



KANSAS CORPORATION COMMISSION 1094492
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

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



1094492

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

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

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

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

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

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Charter Energy, Inc.

PO Box 252
GreatBend KS 67530

ATTN: Jim Musgrove

Dirks #1

Job Ticket: 47115

DST#: 1

Test Start: 2012.05.27 @ 20:45:30

GENERAL INFORMATION:

Formation: **Arb.**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:47:00
 Time Test Ended: 04:16:30
 Interval: **3680.00 ft (KB) To 3766.00 ft (KB) (TVD)**
 Total Depth: 3766.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 2031.00 ft (KB)
 2024.00 ft (CF)
 KB to GR/CF: 7.00 ft

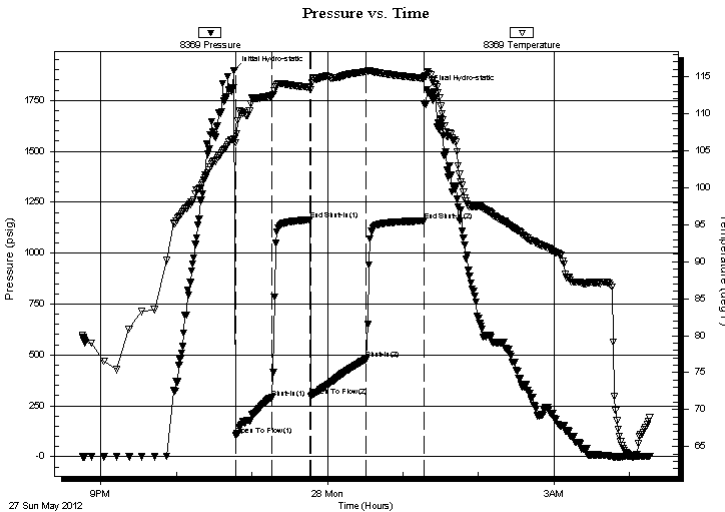
Serial #: 8369

Inside

Press @ Run Depth: 481.67 psig @ 3681.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.05.27 End Date: 2012.05.28 Last Calib.: 2012.05.28
 Start Time: 20:45:35 End Time: 04:16:29 Time On Btm: 2012.05.27 @ 22:46:00
 Time Off Btm: 2012.05.28 @ 01:19:00

TEST COMMENT: IF-BOB in 1min
 ISI-1in blow died in 25min
 FF-BOB in 2min GTS in 20min
 FSI-BOB in 13min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1897.31	106.56	Initial Hydro-static
1	106.55	106.06	Open To Flow (1)
30	289.50	112.46	Shut-In(1)
60	1163.33	113.58	End Shut-In(1)
61	296.42	113.26	Open To Flow (2)
105	481.67	115.70	Shut-In(2)
151	1158.63	114.79	End Shut-In(2)
153	1804.76	115.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	Water	4.35
185.00	GSWCO 45%G 10%W 45%O	2.60
265.00	GMCO 25%G 30%M 45%O	3.72
380.00	GV SOCM 20%G 5%O 75%M	5.33
80.00	V SOCM 5%O 95%M	1.12

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy, Inc.

PO Box 252
GreatBend KS 67530

ATTN: Jim Musgrove

Dirks #1

Job Ticket: 47115

DST#: 1

Test Start: 2012.05.27 @ 20:45:30

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 64.00 sec/qt

Water Loss: 9.19 in³

Resistivity: ohm.m

Salinity: 6600.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 55000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	Water	4.348
185.00	GSWCO 45%G 10%W 45%O	2.595
265.00	GMCO 25%G 30%M 45%O	3.717
380.00	GVSOCM 20%G 5%O 75%M	5.330
80.00	VSOCM5%O 95%M	1.122

Total Length: 1220.00 ft Total Volume: 17.112 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

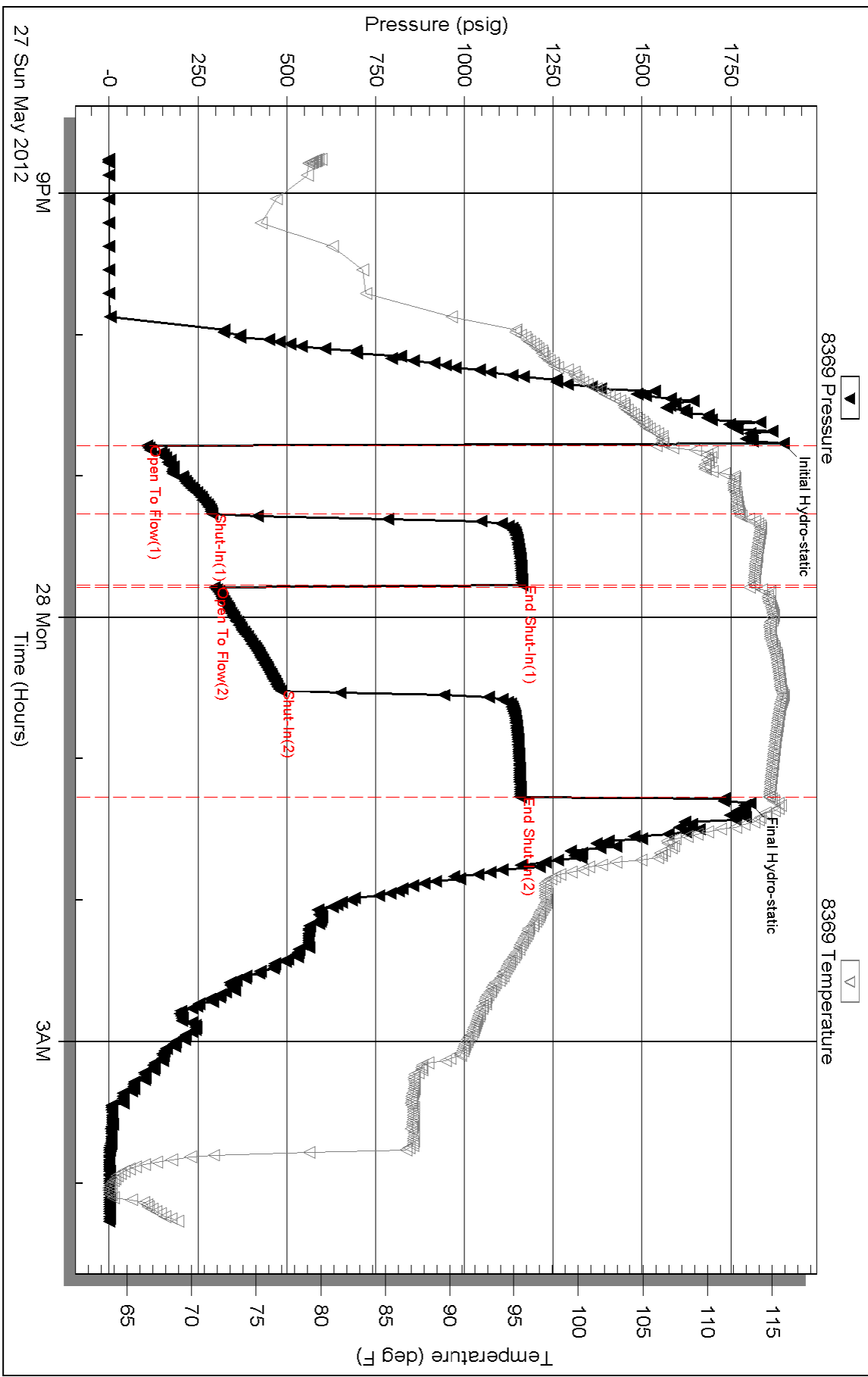
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW.15@65

Pressure vs. Time

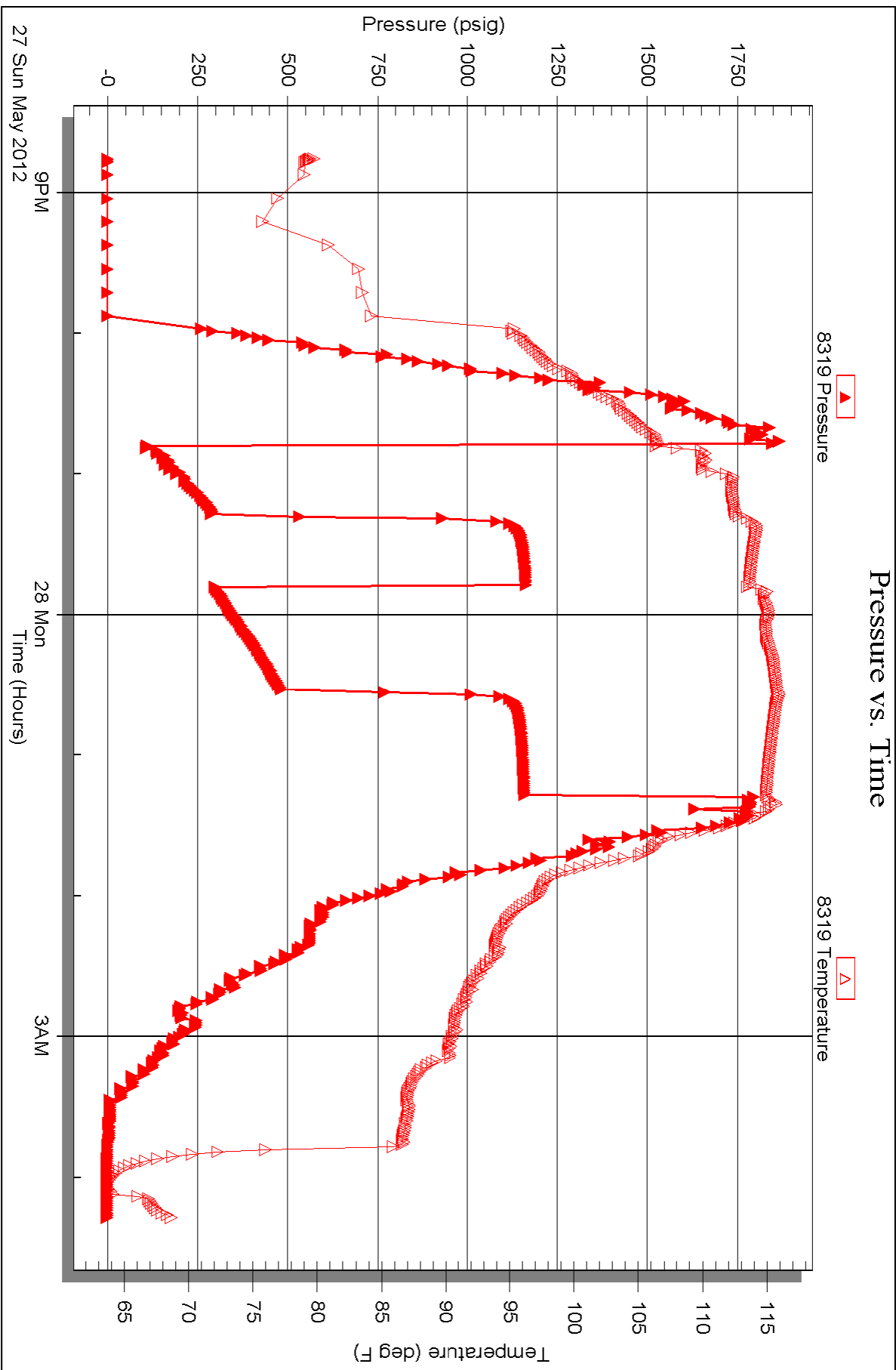


Serial #: 8319

Outside Charter Energy, Inc.

Dtks #1

DST Test Number: 1





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Charter Energy, Inc.

23-20-16, Pawnee, KS

PO Box 252
Great Bend KS 67530

Dirks #1

Job Ticket: 47116

DST#: 2

ATTN: Jim Musgrove

Test Start: 2012.05.28 @ 09:30:32

GENERAL INFORMATION:

Formation: **Arb.**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:13:02
 Time Test Ended: 15:59:32
 Interval: **3869.00 ft (KB) To 3681.00 ft (KB) (TVD)**
 Total Depth: 3781.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 2031.00 ft (KB)
 2024.00 ft (CF)
 KB to GR/CF: 7.00 ft

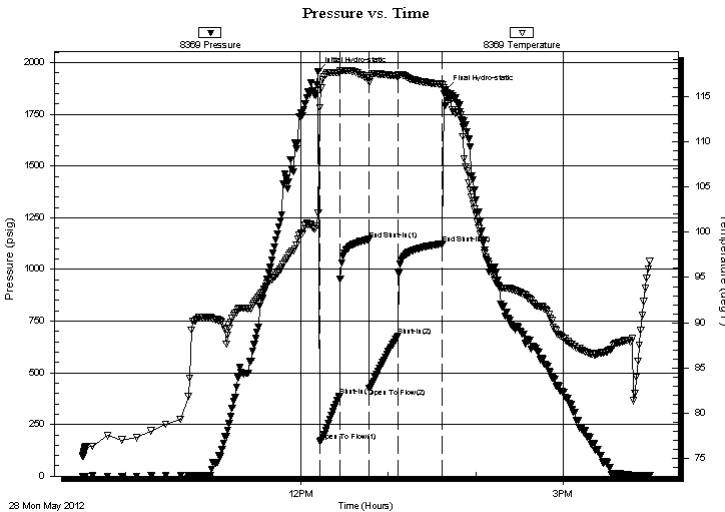
Serial #: 8369

Inside

Press @ Run Depth: 675.92 psig @ 3770.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.05.28 End Date: 2012.05.28 Last Calib.: 2012.05.28
 Start Time: 09:30:37 End Time: 15:59:31 Time On Btm: 2012.05.28 @ 12:12:02
 Time Off Btm: 2012.05.28 @ 13:39:32

TEST COMMENT: IF-BOB in 1/2min
 ISI-BOB in 5min
 FF-BOB in 1min
 FSI-BOB in 21min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1958.29	102.14	Initial Hydro-static
1	169.79	113.71	Open To Flow (1)
15	388.52	117.59	Shut-In(1)
35	1144.55	117.03	End Shut-In(1)
35	425.49	116.56	Open To Flow (2)
55	675.92	117.22	Shut-In(2)
85	1124.51	116.30	End Shut-In(2)
88	1869.89	114.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1245.00	Water	17.46
125.00	GSOWCM 15%G 5%O 30%W 50%M	1.75
105.00	GVSWOCM 10%G 10%O 5%W 75%M	1.47

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy, Inc.

23-20-16, Pawnee, KS

PO Box 252
GreatBend KS 67530

Dirks #1

Job Ticket: 47116

DST#: 2

ATTN: Jim Musgrove

Test Start: 2012.05.28 @ 09:30:32

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:

50000 ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1245.00	Water	17.464
125.00	GOWCM 15%G 5%O 30%W 50%M	1.753
105.00	GWSOWCM 10%G 10%O 5%W 75%M	1.473

Total Length: 1475.00 ft Total Volume: 20.690 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

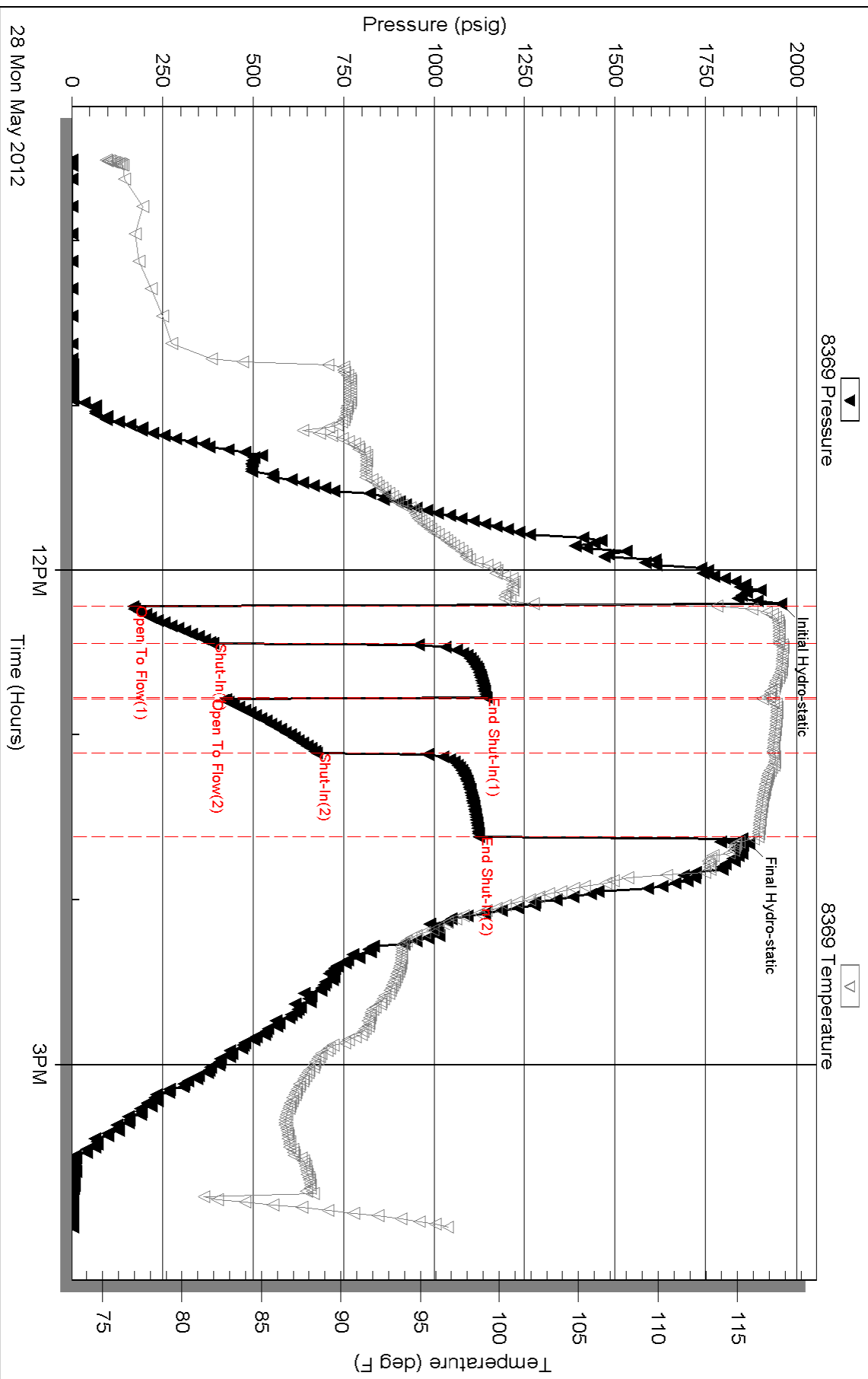
Serial #:

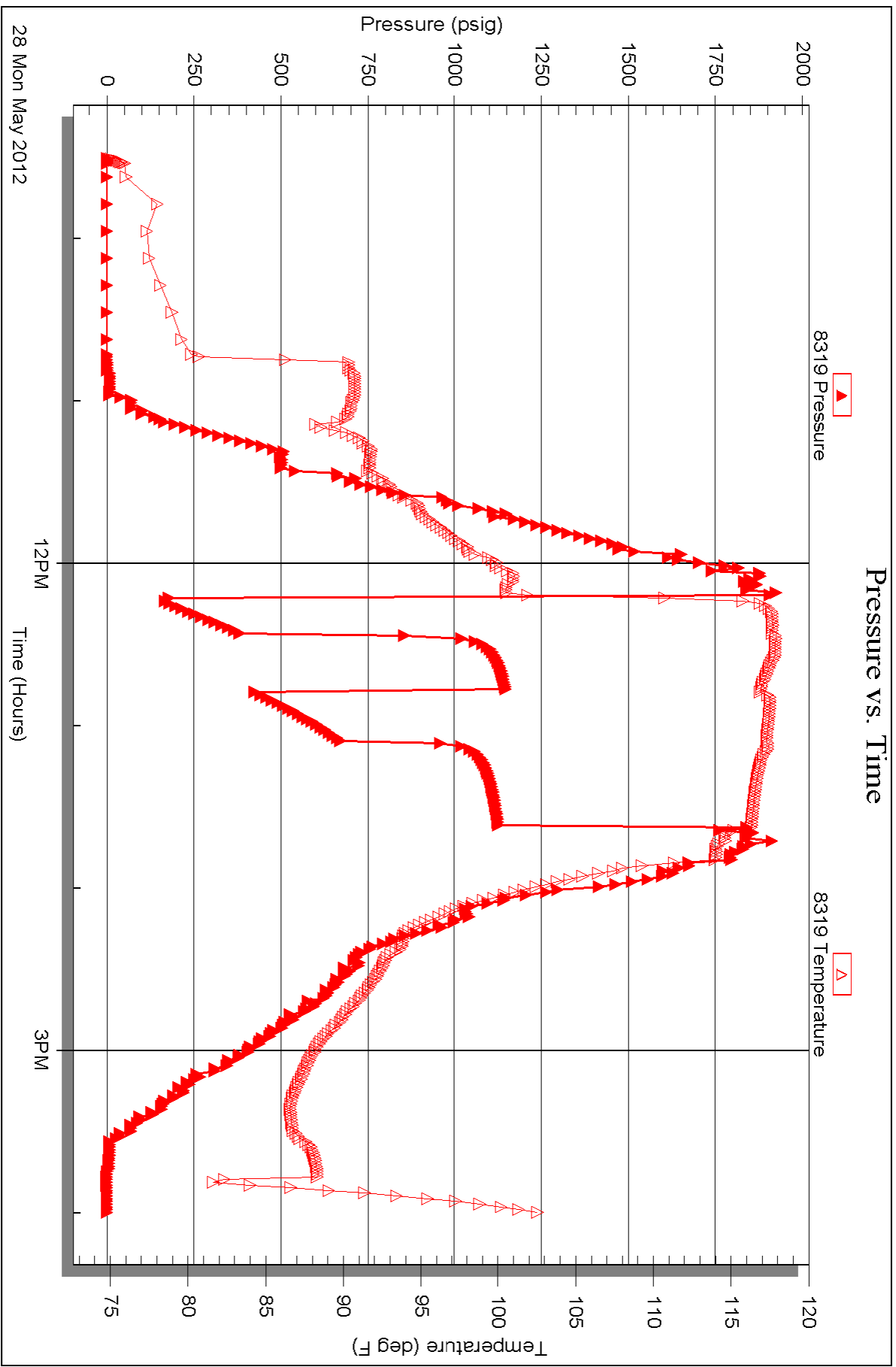
Laboratory Name:

Laboratory Location:

Recovery Comments: RW.12@90

Pressure vs. Time







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Charter Energy, Inc.
PO Box 252
GreatBend KS 67530
ATTN: Jim Musgrove

23-20-16, Pawnee, KS

Dirks #1

Job Ticket: 47117

DST#: 3

Test Start: 2012.05.28 @ 21:50:33

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 00:18:33
 Tester: Brett Dickinson
 Time Test Ended: 04:31:03
 Unit No: 59
 Interval: **3789.00 ft (KB) To 3801.00 ft (KB) (TVD)**
 Reference Elevations: 2031.00 ft (KB)
 Total Depth: 3801.00 ft (KB) (TVD)
 2024.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 7.00 ft

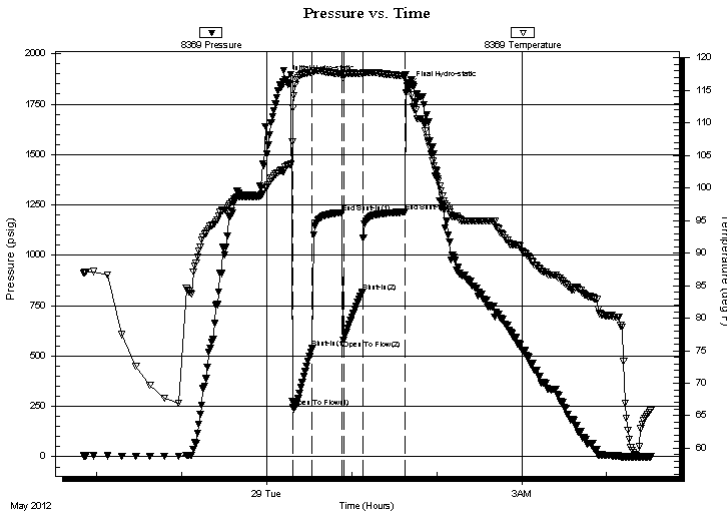
Serial #: 8369

Inside

Press @ Run Depth: 819.15 psig @ 3790.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.05.28 End Date: 2012.05.29 Last Calib.: 2012.05.29
 Start Time: 21:50:38 End Time: 04:31:02 Time On Btm: 2012.05.29 @ 00:13:03
 Time Off Btm: 2012.05.29 @ 01:40:33

TEST COMMENT: IF-BOB Immediately
 ISI-BOB in 14min
 FF-BOB Immediately GTS in 5 min
 FSI-BOB in 5min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1869.85	103.29	Initial Hydro-static
6	245.80	112.37	Open To Flow (1)
19	540.04	117.74	Shut-In(1)
40	1211.99	117.52	End Shut-In(1)
41	580.75	116.98	Open To Flow (2)
55	819.15	117.57	Shut-In(2)
85	1215.29	117.23	End Shut-In(2)
88	1844.42	115.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1490.00	Water	20.90
125.00	GSOCW 20%G 10%O 70%W	1.75
125.00	GWCO 30%G 40%O 30%W	1.75
80.00	GSWOCM 20%G 30%O 10%W 40%M	1.12

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy, Inc.

23-20-16, Pawnee, KS

PO Box 252
GreatBend KS 67530

Dirks #1

Job Ticket: 47117

DST#: 3

ATTN: Jim Musgrove

Test Start: 2012.05.28 @ 21:50:33

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: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1490.00	Water	20.901
125.00	GSOCW 20%G 10%O 70%W	1.753
125.00	GWCO 30%G 40%O 30%W	1.753
80.00	GSWOCM 20%G 30%O 10%W 40%M	1.122

Total Length: 1820.00 ft Total Volume: 25.529 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

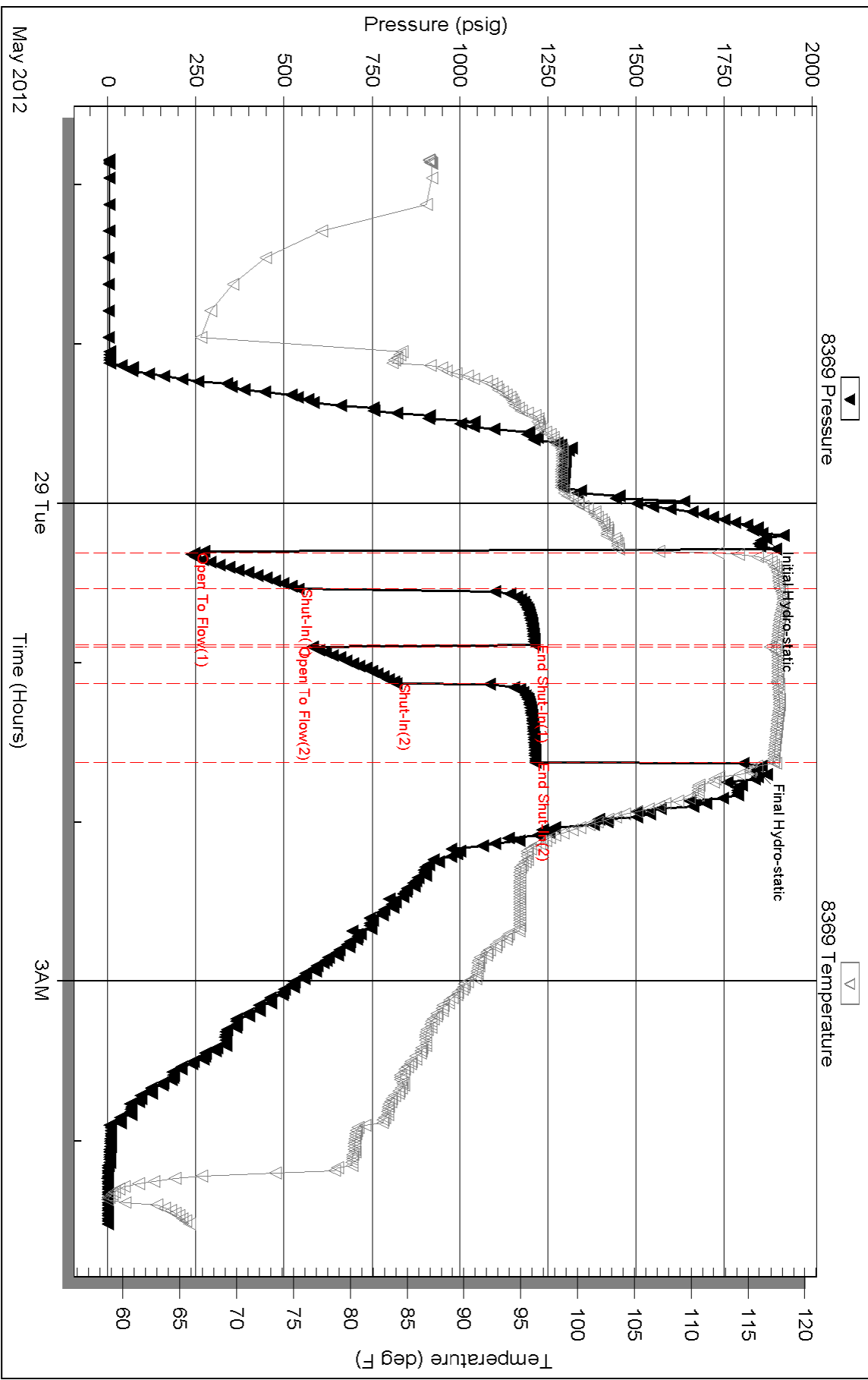
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW.16@55

Pressure vs. Time



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. 429

Date	5-23-12	Sec.	23	Twp.	20	Range	16	County	Pawnee	State	Ks	On Location		Finish	2:15 PM
Lease	Dirks		Well No.	1		Location Great Bend Ks - W on 10th Street to C.I.,									
Contractor	Royal Rig #1					Owner W.L. 390th Rd, 65 to Rd V, 1W, N+E Int									
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.	1038'		Charge To									
Csg.	8 5/8"		Depth	1037'		Charter Energy									
Tbg. Size			Depth			Street									
Tool			Depth			City State									
Cement Left in Csg.	43.17'		Shoe Joint	43.17'		The above was done to satisfaction and supervision of owner agent or contractor.									
Meas Line			Displace	63 1/4 BLS		Cement Amount Ordered 425 sx Common 3%CC 2%6.1									

EQUIPMENT

Pumptrk	9	No.	Cementer/Helper	Matt	Common
Bulktrk	4	No.	Driver	Lonnie	Poz. Mix
Bulktrk	1	No.	Driver	Rick	Gel.

JOB SERVICES & REMARKS

Remarks	Cement did Circulate.	Calcium
Rat Hole		Hulls
Mouse Hole		Salt
Centralizers		Flowseal
Baskets		Kol-Seal
D/V or Port Collar		Mud CLR 48
		CFL-117 or CD110 CAF 38
		Sand
		Handling
		Mileage

FLOAT EQUIPMENT

		Guide Shoe
		Centralizer
		Baskets
		AFU Inserts
		Float Shoe
		Latch Down
		1- Baffle plate
		1- Rubber plug
		Pumptrk Charge
		Mileage
		Tax
		Discount
		Total Charge

X

1/10/12 Doug Bird



CHARGE TO: **CHARTER EXCELLY**
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET No. **21378**

WELL/PROJECT NO. **1**
 LEASE **Diers**
 COUNTY/PARISH **Lawrence**
 STATE **KS** CITY **Lawrence**

PAGE **1** OF **2**

DATE **05-28-12** ORDER NO.
 TICKET TYPE SERVICE SALES
 CONTRACTOR
 RIG NAME NO. **Ronald Lee 1**
 SHIPPED VIA **BY** DELIVERED TO **Lawrence Kelly**
 WELL TYPE **Oil** WELL CATEGORY **Develop** JOB PURPOSE **Contaminant**
 WELL PERMIT NO. **15-175-21671** WELL LOCATION **523, 720, 18, 16**

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	LOC	ACCT	DF	DESCRIPTION	MILEAGE	QTY	UM	QTY	UM	UNIT PRICE	AMOUNT
578						#112	50	m			6.00	300.00
578					hypospace		1ea				1500.00	1500.00
281					fluids		2 ea				25.00	50.00
281					MUDFLUSH		500	cah			1.25	625.00
290					Dair		1	can			35.00	35.00
402					CONTAMINANT		6	ea			70.00	420.00
406					Cartridge Air Bypass		1	ea			250.00	250.00
407					ASSY FRONTWIRE		1	ea			350.00	350.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY,** and **LIMITED WARRANTY** provisions.
 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

REMIT PAYMENT TO:
SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				4-1	3530.00
WE UNDERSTOOD AND MET YOUR NEEDS?				4-2	7117.00
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Sub Total	10,647.00
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Payroll Tax 6.3%	666.70
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL	11,313.70

DATE SIGNED **05-28-12** TIME SIGNED **2:33 PM** A.M. P.M.
 SWIFT OPERATOR **Dierks**
 CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: The customer hereby acknowledges receipt of the materials and services listed on this ticket.
 APPROVAL: _____
Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 05-29-12 PAGE NO. 1

CUSTOMER CHARTER WELL NO. 1 LEASE DIPS JOB TYPE LONGSTRING TICKET NO. 21378

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2330							ON LOCATION CMT: 175 STD EA 2 RTD 3900, SET P. PC 3899, SJ 20.87, FUSION 3878 54 1/4" H CMT 1, 3, 5, 7, 9, 11 Run 92 JONES 2047 37.93
	0145							START CSEAFLOATEOV TAG DOWN - DRIP PING
	0300							BREAK CIRC.
	0325		7.5					PLUG RH 30 MH 20
	0330	50					200	500 GMS MUD FLUSH
		5	12				5	2000 GMS MUD FLUSH
			20				000	125 SINS STD EA 2
			31.5					DRIP LD PLUG, WASHOUT PL
	0345	65	0				0	START DRIP
			800				500	
			850				600	
			900				700	
	0400	45	94.6				H00	LAND PLUG RELEASE DRY
								JOB COMPLETE
								THANK YOU! DAVE, JUSTIN, ISAM