



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

| | | |
|-----------------------------------|-----------------|---|
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |
|-----------------------------------|-----------------|---|

API No. 15 - _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

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



1077065

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

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

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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

| 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 | | | | |
| | | | | |

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

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

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

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

| | | |
|--|---|---|
| DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Commingled <i>(Submit ACO-4)</i> | PRODUCTION INTERVAL: _____ _____ |
|--|---|---|

| | |
|-----------|------------------------|
| Form | ACO1 - Well Completion |
| Operator | Cobalt Energy LLC |
| Well Name | Hobbs 'A' 1-18 |
| Doc ID | 1077065 |

All Electric Logs Run

| |
|-----------------|
| |
| Dual-Induction |
| Neutron-Density |
| Microlog |
| Cement bond log |



COBALT ENERGY
OIL & NATURAL GAS

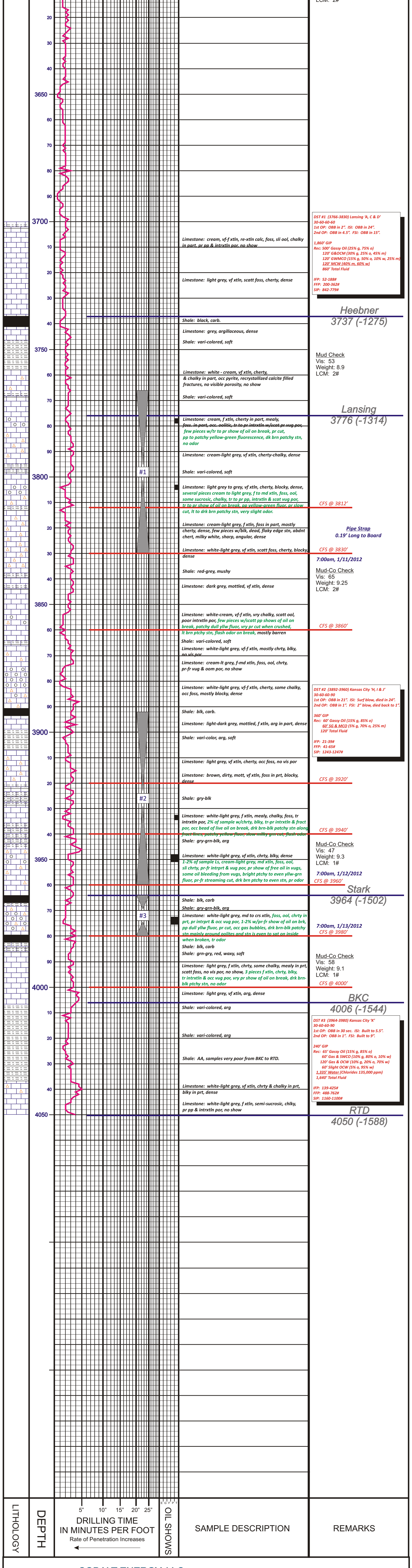
GEOLOGIST'S REPORT
DRILL TIME &
SAMPLE LOG

| | | | |
|-----------------------------|----------------------|------------------------|-----------------------------|
| COMPANY | COBALT ENERGY, LLC | ELEVATIONS | KB 2462' |
| LEASE | Hobbs 'A' #1-18 | FIELD | Whitetail |
| LOCATION | 990' FNL & 1980' FEL | SEC | 18 TWP 10S RGE 24W |
| COUNTY | Graham STATE Kansas | CONTRACTOR | VA Energy, Rig #6 |
| SPUD | 1/06/11 COMP 1/14/12 | RTD | 4/06/11 TYPE MUD 4049' |
| MUD UP | 3/30/11 | CONDUCTOR | NA |
| SAMPLES SAVED FROM | 3600' to RTD | Production | 5 1/2" @ 4042' |
| DRILLING TIME KEPT FROM | 3600' to RTD | Electrical Surveys | Compensated Neutron-Density |
| SAMPLES EXAMINED FROM | 3600' to RTD | Geological Supervision | FROM 3270' to RTD |
| GEOLOGICAL SUPERVISION FROM | 3270' to RTD | Geologist on Well | Corey N. Baker |
| FORMATION TOPS | ELECTRIC LOG | SAMPLE | |
| Anhydrite | 2098 (+364) | Heebner | 2129 (+333) |
| Base of Anhydrite | 2126 (+336) | Lansing | 3776 (-1314) |
| Heebner | 3734 (-1272) | Stark | 3964 (-1502) |
| Lansing | 3772 (-1310) | BKC | 4006 (-1544) |
| BKC | 3997 (-1537) | RTD | 4050 (-1588) |
| RTD | 4049 (-1587) | | |

REMARKS Based on the results of DST #1 & 2, samples and log analysis, it was decided to set production casing to further test the potential of the Hobbs 'A' #1-18 through perforations.

Respectfully Submitted,
Corey Baker
Petroleum Geologist

API #15-065-23798-00-00



| | | | |
|----------|--|-----------|----------|
| Company | COBALT ENERGY, LLC | Elevation | 2462' KB |
| Lease | Hobbs 'A' #1-18 | | |
| Location | 990' FNL & 1980' FEL SEC. 18 TWP 10S RGE 24W | | |
| County | Graham State Kansas | | |

| LITHOLOGY | DEPTH | DRILLING TIME IN MINUTES PER FOOT | OIL SHOWS | SAMPLE DESCRIPTION | REMARKS |
|---|-------|-----------------------------------|-----------|--------------------|--|
| Anhydrite | 2098 | | | | Anhydrite 2098 (+364) |
| Base of Anhydrite | 2126 | | | | Base of Anhydrite 2129 (+333) |
| Heebner | 3734 | | | | 1/9/2012, 8:15pm Geologist on location @ 3270' |
| Lansing | 3772 | | | | 7:00am, 1/10/2012 Mud-Co Check Vis: 51 Weight: 8.9 LCM: 28 |
| BKC | 3997 | | | | |
| RTD | 4049 | | | | |
| Limestone: cream, v.f stn, re-stn calc, foss, sil ool, chaly in part, pr pp & intraxn por, no show | | | | | |
| Limestone: light grey, v.f stn, scott foss, cherty, dense | | | | | |
| Shale: black, carb. | | | | | Heebner 3737 (-1275) |
| Limestone: grey, argillaceous, dense | | | | | |
| Shale: var-colored, soft | | | | | |
| Limestone: white - cream, v.f stn, cherty & chaly in part, occ pyrite, recrystallized calcite filled fractures, no visible porosity, no show | | | | | |
| Shale: var-colored, soft | | | | | |
| Limestone: cream-light grey, v.f stn, cherty-chaly, dense | | | | | |
| Shale: var-colored, soft | | | | | |
| Limestone: light grey to grey, v.f stn, cherty, blocky, dense, several pieces cream to light grey, f to mid stn, foss, ool, some succroic, chaly, tr to pr pp, intraxn & scot vulg por, pr pp & intraxn cut, dk brn-blk patchy stn, no odor | | | | | |
| Limestone: cream-light grey, f stn, foss in part, mostly cherty, dense, few pieces w/blk, dkst, blk, edge stn, slight chert, milky white, sharp, angular, dense | | | | | |
| Limestone: white-light grey, v.f stn, scott foss, cherty, blocky, dense | | | | | |
| Shale: red-grey, mushy | | | | | |
| Limestone: dark grey, mottled, v.f stn, dense | | | | | |
| Limestone: white-cream, v.f stn, vry chaly, scott ool, poor intraxn por, few pieces w/scott pp shows of oil on break, patchy dk fluv floor, no gas when crushed, tr brn pitchy stn, flash odor on break, mostly barren | | | | | |
| Shale: var-colored, soft | | | | | |
| Limestone: white-light grey, v.f stn, mostly cherty, blk, argillaceous | | | | | |
| Limestone: cream-lt grey, f-mid stn, foss, ool, chrt, pr fr vulg & oom por, no show | | | | | |
| Limestone: white-light grey, v.f stn, cherty, some chaly, occ foss, mostly blocky, dense | | | | | |
| Shale: blk, carb. | | | | | |
| Limestone: light-dark grey, mottled, f stn, arg in part, dense | | | | | |
| Shale: var-color, arg, soft | | | | | |
| Limestone: light grey, v.f stn, cherty, occ foss, no vis por | | | | | |
| Limestone: brown, dlty, mott, v.f stn, foss in prt, blocky, dense | | | | | |
| Shale: gry-blk | | | | | |
| Limestone: white-light grey, f stn, mealy, chaly, foss, tr lenticles por, 2% of sample w/chty, blk, tr-pit intraxn & fract por, occ bead of live oil on break, dk brn-blk patchy stn along face, dk brown-yellow flow, slow milky green flow, colorless, occ. f to dk brn patchy stn, vry slight odor | | | | | |
| Shale: gry-grn-blk, arg | | | | | |
| Limestone: white-light grey, v.f stn, chrt, blk, dense 1-2% of sample ls, cream-light grey, mid stn, foss, ool, v.f chrt, pr fr intraxn & vulg por, pr show of free oil in vugs, some oil bleeding from vugs, bright patchy to even yellow-grn floor, pr fr streaming cut, dk brn pitchy to even stn, pr odor | | | | | |
| Shale: blk, carb | | | | | |
| Shale: gry-grn-blk, arg | | | | | |
| Limestone: white-light grey, v.f stn, chrt, blk, dense 1-2% of sample ls, cream-light grey, mid stn, foss, ool, v.f chrt, pr fr intraxn & vulg por, pr show of free oil in vugs, some oil bleeding from vugs, bright patchy to even yellow-grn floor, pr fr streaming cut, dk brn pitchy to even stn, pr odor | | | | | |
| Shale: blk, carb | | | | | |
| Shale: gry-gry, red, waxy, soft | | | | | |
| Limestone: light grey, f stn, chrt, some chaly, mealy in prt, scott foss, no vis por, no show, 3 pieces fatn, chrt, blk, tr intraxn & occ vulg por, vry pr show of oil on break, dk brn-blk patchy stn, no odor | | | | | |
| Limestone: var-colored, arg | | | | | |
| Shale: var-colored, arg | | | | | |
| Shale: blk, carb | | | | | |
| Shale: SA, samples very poor from BKC to RTD. | | | | | |
| Limestone: white-light grey, v.f stn, chrt & chaly in prt, blk in prt | | | | | |
| Limestone: white-light grey, f stn, semi-succroic, chly, pr pp & intraxn por, no show | | | | | |

| | | | |
|----------|--|-----------|----------|
| Company | COBALT ENERGY, LLC | Elevation | 2462' KB |
| Lease | Hobbs 'A' #1-18 | | |
| Location | 990' FNL & 1980' FEL SEC. 18 TWP 10S RGE 24W | | |
| County | Graham State Kansas | | |



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita, KS 67208

ATTN: Corey

Hobbs 'A' #1-18

18-10s-24w Graham,KS

Start Date: 2012.01.10 @ 21:00:40

End Date: 2012.01.11 @ 08:33:40

Job Ticket #: 46222 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.01.17 @ 09:05:25



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC
 PO Box 8037
 Wichita, KS 67208
 ATTN: Corey

18-10s-24w Graham, KS
Hobbs 'A' #1-18
 Job Ticket: 46222 **DST#: 1**
 Test Start: 2012.01.10 @ 21:00:40

GENERAL INFORMATION:

Formation: **KC "A-D"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:44:40
 Time Test Ended: 08:33:40
 Interval: **3766.00 ft (KB) To 3830.00 ft (KB) (TVD)**
 Total Depth: 3830.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 2462.00 ft (KB)
 2452.00 ft (CF)
 KB to GR/CF: 10.00 ft

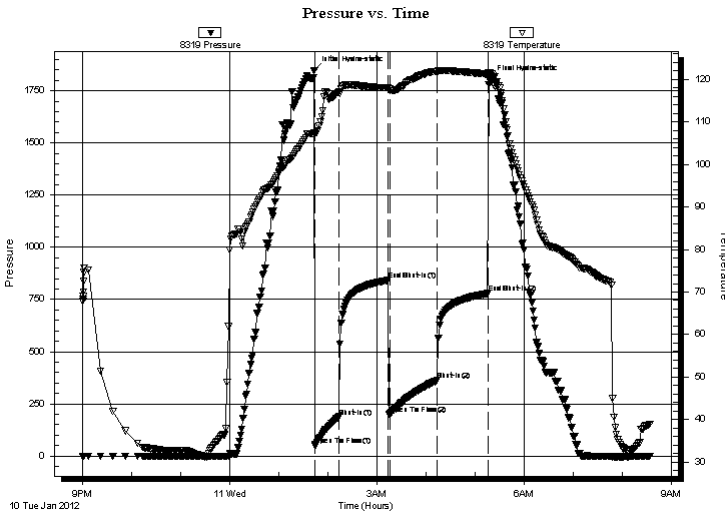
Serial #: 8319

Outside

Press @ Run Depth: 362.49 psig @ 3767.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.01.10 End Date: 2012.01.11 Last Calib.: 2012.01.11
 Start Time: 21:00:45 End Time: 08:33:40 Time On Btm: 2012.01.11 @ 01:43:40
 Time Off Btm: 2012.01.11 @ 05:17:40

TEST COMMENT: IF-BOB in 2 min
 ISI-BOB in 24 min
 FF-BOB in 4.5 min
 FSI-BOB in 15 min

PRESSURE SUMMARY



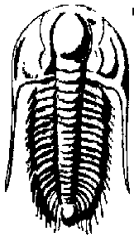
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1848.26 | 107.54 | Initial Hydro-static |
| 1 | 52.23 | 107.20 | Open To Flow (1) |
| 30 | 188.42 | 117.18 | Shut-In(1) |
| 91 | 842.18 | 118.03 | End Shut-In(1) |
| 92 | 199.53 | 117.65 | Open To Flow (2) |
| 150 | 362.49 | 121.91 | Shut-In(2) |
| 212 | 779.16 | 121.23 | End Shut-In(2) |
| 214 | 1803.80 | 121.57 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------------|--------------|
| 500.00 | GO 25%G 75%O | 7.01 |
| 120.00 | GOCM 30%G 25%O 45%M | 1.68 |
| 120.00 | GWMCO 15%G 50%O 10%W 25%M | 1.68 |
| 120.00 | MCW 60%W 40%M | 1.68 |
| 0.00 | 1860 GIP | 0.00 |

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLc

PO Box 8037
Wichita, KS 67208

ATTN: Corey

18-10s-24w Graham,KS

Hobbs 'A' #1-18

Job Ticket: 46222

DST#: 1

Test Start: 2012.01.10 @ 21:00:40

GENERAL INFORMATION:

Formation: **KC "A-D"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:44:40
 Time Test Ended: 08:33:40

Test Type: Conventional Bottom Hole (Initial)
 Tester: Brett Dickinson
 Unit No: 59

Interval: **3766.00 ft (KB) To 3830.00 ft (KB) (TVD)**
 Total Depth: 3830.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2462.00 ft (KB)
 2452.00 ft (CF)
 KB to GR/CF: 10.00 ft

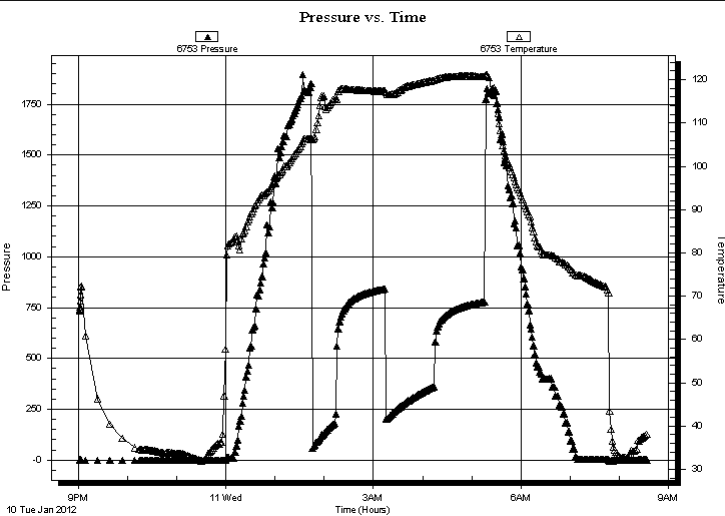
Serial #: 6753

Inside

Press@RunDepth: psig @ 3767.00 ft (KB)
 Start Date: 2012.01.10
 Start Time: 21:01:15
 End Date: 2012.01.11
 End Time: 08:33:40

Capacity: 8000.00 psig
 Last Calib.: 2012.01.11
 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF-BOB in 2 min
 ISI-BOB in 24 min
 FF-BOB in 4.5 min
 FSI-BOB in 15 min



PRESSURE SUMMARY

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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------------|--------------|
| 500.00 | GO 25%G 75%O | 7.01 |
| 120.00 | GOCM 30%G 25%O 45%M | 1.68 |
| 120.00 | GWMCO 15%G 50%O 10%W 25%M | 1.68 |
| 120.00 | MCW 60%W 40%M | 1.68 |
| 0.00 | 1860 GIP | 0.00 |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

18-10s-24w Graham,KS

PO Box 8037
Wichita, KS 67208

Hobbs 'A' #1-18

Job Ticket: 46222

DST#: 1

ATTN: Corey

Test Start: 2012.01.10 @ 21:00:40

Tool Information

| | | | | | |
|---------------------------|--------------------|-----------------------|----------------------|------------------------|-------------|
| Drill Pipe: | Length: 3758.00 ft | Diameter: 3.80 inches | Volume: 52.71 bbl | Tool Weight: | 2000.00 lb |
| Heavy Wt. Pipe: | Length: ft | Diameter: 2.70 inches | Volume: - 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: | 65000.00 lb |
| | | | <u>Total Volume:</u> | Tool Chased | 0.00 ft |
| | | | | String Weight: Initial | 54000.00 lb |
| Drill Pipe Above KB: | 15.00 ft | | | Final | 58000.00 lb |
| Depth to Top Packer: | 3766.00 ft | | | | |
| Depth to Bottom Packer: | ft | | | | |
| Interval between Packers: | 64.00 ft | | | | |
| Tool Length: | 87.00 ft | | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | | |
| Tool Comments: | | | | | |

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 3744.00 | |
| Shut In Tool | 5.00 | | | 3749.00 | |
| Hydraulic tool | 5.00 | | | 3754.00 | |
| Safety Joint | 2.00 | | | 3756.00 | |
| Packer | 5.00 | | | 3761.00 | 23.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3766.00 | |
| Stubb | 1.00 | | | 3767.00 | |
| Recorder | 0.00 | 6753 | Inside | 3767.00 | |
| Recorder | 0.00 | 8319 | Outside | 3767.00 | |
| Perforations | 4.00 | | | 3771.00 | |
| Change Over Sub | 1.00 | | | 3772.00 | |
| Drill Pipe | 32.00 | | | 3804.00 | |
| Change Over Sub | 1.00 | | | 3805.00 | |
| Perforations | 22.00 | | | 3827.00 | |
| Bullnose | 3.00 | | | 3830.00 | 64.00 Bottom Packers & Anchor |

Total Tool Length: 87.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLc
PO Box 8037
Wichita, KS 67208
ATTN: Corey

18-10s-24w Graham,KS
Hobbs 'A' #1-18
Job Ticket: 46222 **DST#: 1**
Test Start: 2012.01.10 @ 21:00:40

Mud and Cushion Information

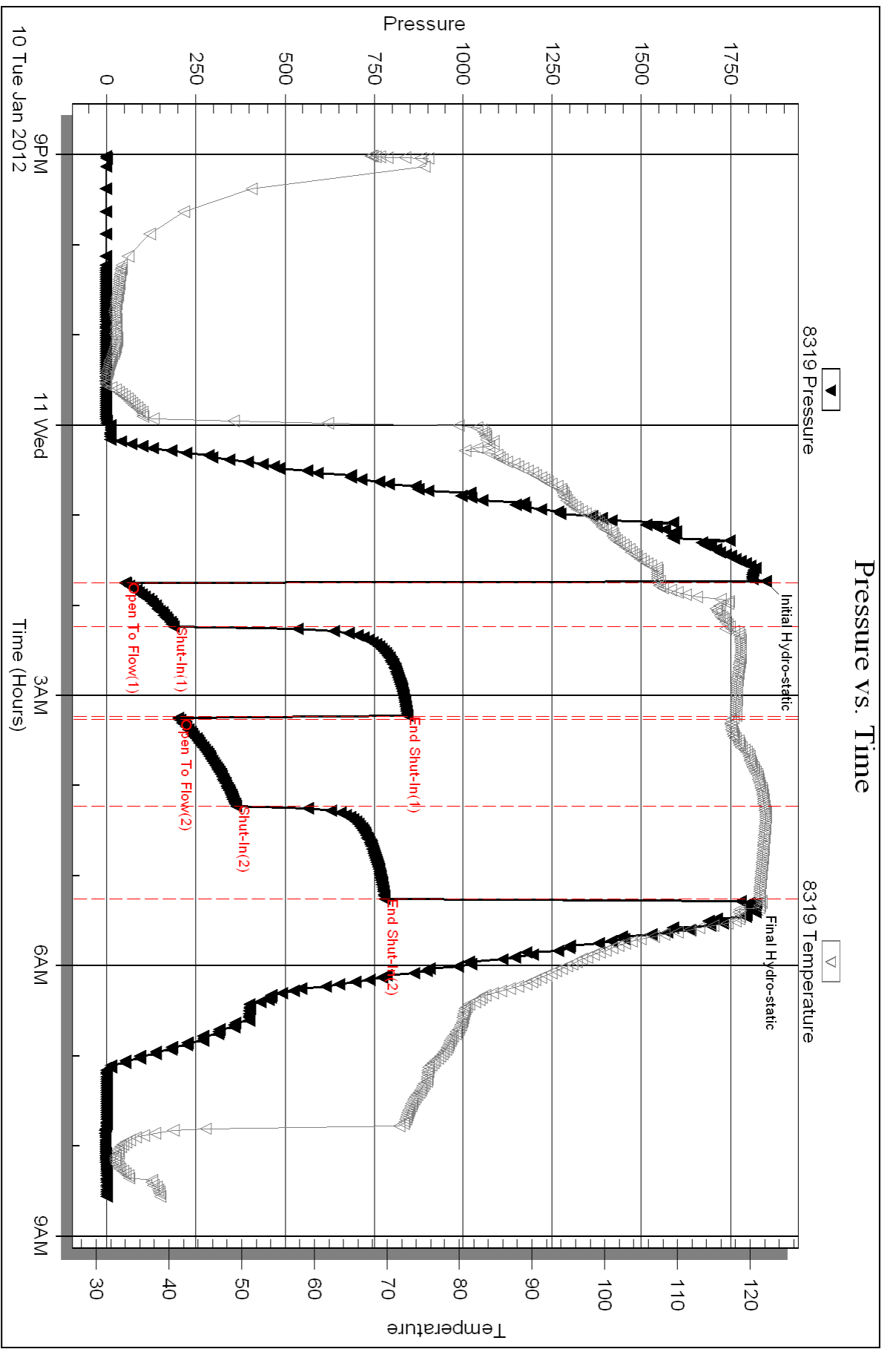
| | | |
|----------------------------------|----------------------------|----------------------------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: 36 deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: 150000 ppm |
| Viscosity: 51.00 sec/qt | Cushion Volume: bbl | |
| Water Loss: 5.59 in ³ | Gas Cushion Type: | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | |
| Salinity: 800.00 ppm | | |
| Filter Cake: inches | | |

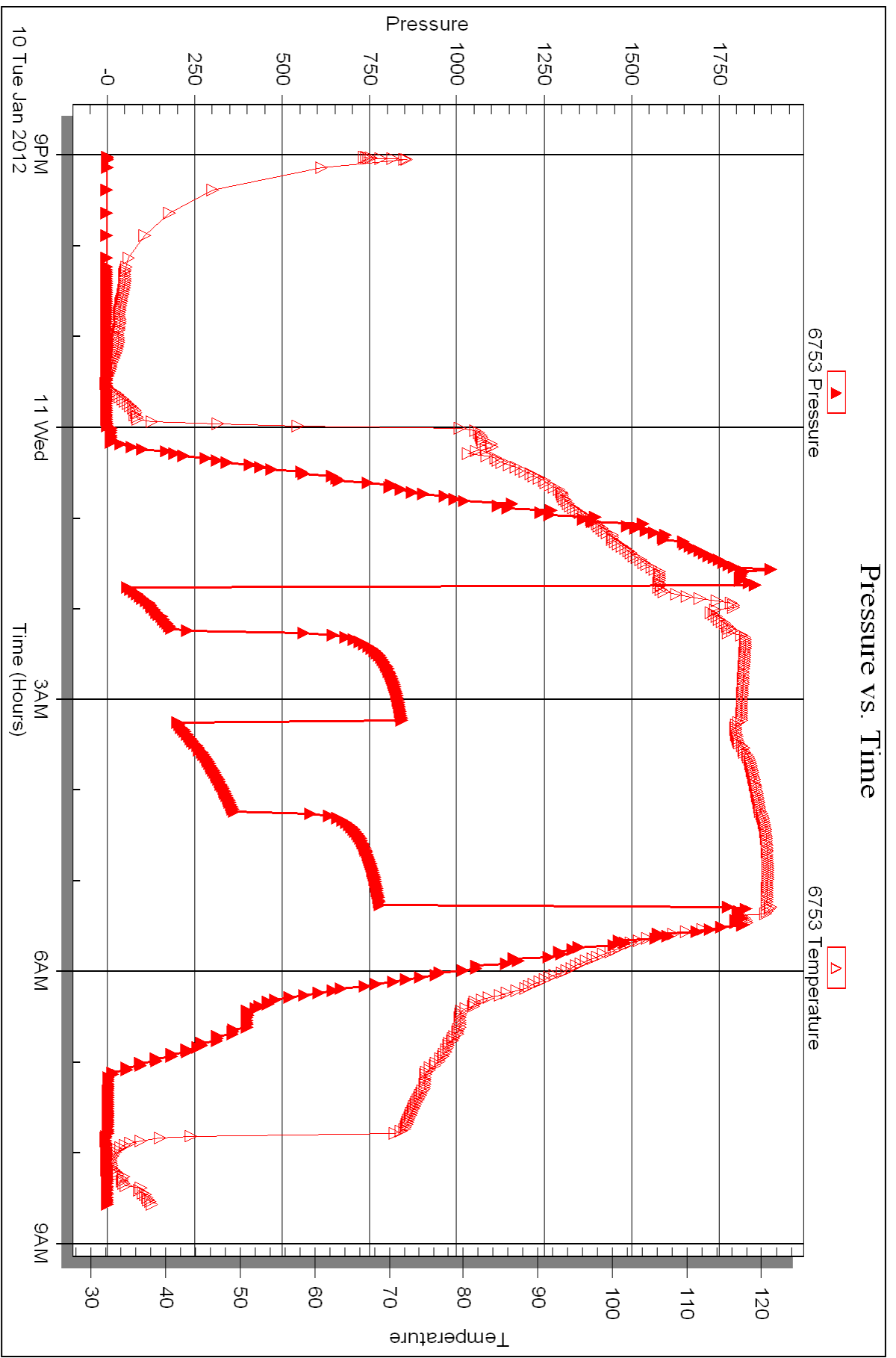
Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------------------|---------------|
| 500.00 | GO 25%G 75%O | 7.014 |
| 120.00 | GOCM 30%G 25%O 45%M | 1.683 |
| 120.00 | GWMCO 15%G 50%O 10%W 25%M | 1.683 |
| 120.00 | MCW 60%W 40%M | 1.683 |
| 0.00 | 1860 GIP | 0.000 |

Total Length: 860.00 ft Total Volume: 12.063 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW .12 @ 35







DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita, KS 67208

ATTN: Corey

Hobbs 'A' #1-18

18-10s-24w Graham,KS

Start Date: 2012.01.12 @ 00:10:10

End Date: 2012.01.12 @ 10:18:40

Job Ticket #: 46223 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.01.17 @ 09:04:02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cobalt Energy LLC
PO Box 8037
Wichita, KS 67208
ATTN: Corey

18-10s-24w Graham, KS
Hobbs 'A' #1-18
Job Ticket: 46223 **DST#: 2**
Test Start: 2012.01.12 @ 00:10:10

GENERAL INFORMATION:

Formation: **KC "H-J"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:48:40
Time Test Ended: 10:18:40
Interval: **3892.00 ft (KB) To 3960.00 ft (KB) (TVD)**
Total Depth: 3960.00 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: 2462.00 ft (KB)
2452.00 ft (CF)
KB to GR/CF: 10.00 ft

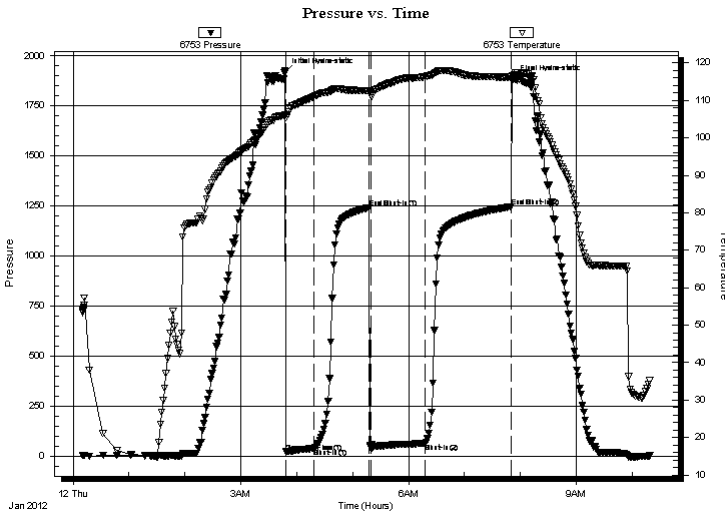
Serial #: 6753

Inside

Press @ Run Depth: 65.33 psig @ 3893.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.01.12 End Date: 2012.01.12 Last Calib.: 2012.01.12
Start Time: 00:10:15 End Time: 10:18:40 Time On Btm: 2012.01.12 @ 03:46:40
Time Off Btm: 2012.01.12 @ 07:51:40

TEST COMMENT: IF-BOB in 21 min
ISI-Weak surface blow died in 24 min
FF-BOB in 1 min
FSI-2" blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1914.83 | 105.90 | Initial Hydro-static |
| 2 | 21.27 | 105.32 | Open To Flow (1) |
| 32 | 38.56 | 110.95 | Shut-In(1) |
| 91 | 1242.66 | 112.56 | End Shut-In(1) |
| 93 | 41.14 | 111.42 | Open To Flow (2) |
| 152 | 65.33 | 116.35 | Shut-In(2) |
| 244 | 1246.56 | 116.19 | End Shut-In(2) |
| 245 | 1881.40 | 116.44 | Final Hydro-static |

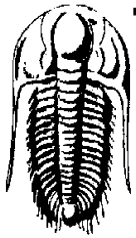
Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------|--------------|
| 60.00 | GO 15%G 85%O | 0.84 |
| 60.00 | SGMCO 5%G 25%M 70%O | 0.84 |
| 0.00 | 360' GIP | 0.00 |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cobalt Energy LLC

PO Box 8037
Wichita, KS 67208

ATTN: Corey

18-10s-24w Graham, KS

Hobbs 'A' #1-18

Job Ticket: 46223

DST#: 2

Test Start: 2012.01.12 @ 00:10:10

GENERAL INFORMATION:

| | | | | | |
|-------------------|---|----------------------|--|-----------------------|----------------------------------|
| Formation: | KC "H-J" | | | Test Type: | Conventional Bottom Hole (Reset) |
| Deviated: | No Whipstock: | ft (KB) | | Tester: | Brett Dickinson |
| Time Tool Opened: | 03:48:40 | | | Unit No: | 59 |
| Time Test Ended: | 10:18:40 | | | Reference Elevations: | 2462.00 ft (KB) |
| Interval: | 3892.00 ft (KB) To 3960.00 ft (KB) (TVD) | | | | 2452.00 ft (CF) |
| Total Depth: | 3960.00 ft (KB) (TVD) | | | KB to GR/CF: | 10.00 ft |
| Hole Diameter: | 7.88 inches | Hole Condition: Fair | | | |

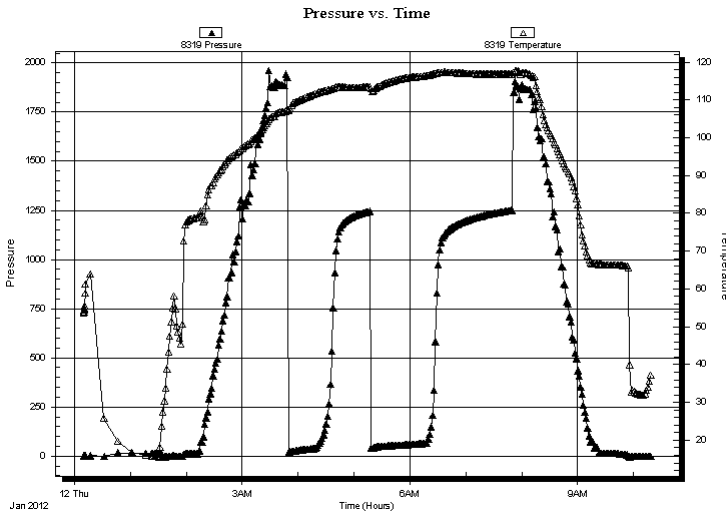
Serial #: 8319

Outside

| | | | |
|-----------------|------------------------|---------------|--------------|
| Press@RunDepth: | psig @ 3893.00 ft (KB) | Capacity: | 8000.00 psig |
| Start Date: | 2012.01.12 | End Date: | 2012.01.12 |
| Start Time: | 00:09:45 | End Time: | 10:18:10 |
| | | Last Calib.: | 2012.01.12 |
| | | Time On Btm: | |
| | | Time Off Btm: | |

TEST COMMENT: IF-BOB in 21 min
 ISI-Weak surface blow died in 24 min
 FF-BOB in 1 min
 FS-2" blow back

PRESSURE SUMMARY



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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------|--------------|
| 60.00 | GO 15%G 85%O | 0.84 |
| 60.00 | SGMCO 5%G 25%M 70%O | 0.84 |
| 0.00 | 360' GIP | 0.00 |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

18-10s-24w Graham,KS

PO Box 8037
Wichita, KS 67208

Hobbs 'A' #1-18

Job Ticket: 46223

DST#: 2

ATTN: Corey

Test Start: 2012.01.12 @ 00:10:10

Tool Information

| | | | | | |
|---------------------------|--------------------|-----------------------|----------------------|------------------------|-------------|
| Drill Pipe: | Length: 3885.00 ft | Diameter: 3.80 inches | Volume: 54.50 bbl | Tool Weight: | 2000.00 lb |
| Heavy Wt. Pipe: | Length: ft | Diameter: 2.70 inches | Volume: - 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: | 60000.00 lb |
| | | | <u>Total Volume:</u> | Tool Chased | 0.00 ft |
| | | | - bbl | String Weight: Initial | 55000.00 lb |
| Drill Pipe Above KB: | 16.00 ft | | | Final | 55000.00 lb |
| Depth to Top Packer: | 3892.00 ft | | | | |
| Depth to Bottom Packer: | ft | | | | |
| Interval between Packers: | 68.00 ft | | | | |
| Tool Length: | 91.00 ft | | | | |
| Number of Packers: | 2 | Diameter: | 6.75 inches | | |
| Tool Comments: | | | | | |

Tool Description

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

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 3870.00 | |
| Shut In Tool | 5.00 | | | 3875.00 | |
| Hydraulic tool | 5.00 | | | 3880.00 | |
| Safety Joint | 2.00 | | | 3882.00 | |
| Packer | 5.00 | | | 3887.00 | 23.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3892.00 | |
| Stubb | 1.00 | | | 3893.00 | |
| Recorder | 0.00 | 6753 | Inside | 3893.00 | |
| Recorder | 0.00 | 8319 | Outside | 3893.00 | |
| Perforations | 4.00 | | | 3897.00 | |
| Change Over Sub | 1.00 | | | 3898.00 | |
| Drill Pipe | 32.00 | | | 3930.00 | |
| Change Over Sub | 1.00 | | | 3931.00 | |
| Perforations | 26.00 | | | 3957.00 | |
| Bullnose | 3.00 | | | 3960.00 | 68.00 Bottom Packers & Anchor |

Total Tool Length: 91.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLc

18-10s-24w Graham,KS

PO Box 8037
Wichita, KS 67208

Hobbs 'A' #1-18

Job Ticket: 46223

DST#: 2

ATTN: Corey

Test Start: 2012.01.12 @ 00:10:10

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 47.00 sec/qt
Water Loss: 5.99 in³
Resistivity: ohm.m
Salinity: 1600.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 33 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------------|---------------|
| 60.00 | GO 15%G 85%O | 0.842 |
| 60.00 | SGMCO 5%G 25%M 70%O | 0.842 |
| 0.00 | 360' GIP | 0.000 |

Total Length: 120.00 ft Total Volume: 1.684 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

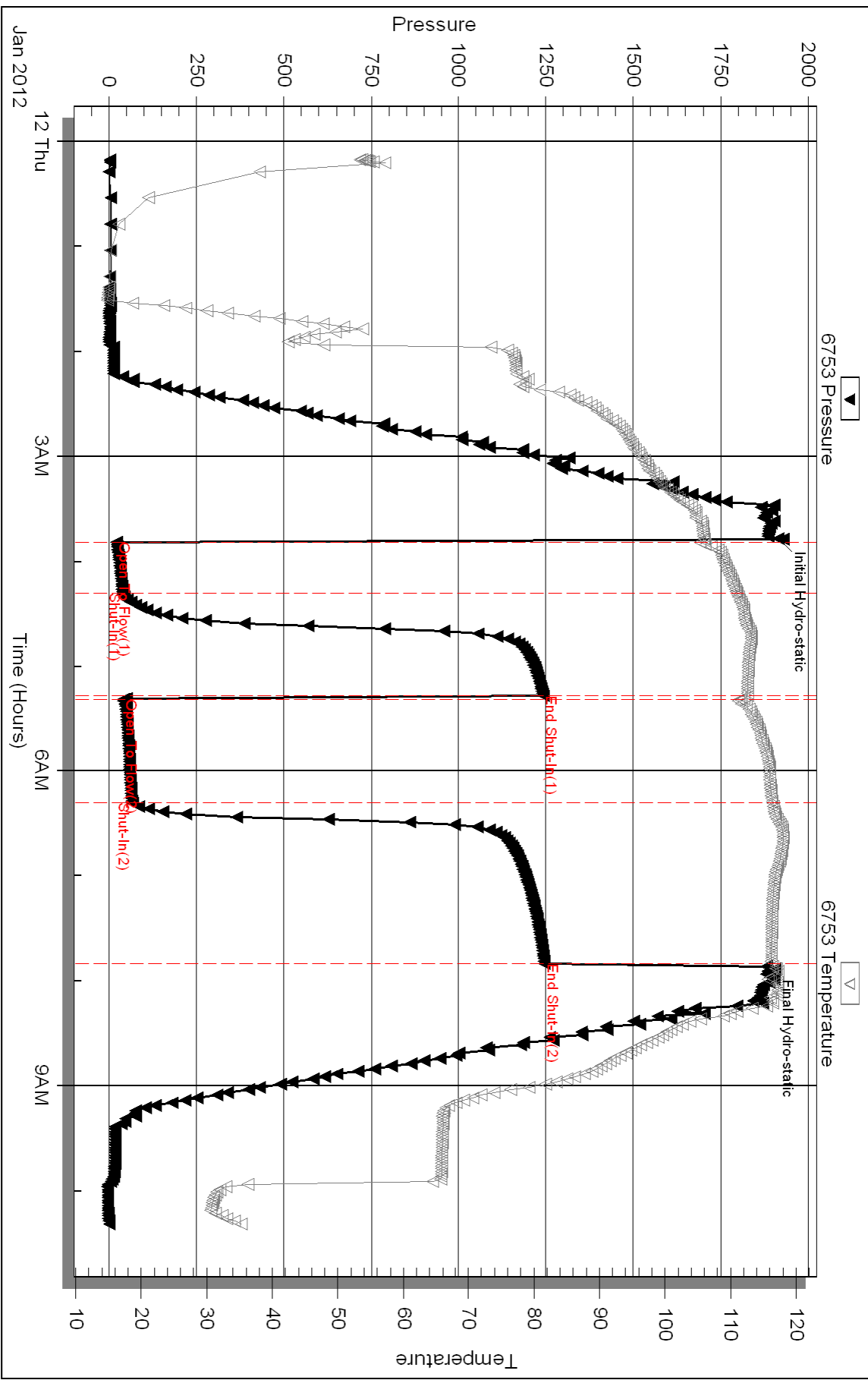
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

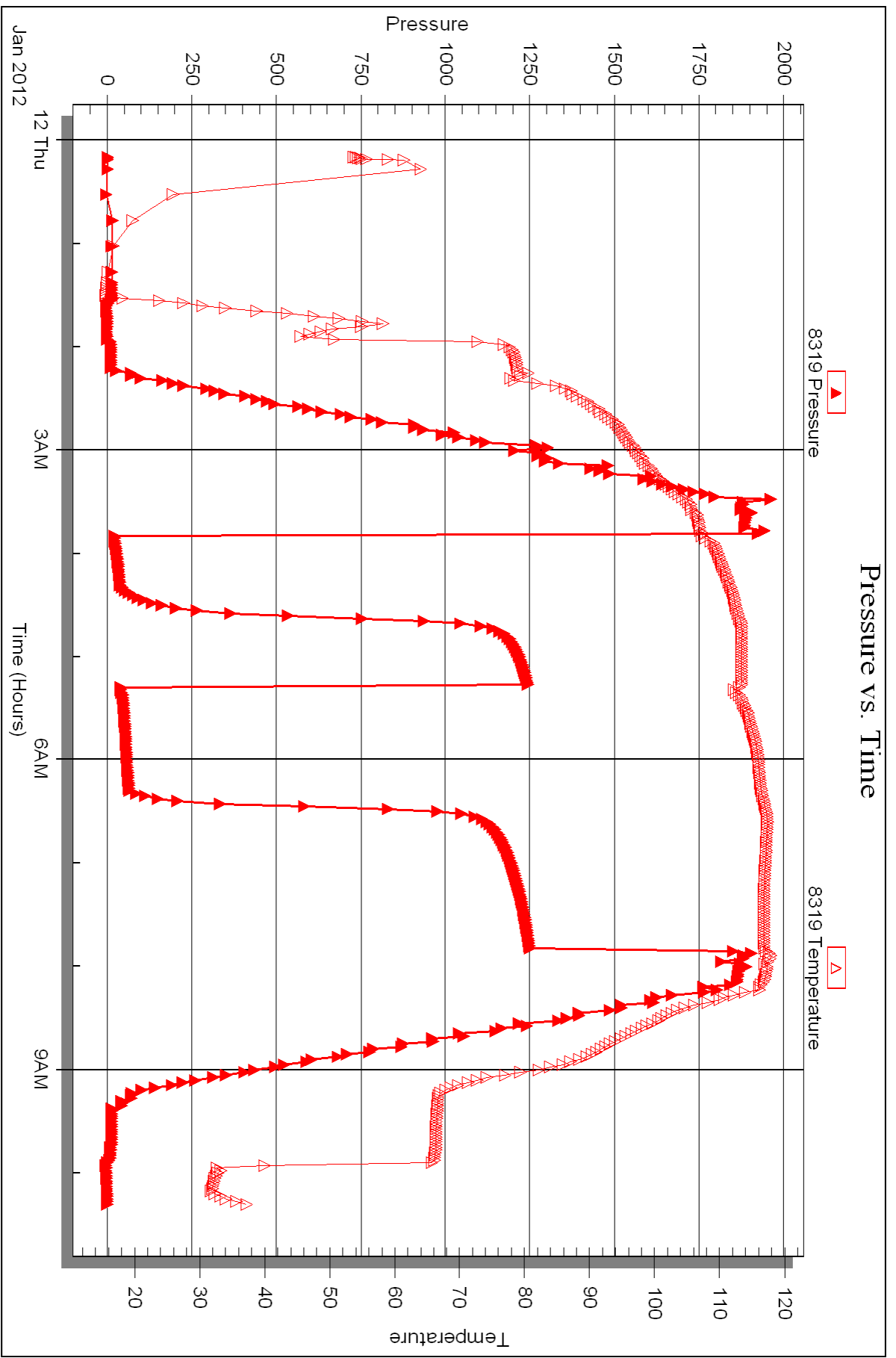


Serial #: 8319

Outside Cobalt Energy LLC

Hobbs 'A' #1-18

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 46223

Printed: 2012.01.17 @ 09:04:04



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita, KS 67208

ATTN: Corey

Hobbs 'A' #1-18

18-10s-24w Graham,KS

Start Date: 2012.01.12 @ 17:10:01

End Date: 2012.01.13 @ 03:01:31

Job Ticket #: 46224 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.01.17 @ 09:03:23



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cobalt Energy LLC
PO Box 8037
Wichita, KS 67208
ATTN: Corey

18-10s-24w Graham, KS
Hobbs 'A' #1-18
Job Ticket: 46224 **DST#: 3**
Test Start: 2012.01.12 @ 17:10:01

GENERAL INFORMATION:

Formation: **KC "K"**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 19:49:01 Tester: Brett Dickinson
Time Test Ended: 03:01:31 Unit No: 59
Interval: 3964.00 ft (KB) To 3980.00 ft (KB) (TVD) Reference Elevations: 2462.00 ft (KB)
Total Depth: 3980.00 ft (KB) (TVD) 2452.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

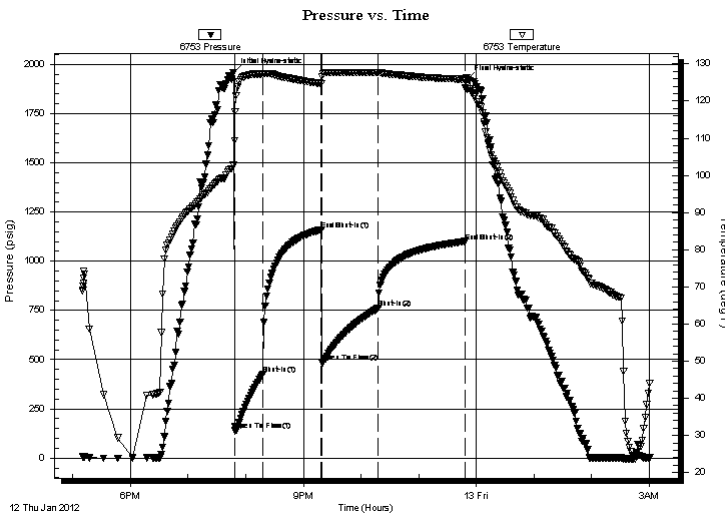
Serial #: 6753

Inside

Press@RunDepth: 761.81 psig @ 3965.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.01.12 End Date: 2012.01.13 Last Calib.: 2012.01.13
Start Time: 17:10:06 End Time: 03:01:31 Time On Btm: 2012.01.12 @ 19:47:01
Time Off Btm: 2012.01.12 @ 23:50:31

TEST COMMENT: IF-BOB in 1/2 min
ISI-5.5" blow
FF-BOB in 1 min
FSI-9" blow

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1959.14 | 102.72 | Initial Hydro-static |
| 2 | 139.37 | 117.12 | Open To Flow (1) |
| 31 | 424.58 | 127.32 | Shut-In(1) |
| 92 | 1159.77 | 124.75 | End Shut-In(1) |
| 93 | 487.76 | 126.61 | Open To Flow (2) |
| 151 | 761.81 | 127.68 | Shut-In(2) |
| 241 | 1100.31 | 125.81 | End Shut-In(2) |
| 244 | 1923.24 | 123.24 | Final Hydro-static |

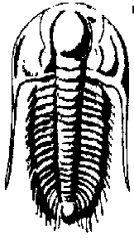
Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------|--------------|
| 65.00 | GO 15%G 85%O | 0.91 |
| 60.00 | GSWCO 10%G 80%O 10%W | 0.84 |
| 120.00 | GOCW 10%G 20%O 70%W | 1.68 |
| 60.00 | SOCW 5%O 95%W | 0.84 |
| 1335.00 | water | 18.73 |
| 0.00 | 240ft GIP | 0.00 |

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC

18-10s-24w Graham,KS

PO Box 8037
Wichita, KS 67208

Hobbs 'A' #1-18

Job Ticket: 46224

DST#: 3

ATTN: Corey

Test Start: 2012.01.12 @ 17:10:01

GENERAL INFORMATION:

Formation: **KC "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:49:01

Time Test Ended: 03:01:31

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: 3964.00 ft (KB) To 3980.00 ft (KB) (TVD)

Reference Elevations: 2462.00 ft (KB)

Total Depth: 3980.00 ft (KB) (TVD)

2452.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8319 Outside

Press@RunDepth: psig @ 3965.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.12

End Date: 2012.01.13

Last Calib.: 2012.01.13

Start Time: 17:09:37

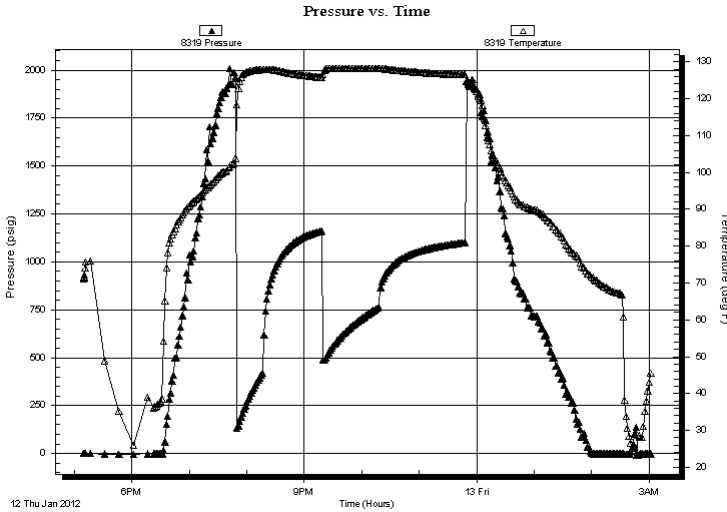
End Time: 03:01:32

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-BOB in 1/2 min
ISI-5.5" blow
FF-BOB in 1 min
FSI-9" blow

PRESSURE SUMMARY



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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------|--------------|
| 65.00 | GO 15%G 85%O | 0.91 |
| 60.00 | GSWCO 10%G 80%O 10%W | 0.84 |
| 120.00 | GOCW 10%G 20%O 70%W | 1.68 |
| 60.00 | SOCW 5%O 95%W | 0.84 |
| 1335.00 | water | 18.73 |
| 0.00 | 240ft GIP | 0.00 |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

18-10s-24w Graham,KS

PO Box 8037
Wichita, KS 67208

Hobbs 'A' #1-18

Job Ticket: 46224

DST#: 3

ATTN: Corey

Test Start: 2012.01.12 @ 17:10:01

Tool Information

| | | | | | |
|---------------------------|--------------------|-----------------------|----------------------|------------------------|-------------|
| Drill Pipe: | Length: 3949.00 ft | Diameter: 3.80 inches | Volume: 55.39 bbl | Tool Weight: | 2000.00 lb |
| Heavy Wt. Pipe: | Length: ft | Diameter: 2.70 inches | Volume: - 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: | 70000.00 lb |
| | | | <u>Total Volume:</u> | Tool Chased | 0.00 ft |
| Drill Pipe Above KB: | 8.00 ft | | | String Weight: Initial | 55000.00 lb |
| Depth to Top Packer: | 3964.00 ft | | | Final | 61000.00 lb |
| Depth to Bottom Packer: | ft | | | | |
| Interval between Packers: | 16.00 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 | | | 3942.00 | |
| Shut In Tool | 5.00 | | | 3947.00 | |
| Hydraulic tool | 5.00 | | | 3952.00 | |
| Safety Joint | 2.00 | | | 3954.00 | |
| Packer | 5.00 | | | 3959.00 | 23.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3964.00 | |
| Stubb | 1.00 | | | 3965.00 | |
| Recorder | 0.00 | 6753 | Inside | 3965.00 | |
| Recorder | 0.00 | 8319 | Outside | 3965.00 | |
| Perforations | 12.00 | | | 3977.00 | |
| Bullnose | 3.00 | | | 3980.00 | 16.00 Bottom Packers & Anchor |

Total Tool Length: 39.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

18-10s-24w Graham,KS

PO Box 8037
Wichita, KS 67208

Hobbs 'A' #1-18

Job Ticket: 46224

DST#: 3

ATTN: Corey

Test Start: 2012.01.12 @ 17:10:01

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

135000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|----------------------|----------------|
| 65.00 | GO 15%G 85%O | 0.912 |
| 60.00 | GSWCO 10%G 80%O 10%W | 0.842 |
| 120.00 | GOCW 10%G 20%O 70%W | 1.683 |
| 60.00 | SOCW 5%O 95%W | 0.842 |
| 1335.00 | water | 18.727 |
| 0.00 | 240ft GIP | 0.000 |

Total Length: 1640.00 ft Total Volume: 23.006 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .14 @ 32

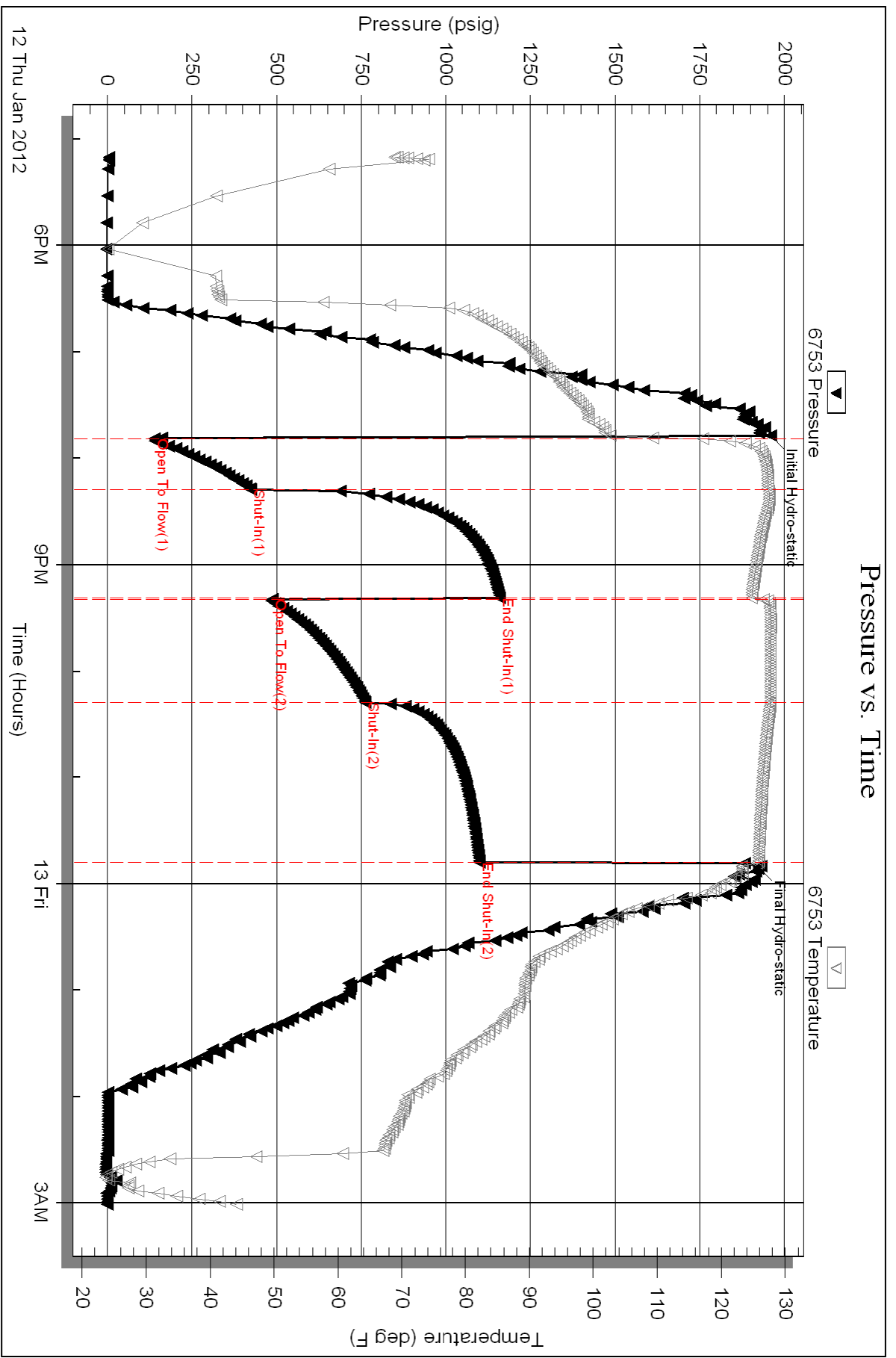
Serial #: 6753

Inside

Cobalt Energy LLC

Hobbs 'A' #1-18

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 46224

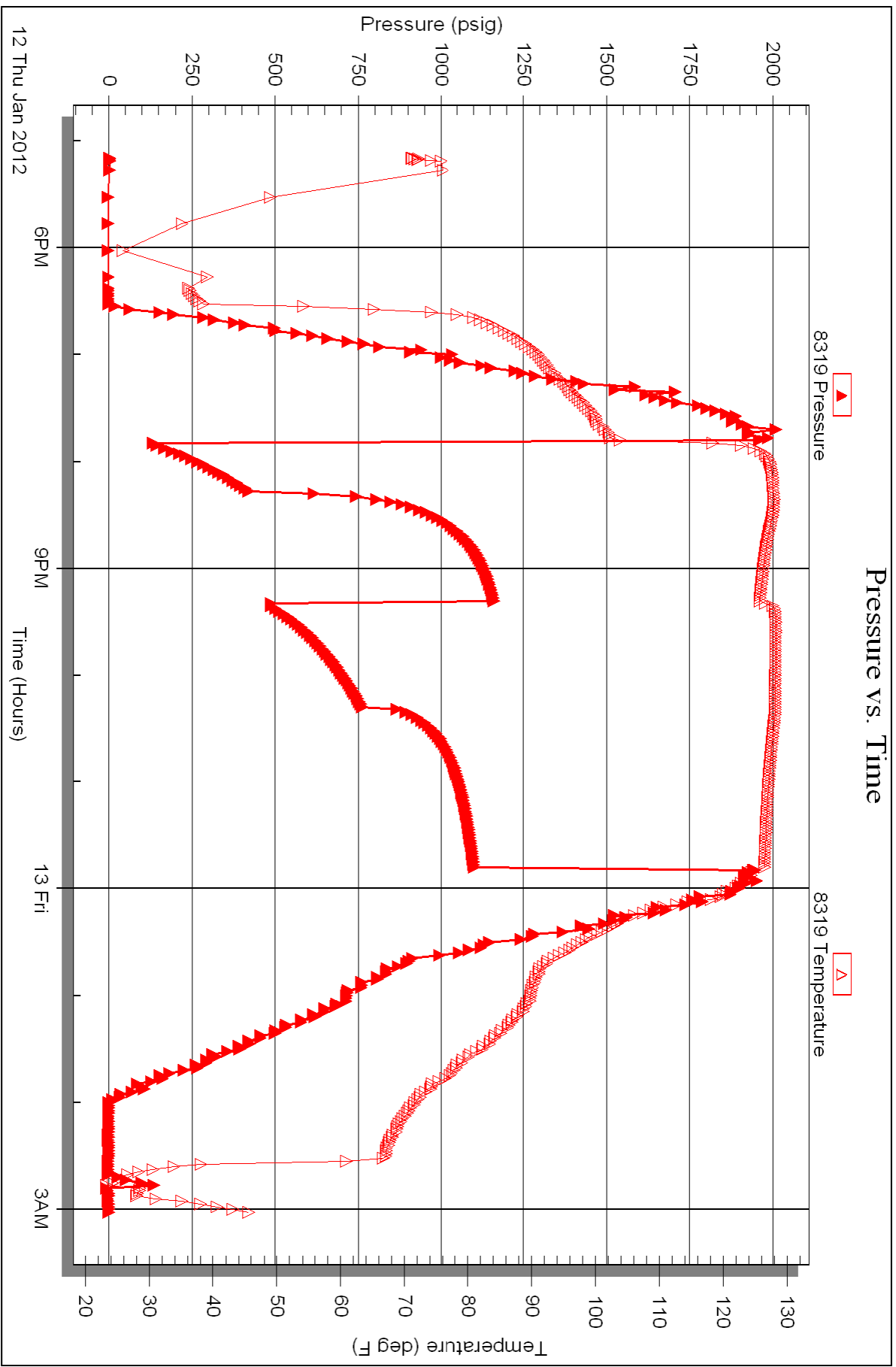
Printed: 2012.01.17 @ 09:03:25

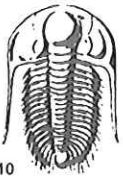
Serial #: 8319

Outside Cobalt Energy LLC

Hobbs 'A' #1-18

DST Test Number: 3





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JAN 16 2012

Test Ticket

NO. 46222

Well Name & No. Hobbs 'A' #1-18 BY: _____ Test No. 1 Date 1/10/12
 Company Cobalt Energy LLC Elevation 2462 KB 2452 GL
 Address PO Box 8037 Wichita, KS 67208
 Co. Rep / Geo. _____ Rig Val #6
 Location: Sec. 18 Twp. 10s Rge. 24w Co. Graham State KS

Interval Tested 3766-3830 Zone Tested AC "A-D"
 Anchor Length 64 Drill Pipe Run 3758 Mud Wt. 8.9
 Top Packer Depth 3761 Drill Collars Run _____ Vis 51
 Bottom Packer Depth 3766 Wt. Pipe Run _____ WL 5.6
 Total Depth 3830 Chlorides 800 ppm System LCM #2
 Blow Description FF - BOB in 2 min
FSI - BOB in 24 min
FF - BOB in 4 1/2 min
FSI - BOB in 15 min

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----|----------|------|------|--------|------|
| 500 | 60 | 25 | 75 | | |
| 120 | 60 CM | 30 | 25 | 45 | |
| 120 | 6 WMC0 | 15 | 50 | 10 | 25 |
| 120 | MCW | | | 60 | 40 |
| | 1860 6IP | | | | |

Rec Total 860 BHT 121 Gravity 36 API RW .12 @ 35 °F Chlorides 150,000 ppm
 (A) Initial Hydrostatic 1,848 Test 1125 T-On Location 20:20
 (B) First Initial Flow 52 Jars _____ T-Started 21:00
 (C) First Final Flow 188 Safety Joint 75 T-Open 1:43
 (D) Initial Shut-In 842 Circ Sub _____ T-Pulled 3:13
 (E) Second Initial Flow 200 Hourly Standby 3 1/4 hrs 825 T-Out 8:30
 (F) Second Final Flow 362 Mileage 6.6 x 2 132 RT 184.80 Comments _____
 (G) Final Shut-In 779 Sampler _____
 (H) Final Hydrostatic 1,804 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1709.80
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1709.80

Approved By _____ Our Representative Brian D. ...

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



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JAN 16 2012
BY: _____

Test Ticket

NO. 46223

Well Name & No. Hobbs 'A' #1-18 Test No. 2 Date 1/11/12
 Company Cobalt Energy LLC Elevation 2462 KB 2452 GL
 Address PO Box 8037 Wichita, KS 67208
 Co. Rep / Geo. _____ Rig Val #6
 Location: Sec. 18 Twp. 10s Rge. 24w Co. Graham State KS

Interval Tested 3892 - 3960 Zone Tested KC "H-J"
 Anchor Length 68 Drill Pipe Run 3885 Mud Wt. 9.3
 Top Packer Depth 3887 Drill Collars Run — Vis 47
 Bottom Packer Depth 3892 Wt. Pipe Run — WL 6.0
 Total Depth 3960 Chlorides 1,600 ppm System LCM 1

Blow Description IF - BOB in 21 min
FSI - wear surface blow died in 24 min
FF - BOB in 1 min
FSI - 2 in blow

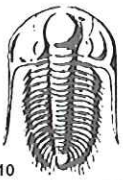
| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|-------------------------|-----------|-----------|-----------|------|
| <u>60</u> | <u>60</u> | <u>15</u> | <u>85</u> | | |
| <u>66</u> | <u>SG MCO</u> | <u>5</u> | <u>70</u> | <u>25</u> | |
| Rec | Feet of <u>360' GIP</u> | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 120 BHT 116 Gravity 33 API RW @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1,915 Test 1125' T-On Location 23:50
 (B) First Initial Flow 21 Jars _____ T-Started 00:10
 (C) First Final Flow 39 Safety Joint 75' T-Open 3:45
 (D) Initial Shut-In 1,243 Circ Sub _____ T-Pulled 7:45
 (E) Second Initial Flow 41 Hourly Standby 1.5 hrs 150' T-Out 10:15
 (F) Second Final Flow 65 Mileage 66x2 132RT 184.80 Comments _____
 (G) Final Shut-In 1,247 Sampler _____
 (H) Final Hydrostatic 1,881 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total Ø
 Day Standby _____ Total 1534.80
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1534.80

Approved By _____ Our Representative _____

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

RECEIVED
JAN 16 2012

Test Ticket

NO. 46224

4/10

BY: _____

Well Name & No. Hobbs 'A' #178 Test No. 3 Date 1/12/12
 Company Cobalt Energy LLC Elevation 2462 KB 2452 GL
 Address PO Box 8037 Wichita, KS 67208
 Co. Rep / Geo. _____ Rig Va1#6
 Location: Sec. 18 Twp. 10s Rge. 24w Co. Graham State KS

Interval Tested 3964-3980 Zone Tested KC "K"
 Anchor Length 16 Drill Pipe Run 3949 Mud Wt. 9.3
 Top Packer Depth 3959 Drill Collars Run _____ Vis 47
 Bottom Packer Depth 3964 Wt. Pipe Run _____ WL 6.0
 Total Depth 3980 Chlorides 1,600 ppm System LCM 1
 Blow Description IF-BOB in 1/2 min
ISF-5 1/2 in blow
FF-BOB in 1 min
FSI-9 in blow

| Rec | Feet of | %gas | %oil | %water | %mud |
|-------------|--------------|-----------|-----------|-----------|------|
| <u>65</u> | <u>60</u> | <u>15</u> | <u>85</u> | | |
| <u>60</u> | <u>65WCO</u> | <u>10</u> | <u>80</u> | <u>10</u> | |
| <u>120</u> | <u>60CW</u> | <u>10</u> | <u>20</u> | <u>70</u> | |
| <u>60</u> | <u>50CW</u> | | <u>5</u> | <u>95</u> | |
| <u>1335</u> | <u>Water</u> | | | | |

Rec Total 1640 BHT 125 Gravity 35 API RW .14 @ 32 °F Chlorides 135,000 ppm
 (A) Initial Hydrostatic 1,959 Test 1125 T-On Location 16:50
 (B) First Initial Flow 139 Jars _____ T-Started 17:10
 (C) First Final Flow 425 Safety Joint 75 T-Open 19:45
 (D) Initial Shut-In 1,160 Circ Sub _____ T-Pulled 23:45
 (E) Second Initial Flow 488 Hourly Standby 14-100 T-Out 3:00
 (F) Second Final Flow 762 Mileage 66x2 132RT 184.80 Comments _____
 (G) Final Shut-In 1,100 Sampler _____
 (H) Final Hydrostatic 1,923 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 60 90
 Final Shut-In _____
 Sub Total 1484.80
 Total 1484.80
 MP/DST Disc't _____

Approved By Cory Baker Our Representative Burt

Trilobite Testing Inc. shall not be liable for damaged or 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.

ALLIED CEMENTING CO., LLC. 035203

Federal Tax I.D.# 20-5975804

REMIT TO PO BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
RUSSELL KS

| | | | | | | | |
|-------------------------|----------------------|-----------------------------------|----------------------|-----------------|-------------|-----------------------|------------------------|
| DATE <u>1-7-12</u> | SEC <u>18</u> | TWP <u>10 S</u> | RANGE <u>24 W</u> | CALLED OUT | ON LOCATION | JOB START <u>2 PM</u> | JOB FINISH <u>2:40</u> |
| LEASE <u>Hobbs</u> | WELL # <u>A-1-18</u> | LOCATION <u>ST. PETER - 2.5 E</u> | COUNTY <u>GRAHAM</u> | STATE <u>KS</u> | | | |
| OLD OR NEW (Circle one) | | | <u>SOUTH 1/2</u> | | | | |

| | | |
|----------------------------------|---------------------|--|
| CONTRACTOR <u>VAC #10</u> | OWNER | |
| TYPE OF JOB <u>SURFACE</u> | CEMENT | |
| HOLE SIZE <u>12 1/4</u> | T.D. <u>230</u> | AMOUNT ORDERED <u>150 SK 3% CC 28 GA</u> |
| CASING SIZE <u>8 3/8</u> | DEPTH <u>226.27</u> | |
| TUBING SIZE | DEPTH | |
| DRILL PIPE | DEPTH | |
| TOOL | DEPTH | |
| PRES. MAX | MINIMUM | |
| MEAS. LINE | SHOE JOINT | |
| CEMENT LEFT IN CSG. <u>15 FT</u> | | |
| PERFS. | | |
| DISPLACEMENT | | |

| | |
|--------------|---------------------------|
| EQUIPMENT | |
| PUMP TRUCK | CEMENTER <u>Bob Smith</u> |
| # <u>409</u> | HELPER <u>Todd</u> |
| BULK TRUCK | |
| # <u>481</u> | DRIVER <u>Cody</u> |
| BULK TRUCK | |
| # | DRIVER |

REMARKS:
CMT CIRCULATED TO SURFACE

| | | | |
|----------|------------------------|----------------|-----------------------------------|
| COMMON | <u>150</u> | @ <u>16.25</u> | <u>2437.50</u> |
| POZMIX | | @ | |
| GEL | <u>3</u> | @ <u>21.25</u> | <u>63.75</u> |
| CHLORIDE | | @ | |
| ASC | | @ | |
| CC | <u>5</u> | @ <u>58.20</u> | <u>291.00</u> |
| HANDLING | <u>158</u> | @ <u>2.25</u> | <u>355.50</u> |
| MILEAGE | <u>80 X 1.58 X .11</u> | | <u>1390.40</u> |
| | | | <u>17.38</u> TOTAL <u>4532.65</u> |

| | |
|----------------------|---------------------------------------|
| SERVICE | |
| DEPTH OF JOB | <u>226.37 FT</u> |
| PUMP TRUCK CHARGE | <u>1125.00</u> |
| EXTRA FOOTAGE | @ |
| MILEAGE | <u>80</u> @ <u>7.00</u> <u>560.00</u> |
| MANIFOLD | @ |
| <u>Adv mileage</u> | <u>80</u> @ <u>4.00</u> <u>320.00</u> |
| TOTAL <u>2005.00</u> | |

CHARGE TO: COBALT ENERGY

STREET _____

CITY _____ STATE _____ ZIP _____

| | |
|------------------------|---|
| PLUG & FLOAT EQUIPMENT | |
| | @ |
| | @ |
| | @ |
| | @ |
| | @ |
| TOTAL <u>0</u> | |

To Allied Cementing Co., 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 Randy D Martin

SIGNATURE Randy D Martin

SALES TAX (If Any) 210.81

TOTAL CHARGES 6543.15

DISCOUNT 20/50 IF PAID IN 30 DAYS

1989.75

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 Randy D Martin

SIGNATURE Randy D Martin

TOTAL 0

SALES TAX (If Any) _____

TOTAL CHARGES 6543.15

DISCOUNT _____ IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC. 034541

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Russell, KS
BOTTOM TOP

| | | | | | | | |
|-------------------------|-------------------|--|-------------------|----------------------|---------------------|--------------------------|-------------------------|
| DATE <i>1-14-2012</i> | SEC. <i>18</i> | TWP. <i>10 S</i> | RANGE <i>24 W</i> | CALLED OUT | ON LOCATION | JOB START <i>8:30 AM</i> | JOB FINISH <i>12:30</i> |
| LEASEE <i>HOBBS "A"</i> | WELL# <i>1-18</i> | LOCATION <i>ST. PETER KS, 1 1/2 E 1/4 S 10 W</i> | | COUNTY <i>GIRARD</i> | STATE <i>KANSAS</i> | | |
| OLD OR NEW (Circle one) | | | | | | | |

CONTRACTOR *Val Dalg. Rig # 6*
 TYPE OF JOB *PRODUCTION STRING (D-V)*
 HOLE SIZE *7 7/8* T.D. *4050*
 CASING SIZE *5 1/2 New* DEPTH *4042*
 TUBING SIZE *15.50# CSG.* DEPTH
~~PIPE~~ PIPE LATCH *Down Plug* DEPTH/ASS/ @ *4021*
 TOOL DV TOOL @ DEPTH *2063*
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT *21'*
 CEMENT LEFT IN CSG *21'*
 PERFS. *TOP*
 DISPLACEMENT *49 / BEL* *Bottom* *95 / BEL*
 EQUIPMENT

OWNER
 CEMENT
 AMOUNT ORDERED *150 SX Comm. 10% SALT*
20 GAL 5# GILSONITE PER SX.
400 SX Allied Lite / wt. 1/4# FIO-Seal
500 GAL WFR-2 MUD FLUSH PER SX.
 COMMON *150 SX @ 16.25 2437.50*
 POZMIX @
 GEL *3 SX @ 21.25 63.75*
 CHLORIDE @
 ASC @
400 SX Lite / wt @ 15.00 6000.00
FIO-Seal 100 LBS @ 2.70 270.00
Gilsonite 225 LBS @ .89 200.25
500 GAL WFR-2 @ 1.27 635.00
SALT 15 SX @ 23.95 359.25
 HANDLING *568 @ 2.25 1278.00*
 MILEAGE *65 / 568 / 11 @ 4061.20*
 TOTAL *15304.95*

PUMP TRUCK CEMENTER *Glenn*
 # *417* HELPER *Woody*
 BULK TRUCK
 # *378* DRIVER *Ron*
 BULK TRUCK
 # *481* DRIVER *Tony*
 * *20 SX cement mouse hole*
 * *30 SX Cement Patches*

REMARKS:
Ran a total of 9 hrs / 5 stages (15, 50#) Drop AFU steel ball.
Set @ 4042 circulate 1 hr. mix mud flush
+ Cement w/ 150 SX Comm. 10% salt + 20 gal 5# Gilsonite / SX
Clear Line, Release Latch DN. Plug, + Displace
47 BEL H₂O 45 BEL mud + 374 BEL H₂O
LAND Plug @ 2000 #, Release Pressure + Plug (head)
DROP DV TOOL (DART) + OPEN @ 1000 #,
CIRCULATE 3 HRS. + Cement w/ 350 SX Lite / wt
~~Release~~ *Release TOP DV TOOL Plug + Displace*
H₂O, LAND Plug @ 2000 # TO CLOSE DV TOOL
 CHARGE TO: *COBALT ENERGY LLC.*
 STREET

SERVICE
 DEPTH OF JOB *4042'*
 PUMP TRUCK CHARGE *2405.00*
 EXTRA FOOTAGE @
 MILEAGE *65 HOME @ 7.00 455.00*
 MANIFOLD @
BEL 65 LY MI @ 4.00 260.00
 TOTAL *3120.00*

CITY STATE ZIP
** Cement DID CIRCULATE TO SURFACE.*

PLUG & FLOATEQUIPMENT
 W *FLOAT Shoe @ 245.00 245.00*
 IR *LATCH Down Plug Assy @ 194.00 194.00*
 W *4-TURBO Centralizers @ 60.00 240.00*
 W *B-Reg. Centralizers @ 34.00 272.00*
 W *3-BASKET'S @ 236.00 708.00*
 IR *1-D-V 2 Stage Tool @ 2832.00*
 TOTAL *4491.00*

To Allied Cementing Co., 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 *PAT GARDNER*
 SIGNATURE *[Signature]*

SALES TAX (If Any)
 TOTAL CHARGES *22915.95*
 DISCOUNT *20/50* IF PAID IN 30 DAYS