



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1138536
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

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

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

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



1138536

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
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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"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	H & C Oil Operating Inc.
Well Name	Gosselin Unit 25-1
Doc ID	1138536

All Electric Logs Run

Dual Compensated Porosity log, ,
Sonic cement bond log,
Microresistivity log
dual induction log

Form	ACO1 - Well Completion
Operator	H & C Oil Operating Inc.
Well Name	Gosselin Unit 25-1
Doc ID	1138536

Tops

Name	Top	Datum
Top Anhydrite	1631	+473
Base Anhydrite	1664	+440
Topeka	3076	-972
Heebner	3292	-1188
Toronto	3316	-1212
LKC	3332	-1228
BKC	3536	-1432
Marmaton	3593	-1489
Arbuckle	3679	-1575



DRILL STEM TEST REPORT

Prepared For: **H&C Oil Co**

PO Box 86
Plainville, KS 67663

ATTN: Marc Downing

Gosselin Unit #25-1

25-8s-22w Graham,KS

Start Date: 2013.03.18 @ 10:00:00

End Date: 2013.03.18 @ 16:16:30

Job Ticket #: 52157 DST #: 1

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

Printed: 2013.03.22 @ 16:26:09

H&C Oil Co
25-8s-22w Graham,KS
Gosselin Unit #25-1
DST # 1
LKC "A"
2013.03.18



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

H&C Oil Co
 PO Box 86
 Plainville, KS 67663
 ATTN: Marc Downing

25-8s-22w Graham, KS
Gosselin Unit #25-1
 Job Ticket: 52157 **DST#: 1**
 Test Start: 2013.03.18 @ 10:00:00

GENERAL INFORMATION:

Formation: **LKC "A"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:58:00
 Time Test Ended: 16:16:30
 Interval: **3324.00 ft (KB) To 3358.00 ft (KB) (TVD)**
 Total Depth: 3358.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Cody Bloedorn
 Unit No: 59
 Reference Elevations: 2101.00 ft (KB)
 2096.00 ft (CF)
 KB to GR/CF: 5.00 ft

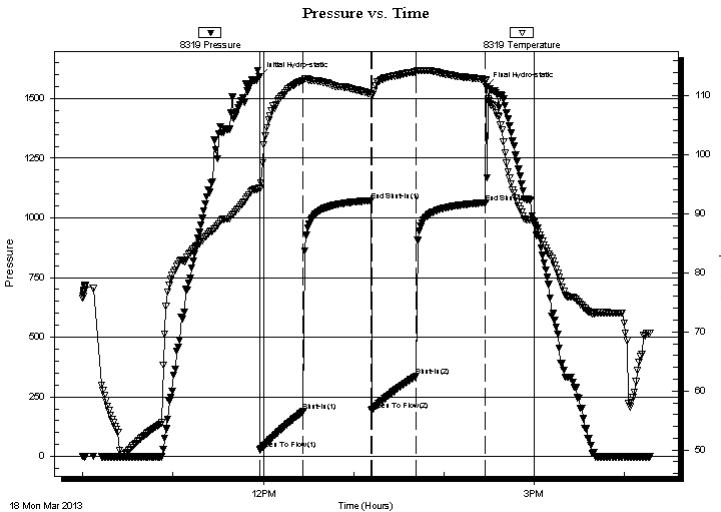
Serial #: 8319

Inside

Press @ Run Depth: 337.81 psig @ 3325.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.03.18 End Date: 2013.03.18 Last Calib.: 2013.03.18
 Start Time: 10:00:05 End Time: 16:16:29 Time On Btm: 2013.03.18 @ 11:57:30
 Time Off Btm: 2013.03.18 @ 14:28:00

TEST COMMENT: 30 - IF- B.O.B. in 5 Minutes
 45 - IS- No return
 30 - FF- B.O.B. in 7 Minutes
 45 - FS- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1593.83	94.43	Initial Hydro-static
1	29.48	94.28	Open To Flow (1)
29	189.42	112.61	Shut-In(1)
74	1072.92	110.24	End Shut-In(1)
75	195.23	110.05	Open To Flow (2)
104	337.81	114.04	Shut-In(2)
150	1063.60	112.63	End Shut-In(2)
151	1551.54	112.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	WM, 20%W, 80%M	0.87
620.00	MW, 5%M, 95%W	8.70
124.00	MW, 30%M, 70%W	1.74

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H&C Oil Co
PO Box 86
Plainville, KS 67663
ATTN: Marc Downing

25-8s-22w Graham,KS
Gosselin Unit #25-1
Job Ticket: 52157 **DST#: 1**
Test Start: 2013.03.18 @ 10:00:00

Tool Information

Drill Pipe:	Length: 3312.00 ft	Diameter: 3.80 inches	Volume: 46.46 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: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 46.46 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3324.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3305.00	
Shut In Tool	5.00			3310.00	
Hydraulic tool	5.00			3315.00	
Packer	4.00			3319.00	20.00 Bottom Of Top Packer
Packer	5.00			3324.00	
Stubb	1.00			3325.00	
Recorder	0.00	8319	Inside	3325.00	
Recorder	0.00	8166	Outside	3325.00	
Perforations	30.00			3355.00	
Bullnose	3.00			3358.00	34.00 Bottom Packers & Anchor
Total Tool Length:	54.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

H&C Oil Co
PO Box 86
Plainville, KS 67663
ATTN: Marc Downing

25-8s-22w Graham,KS
Gosselin Unit #25-1
Job Ticket: 52157 **DST#: 1**
Test Start: 2013.03.18 @ 10:00:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	38000 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 900.00 ppm			
Filter Cake: inches			

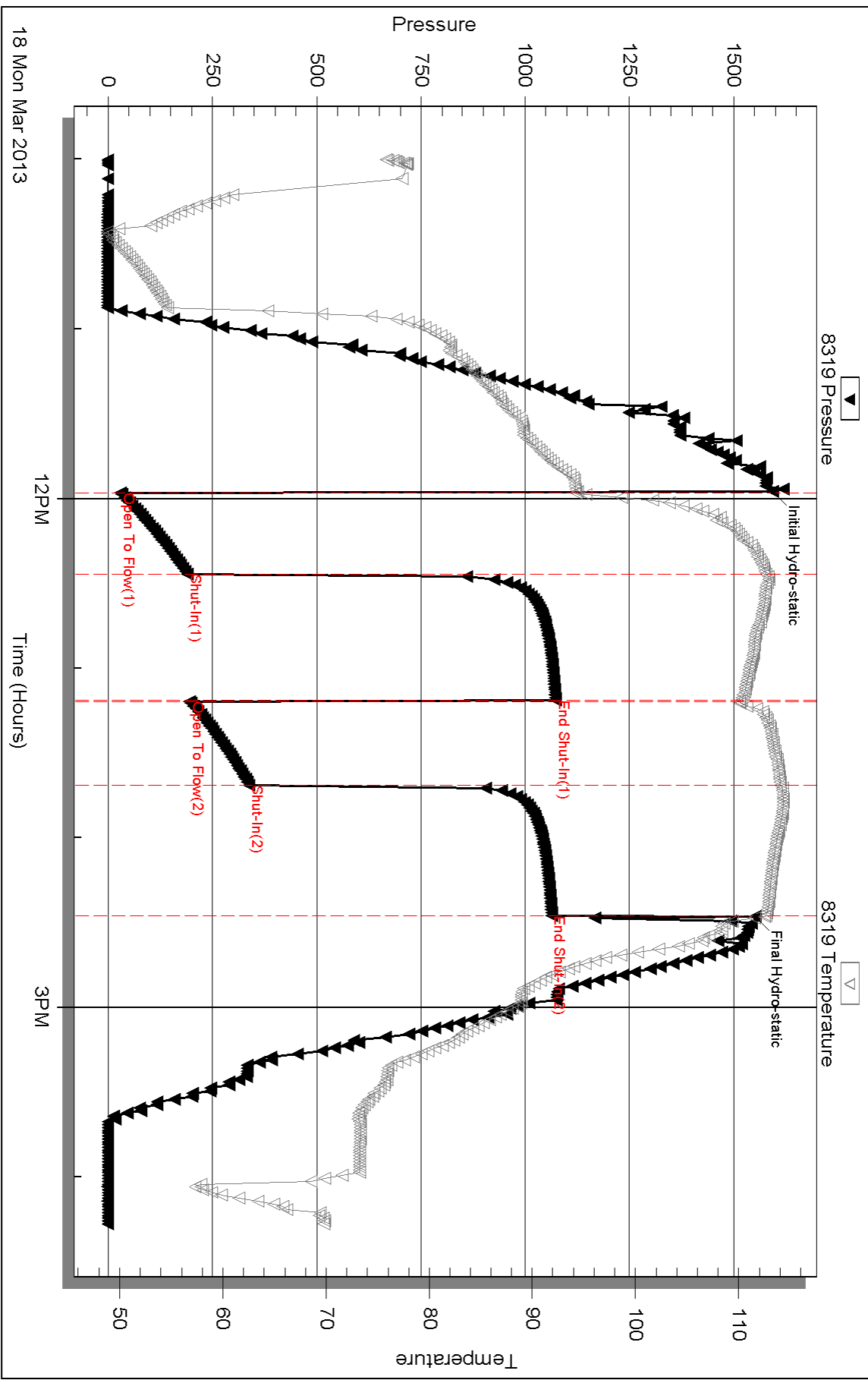
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	WM, 20%W, 80%M	0.870
620.00	MW, 5%M, 95%W	8.697
124.00	MW, 30%M, 70%W	1.739

Total Length: 806.00 ft Total Volume: 11.306 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: .41 @ 40 Degrees = 38000

Pressure vs. Time



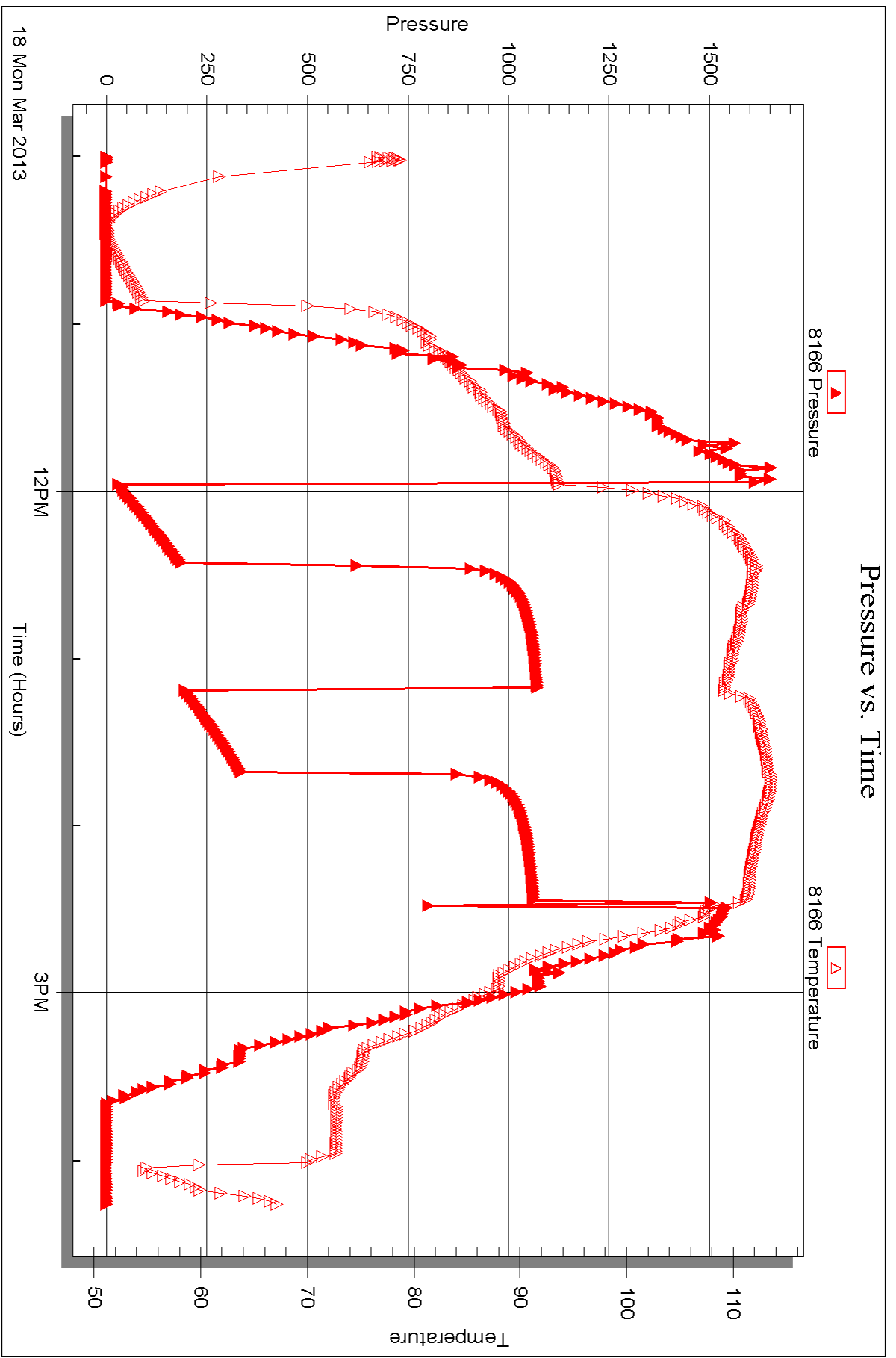
18 Mon Mar 2013

Serial #: 8166

Outside H&C Oil Co

Gosselin Unit #25-1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 52157

Printed: 2013.03.22 @ 16:26:12



DRILL STEM TEST REPORT

Prepared For: **H&C Oil Co**

PO Box 86
Plainville, KS 67663

ATTN: Marc Downing

Gosselin Unit #25-1

25-8s-22w Graham,KS

Start Date: 2013.03.18 @ 22:43:00

End Date: 2013.03.19 @ 04:50:30

Job Ticket #: 52158 DST #: 2

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

Printed: 2013.03.22 @ 16:25:30



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H&C Oil Co
PO Box 86
Plainville, KS 67663
ATTN: Marc Downing

25-8s-22w Graham,KS
Gosselin Unit #25-1
Job Ticket: 52158 **DST#: 2**
Test Start: 2013.03.18 @ 22:43:00

Tool Information

Drill Pipe:	Length: 3341.00 ft	Diameter: 3.80 inches	Volume: 46.87 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: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 46.87 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3355.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3331.00	
Shut In Tool	5.00			3336.00	
Hydraulic tool	5.00			3341.00	
Jars	5.00			3346.00	
Packer	4.00			3350.00	25.00 Bottom Of Top Packer
Packer	5.00			3355.00	
Stubb	1.00			3356.00	
Recorder	0.00	8319	Inside	3356.00	
Recorder	0.00	8166	Outside	3356.00	
Perforations	21.00			3377.00	
Bullnose	3.00			3380.00	25.00 Bottom Packers & Anchor

Total Tool Length: 50.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

H&C Oil Co
PO Box 86
Plainville, KS 67663
ATTN: Marc Downing

25-8s-22w Graham,KS
Gosselin Unit #25-1
Job Ticket: 52158 **DST#: 2**
Test Start: 2013.03.18 @ 22:43:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	44000 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.77 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 900.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	WM, 30%W, 70%M	1.739
1116.00	MW, 2%M, 98%W	15.655
186.00	MW, 40%M, 60%W	2.609

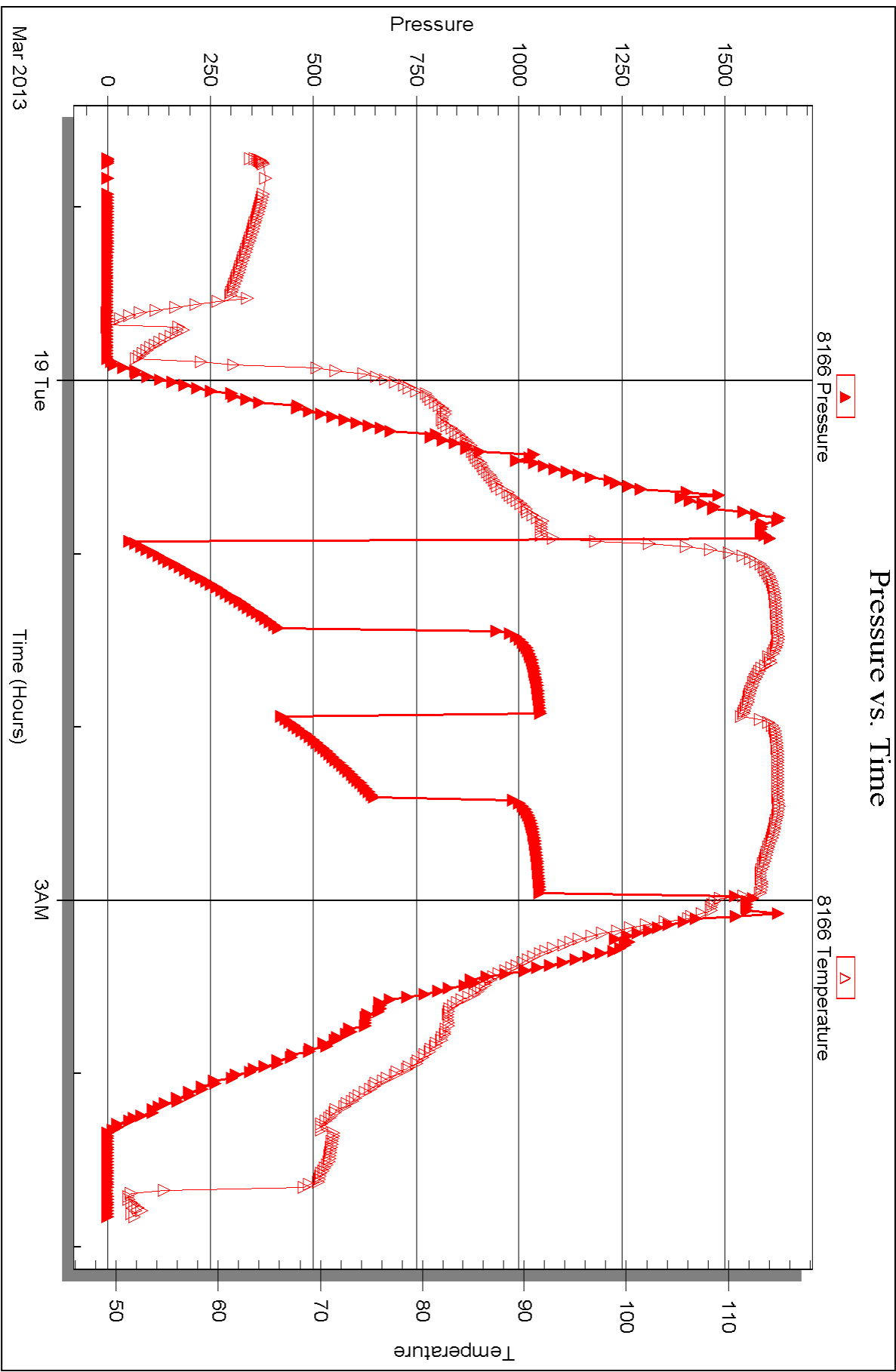
Total Length: 1426.00 ft Total Volume: 20.003 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: .23@ 50 Degrees = 44000

Serial #: 8166

Outside H&C Oil Co

Gosselin Unit #25-1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **H&C Oil Co**

PO Box 86
Plainville, KS 67663

ATTN: Marc Downing

Gosselin Unit #25-1

25-8s-22w Graham,KS

Start Date: 2013.03.19 @ 11:50:00

End Date: 2013.03.19 @ 17:49:00

Job Ticket #: 52159 DST #: 3

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

Printed: 2013.03.22 @ 16:24:46



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

H&C Oil Co
 PO Box 86
 Plainville, KS 67663
 ATTN: Marc Downing

25-8s-22w Graham, KS
Gosselin Unit #25-1
 Job Ticket: 52159 **DST#: 3**
 Test Start: 2013.03.19 @ 11:50:00

GENERAL INFORMATION:

Formation: **LKC "D-E"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:24:30
 Time Test Ended: 17:49:00
 Interval: **3376.00 ft (KB) To 3409.00 ft (KB) (TVD)**
 Total Depth: 3409.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cody Bloedorn
 Unit No: 59
 Reference Elevations: 2101.00 ft (KB)
 2096.00 ft (CF)
 KB to GR/CF: 5.00 ft

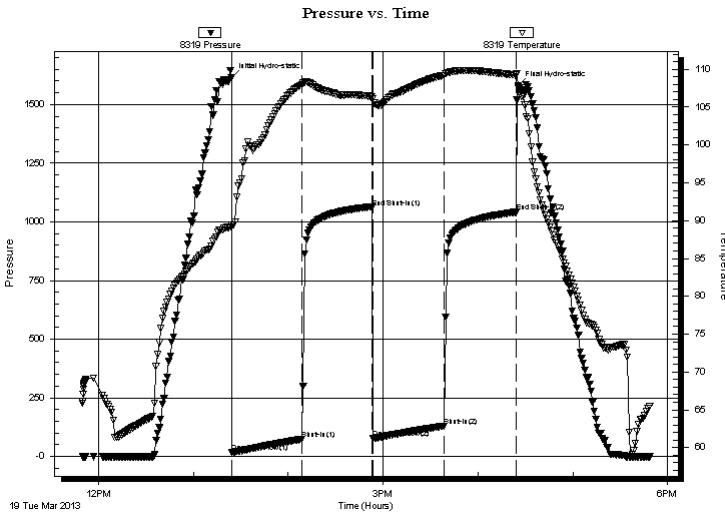
Serial #: 8319

Inside

Press @ Run Depth: 130.34 psig @ 3377.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.03.19 End Date: 2013.03.19 Last Calib.: 2013.03.19
 Start Time: 11:50:05 End Time: 17:48:59 Time On Btm: 2013.03.19 @ 13:24:00
 Time Off Btm: 2013.03.19 @ 16:25:30

TEST COMMENT: 45 - IF- 8" blow
 45 - IS- No return
 45 - FF- 4" blow
 45 - FS- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1615.37	89.36	Initial Hydro-static
1	16.83	89.21	Open To Flow (1)
45	74.59	108.00	Shut-In(1)
89	1060.19	106.41	End Shut-In(1)
90	77.19	106.13	Open To Flow (2)
135	130.34	109.22	Shut-In(2)
180	1041.50	109.24	End Shut-In(2)
182	1578.59	107.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	MW, 40%M, 60%W	3.48

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H&C Oil Co
PO Box 86
Plainville, KS 67663
ATTN: Marc Downing

25-8s-22w Graham,KS
Gosselin Unit #25-1
Job Ticket: 52159 **DST#: 3**
Test Start: 2013.03.19 @ 11:50:00

Tool Information

Drill Pipe:	Length: 3382.00 ft	Diameter: 3.80 inches	Volume: 47.44 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:	30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	47000.00 lb
			<u>Total Volume: 47.44 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3376.00 ft			Final	43000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	33.00 ft				
Tool Length:	58.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3352.00	
Shut In Tool	5.00			3357.00	
Hydraulic tool	5.00			3362.00	
Jars	5.00			3367.00	
Packer	4.00			3371.00	25.00 Bottom Of Top Packer
Packer	5.00			3376.00	
Stubb	1.00			3377.00	
Recorder	0.00	8319	Inside	3377.00	
Recorder	0.00	8166	Outside	3377.00	
Perforations	29.00			3406.00	
Bullnose	3.00			3409.00	33.00 Bottom Packers & Anchor

Total Tool Length: 58.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

H&C Oil Co
PO Box 86
Plainville, KS 67663
ATTN: Marc Downing

25-8s-22w Graham,KS
Gosselin Unit #25-1
Job Ticket: 52159 **DST#: 3**
Test Start: 2013.03.19 @ 11:50:00

Mud and Cushion Information

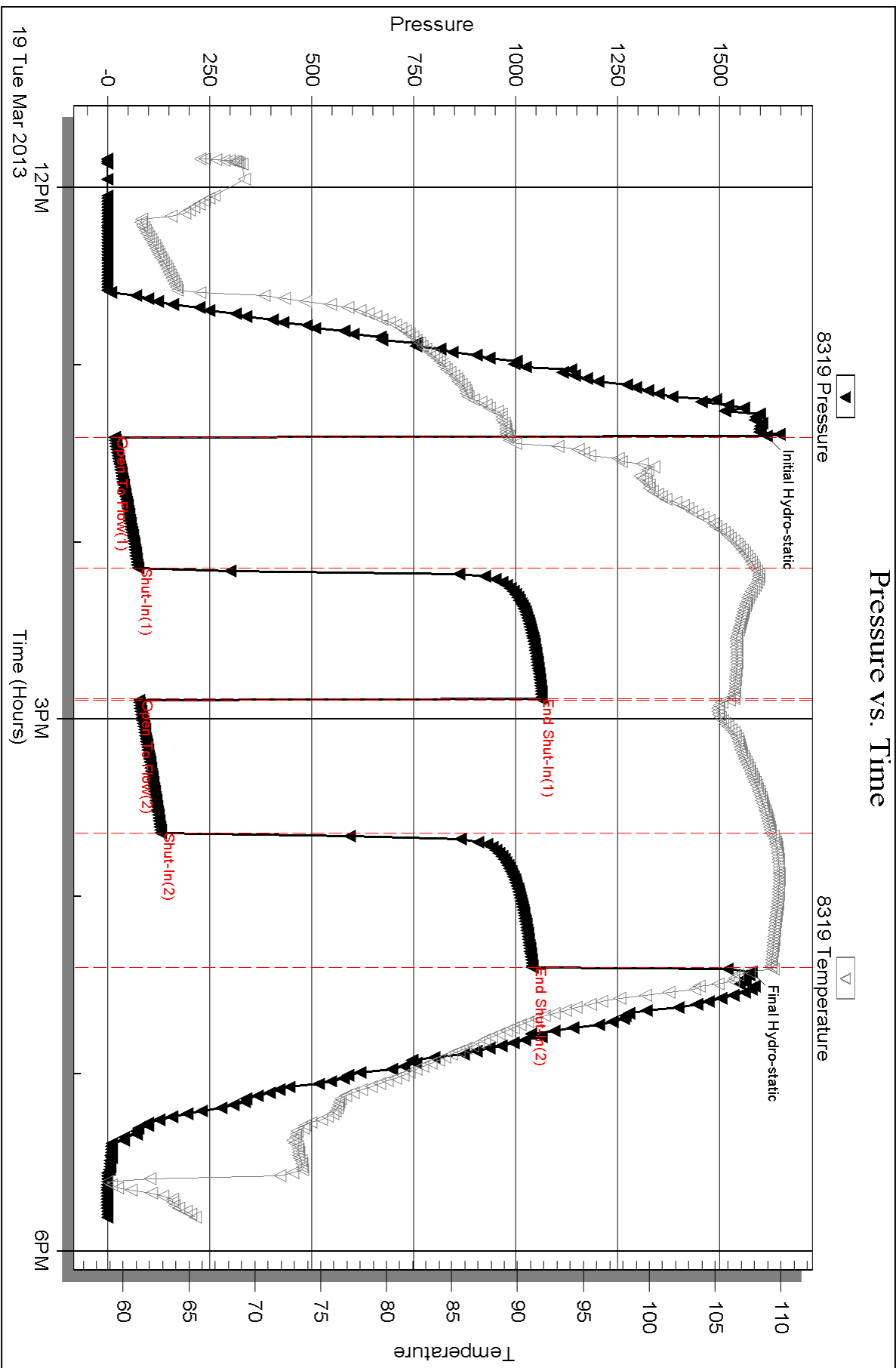
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 125000 ppm	
Viscosity: 64.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	MW, 40%M, 60%W	3.479

Total Length: 248.00 ft Total Volume: 3.479 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: .10 @ 54 Degrees = 125,000

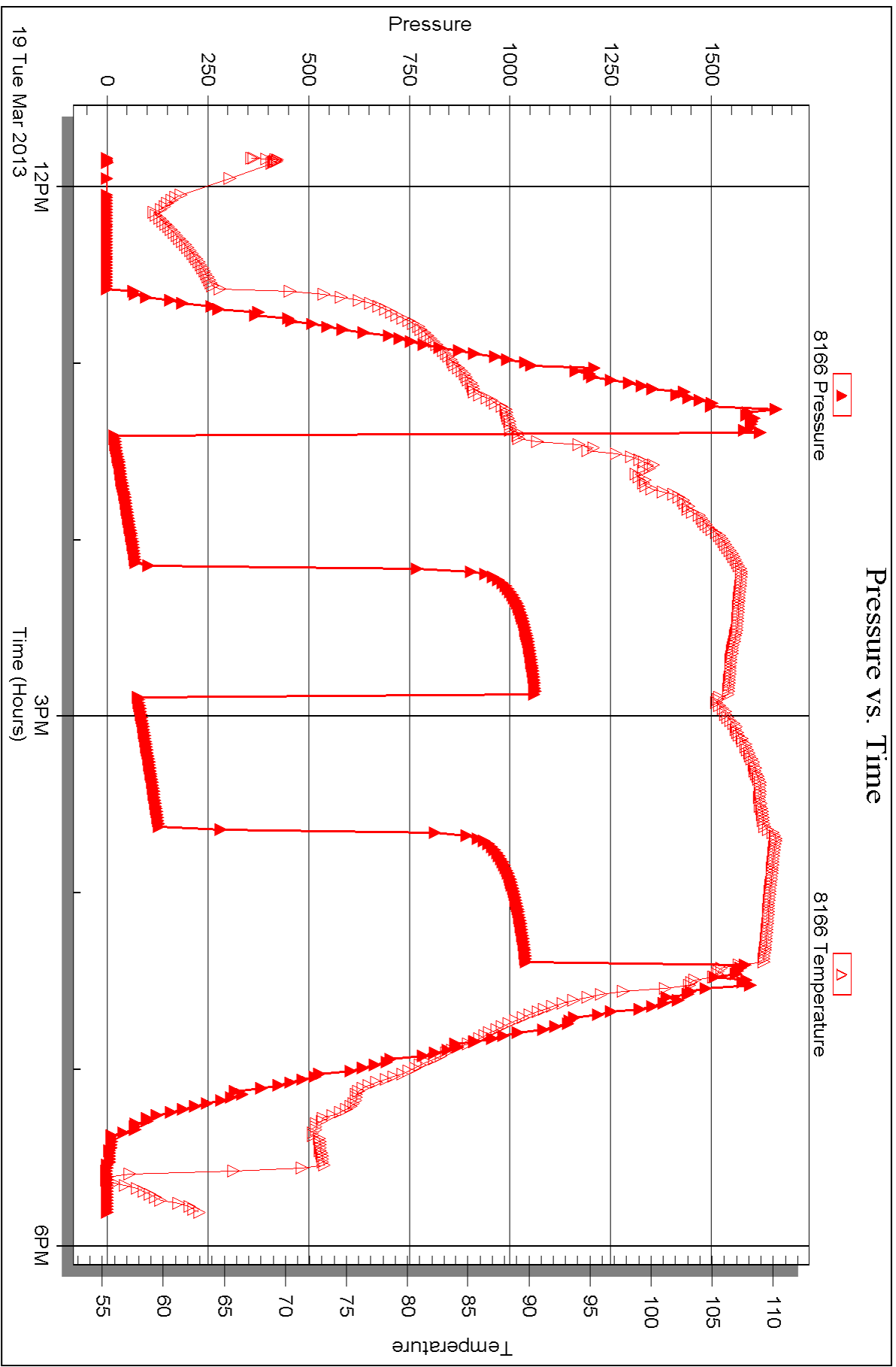


Serial #: 8166

Outside H&C Oil Co

Gosselin Unit #25-1

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 52159

Printed: 2013.03.22 @ 16:24:49



DRILL STEM TEST REPORT

Prepared For: **H&C Oil Co**

PO Box 86
Plainville, KS 67663

ATTN: Marc Downing

Gosselin Unit #25-1

25-8s-22w Graham,KS

Start Date: 2013.03.20 @ 03:50:00

End Date: 2013.03.20 @ 09:06:00

Job Ticket #: 52160 DST #: 4

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

Printed: 2013.03.22 @ 16:24:03



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

H&C Oil Co
PO Box 86
Plainville, KS 67663
ATTN: Marc Downing

25-8s-22w Graham, KS
Gosselin Unit #25-1
Job Ticket: 52160 **DST#: 4**
Test Start: 2013.03.20 @ 03:50:00

GENERAL INFORMATION:

Formation: **LKC "H-J"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:38:00
Time Test Ended: 09:06:00
Interval: **3440.00 ft (KB) To 3500.00 ft (KB) (TVD)**
Total Depth: 3500.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Cody Bloedorn
Unit No: 59
Reference Elevations: 2101.00 ft (KB)
2096.00 ft (CF)
KB to GR/CF: 5.00 ft

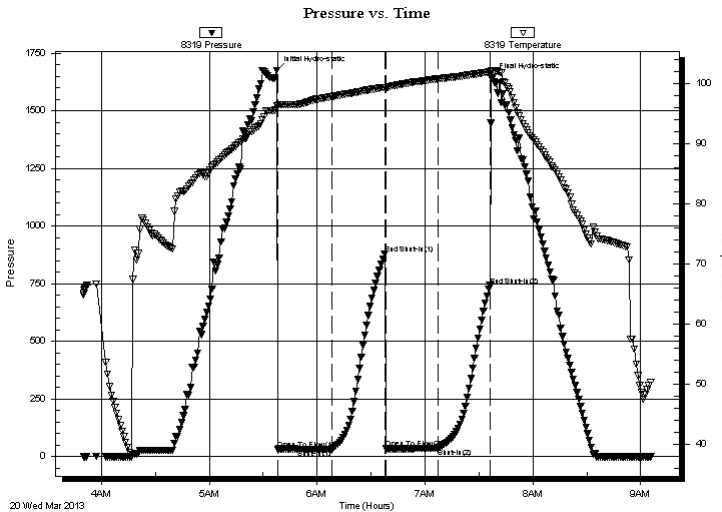
Serial #: 8319

Inside

Press @ Run Depth: 35.60 psig @ 3476.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.03.20 End Date: 2013.03.20 Last Calib.: 2013.03.20
Start Time: 03:50:05 End Time: 09:05:59 Time On Btm: 2013.03.20 @ 05:37:30
Time Off Btm: 2013.03.20 @ 07:37:00

TEST COMMENT: 30 - IF- 3/4" blow
30 - IS- No return
30 - FF- 1/2" blow
30 - FS- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1675.77	96.35	Initial Hydro-static
1	32.74	96.34	Open To Flow (1)
31	32.77	97.87	Shut-In(1)
60	879.30	99.42	End Shut-In(1)
61	33.75	99.26	Open To Flow (2)
90	35.60	100.80	Shut-In(2)
119	741.84	101.94	End Shut-In(2)
120	1644.59	102.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	SOCM, 10%O, 90%M	0.21

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H&C Oil Co
PO Box 86
Plainville, KS 67663
ATTN: Marc Downing

25-8s-22w Graham,KS
Gosselin Unit #25-1
Job Ticket: 52160 **DST#: 4**
Test Start: 2013.03.20 @ 03:50:00

Tool Information

Drill Pipe:	Length: 3436.00 ft	Diameter: 3.80 inches	Volume: 48.20 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: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 47000.00 lb
			<u>Total Volume: 48.20 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3440.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	85.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3416.00	
Shut In Tool	5.00			3421.00	
Hydraulic tool	5.00			3426.00	
Jars	5.00			3431.00	
Packer	4.00			3435.00	25.00 Bottom Of Top Packer
Packer	5.00			3440.00	
Stubb	1.00			3441.00	
Perforations	2.00			3443.00	
Change Over Sub	1.00			3444.00	
Drill Pipe	31.00			3475.00	
Change Over Sub	1.00			3476.00	
Recorder	0.00	8319	Inside	3476.00	
Recorder	0.00	8166	Outside	3476.00	
Perforations	21.00			3497.00	
Bullnose	3.00			3500.00	60.00 Bottom Packers & Anchor

Total Tool Length: 85.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

H&C Oil Co
PO Box 86
Plainville, KS 67663
ATTN: Marc Downing

25-8s-22w Graham,KS
Gosselin Unit #25-1
Job Ticket: 52160 **DST#: 4**
Test Start: 2013.03.20 @ 03:50:00

Mud and Cushion Information

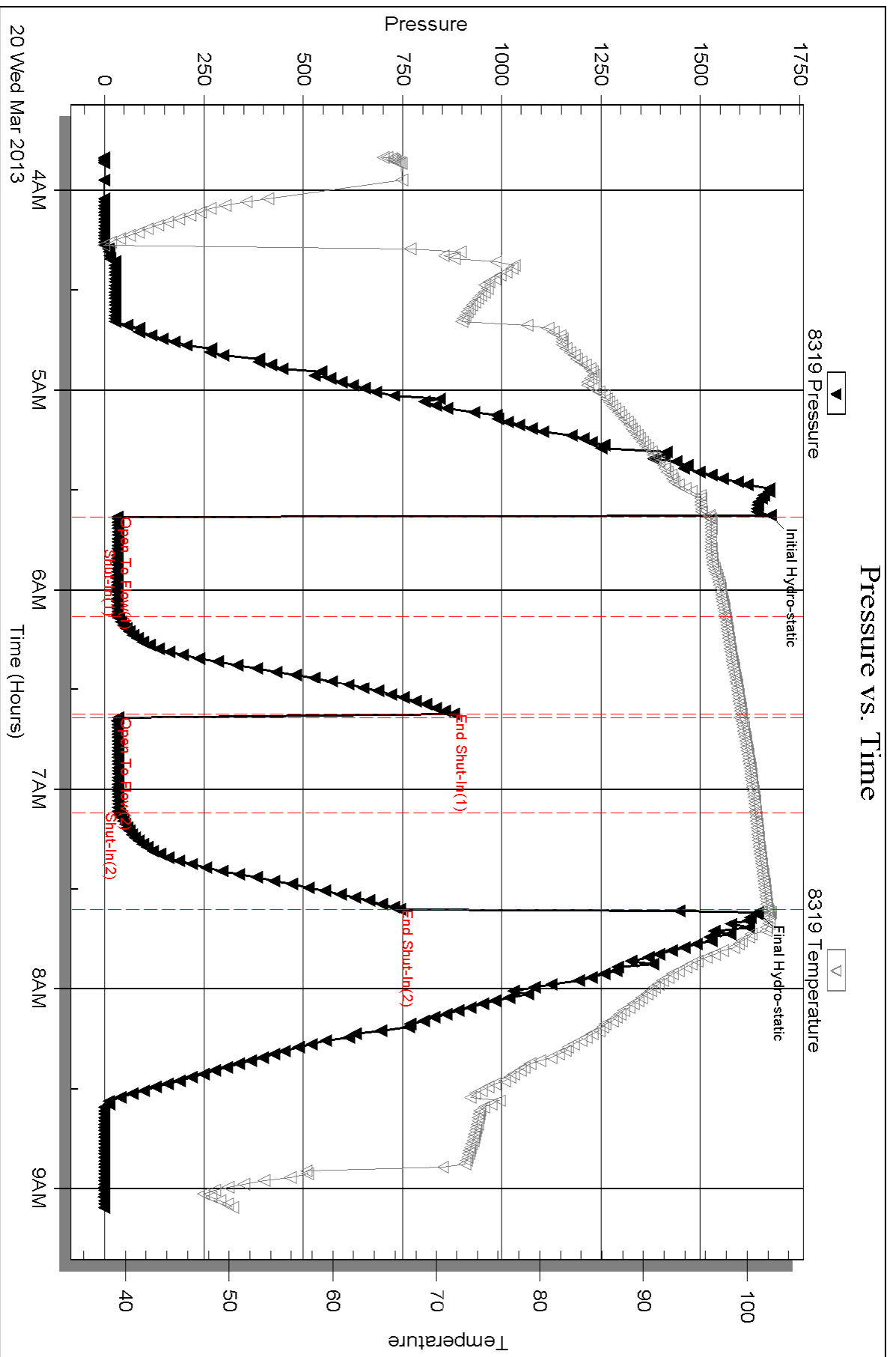
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 64.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	SOCM, 10%O, 90%M	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

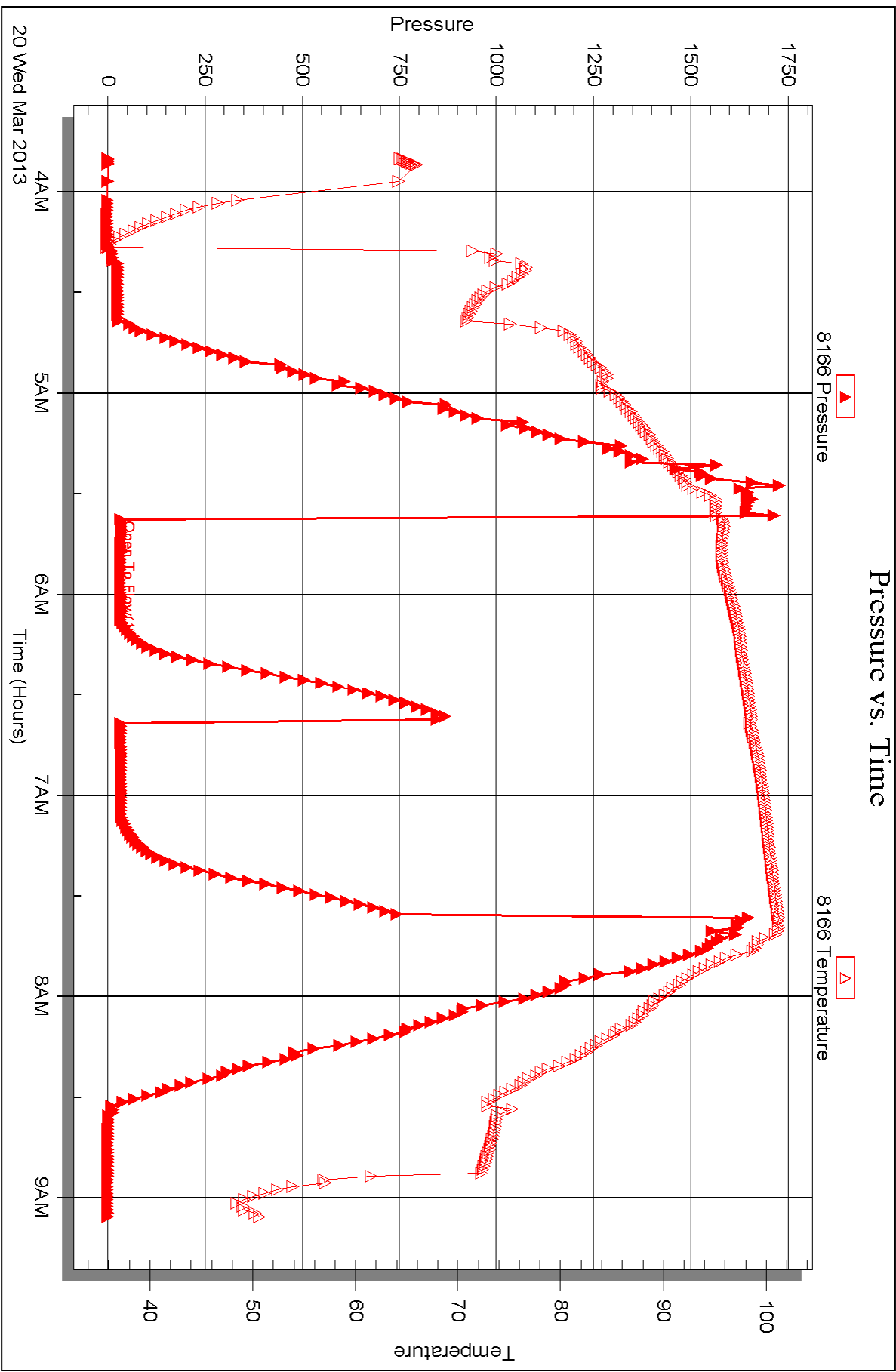


Serial #: 8166

Outside H&C Oil Co

Gosselin Unit #25-1

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **H&C Oil Co**

PO Box 86
Plainville, KS 67663

ATTN: Marc Downing

Gosselin Unit #25-1

25-8s-22w Graham,KS

Start Date: 2013.03.20 @ 15:50:00

End Date: 2013.03.20 @ 22:58:00

Job Ticket #: 52161 DST #: 5

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

Printed: 2013.03.22 @ 16:18:45

H&C Oil Co
25-8s-22w Graham,KS
Gosselin Unit #25-1
DST # 5
LKC "K-L"
2013.03.20



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

H&C Oil Co
 PO Box 86
 Plainville, KS 67663
 ATTN: Marc Downing

25-8s-22w Graham, KS
Gosselin Unit #25-1
 Job Ticket: 52161 **DST#: 5**
 Test Start: 2013.03.20 @ 15:50:00

GENERAL INFORMATION:

Formation: **LKC "K-L"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:04:30
 Time Test Ended: 22:58:00
 Interval: **3495.00 ft (KB) To 3495.00 ft (KB) (TVD)**
 Total Depth: 3530.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cody Bloedorn
 Unit No: 59
 Reference Elevations: 2101.00 ft (KB)
 2096.00 ft (CF)
 KB to GR/CF: 5.00 ft

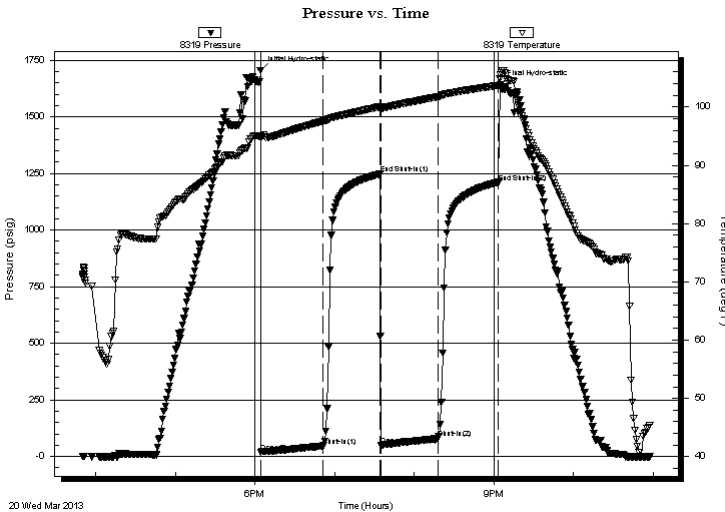
Serial #: 8319

Inside

Press @ Run Depth: 79.39 psig @ 3496.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.03.20 End Date: 2013.03.20 Last Calib.: 2013.03.20
 Start Time: 15:50:05 End Time: 22:57:59 Time On Btm: 2013.03.20 @ 18:04:00
 Time Off Btm: 2013.03.20 @ 21:05:00

TEST COMMENT: 45 - IF- B.O.B. in 14 Minutes
 45 - IS- Surface return
 45 - FF- B.O.B. in 11 Minutes
 45 - FS- Surface return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1705.04	95.05	Initial Hydro-static
1	19.74	94.75	Open To Flow (1)
48	47.25	97.55	Shut-In(1)
90	1246.63	100.03	End Shut-In(1)
91	48.31	99.83	Open To Flow (2)
134	79.39	101.75	Shut-In(2)
180	1210.87	103.69	End Shut-In(2)
181	1641.10	105.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GHOCM, 30%G, 30%M, 40%O	0.87
93.00	GO, 30%G, 70%O	1.30
0.00	434' of G.I.P.	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

H&C Oil Co
PO Box 86
Plainville, KS 67663
ATTN: Marc Downing

25-8s-22w Graham,KS
Gosselin Unit #25-1
Job Ticket: 52161 **DST#: 5**
Test Start: 2013.03.20 @ 15:50:00

Tool Information

Drill Pipe:	Length: 3498.00 ft	Diameter: 3.80 inches	Volume: 49.07 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:	30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	47000.00 lb
			<u>Total Volume: 49.07 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3495.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	34.00 ft				
Tool Length:	59.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3471.00	
Shut In Tool	5.00			3476.00	
Hydraulic tool	5.00			3481.00	
Jars	5.00			3486.00	
Packer	4.00			3490.00	25.00 Bottom Of Top Packer
Packer	5.00			3495.00	
Stubb	1.00			3496.00	
Recorder	0.00	8319	Inside	3496.00	
Recorder	0.00	8166	Outside	3496.00	
Perforations	30.00			3526.00	
Bullnose	3.00			3529.00	34.00 Bottom Packers & Anchor

Total Tool Length: 59.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

H&C Oil Co
PO Box 86
Plainville, KS 67663
ATTN: Marc Downing

25-8s-22w Graham,KS
Gosselin Unit #25-1
Job Ticket: 52161 **DST#: 5**
Test Start: 2013.03.20 @ 15:50:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 64.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	GHOCM, 30%G, 30%M, 40%O	0.870
93.00	GO, 30%G, 70%O	1.305
0.00	434' of G.I.P.	0.000

Total Length: 155.00 ft Total Volume: 2.175 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

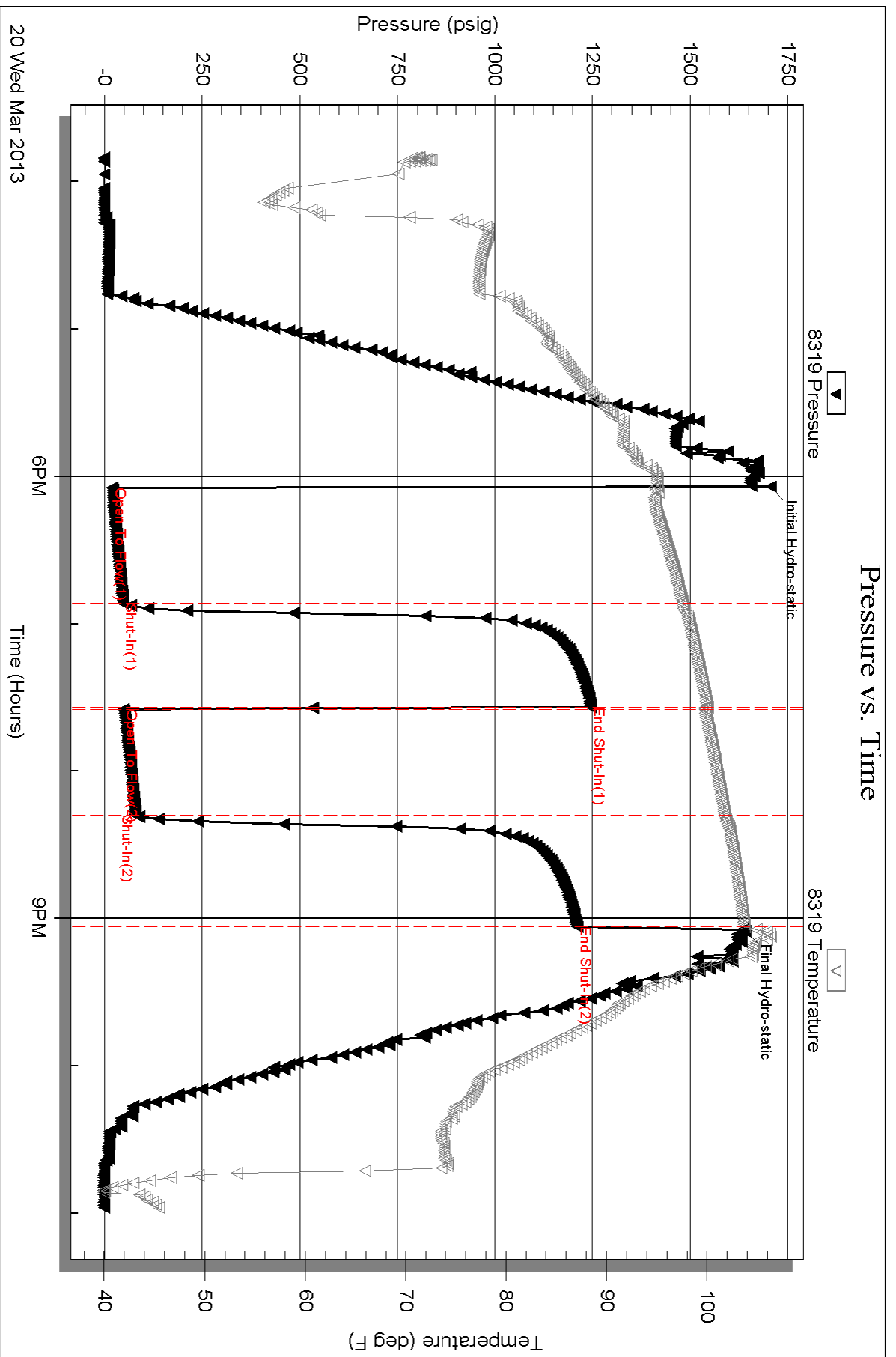
Serial #: 8319

Inside

H&C Oil Co

Gosselin Unit #25-1

DST Test Number: 5



Triobite Testing, Inc

Ref. No: 52161

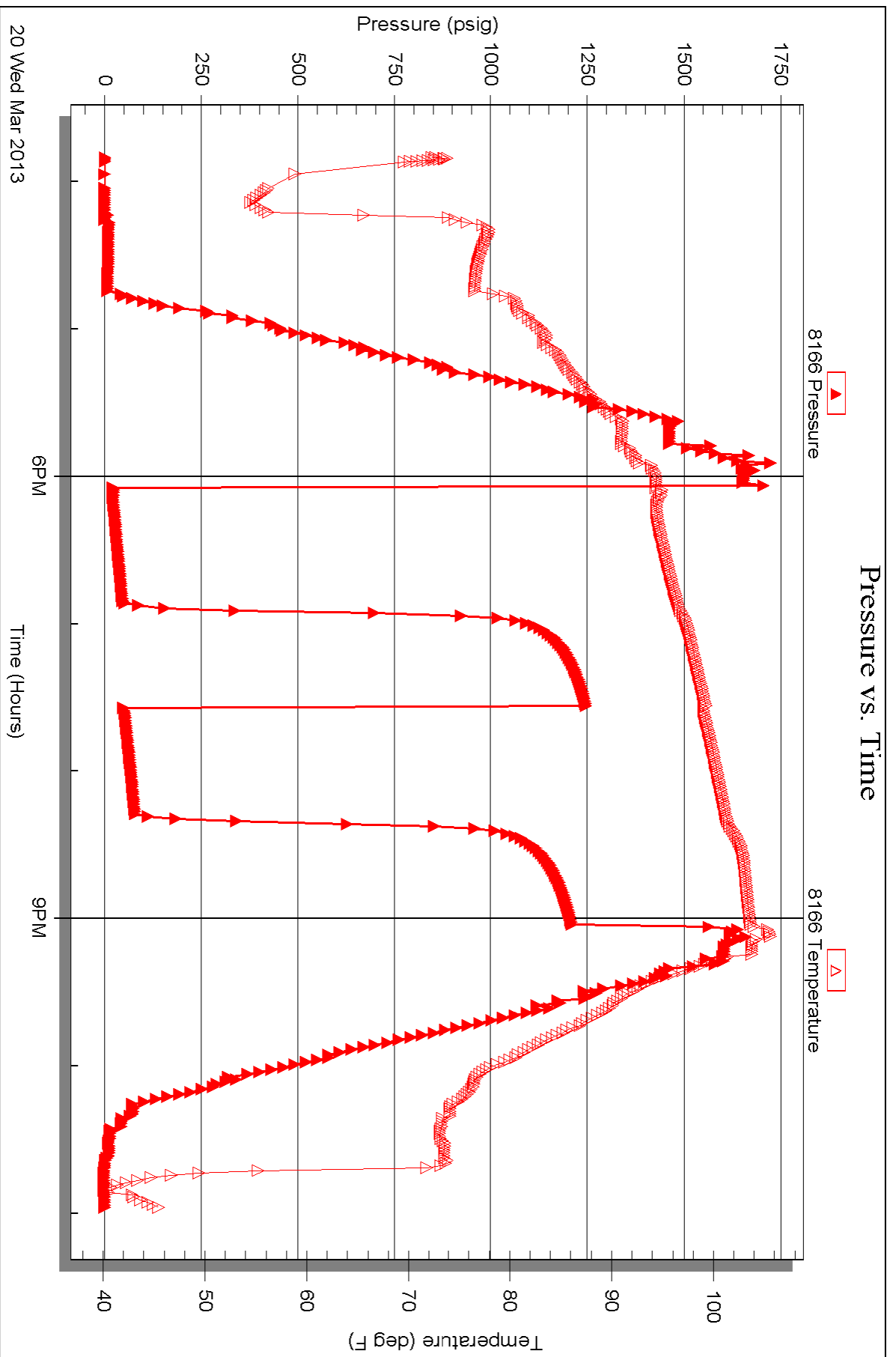
Printed: 2013.03.22 @ 16:18:48

Serial #: 8166

Outside H&C Oil Co

Gosselin Unit #25-1

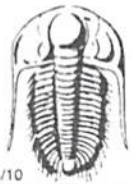
DST Test Number: 5



Triobite Testing, Inc

Ref. No: 52161

Printed: 2013.03.22 @ 16:18:49



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52157

Well Name & No. Gosselin unit 25-1 Test No. 1 Date 3-18-13
 Company H & C Oil Company Elevation 2101 KB 2096 GL
 Address Po Box 86, Plainville KS, 67663
 Co. Rep / Geo. Mark Rig American Eagle
 Location: Sec. 25 Twp. 8s Rge. 22W Co. Graham State KS

Interval Tested 3324 - 3358 Zone Tested LKC "A"
 Anchor Length 34' Drill Pipe Run 3312 Mud Wt. 8.8
 Top Packer Depth 3319 Drill Collars Run - Vis 60
 Bottom Packer Depth 3324 Wt. Pipe Run - WL 6.8
 Total Depth 3358 Chlorides 900 ppm System LCM -

Blow Description IF - B.O.B. in 5 Minutes
FSI - No return
FF B.O.B. in 7 Minutes
FSI - No return

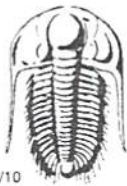
Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>WM</u>			<u>20%</u>	<u>80%</u>
<u>620</u>	<u>MW</u>			<u>95%</u>	<u>5%</u>
<u>124'</u>	<u>MW</u>			<u>70%</u>	<u>30%</u>

Rec Total 806 BHT 112° Gravity - API RW .41 @ 40 ° F Chlorides 38000 ppm
 (A) Initial Hydrostatic 1593 Test 1150 T-On Location 8:41am
 (B) First Initial Flow 29 Jars T-Started 10:00am
 (C) First Final Flow 189 Safety Joint T-Open 11:58am
 (D) Initial Shut-In 1072 Circ Sub T-Pulled 2:28pm
 (E) Second Initial Flow 195 Hourly Standby T-Out 4:17pm
 (F) Second Final Flow 337 Mileage 113 RT 175.15 Comments
 (G) Final Shut-In 1063 Sampler
 (H) Final Hydrostatic 1551 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies

Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 45
 Sub Total 1325.15

Approved By _____ Our Representative Cody [Signature]

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52158

Well Name & No. Gosselin Unit 25-1 Test No. 2 Date 3-18-13
 Company H&C Oil Company Elevation 2101 KB 2096 GL
 Address Plainville KS, 67663
 Co. Rep / Geo. Marc Rig American Eagle 3
 Location: Sec. 25 Twp. 8s Rge. 22w Co. Graham State KS

Interval Tested 3355 - 3380 Zone Tested LKC "C"
 Anchor Length 25' Drill Pipe Run 3341' Mud Wt. 8.8
 Top Packer Depth 3350 Drill Collars Run — Vis 60
 Bottom Packer Depth 3355 Wt. Pipe Run — WL 6.8
 Total Depth 3380 Chlorides 900 ppm System LCM —

Blow Description ±F - B.O.B. in 2 Minutes
ISI - No return
FF - B.O.B. in 4 Minutes
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>124</u>	<u>WM</u>		<u>30</u>	<u>70</u>	
<u>1116</u>	<u>MW</u>		<u>98</u>	<u>2</u>	
<u>186</u>	<u>MW</u>		<u>60</u>	<u>40</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

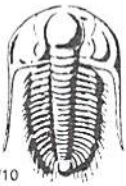
Rec Total 1426 BHT 114° Gravity — API RW .23 @ 50° F Chlorides 44,000 ppm

(A) Initial Hydrostatic 1608 Test 1150 T-On Location 10:24pm
 (B) First Initial Flow 46 Jars 250 T-Started 10:43pm
 (C) First Final Flow 415 Safety Joint _____ T-Open 12:55am
 (D) Initial Shut-In 1053 Circ Sub _____ T-Pulled 2:55am
 (E) Second Initial Flow 426 Hourly Standby _____ T-Out 4:50am
 (F) Second Final Flow 648 Mileage 113 RT 175.15 Comments _____
 (G) Final Shut-In 1052 Sampler _____
 (H) Final Hydrostatic 1568 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Sub Total 1575.15
 Total 1575.15
 MP/DST Disc't _____

Approved By _____ Our Representative Cody Blue

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52159

Well Name & No. Gosselin Unit 25-1 Test No. 3 Date 3-19-13
 Company H&C Oil Company Elevation 2101 KB 2096 GL
 Address Po Box 86, Plainville KS, 67663
 Co. Rep / Geo. Marc Rig American Eagle #3
 Location: Sec. 25 Twp. 8s Rge. 22W Co. Graham State KS

Interval Tested 3376 - 3409 Zone Tested LKC "D+E"
 Anchor Length 33' Drill Pipe Run 3382' Mud Wt. 8.9
 Top Packer Depth 3371 Drill Collars Run - Vis 64
 Bottom Packer Depth 3376 Wt. Pipe Run - WL 6.4
 Total Depth 3409 Chlorides 1,000 ppm System LCM -

Blow Description IF - 8" blow
ISI - No return
FF - 4" blow
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>248</u>	<u>MW</u>			<u>60</u>	<u>40</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

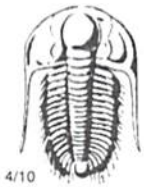
Rec Total 248 BHT 109° Gravity - API RW .10 @ 54 °F Chlorides 125,000 ppm

(A) Initial Hydrostatic 1615 Test 1150 T-On Location 11:30 am
 (B) First Initial Flow 16 Jars 250 T-Started 11:50 am
 (C) First Final Flow 74 Safety Joint _____ T-Open 1:24 pm
 (D) Initial Shut-In 1060 Circ Sub _____ T-Pulled 4:24 pm
 (E) Second Initial Flow 77 Hourly Standby _____ T-Out 5:49 pm
 (F) Second Final Flow 130 Mileage 113 RT 175.15 Comments _____
 (G) Final Shut-In 1041 Sampler _____
 (H) Final Hydrostatic 1578 Straddle _____
 Shale Packer _____
 Ruined Shale Packer _____
 Ruined Packer _____

Initial Open 45 Extra Packer _____
 Initial Shut-In 45 Extra Recorder _____
 Final Flow 45 Day Standby _____
 Final Shut-In 45 Accessibility _____
 Sub Total 1575.15

Approved By _____ Our Representative Cody Blair

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52160

Well Name & No. Gosselin Unit 25-1 Test No. 4 Date 3-20-13
 Company H+C Oil Company Elevation 2101 KB 2096 GL
 Address Po Box 86, Plainville KS, 67663
 Co. Rep / Geo. Marc Rig _____
 Location: Sec. 25 Twp. 8s Rge. 22w Co. Graham State KS

Interval Tested 3440 - 3500 Zone Tested "H-5" LKC
 Anchor Length 60' Drill Pipe Run 3436' Mud Wt. 8.9
 Top Packer Depth 3435 Drill Collars Run — Vis 64
 Bottom Packer Depth 3440 Wt. Pipe Run — WL 6.4
 Total Depth 3500 Chlorides 1,000 ppm System LCM —

Blow Description IF - 3/4" blow
ISI - No return
FF - 1/2" blow
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>SOCM</u>	<u>10</u>		<u>90</u>	
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 101° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1675</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>3:20 am</u>
(B) First Initial Flow <u>32</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>3:50 am</u>
(C) First Final Flow <u>32</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>5:38 am</u>
(D) Initial Shut-In <u>879</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>7:38 am</u>
(E) Second Initial Flow <u>33</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>9:06 am</u>
(F) Second Final Flow <u>35</u>	<input checked="" type="checkbox"/> Mileage <u>113 RT</u> 175.15	Comments _____
(G) Final Shut-In <u>741</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1644</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

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

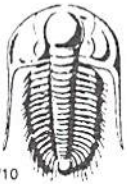
Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Sub Total 1575.15

Sub Total 0
 Total 1575.15
 MP/DST Disc't _____

Approved By _____ Our Representative Cody Blush

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52161

Well Name & No. Gosselin Unit 25-1 Test No. 5 Date 3-20-13
 Company H2C Oil Company Elevation 2101 KB 2096 GL
 Address Po Box 86, Plainville KS, 67663
 Co. Rep / Geo. MARC Rig American Eagle 3
 Location: Sec. 25 Twp. 8s Rge. 22w Co. Graham State KS

Interval Tested 3495 - 3530 Zone Tested LKC K&L
 Anchor Length 35 Drill Pipe Run 3498 Mud Wt. 8.9
 Top Packer Depth 3490 Drill Collars Run — Vis 64
 Bottom Packer Depth 3495 Wt. Pipe Run — WL 6.4
 Total Depth 3530 Chlorides 1,000 ppm System LCM —

Blow Description IF - B.O.B. in 14 Minutes
ISI - Surface return
FF - B.O.B. in 11 Minutes
FSI - Surface return

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>6HOCM</u>	<u>30</u>	<u>40</u>	<u>30</u>	
<u>93</u>	<u>60</u>	<u>30</u>	<u>70</u>		
	<u>434 G.I.P.</u>				

Rec Total 155' BHT 103° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1705 Test 1150 T-On Location 3:04 pm
 (B) First Initial Flow 19 Jars 250 T-Started 3:50 pm
 (C) First Final Flow 47 Safety Joint — T-Open 6:03 pm
 (D) Initial Shut-In 1246 Circ Sub — T-Pulled 9:03 pm
 (E) Second Initial Flow 48 Hourly Standby — T-Out 10:57 pm
 (F) Second Final Flow 79 Mileage 113RT 175.15
 (G) Final Shut-In 1210 Sampler —
 (H) Final Hydrostatic 1641 Straddle —

Ruined Shale Packer —
 Ruined Packer —
 Extra Copies —
 Initial Open 45 Extra Packer —
 Initial Shut-In 45 Extra Recorder —
 Final Flow 45 Day Standby —
 Final Shut-In 45 Accessibility —
 Sub Total 1575.15 Sub Total 0
 Total 1575.15 MP/DST Disc't —

Approved By — Our Representative Cody Blesh

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.

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



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

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

Sam Brownback, Governor

May 09, 2013

Charles Ramsay
H & C Oil Operating Inc.
PO BOX 86
PLAINVILLE, KS 67663-0086

Re: ACO1
API 15-065-23896-00-00
Gosselin Unit 25-1
SE/4 Sec.25-08S-22W
Graham 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,
Charles Ramsay

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6576

Date 3-8-13 Sec 25 Twp. 8 Range 22 County Crawford State KS On Location 4.00pm
 Lease Coosline Unit Well No. 25-1 Location Basque 5 to RDO 1W 5mb Finish

Contractor Ames an Esch
 Type Job Surface
 Hole Size 12 1/4
 Csg. 8 5/8
 T.D. 236
 Depth
 Tbg. Size
 Depth
 Tool
 Depth
 Cement Left in Csg. 20#
 Shoe Joint 20#
 Displace 1329 BB

The above was done to satisfaction and supervision of owner agent or contractor.
 Cement Amount Ordered 160 3BCC 2409-1

EQUIPMENT	
Pumptrk	5 No. Cementer/Helper <u>160</u>
Bulktrk	13 No. Driver <u>3</u>
Bulktrk	24 No. Driver <u>5</u>

JOB SERVICES & REMARKS

Remarks:
 Rat Hole
 Mouse Hole
 Centralizers
 Baskets
 DV or Port-Collar
 Mud CLR 48
 CFL-117 or CD110 CAF 38
 Sand
 Handling 160
 Mileage
 Guide Shoe
 Centralizer
 Baskets
 AFU Inserts
 Float Shoe
 Latch Down
 Common
 Poz. Mix
 Gel
 Calcium
 Hulls
 Salt
 Flowseal
 Kol-Seal
 Mud CLR 48
 CFL-117 or CD110 CAF 38
 Sand
 Handling 160
 Mileage
 Guide Shoe
 Centralizer
 Baskets
 AFU Inserts
 Float Shoe
 Latch Down

Cement did Circulate
 Pumptrk Charge Surface
 Mileage 51
 Dispoint
 Tax
 Dispoint
 Tax

