6.00 ft | | | String Weight: Initial 37000.00 lb |
| Depth to Top Packer: | 3439.00 ft | | | Final 41000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 6.00 ft | | | |
| Tool Length: | 27.00 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 | | | 3419.00 | |
| Shut In Tool | 5.00 | | | 3424.00 | |
| Hydraulic tool | 5.00 | | | 3429.00 | |
| Packer | 5.00 | | | 3434.00 | 21.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3439.00 | |
| Stubb | 1.00 | | | 3440.00 | |
| Recorder | 0.00 | 8366 | Inside | 3440.00 | |
| Recorder | 0.00 | 8289 | Outside | 3440.00 | |
| Perforations | 2.00 | | | 3442.00 | |
| Bullnose | 3.00 | | | 3445.00 | 6.00 Bottom Packers & Anchor |
| Total Tool Length: | 27.00 | | | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brinker Enterprises LLC

16-10s-15w Osborne KS

216 S. Marshall St.
Glen Elder KS 67446

ChesneyHitschman16-1

Job Ticket: 47292

DST#: 4

ATTN: Richard Bell

Test Start: 2012.05.18 @ 13:54:49

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

22000 ppm

Viscosity: 30.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 60000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|----------------------|---------------|
| 1080.00 | Muddy Water-95%W-5%M | 14.020 |

Total Length: 1080.00 ft Total Volume: 14.020 bbl

Num Fluid Samples: 0

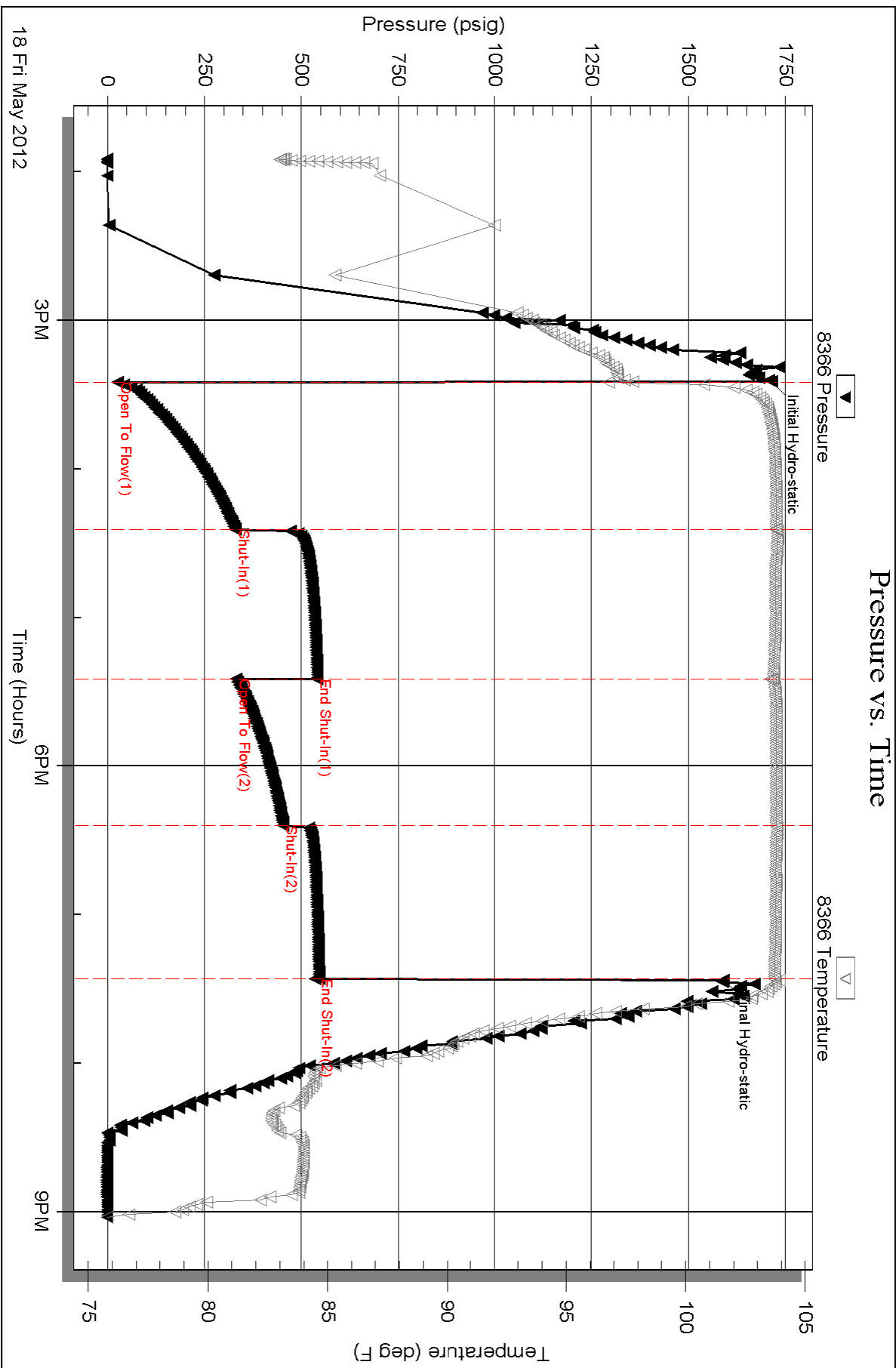
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

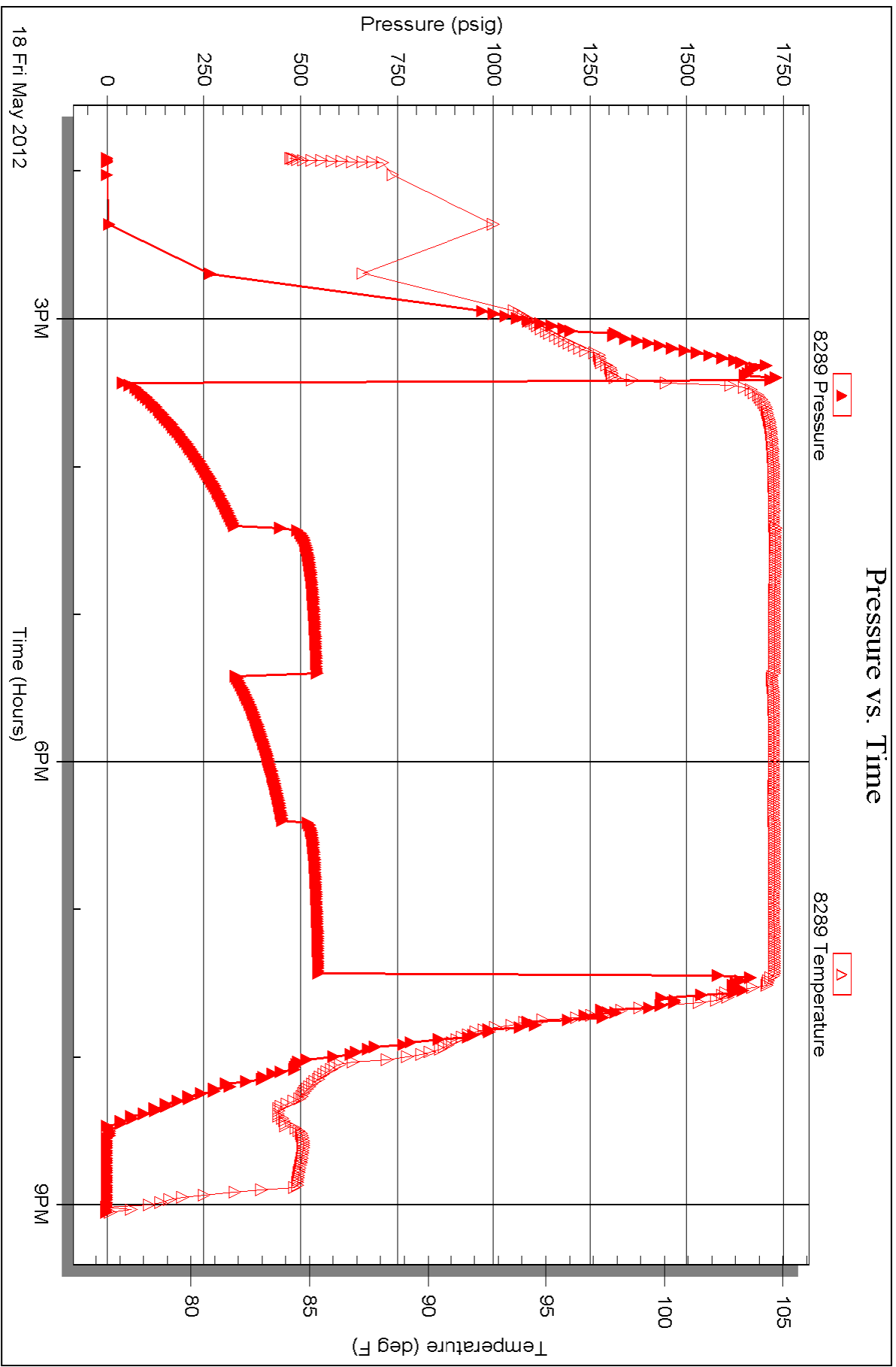


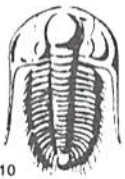
Serial #: 8289

Outside Brinker Enterprises LLC

ChesneyHilschman 16-1

DST Test Number: 4





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47179

Well Name & No. Brinker Enterprises LLC Test No. 1 Date 5-16-12
 Company Chesney Hirschman #16-1 Elevation 1841 KB 1837 GL
 Address 216 S. Marshall ST. Glen Elder KS, 67446
 Co. Rep / Geo. Rich Bell Rig WW6
 Location: Sec. 16 Twp. 10s Rge. 15w Co. osborne State KS

Interval Tested 2797-2815 Zone Tested Topeka
 Anchor Length 18' Drill Pipe Run 2680 Mud Wt. 9.5
 Top Packer Depth 2792 Drill Collars Run 124 Vis 30
 Bottom Packer Depth 2797 Wt. Pipe Run — WL NC
 Total Depth 2815 Chlorides 60,000 ppm System LCM —

Blow Description IF- 1/8" blow, died in 16 Min.
ISI- No blow back
FF- No blow back
FSI- No blow back

| Rec | Feet of | %gas | %oil | %water | %mud |
|----------|---------------------|------|------|------------|------|
| <u>5</u> | <u>Mud-oil scum</u> | | | <u>100</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 5 BHT 91° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1334 Test 1150 T-On Location 6:53 am
 (B) First Initial Flow 9 Jars T-Started 7:31 am
 (C) First Final Flow 12 Safety Joint T-Open 8:42 am
 (D) Initial Shut-In 640 Circ Sub T-Pulled 10:42 am
 (E) Second Initial Flow 42 Hourly Standby T-Out 11:46 am
 (F) Second Final Flow 14 Mileage 51 X 2 158.10 Comments
 (G) Final Shut-In 650 Sampler
 (H) Final Hydrostatic 1296 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Initial Open 30 Extra Recorder Sub Total 0
 Initial Shut-In 30 Day Standby Total 1308.10
 Final Flow 30 Accessibility MP/DST Disc't
 Final Shut-In 30 Sub Total 1308.1

Approved By _____ Our Representative Cody Blake

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



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47180

Well Name & No. Brinker Enterprises Test No. 2 Date 5-17-12
 Company Chesney Hitschen #16-1 Elevation 1841 KB 1837 GL
 Address 216 S. Marshall ST. Glen Elder KS, 67446
 Co. Rep / Geo. Richard Bell Rig WW6
 Location: Sec. 16 Twp. 10S Rge. 15W Co. Osborne State KS

Interval Tested 3043 - 3048 Zone Tested Toronto
 Anchor Length 35 Drill Pipe Run 2897 Mud Wt. 9.5
 Top Packer Depth 3098 Drill Collars Run 124 Vis 30
 Bottom Packer Depth 3043 Wt. Pipe Run — WL NC
 Total Depth 3048 Chlorides 60,000 ppm System LCM —

Blow Description IF - 1/4" blow
ISI - No blow back
FF - No blow back
FSI - No blow back

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|---------------------|------|------|------------|------|
| <u>15</u> | <u>Mud-oil seum</u> | | | <u>100</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 15' BHT 940 Gravity — API RW — @ — °F Chlorides — ppm

| | | |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>1472</u> | <input checked="" type="checkbox"/> Test <u>1150</u> | T-On Location <u>12:17am</u> |
| (B) First Initial Flow <u>11</u> | <input type="checkbox"/> Jars | T-Started <u>12:41am</u> |
| (C) First Final Flow <u>17</u> | <input type="checkbox"/> Safety Joint | T-Open <u>1:45am</u> |
| (D) Initial Shut-In <u>850</u> | <input type="checkbox"/> Circ Sub | T-Pulled <u>3:45am</u> |
| (E) Second Initial Flow <u>34</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>4:48am</u> |
| (F) Second Final Flow <u>23</u> | <input checked="" type="checkbox"/> Mileage <u>5182</u> 158.10 | Comments |
| (G) Final Shut-In <u>758</u> | <input type="checkbox"/> Sampler | |
| (H) Final Hydrostatic <u>1462</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>30</u> | <input type="checkbox"/> Extra Recorder | Sub Total <u>0</u> |
| Final Shut-In <u>30</u> | <input type="checkbox"/> Day Standby | Total <u>1308.10</u> |
| | <input type="checkbox"/> Accessibility | MP/DST Disc't |
| | Sub Total <u>1308.10</u> | |

Approved By _____ Our Representative Cody Bell

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



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47291

4/10

Well Name & No. Chesney - Hitschman 16-1 Test No. 3 Date 5-17-12
 Company Brinker Enterprises, LLC Elevation 1841 KB 1837 GL
 Address 216 S. Marshall St., Glen Elder, KS. 67446
 Co. Rep / Geo. Richard Bell Rig WW #6
 Location: Sec. 16 Twp. 10s Rge. 15w Co. Osborne State KS

Interval Tested 3190-3326 Zone Tested H I J K L
 Anchor Length 136' Drill Pipe Run 3050 Mud Wt. 9.0
 Top Packer Depth 3185 Drill Collars Run 124 Vis 57
 Bottom Packer Depth 3190 Wt. Pipe Run 0 WL 6.8
 Total Depth 3326 Chlorides 3,800 ppm System LCM 2#
 Blow Description IFP - Weak Blow, Died in 5 min.
ISI - Dead
FFP - Dead
FSI - Dead

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|--------------------------|----------|------|-----------|------|
| <u>10</u> | <u>Very Slightly OCM</u> | <u>2</u> | | <u>98</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 10 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

| | | |
|-------------------------------------|---|--|
| (A) Initial Hydrostatic <u>1654</u> | <input checked="" type="checkbox"/> Test 1150 | T-On Location <u>22:39</u> |
| (B) First Initial Flow <u>64</u> | <input type="checkbox"/> Jars _____ | T-Started <u>23:43</u> |
| (C) First Final Flow <u>73</u> | <input type="checkbox"/> Safety Joint _____ | T-Open <u>1:03</u> |
| (D) Initial Shut-In <u>550</u> | <input type="checkbox"/> Circ Sub _____ | T-Pulled <u>3:03</u> |
| (E) Second Initial Flow <u>78</u> | <input type="checkbox"/> Hourly Standby _____ | T-Out <u>4:33</u> |
| (F) Second Final Flow <u>79</u> | <input checked="" type="checkbox"/> Mileage <u>158.10</u> | Comments _____ |
| (G) Final Shut-In <u>317</u> | <input type="checkbox"/> Sampler _____ | |
| (H) Final Hydrostatic <u>1570</u> | <input type="checkbox"/> Straddle _____ | <input type="checkbox"/> Ruined Shale Packer _____ |
| | <input type="checkbox"/> Shale Packer _____ | <input type="checkbox"/> Ruined Packer _____ |
| Initial Open <u>30</u> | <input type="checkbox"/> Extra Packer _____ | <input type="checkbox"/> Extra Copies _____ |
| Initial Shut-In <u>30</u> | <input type="checkbox"/> Extra Recorder _____ | Sub Total <u>0</u> |
| Final Flow <u>30</u> | <input type="checkbox"/> Day Standby _____ | Total <u>1308.10</u> |
| Final Shut-In <u>30</u> | <input type="checkbox"/> Accessibility _____ | MP/DST Disc't _____ |
| | Sub Total <u>1308.10</u> | |

Approved By _____ Our Representative Jason Mc Lamon Thank You

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



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47292

Well Name & No. Chesney-Hitschman 16-1 Test No. 4 Date 5-18-12
 Company Brinker Enterprises, LLC Elevation 1841 KB 1837 GL
 Address 216 S. Marshal Street, Colen Elder, KS. 67446
 Co. Rep / Geo. Richard Bell Rig WW #6
 Location: Sec. 16 Twp. 10s Rge. 15w Co. Osborne State KS

Interval Tested 3439-3445 Zone Tested ~~Shale~~ Conglomerate Sand
 Anchor Length 6' Drill Pipe Run 3300 Mud Wt. 9.0
 Top Packer Depth 3434 Drill Collars Run 124 Vis 57
 Bottom Packer Depth 3439 Wt. Pipe Run 0 WL 6.8
 Total Depth 3445 Chlorides 3800 ppm System LCM 2#
 Blow Description IFP- strong, BOB in 5 min.
TSI- Dead
FFP- Good Blow, BOB in 12 min
FSI- Dead

| Rec | Feet of | %gas | %oil | %water | %mud |
|-------------|--------------------------|------|-----------|----------|------|
| <u>1080</u> | <u>Muddy Water</u> | | <u>95</u> | <u>5</u> | |
| | <u>(Oil Scum on Top)</u> | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Rec Total 1080 BHT _____ Gravity _____ API RW 232 @ 91 °F Chlorides 22,000 ppm

(A) Initial Hydrostatic _____ Test 1150 _____ T-On Location 13:43
 (B) First Initial Flow _____ Jars _____ T-Started 13:52
 (C) First Final Flow _____ Safety Joint _____ T-Open 15:25
 (D) Initial Shut-In _____ Circ Sub _____ T-Pulled 19:25
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out 21:01
 (F) Second Final Flow _____ Mileage 158.10 _____ Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic _____ Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1308.10
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1308.10

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

Our Representative

Jason McLean Thank You

ALLIED OIL & GAS SERVICES, LLC 056414

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Russell KS

| | | | | | | | |
|--------------------------------------|----------------|------------------|--------------------|------------|-------------------------------------|--------------------------|---------------------------|
| DATE <u>5-19-12</u> | SEC. <u>16</u> | TWP. <u>10 S</u> | RANGE <u>15 W</u> | CALLED OUT | ON LOCATION | JOB START <u>3:00 AM</u> | JOB FINISH <u>3:30 PM</u> |
| LEASE <u>CHESNEY & HITCHMANN</u> | | | WELL # <u>16-1</u> | | LOCATION <u>Natoma Co. 2E 1/2 N</u> | COUNTY <u>OSBORN</u> | STATE <u>KS</u> |
| OLD OR NEW (Circle one) <u>NEW</u> | | | | | | | |

CONTRACTOR W. & D. Davis Ry # 6

TYPE OF JOB Plug

HOLE SIZE 7 7/8 T.D. 3600'

CASING SIZE 3 5/8 DEPTH 230'

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 F-H DEPTH 1060'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER _____

CEMENT AMOUNT ORDERED 205 SA 40 4830L
1/4 # 10 5000 100 SA

COMMON 123 SA @ _____

POZMIX 82 SA @ _____

GEL 9 SA @ _____

CHLORIDE @ _____

ASC @ _____

10 5000 52/100 @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING @ _____

MILEAGE _____

EQUIPMENT

PUMP TRUCK # 417 CEMENTER Robert G.
HELPER Woody G.

BULK TRUCK # 481 DRIVER Cody H.

BULK TRUCK # _____ DRIVER _____

REMARKS:

25 SA @ 1060'
100 SA @ 590'
40 SA @ 220'
10 SA @ 40' wiper plug
30 SA @ Rathole

TOTAL _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE @ _____

MILEAGE @ _____

MANIFOLD @ _____

_____ @ _____

_____ @ _____

CHARGE TO: BRINKER ENTERPRISES LLC.

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

2 5/8 wiper plug

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

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 _____

SIGNATURE [Signature]

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

Pfeifer Dozer Service

Leon and Randall Pfeifer
Phone: (785) 627-5711
Home: (785) 627-4035
(785) 421-6299

217 Saint Peter St.
Morland, KS 67650

Work Order #: _____
Date: 5-19-12
Customer Name: Briker Enterprise
Address: _____

Lease: Chesney - Hitchman #16-1 OB

| Hours/Quantity | Description | Price | Amount |
|----------------|--------------------------|------------------|-------------------|
| 8 | Water Truck | 90 ⁰⁰ | 720 ⁰⁰ |
| | Hauled 6-8000L loads | | |
| | Fluid off Reserve P.P to | | |
| | SWD | | |
| | RL Inv. | | |
| | Pfeifer #7 | | |
| | Graham County | | |
| | Sec 25-105-25w | | |
| | Permit # D-30922 | | |
| | | Amount | |
| | | Sales Tax | |
| | | Total | 720 ⁰⁰ |

Work Completed By: _____

API # 15-141-20444-00-00

GEOLOGICAL REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY Brinker Enterprises, LLC
LEASE Chesney Hirschmann #16-1
FIELD Wildcat
LOCATION 130 ENL + 2201' Full
SEC 16 TWP 10S RGE 15W
COUNTY Osborne STATE Kansas

ELEVATION

KB 1841'
DF 1839'
GL 1836'
Depths Measured From
Log KB Drilling KB

CASING
Surface 858' @ 232'
Production None

ELECTRIC LOGS
Superior Well Services

CONTRACTOR WW Drilling Rig #6
SPUD 5-12-12 COMP 5-19-12
SAMPLES SAVED FROM 2740' TO R.I.D.

FORMATION TOPS AND STRUCTURAL POSITION

| FORMATION | SAMPLE | E. LOG | DATUM | A | B | C | D |
|------------------|--------|--------|-------|---------|------|---|---|
| Anhydrite | 1046 | 1044 + | 797 | -0- | -0- | | |
| Base Anhydrite | 1079 | 1077 + | 764 | +807 + | 807 | | |
| Topeka | 2774 | 2772 - | 931 | -924 - | 926 | | |
| Heebner | 3014 | 3012 - | 1171 | -1164 - | 1166 | | |
| Toronto | 3036 | 3034 - | 1193 | -1188 - | 1189 | | |
| Lansing | 3066 | 3064 - | 1223 | -1217 - | 1217 | | |
| Base Kansas City | 3327 | 3325 - | 1484 | -1478 - | 1480 | | |
| Conglomerate | 3438 | 3436 - | 1595 | -1582 - | 1582 | | |
| Total Depth | 3600 | 3600 - | 1759 | -1717 - | 1646 | | |

REFERENCE WELLS

- ^a Castle Resources Inc, File #1, C/SE NW NW Sec. 10S-15W
- ^b Castle Resources Inc, File #1, C/SE NW NW Sec. 10S-15W
- ^c Castle Resources Inc, File #1, C-SE NW Sec. 16-10S-15W

LEGEND

| | |
|--|-----------|
| | Anhydrite |
| | Salt |
| | Sandstone |
| | Shale |
| | Carb sh |
| | Limestone |
| | Col. Lime |
| | Chert |
| | Dolomite |

DRILLING TIME IN MINUTES
PER FOOT
Rate of Penetration Decreases

5" 10" 15" 20" 25"

DEPTH

LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

This well ran wet lower on the casing top than the reference wells. Due to the low structural position and unfavorable data obtained on this well, it was decided this well should be plugged and abandoned.

Richard G. Gill
5/19/12