

ORIGINAL

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

11/12/10

OPERATOR: License # 34038
Name: Flatirons resources LLC
Address 1: 303 E. 17th Ave
Address 2: Suite 940
City: Denver State: CO Zip: 80203
Contact Person: John Marvin
Phone: (303) 292-3902 ext 229
CONTRACTOR: License # 33575
Name: WW Drilling, LLC
Wellsite Geologist: Tim Priest
Purchaser: Texon L.P.

KCC

NOV 12 2010

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Designate Type of Completion:

- Checkboxes for New Well, Re-Entry, Workover, Oil, Gas, OG, CM, Cathodic, WSW, D&A, ENHR, GSW, SIOW, SIGW, Temp. Abd., and Other (Core, Expl., etc.).

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

Operator:
Well Name:

Original Comp. Date: Original Total Depth:

- Checkboxes for Deepening, Re-perf., Conv. to ENHR, Conv. to SWD, Conv. to GSW, Plug Back, Commingled, Dual Completion, SWD, ENHR, GSW, and Permit # fields.

9/22/2010 9/29/2010 10/26/2010
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 065-23678-00-00

Spot Description:

NE NE NW NW Sec. 19 Twp. 6 S. R. 21
140 Feet from North / South Line of Section
1,100 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- Checkboxes for NE, NW, SE, SW

County: Graham

Lease Name: Worcester Unit Well #: 11-19

Field Name: wildcat

Producing Formation: Lansing KC & Toronto

Elevation: Ground: 2299 Kelly Bushing: 23.4

Total Depth: 3865 Plug Back Total Depth: 3831

Amount of Surface Pipe Set and Cemented at: 259 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: 1916 Feet

If Alternate II completion, cement circulated from:
feet depth to: w/ sx cm.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 2000 ppm Fluid volume: 1000 bbls

Dewatering method used: air dry - backfill

Location of fluid disposal if hauled offsite:

Operator Name:

Lease Name: License #:

Quarter Sec. Twp. S. R. East West

County: Permit #:

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature:
Title: Managing Director Date: 11/12/2010

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- Checkboxes for Letter of Confidentiality Received, Confidential Release Date, Wireline Log Received, Geologist Report Received, UIC Distribution, and Approved by: NS Date: 11-18-10

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Operator Name: Flatirons resources LLC Lease Name: Worcester Unit Well #: 11-19
 Sec. 19 Twp. 6 S. R. 21 East West County: Graham

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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No	Anhydrite - top	1956 348
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Anhydrite - base	1988 316
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Topeka	3306 -1002
List All E. Logs Run:		Lansing	3554 -1250
Dual Induction, Dual Compensated Porosity, Borehole		Base/ Kansas City	3746 -1360
Compensated, Microresistivity, Sonic Cement Bond		Penn Conglomerate	3796 -1492
		TD	3868 -1564

CASING RECORD <input checked="" 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
Surface	12 1/4"	8 5/8"	23#	259	common	165	3%cc, 2% gel
Production	7 7/8"	5 1/2"	15.5#	3860	common	350	QMDC 1/4# floeal

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	1916	60/40	150	10% salt, 5% gilsonite

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
4	3626'-3634'		
4	3555'-3559'		
4	3537'-3541'	treated w/ 500 gal. 15% MCA	3537-3541'
CIBP	3577' 3610'		

TUBING RECORD: Size: <u>2 7/8"</u> Set At: <u>3614</u> Packer At: <u>3520'</u> Liner Run: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		RECEIVED NOV 13 2010	
Date of First, Resumed Production, SWD or ENHR. <u>11/5/2010</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____		
Estimated Production Per 24 Hours	Oil Bbls. <u>95</u>	Gas Mcf <u>0</u>	Water Bbls. <u>2</u> 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>all perms above CIBP</u>
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'ALLIED CEMENTING CO. LLC

10722

Russell, KS
785-483-2003

(ACID)
P.O. Box 31
Russell, Kansas 67665
785-483-2627

KCC

Medicine Lodge, KS
620-886-5926

NOV 12 2010

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Date	10-8-10		PO#	Verbal - Bret H		Location	N W Boque Ks				
Owner	Flatiron's		Lease	Worcester		Well	#11-19	County	Graham	State	Ks
Station	Russell		Section	Township	Range	Formation	LKC G		Contractor	Renegade w/s	

WELL DATA				PERFORATIONS		TREATMENT		INFO:	
	SIZE	WEIGHT	DEPTH	VOLUME	SHOTS FT.	Max. Pressure		To: Allied Cementing Company LLC (ACID)	
TUBING	2 7/8		3614	20.93	From 3626 to 3634	550		You are hereby requested to rent acidizing equipment to do work as listed.	
CASING	5 7/8		3634	14	From to		Avg. Inj. Rate		
OPEN HOLE				21.41	From to			Charge To: Flatiron's	
PKR			3614		From to		Total Fluid Pumped	Street	
TDPB			3654		From to		334 Bbls.	City	State

TREATMENT LOG

TIME A.M./P.M.	PRESSURE		TOTAL FLUID PUMPED	FLUID IN FORMATION	INDIVIDUAL FLUID PUMPED	INJECTION RATE	EXPLANATION
	TBG	CSG					
9:35	0		0			3.0	Spot acid 12 acid 4 1/2 flush
9:46	0		16.5			0	Set packer
9:51	0		16.5			2.75	Start flush to lead
9:53	0		21.4			2.0	Pumped tubing volume no press
9:54	0		22.0			1.25	Tubing loaded late zone taking flush
9:55	250		25.4			1.30	Start triplex & pressure up
9:58	500		26.5			1.30	Pressure increased
10:00	425		27.2			1.30	Pressure break
10:01	425		27.6			1.30	" "
10:02	500		27.8			1.50	Increased rate & pressure
10:02	550		28.1			1.50	Pressure increased
10:04	500		28.8			1.50	Pressure break
10:04	425		29.8			1.50	" "
10:07	350		31.0			1.50	" "
10:09	300		31.4			1.50	" "
10:10	250		32.0			1.50	" "
10:11	200		32.5			1.50	" "
10:12	150		33.1			1.50	" "
10:12	100		33.4			1.50	" "
10:13	0						Tubing & casing clear PSIP 100 Zero & slight use 1 min Job Complete

Thank you!
David D. Quatling

EQUIPMENT AND PERSONNEL	MATERIALS USED	AMOUNT	UNIT PRICE	TOTAL COST
David D	Standard pump Trk	1	650.00	650.00
	Mileage (Hays)	61	4.00	244.00
	15% mud cleanup acid	500 gal	1.79	895.00
	DMO	1 1/2 gal	28.00	42.00
	Inhibitor	2 gal	34.50	69.00

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New Producer..... <input checked="" type="checkbox"/>	Terms: <u>18% 10</u> discount will be allowed if paid in 30 days from invoice date.	Sub-Total	1900.00
Old Producer..... <input type="checkbox"/>		Tax	
Old Producer- New Zones..... <input type="checkbox"/>		Total	
New SWD or Injection..... <input type="checkbox"/>			
Old SWD or Injection..... <input type="checkbox"/>			
Pressure Test..... <input type="checkbox"/>	Customer Signature	Customer Print Name	

As consideration, the above names (well owner or contractor) agrees to: (a) pay you in accordance with your current price schedule; (b) Allied Cementing Company LLC (ACID) shall not be liable for damage to property of well owner and/or customer unless caused by its willful negligence. This provision applying but not limited to subsurface damage and surface damage arising from subsurface damage. Well owner and/or customer shall be responsible for and secure Allied Cementing Company LLC (ACID) against any liability for reservoir loss or damage, or property damage arising from a well blowout, unless such loss or damage is caused by willful negligence of Allied Cementing Company LLC (ACID). If equipment or instruments of Allied Cementing Company LLC (ACID) are lost or damaged at the well, well owner and/or customer shall either recover the same or pay for such equipment or instruments unless, however, such loss or damage is caused by the negligence of Allied Cementing Company LLC (ACID); (c) that you make no guarantee of the effectiveness of the materials to be used or the results of treatments; and (d) that you will not be bound by any representation or agreement not herein contained. It is understood you will pay wages (and payroll taxes and withholding thereon) and comply with workman's compensation statutes applicable to servicemen you furnish.

QUALITY OILWELL CEMENTING, INC.

KCC

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

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

No. 4577

NOV 12 2010

Date	9-30-10	Sec.	19	Twp.	6	Range	21	County	Graham	State	Ks	On Location		Finish	3:15 AM
Lease	Worcester unit			Well No.	#11-19			Location	Hill City, Ks N to Y Rd, NE / 3W						
Contractor	W.W. Rig #4							Owner	E/S						
Type Job	production								To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.						
Hole Size	2 7/8"			T.D.	3865'			Charge To	Flatiron Resources						
Csg.	5 1/2"			Depth	3860'			Street							
Tbg. Size				Depth				City	State						
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.	22.00			Shoe Joint	22.00			Cement Amount Ordered	350 sx QMDC 1/4# Flo-Seal						
Meas Line				Displace	H2O 434										

EQUIPMENT

Pumptrk	9	No.	Cement Helper	Wade	Common	350
Bulktrk	12	No.	Driver	Drury	Poz. Mix	
Banktrk p.u.		No.	Driver	Rick	Gel.	

JOB SERVICES & REMARKS

Remarks:	Calcium
Rat Hole	Hulls
30 sx QMDC	Salt
Mouse Hole	Flowseal
N/A	87 II
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
1916'	Sand
Hook to pump truck	Handling
* plug Rat hole with 30 sx QMDC, shut down Hook to casing & mix 315 sx QMDC shut down, wash pump & lines.	350
Hook to 5 1/2" casing & Displace with 4 1/2 # BS H2O, landed plug to 1200H, Release and held. Rigged down.	Mileage
Cement did Circulate	
20 sx to pit	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

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KCC WICHITA

Pumptrk Charge Top Stage
Mileage 50

Tax
Discount
Total Charge

X Signature

[Handwritten Signature]

DEFINITIONS: In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

- TERMS: Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

- ATTORNEY FEES: In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

- PRICES AND TAXES: All merchandise listed in "QUALITY'S" current price schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

- TOWING CHARGES: QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

- PREPARATION CHARGES: If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

- DEADHAUL, CHARGES: Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

- SERVICE CONDITIONS AND LIABILITIES: 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be constructed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

QUALITY OILWELL CEMENTING, INC.

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

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

KCC

No. 4576

NOV 12 2010

Date	9-29-10	Sec.	19	Twp.	6	Range	21	County	Graham	State	Ks	On Location	CONFIDENTIAL	Finish	1:00 AM
Lease	Worcester unit			Well No.	#11-19			Location	Hilcity, Ks N to Y Rd, NE, 3N						
Contractor	W-W Rig #4							Owner	EK						
Type Job	production							Bottom	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.						
Hole Size	7 7/8"			T.D.	3865'			Charge To	Flatiron Resources						
Csg.	5 1/2"			Depth	3860'			Tbg. Size	Depth						
Tool	DU Tool			Depth	19 1/6'			Street	City State						
Cement Left in Csg.	22.00'			Shoe Joint	22.00'			The above was done to satisfaction and supervision of owner agent or contractor.							
Meas Line	Displace 91 1/2 BBLs			Cement Amount Ordered				150 sx Common 10% Salt							

EQUIPMENT

Pumptrk	9	No.	Cementer	Neale
			Helper	
Bulktrk	8	No.	Driver	Downs
			Driver	
Bulktrk	f.u.	No.	Driver	Rick
			Driver	

5% Gilsomite
Common 150
Poz. Mix
Gel.

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole 44

Centralizers 9, 6, 2, 4, 6, 8, 10, 11, 13, 15, 17

Baskets 46

D/V or Port Collar 46# J+ - 19 1/6'

Calcium

Hulls

Salt 15

Flowseal

Kol-Seal 750#

Mud CLR 48 500 gal

CFL-117 or CD110 CAF 38

pump 500 gal mud clear 48 mix 150 sx Common 10% salt 5% Gilsomite. shut down, wash pump & lines, Released plug and displaced with 44 BBLs water and 47 1/2 BBLs of rig mud. Land plug to 1000#, Released & held. Drop dash wait 10 min, pump to open tool at 800#, wash up Huck & Circulate again with the Rig.

Sand

Handling 165

Mileage

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	11
Baskets	1
AFU Inserts	
Float Shoe	1
Latch Down	1-DU Tool w/ Latch Down Assy (Bottom)
Pumptrk Charge	prod Long string stage
Mileage	50

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NOV 12 2010
KCC WICHITA

150' Rotating Scratchers	Tax
	Discount
	Total Charge

X Signature

[Handwritten Signature]

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- **ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

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(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be constructed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

QUALITY OILWELL CEMENTING, INC.

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

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

KCC

No. 4313

NOV 12 2010

Date	9-22-10	Sec.	19	Twp.	6	Range	21	County	Cartham	State	KS	Finish	10:00pm
Lease	Worcester	Well No.	11-19		Location								MILK T/N 4 RD 7E 32 ENCO
Contractor	WW #4							Owner					
Type Job	Surface							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.					
Hole Size	12 1/4		T.D.		261		Charge To						Flat Irons
Csg.	8 5/8 13"		Depth		259		Street						
Tbg. Size			Depth				City						State
Tool			Depth				City						State
Cement Left in Csg.	15'		Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line			Displace		15 1/2 B L		Cement Amount Ordered						165 com 3% LL 2% bel
EQUIPMENT													
Pumptrk	5	No.	Cementer	Charg		Common						165	
Bulktrk		No.	Helper			Poz. Mix							
Bulktrk	12	No.	Driver	Paul		Gel.						3	
Bulktrk		No.	Driver	Dmy		Calcium						6	
JOB SERVICES & REMARKS													
Remarks:	8 5/8 on bottom for circulation. Mix 1/2 sec & Displace. Cement Circulated!												
Rat Hole													
Mouse Hole													
Centralizers													
Baskets													
D/V or Port Collar	CFL-117 or CD110 CAF 38												
	Sand												
	Handling 174												
	Mileage												
FLOAT EQUIPMENT													
	Guide Shoe												
	Centralizer												
	Baskets												
	AFU Inserts												
	Float Shoe												
	Latch Down												
	RECEIVED												
	NOV 13 2010												
	KCC WICHITA												
	Pumptrk Charge												
	Surface Job												
	Mileage												
	50												
	Tax												
	Discount												
	Total Charge												
X Signature	[Handwritten Signature]												

DEFINITIONS: In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

- **TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

- **ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

- **PRICES AND TAXES:** All merchandise listed in "QUALITY'S" current price schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

- **TOWING CHARGES:** QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

- **PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

- **DEADHAUL, CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

- **SERVICE CONDITIONS AND LIABILITIES:** 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

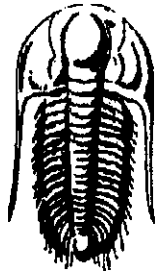
3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Flatirons Res LLC**

303 E 17th Ave Ste 940
Denver Co 80203

ATTN: John Marvin

19-6-21 Graham,Ks

Worcester Unit # 11-19

Start Date: 2010.09.25 @ 19:05:23

End Date: 2010.09.26 @ 01:52:08

Job Ticket #: 039948 DST #: 1

**KCC
NOV 12 2010
CONFIDENTIAL**

**RECEIVED
NOV 16 2010
KCC WICHITA**

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Flatirons Res LLC
303 E 17th Ave Ste 940
Denver Co 80203
ATTN: John Marvin

Worcester Unit # 11-19
19-6-21 Graham, Ks
Job Ticket: 039948 DST#: 1
Test Start: 2010.09.25 @ 19:05:23

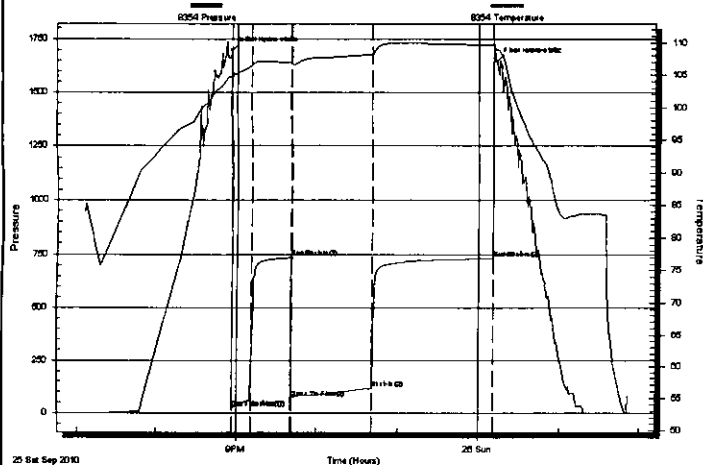
GENERAL INFORMATION:

Formation: **Oread**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:56:23
Time Test Ended: 01:52:08
Interval: **3442.00 ft (KB) To 3485.00 ft (KB) (TVD)**
Total Depth: 3485.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 38
Reference Elevations: 2304.00 ft (KB)
2299.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8354 Inside
Press@RunDepth: 114.97 psig @ 3445.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.09.25 End Date: 2010.09.26 Last Calib.: 2010.09.26
Start Time: 19:05:24 End Time: 01:52:08 Time On Btm: 2010.09.25 @ 20:55:38
Time Off Btm: 2010.09.26 @ 00:12:53

TEST COMMENT: IF-Weak building to 4"
FF-Weak building to 4"

Pressure vs. Time



PRESSURE SUMMARY

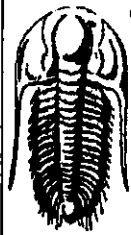
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1695.39	104.82	Initial Hydro-static
1	22.51	104.32	Open To Flow (1)
15	62.05	106.42	Shut-In(1)
45	732.93	106.91	End Shut-In(1)
46	69.74	106.69	Open To Flow (2)
105	114.97	108.24	Shut-In(2)
195	729.63	109.65	End Shut-In(2)
198	1643.06	108.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Wtr	0.59
60.00	Silty OCM 3% o 97% m	0.81
20.00	OCM 30% o 70% m	0.28
20.00	CO	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatirons Res LLC
303 E 17th Ave Ste 940
Denver Co 80203
ATTN: John Marvin

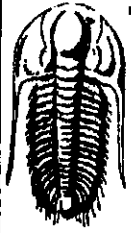
Worcester Unit # 11-19
19-6-21 Graham, Ks
Job Ticket: 039948 **DST#: 1**
Test Start: 2010.09.25 @ 19:05:23

Tool Information

Drill Pipe:	Length: 3310.00 ft	Diameter: 3.80 inches	Volume: 46.43 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 47.03 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3442.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	71.00 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			3415.00	
Shut In Tool	5.00			3420.00	
Hydraulic tool	5.00			3425.00	
Jars	5.00		*	3430.00	
Safety Joint	3.00		*	3433.00	
Packer	5.00			3438.00	28.00 Bottom Of Top Packer
Packer	4.00			3442.00	
Stubb	1.00			3443.00	
Perforations	1.00			3444.00	
Change Over Sub	1.00			3445.00	
Recorder	0.00	8354	Inside	3445.00	
Recorder	0.00	8520	Outside	3445.00	
Drill Pipe	31.00			3476.00	
Change Over Sub	1.00			3477.00	
Perforations	5.00			3482.00	
Bullnose	3.00			3485.00	43.00 Bottom Packers & Anchor
Total Tool Length:	71.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Res LLC
303 E 17th Ave Ste 940
Denver Co 80203
ATTN: John Marvin

Worcester Unit # 11-19
19-6-21 Graham, Ks
Job Ticket: 039948 DST#: 1
Test Start: 2010.09.25 @ 19:05:23

Mud and Cushion Information

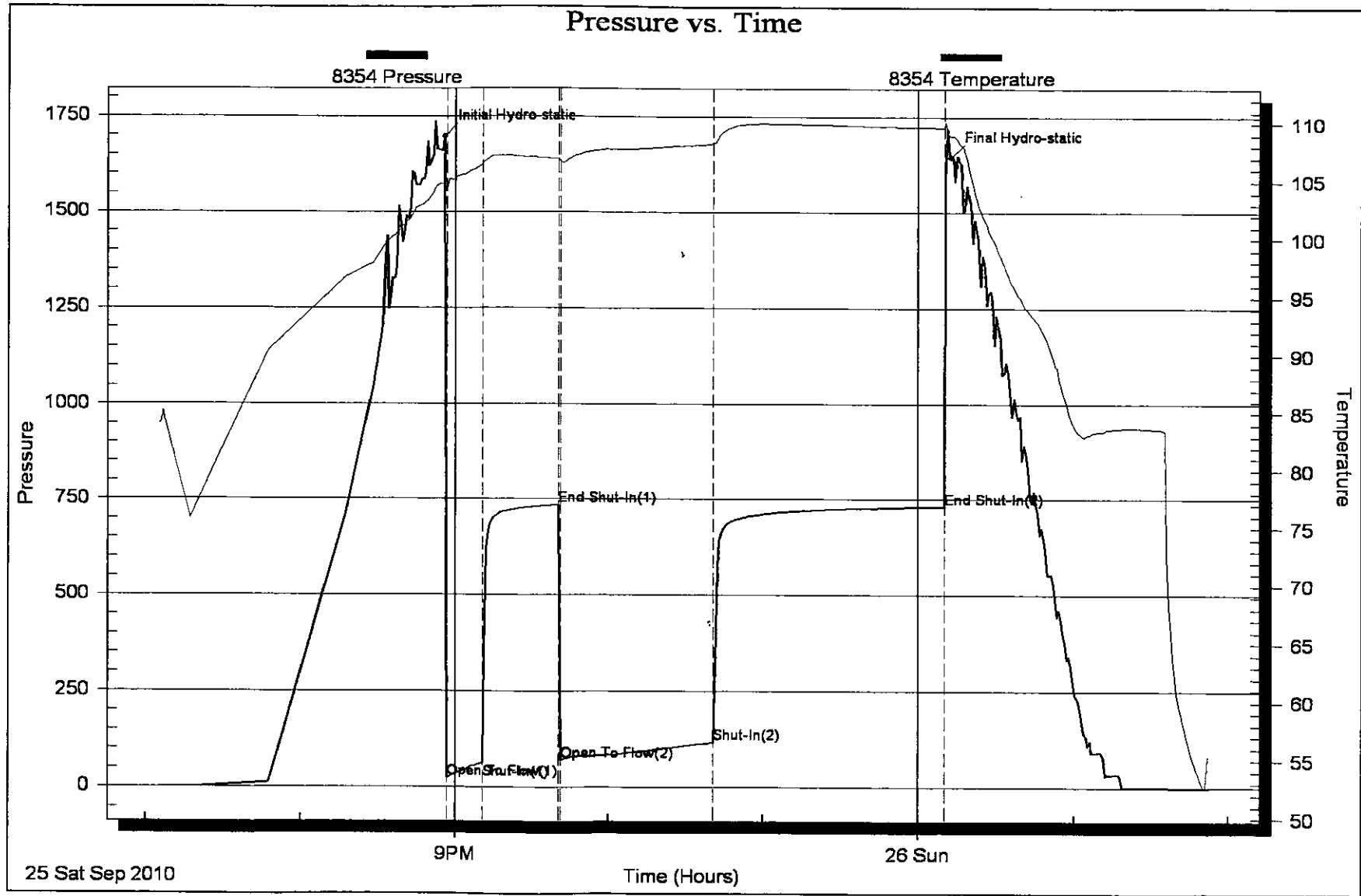
Mud Type: Gel Chem	Cushion Type:	Oil API:	30 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.57 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 900.00 ppm			
Filter Cake: inches			

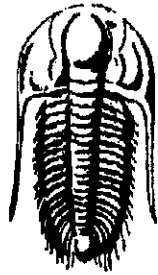
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Wr	0.590
60.00	Silty OCM 3%o 97%m	0.814
20.00	OCM 30%o 70%m	0.281
20.00	CO	0.281

Total Length: 220.00 ft Total Volume: 1.966 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Flatirons Res LLC**

303 E 17th Ave Ste 940
Denver Co 80203

ATTN: John Marvin

19-6-21 Graham,Ks

Worcester Unit # 11-19

Start Date: 2010.09.26 @ 10:30:10

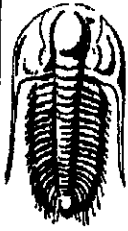
End Date: 2010.09.26 @ 18:32:40

Job Ticket #: 039949 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Flatirons Res LLC
303 E 17th Ave Ste 940
Denver Co 80203
ATTN: John Marvin

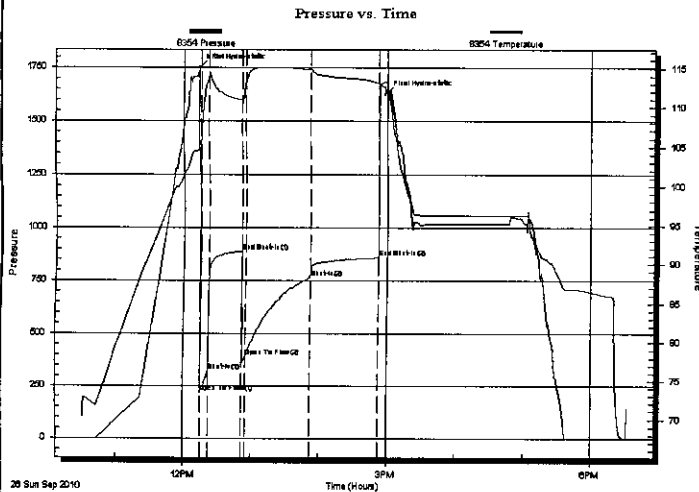
Worcester Unit # 11-19
19-6-21 Graham, Ks
Job Ticket: 039949 DST#: 2
Test Start: 2010.09.26 @ 10:30:10

GENERAL INFORMATION:

Formation: **Toronto/A**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 12:14:25
Time Test Ended: 18:32:40
Interval: **3500.00 ft (KB) To 3560.00 ft (KB) (TVD)**
Total Depth: **3560.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Dan Bangle**
Unit No: **38**
Reference Elevations: **2304.00 ft (KB)**
2299.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 8354 Inside
Press@RunDepth: **763.57 psig @ 3503.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.09.26** End Date: **2010.09.26** Last Calib.: **2010.09.26**
Start Time: **10:30:11** End Time: **18:32:40** Time On Btm: **2010.09.26 @ 12:13:25**
Time Off Btm: **2010.09.26 @ 14:58:25**

TEST COMMENT: IF-Strong B-B in 45 sec
ISI-Strong B-B in 11 min
FF-Strong B-B in 1 min GTS in 56 min
FSI-Strong B-B in 7 min



PRESSURE SUMMARY

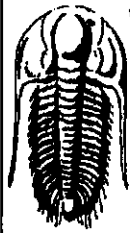
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1750.19	104.58	Initial Hydro-static
1	219.83	104.69	Open To Flow (1)
9	323.10	113.92	Shut-In(1)
38	888.28	111.00	End Shut-In(1)
42	392.98	113.39	Open To Flow (2)
99	763.57	114.80	Shut-In(2)
159	857.71	113.19	End Shut-In(2)
165	1625.30	113.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbt)
185.00	OCgsyM 20%g 40%o 40%m	1.47
1915.00	CGsyO 30%g 70%o	26.86
0.00	GTS	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatirons Res LLC
303 E 17th Ave Ste 940
Denver Co 80203
ATTN: John Marvin

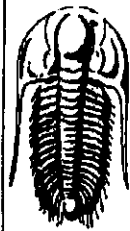
Worcester Unit # 11-19
19-6-21 Graham, Ks
Job Ticket: 039949 DST#: 2
Test Start: 2010.09.26 @ 10:30:10

Tool Information

Drill Pipe:	Length: 3373.00 ft	Diameter: 3.80 inches	Volume: 47.31 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 47.91 bbl</u>	Tool Chased 8.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3500.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	88.00 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			3473.00	
Shut In Tool	5.00			3478.00	
Hydraulic tool	5.00			3483.00	
Jars	5.00			3488.00	
Safety Joint	3.00			3491.00	
Packer	5.00			3496.00	28.00 Bottom Of Top Packer
Packer	4.00			3500.00	
Stubb	1.00			3501.00	
Perforations	1.00			3502.00	
Change Over Sub	1.00			3503.00	
Recorder	0.00	8354	Inside	3503.00	
Recorder	0.00	8520	Outside	3503.00	
Drill Pipe	31.00			3534.00	
Change Over Sub	1.00			3535.00	
Perforations	22.00			3557.00	
Bullnose	3.00			3560.00	60.00 Bottom Packers & Anchor
Total Tool Length:	88.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Res LLC
303 E 17th Ave Ste 940
Denver Co 80203

Worcester Unit # 11-19
19-6-21 Graham, Ks
Job Ticket: 039949 **DST#: 2**
Test Start: 2010.09.26 @ 10:30:10

ATTN: John Marvin

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: ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.58 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 900.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

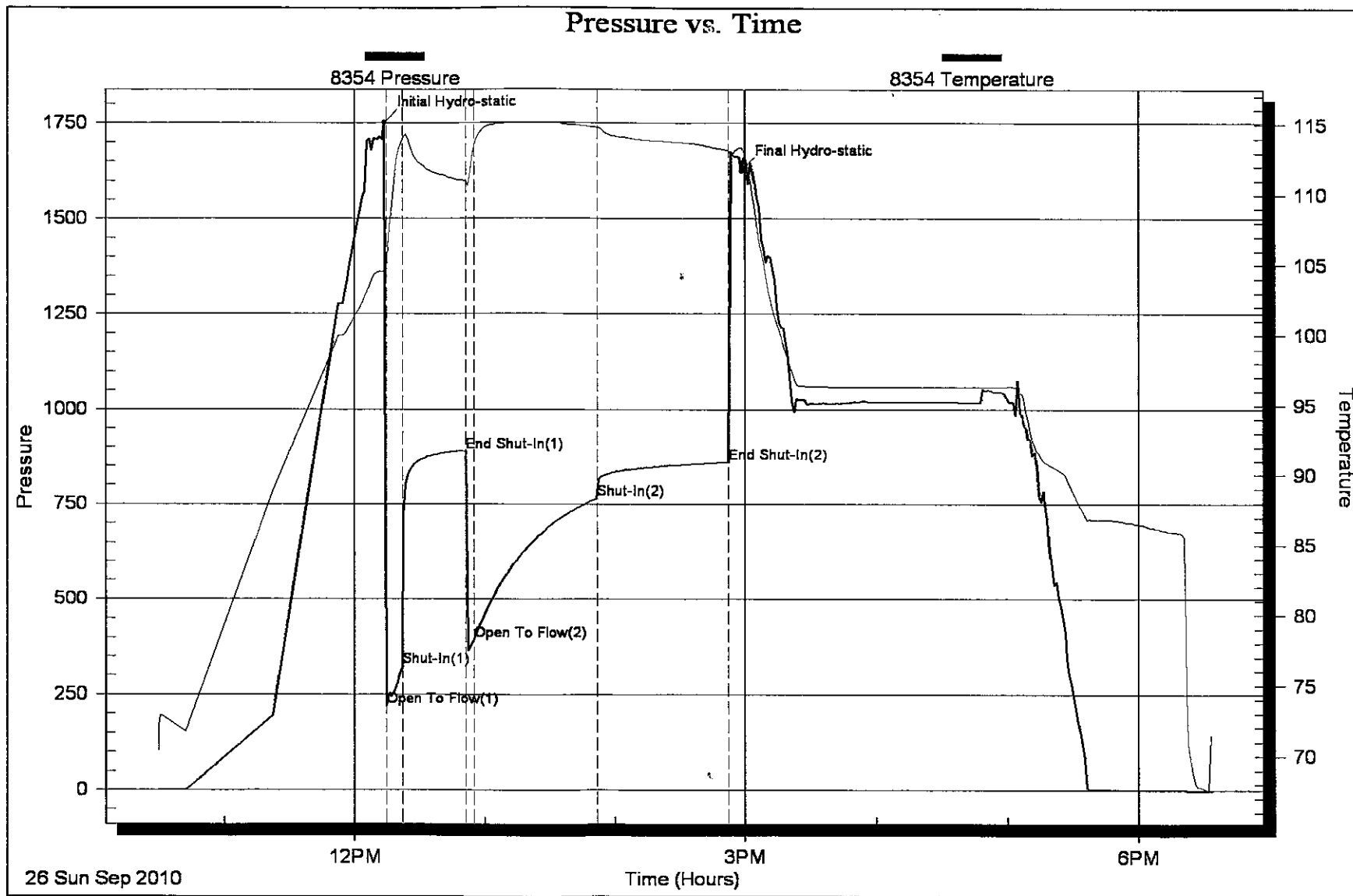
Length ft	Description	Volume bbl
185.00	OCGsyM 20%g 40%o 40%m	1.475
1915.00	CGsyO 30%g 70%o	26.862
0.00	GTS	0.000

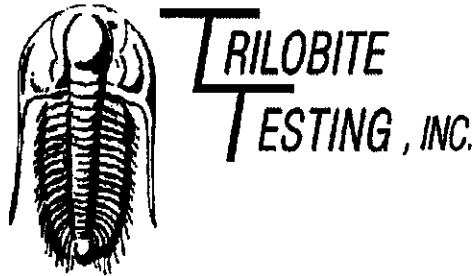
Total Length: 2100.00 ft Total Volume: 28.337 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Reversed out in truck
28 Bbls





DRILL STEM TEST REPORT

Prepared For: **Flatirons Res LLC**
303 E 17th Ave Ste 940
Denver Co 80203

ATTN: John Marvin

19-6-21 Graham,Ks

Worcester Unit # 11-19

Start Date: 2010.09.27 @ 02:55:30

End Date: 2010.09.27 @ 09:34:15

Job Ticket #: 039950 DST #: 3

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatirons Res LLC
303 E 17th Ave Ste 940
Denver Co 80203
ATTN: John Marvin

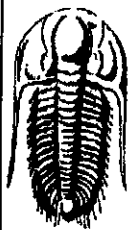
Worcester Unit # 11-19
19-6-21 Graham, Ks
Job Ticket: 039950 DST#: 3
Test Start: 2010.09.27 @ 02:55:30

Tool Information

Drill Pipe:	Length: 3437.00 ft	Diameter: 3.80 inches	Volume: 48.21 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 60000.00 lb
		<u>Total Volume:</u>	<u>48.81 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3562.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	69.00 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			3535.00	
Shut In Tool	5.00			3540.00	
Hydraulic tool	5.00			3545.00	
Jars	5.00			3550.00	
Safety Joint	3.00			3553.00	
Packer	5.00			3558.00	28.00 Bottom Of Top Packer
Packer	4.00			3562.00	
Stubb	1.00			3563.00	
Perforations	1.00			3564.00	
Change Over Sub	1.00			3565.00	
Recorder	0.00	8354	Inside	3565.00	
Recorder	0.00	8520	Outside	3565.00	
Drill Pipe	31.00			3596.00	
Change Over Sub	1.00			3597.00	
Perforations	3.00			3600.00	
Bullnose	3.00			3603.00	41.00 Bottom Packers & Anchor
Total Tool Length:	69.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Res LLC
303 E 17th Ave Ste 940
Denver Co 80203
ATTN: John Marvin

Worcester Unit # 11-19
19-6-21 Graham, Ks
Job Ticket: 039950 DST#: 3
Test Start: 2010.09.27 @ 02:55:30

Mud and Cushion Information

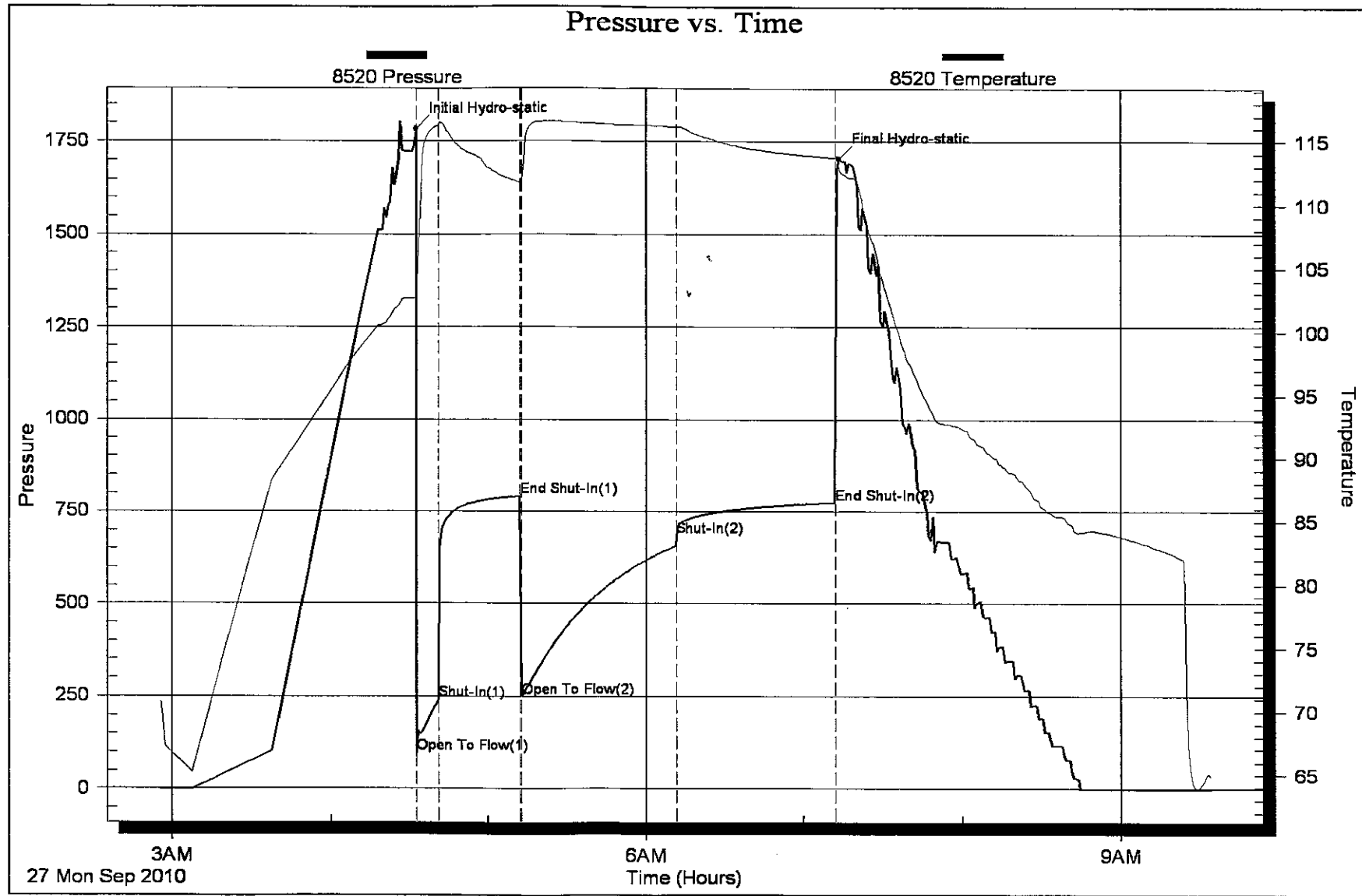
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	70000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.58 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 900.00 ppm			
Filter Cake: inches			

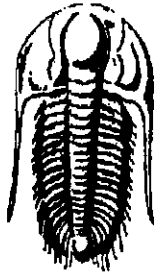
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
555.00	Wtr	6.665
500.00	Silty OCW 3%o 97%w	7.014
365.00	OCW 7%o 93%w	5.120
5.00	CO	0.070

Total Length: 1425.00 ft Total Volume: 18.869 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Rw .09 @ 80 = 70000ppm





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Flatirons Res LLC**

303 E 17th Ave Ste 940
Denver Co 80203

ATTN: John Marvin

19-6-21 Graham,Ks

Worcester Unit # 11-19

Start Date: 2010.09.27 @ 18:00:01

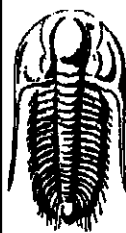
End Date: 2010.09.28 @ 00:26:46

Job Ticket #: 040351 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatirons Res LLC
303 E 17th Ave Ste 940
Denver Co 80203
ATTN: John Marvin

Worcester Unit # 11-19
19-6-21 Graham, Ks
Job Ticket: 040351 DST#: 4
Test Start: 2010.09.27 @ 18:00:01

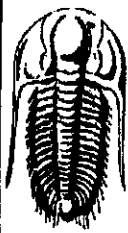
Tool Information

Drill Pipe:	Length: 3468.00 ft	Diameter: 3.80 inches	Volume: 48.65 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 49.25 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3607.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	92.00 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			3580.00	
Shut In Tool	5.00			3585.00	
Hydraulic tool	5.00			3590.00	
Jars	5.00			3595.00	
Safety Joint	3.00			3598.00	
Packer	5.00			3603.00	28.00 Bottom Of Top Packer
Packer	4.00			3607.00	
Stubb	1.00			3608.00	
Perforations	1.00			3609.00	
Change Over Sub	1.00			3610.00	
Recorder	0.00	8354	Inside	3610.00	
Recorder	0.00	8520	Outside	3610.00	
Drill Pipe	31.00			3641.00	
Change Over Sub	1.00			3642.00	
Perforations	26.00			3668.00	
Bullnose	3.00			3671.00	64.00 Bottom Packers & Anchor
Total Tool Length:	92.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Res LLC
303 E 17th Ave Ste 940
Denver Co 80203
ATTN: John Marvin

Worcester Unit # 11-19
19-6-21 Graham, Ks
Job Ticket: 040351 DST#: 4
Test Start: 2010.09.27 @ 18:00:01

Mud and Cushion Information

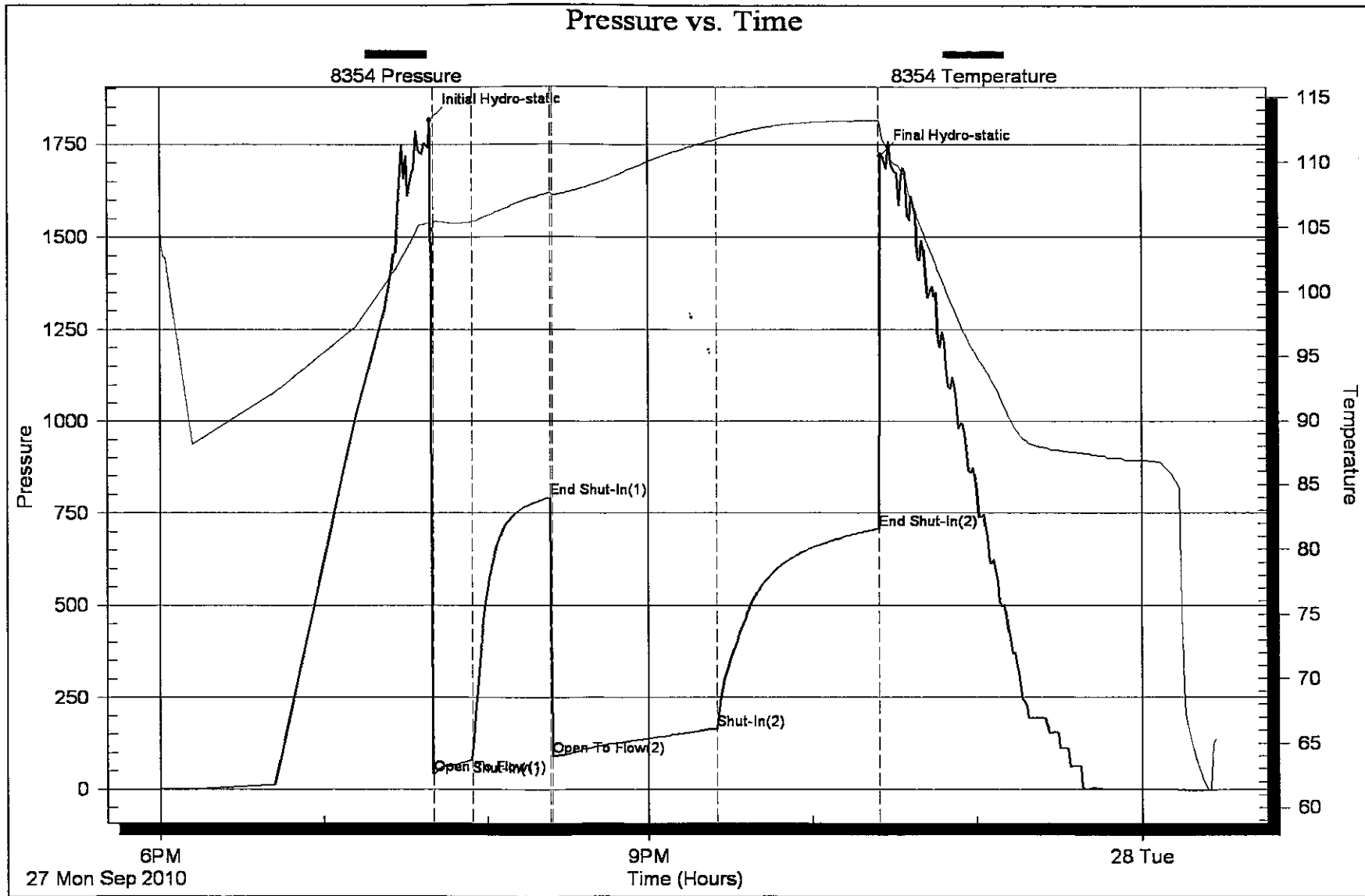
Mud Type: Gel Chem	Cushion Type:	Oil API: 34 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 90000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.20 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 700.00 ppm		
Filter Cake: inches		

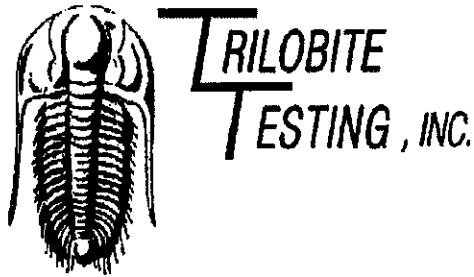
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
123.00	Wtr	0.605
177.00	OCgsyM 10%g 40%o 50%m	2.483
185.00	CGsyO 20%g 80%o	2.595
0.00	495 GIP	0.000

Total Length: 485.00 ft Total Volume: 5.683 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: Rw .07 @ 85 = 90000ppm





DRILL STEM TEST REPORT

Prepared For: **Flatirons Res LLC**

303 E 17th Ave Ste 940
Denver Co 80203

ATTN: John Marvin

19-6-21 Graham,Ks

Worcester Unit # 11-19

Start Date: 2010.09.28 @ 09:05:05

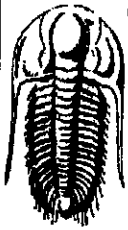
End Date: 2010.09.28 @ 13:53:20

Job Ticket #: 040352 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Flatirons Res LLC
 303 E 17th Ave Ste 940
 Denver Co 80203
 ATTN: John Marvin

Worcester Unit # 11-19
19-6-21 Graham, Ks
 Job Ticket: 040352 DST#: 5
 Test Start: 2010.09.28 @ 09:05:05

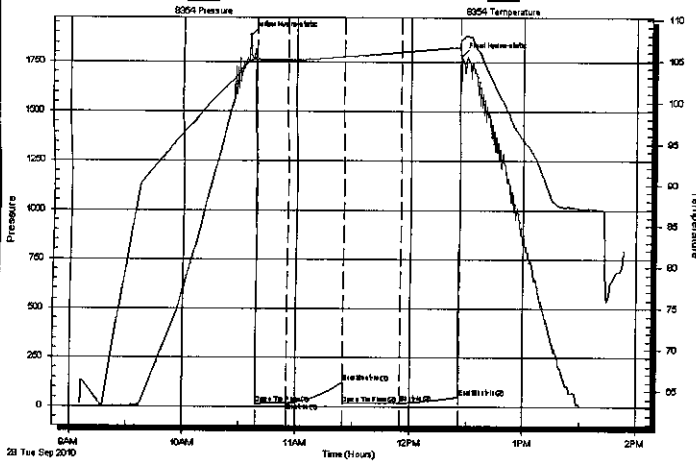
GENERAL INFORMATION:

Formation: **H-I-J LK**
 Deviated: **No Whipstock:** ft (KB)
 Test Type: **Conventional Bottom Hole**
 Time Tool Opened: **10:39:05**
 Tester: **Dan Bangle**
 Time Test Ended: **13:53:20**
 Unit No: **38**
 Interval: **3655.00 ft (KB) To 3715.00 ft (KB) (TVD)**
 Reference Elevations: **2304.00 ft (KB)**
 Total Depth: **3715.00 ft (KB) (TVD)**
2299.00 ft (CF)
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 KB to GR/CF: **5.00 ft**

Serial #: 8354 Inside
 Press@RunDepth: **19.55 psig @ 3658.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.09.28** End Date: **2010.09.28** Last Calib.: **2010.09.28**
 Start Time: **09:05:06** End Time: **13:53:20** Time On Btm: **2010.09.28 @ 10:35:50**
 Time Off Btm: **2010.09.28 @ 12:26:50**

TEST COMMENT: IF-Weak died in 11 min
 FF-No blow

Pressure vs. Time



PRESSURE SUMMARY

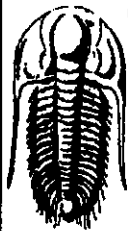
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1882.94	104.89	Initial Hydro-static
4	17.81	104.89	Open To Flow (1)
20	18.56	105.03	Shut-In(1)
49	123.67	105.50	End Shut-In(1)
50	18.24	105.45	Open To Flow (2)
80	19.55	106.05	Shut-In(2)
111	50.98	106.66	End Shut-In(2)
111	1780.57	107.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drig Mud	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatirons Res LLC

Worcester Unit # 11-19

303 E 17th Ave Ste 940
Denver Co 80203

19-6-21 Graham, Ks

Job Ticket: 040352

DST#: 5

ATTN: John Marvin

Test Start: 2010.09.28 @ 09:05:05

Tool Information

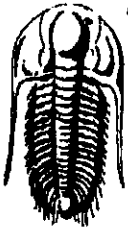
Drill Pipe:	Length: 3530.00 ft	Diameter: 3.80 inches	Volume: 49.52 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 50.12 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3655.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	88.00 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			3628.00	
Shut In Tool	5.00			3633.00	
Hydraulic tool	5.00			3638.00	
Jars	5.00			3643.00	
Safety Joint	3.00			3646.00	
Packer	5.00			3651.00	28.00 Bottom Of Top Packer
Packer	4.00			3655.00	
Stubb	1.00			3656.00	
Perforations	1.00			3657.00	
Change Over Sub	1.00			3658.00	
Recorder	0.00	8354	Inside	3658.00	
Recorder	0.00	8520	Outside	3658.00	
Drill Pipe	31.00			3689.00	
Change Over Sub	1.00			3690.00	
Perforations	22.00			3712.00	
Bullnose	3.00			3715.00	60.00 Bottom Packers & Anchor
Total Tool Length:	88.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Res LLC
303 E 17th Ave Ste 940
Denver Co 80203
ATTN: John Marvin

Worcester Unit # 11-19
19-6-21 Graham, Ks
Job Ticket: 040352 DST#: 5
Test Start: 2010.09.28 @ 09:05:05

Mud and Cushion Information

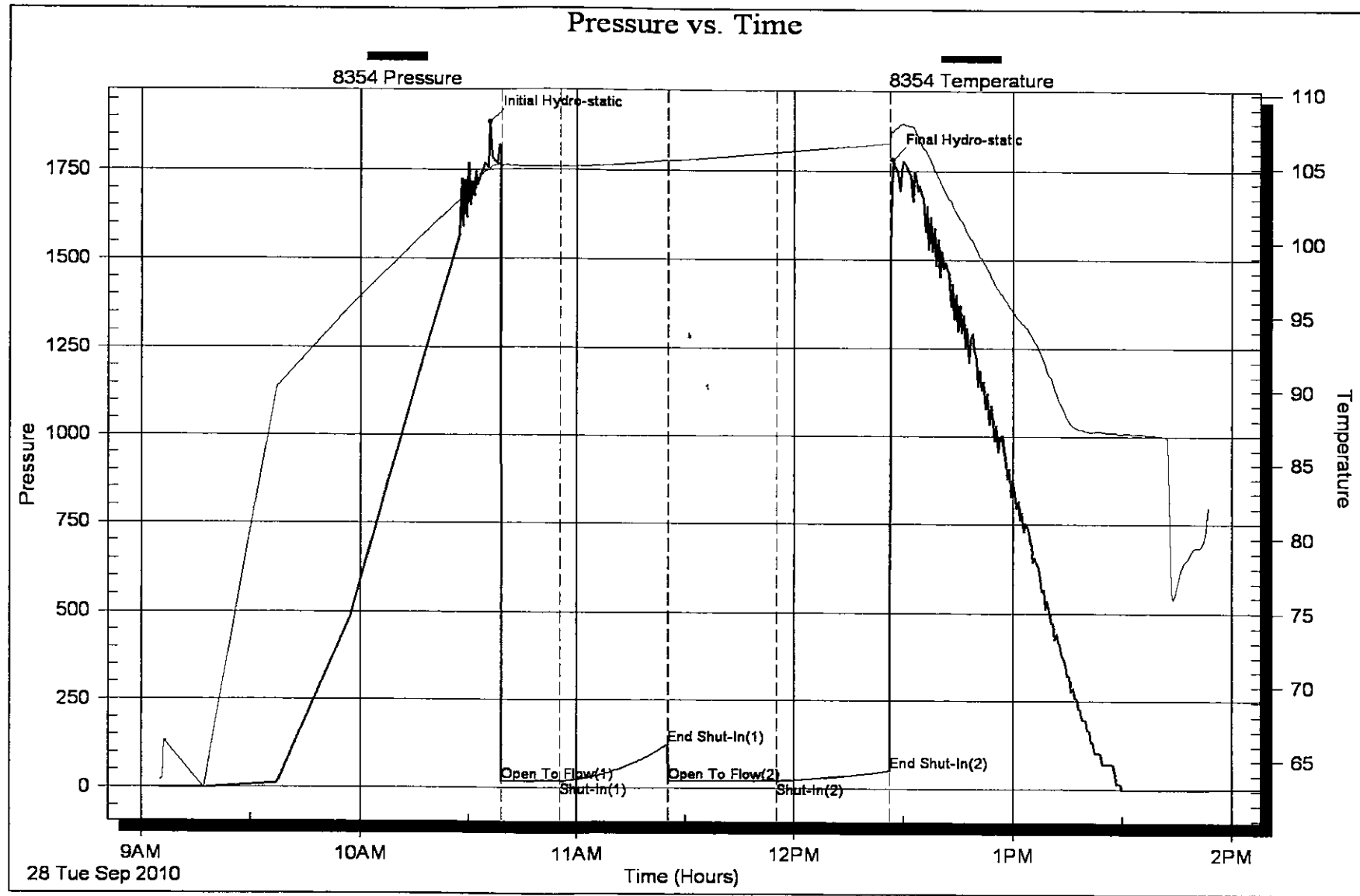
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2700.00 ppm			
Filter Cake: inches			

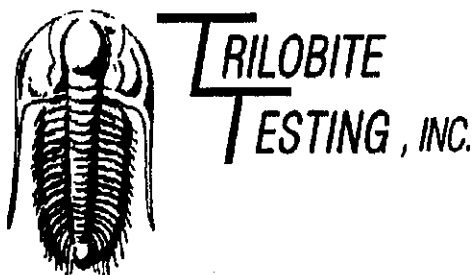
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drig Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Flatirons Res LLC**
303 E 17th Ave Ste 940
Denver Co 80203

ATTN: John Marvin

19-6-21 Graham, Ks

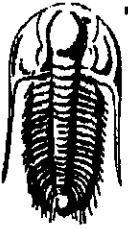
Worcester Unit # 11-19

Start Date: 2010.09.29 @ 08:50:56

End Date: 2010.09.29 @ 14:48:41

Job Ticket #: 040353 DST #: 6

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Flatirons Res LLC
303 E 17th Ave Ste 940
Denver Co 80203
ATTN: John Marvin

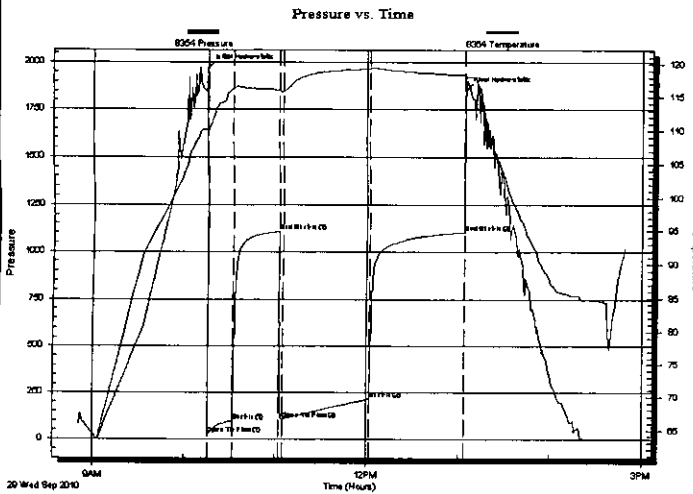
Worcester Unit # 11-19
19-6-21 Graham, Ks
Job Ticket: 040353 DST#: 6
Test Start: 2010.09.29 @ 08:50:56

GENERAL INFORMATION:

Formation: **Conglomerate**
 Deviated: **No** Whipstock: ft (KB)
 Time Tool Opened: 10:15:41
 Time Test Ended: 14:48:41
 Interval: **3809.00 ft (KB) To 3849.00 ft (KB) (TVD)**
 Total Depth: **3865.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Straddle**
 Tester: **Dan Bangle**
 Unit No: **38**
 Reference Elevations: **2304.00 ft (KB)**
 2299.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 8354 **Inside**
 Press@RunDepth: **215.63 psig @ 3812.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.09.29** End Date: **2010.09.29** Last Calib.: **2010.09.29**
 Start Time: **08:50:57** End Time: **14:48:41** Time On Btm: **2010.09.29 @ 10:14:56**
 Time Off Btm: 2010.09.29 @ 13:04:26

TEST COMMENT: IF-Weak building to 10" fair blow
 FF-Strong B-B in 19 min



PRESSURE SUMMARY

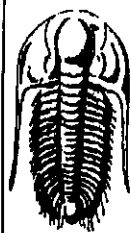
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1969.90	110.27	Initial Hydro-static
1	25.23	109.87	Open To Flow (1)
17	94.58	116.24	Shut-In(1)
48	1105.41	116.10	End Shut-In(1)
50	105.76	115.91	Open To Flow (2)
107	215.63	119.27	Shut-In(2)
169	1102.95	118.32	End Shut-In(2)
170	1852.51	118.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
500.00	Mdy Wtr	5.89

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatirons Res LLC
303 E 17th Ave Ste 940
Denver Co 80203

Worcester Unit # 11-19

19-6-21 Graham, Ks

Job Ticket: 040353

DST#: 6

ATTN: John Marvin

Test Start: 2010.09.29 @ 08:50:56

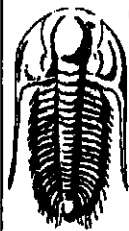
Tool Information

Drill Pipe:	Length: 3660.00 ft	Diameter: 3.80 inches	Volume: 51.34 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 51.94 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	2.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3809.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	3849.00 ft			
Interval between Packers:	40.00 ft			
Tool Length:	87.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3782.00	
Shut In Tool	5.00			3787.00	
Hydraulic tool	5.00			3792.00	
Jars	5.00			3797.00	
Safety Joint	3.00			3800.00	
Packer	5.00			3805.00	28.00 Bottom Of Top Packer
Packer	4.00			3809.00	
Stubb	1.00			3810.00	
Perforations	1.00			3811.00	
Change Over Sub	1.00			3812.00	
Recorder	0.00	8354	Inside	3812.00	
Recorder	0.00	8520	Outside	3812.00	
Drill Pipe	31.00			3843.00	
Change Over Sub	1.00			3844.00	
Perforations	1.00			3845.00	
Blank Off Sub	1.00			3846.00	
Blank Spacing	3.00			3849.00	40.00 Tool Interval
Packer	2.00			3851.00	
Stubb	1.00			3852.00	
Recorder	0.00	8653	Outside	3852.00	
Perforations	13.00			3865.00	
Bullnose	3.00			3868.00	19.00 Bottom Packers & Anchor

Total Tool Length: 87.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Res LLC
303 E 17th Ave Ste 940
Denver Co 80203
ATTN: John Marvin

Worcester Unit # 11-19
19-6-21 Graham, Ks
Job Ticket: 040353 **DST#: 6**
Test Start: 2010.09.29 @ 08:50:56

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:	40000 ppm
Viscosity: 63.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2800.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
500.00	Mdy Wtr	5.893

Total Length: 500.00 ft Total Volume: 5.893 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: Rw .18 @ 75 = 40000ppm

