



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
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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

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: _____



1082362

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Empire Energy E&P, LLC
Well Name	Joe Driscoll 31-8
Doc ID	1082362

All Electric Logs Run

Sonic
Micro
Dual Induction
Compensated Density
Neutron Porosity

Form	ACO1 - Well Completion
Operator	Empire Energy E&P, LLC
Well Name	Joe Driscoll 31-8
Doc ID	1082362

Tops

Name	Top	Datum
anhydrite	677	1156
base anhydrite	706	1127
topeka	2607	-774
heebner	2892	-1059
toronto	2908	-1075
lansing	2999	-1166
conglomerate	3286	-1453
arbucke	3313	-1480

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. 5208

Date	9/27/11	Sec.	31	Twp.	15	Range	11	County	Russell	State	KS	On Location		Finish	9:30 AM
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Lease	Joe Driscoll	Well No.	31-8	Location	Hwy 281 + Michaelis Rd, 1SE, S into										
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Contractor	American Eagle Rig #2	Owner	To Quality Oilwell Cementing, Inc.												
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Type Job	PTA	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.													
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Hole Size	7 7/8"	T.D.	3400'	Charge To	Empire Energy										
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Csg.		Depth		Street											
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Tbg. Size		Depth		City	State										
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Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.											
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Cement Left in Csg.		Shoe Joint		Cement Amount Ordered	1655x60/40 4 1/2 gel 4# float										
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Meas Line		Displace													
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EQUIPMENT

Pumptrk	9	No.	Cementer	Paul	Common	99										
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			Helper													
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Bulktrk	13	No.	Driver	Matt	Poz. Mix	66										
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			Driver													
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Bulktrk	PV	No.	Driver	Doug	Gel.	6										
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			Driver													
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JOB SERVICES & REMARKS

Remarks:														
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Rat Hole	305x													
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Mouse Hole														
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Centralizers														
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Baskets														
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D/V or Port Collar	3283' - 255x													
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	730' - 1005x													
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	40' - 105x													
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FLOAT EQUIPMENT

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Thank You!!

Todd E. Mica

X Signature

Pumptrk Charge

Mileage

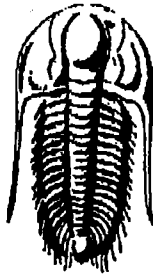
8 5/8" wiper plug

plug

Tax

Discount

Total Charge



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Empire Energy E&P, LLC**

17 Arentzen Blvd, Ste 203
Charleroi, PA 15022

ATTN: Jim Musgrove

Joe Driscoll #31-8

31-15s-11w Russell,KS

Start Date: 2011.09.26 @ 04:05:16

End Date: 2011.09.26 @ 11:42:46

Job Ticket #: 44618 DST #: 1

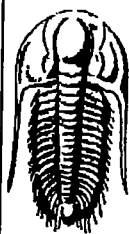
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.09.28 @ 14:40:04

Empire Energy E&P, LLC 31-15s-11w Russell,KS Joe Driscoll #31-8 DST # 1 Arbuckle 2011.09.26



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Empire Energy E&P, LLC
17 Arentzen Blvd, Ste 203
Charleroi, PA 15022
ATTN: Jim Musgrove

31-15s-11w Russell, KS
Joe Driscoll #31-8
Job Ticket: 44618 **DST#: 1**
Test Start: 2011.09.26 @ 04:05:16

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:45:46
Time Test Ended: 11:42:46
Interval: **3257.00 ft (KB) To 3331.00 ft (KB) (TVD)**
Total Depth: 3331.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 1835.00 ft (KB)
1828.00 ft (CF)
KB to GRVCF: 7.00 ft
Test Type: Conventional Bottom Hole (Initial)
Tester: Brett Dickinson
Unit No: 47

Serial #: 6753

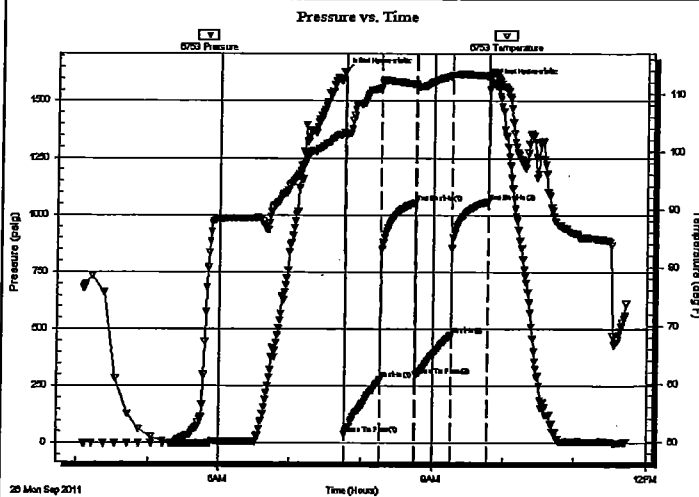
Inside

Press@RunDepth: 476.18 psig @ 3258.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.09.26 End Date: 2011.09.26 Last Calib.: 2011.09.26
Start Time: 04:05:21 End Time: 11:42:45 Time On Btmr: 2011.09.26 @ 07:43:46
Time Off Btmr: 2011.09.26 @ 09:48:46

TEST COMMENT: IF-BOB in 4 min
ISI-No blow
FF-BOB in 4.5 min
ISI-No blow

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1629.43	102.94	Initial Hydro-static
2	39.35	102.87	Open To Flow (1)
32	278.89	111.04	Shut-In(1)
61	1054.50	111.68	End Shut-In(1)
62	299.48	111.42	Open To Flow (2)
92	476.18	113.09	Shut-In(2)
123	1058.84	113.02	End Shut-In(2)
125	1582.52	113.62	Final Hydro-static

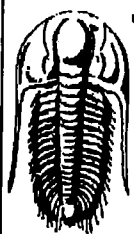


Recovery

Length (ft)	Description	Volume (bbl)
45.00	VSOWCM 2%O 10%W 88%M	0.63
360.00	WCM 40%W 60%M	5.05
625.00	Water	8.77

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Empire Energy E&P, LLC

31-15s-11w Russell,KS

17 Arentzen Blvd, Ste 203
Charleroi, PA 15022

Joe Driscoll #31-8

Job Ticket: 44618

DST#: 1

ATTN: Jim Musgrove

Test Start: 2011.09.26 @ 04:05:16

Tool Information

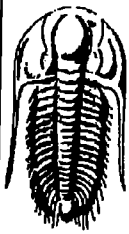
Drill Pipe:	Length: 3252.00 ft	Diameter: 3.80 inches	Volume: 45.62 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 45.62 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	3257.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	74.00 ft			
Tool Length:	95.00 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			3237.00	
Shut In Tool	5.00			3242.00	
Hydraulic tool	5.00			3247.00	
Packer	5.00			3252.00	21.00 Bottom Of Top Packer
Packer	5.00			3257.00	
Stubb	1.00			3258.00	
Recorder	0.00	6753	Inside	3258.00	
Recorder	0.00	8319	Outside	3258.00	
Perforations	5.00			3263.00	
Change Over Sub	1.00			3264.00	
Drill Pipe	61.00			3325.00	
Change Over Sub	1.00			3326.00	
Perforations	2.00			3328.00	
Bullnose	3.00			3331.00	74.00 Bottom Packers & Anchor

Total Tool Length: 95.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Empire Energy E&P, LLC
17 Arentzen Blvd, Ste 203
Charleroi, PA 15022
ATTN: Jim Musgrove

31-15s-11w Russell, KS
Joe Driscoll #31-8
Job Ticket: 44618 **DST#: 1**
Test Start: 2011.09.26 @ 04:05:16

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:	19000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	VSOWCM 2%O 10%W 88%M	0.631
360.00	WCM 40%W 60%M	5.050
625.00	Water	8.767

Total Length: 1030.00 ft Total Volume: 14.448 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW.4

Serial #: 6753

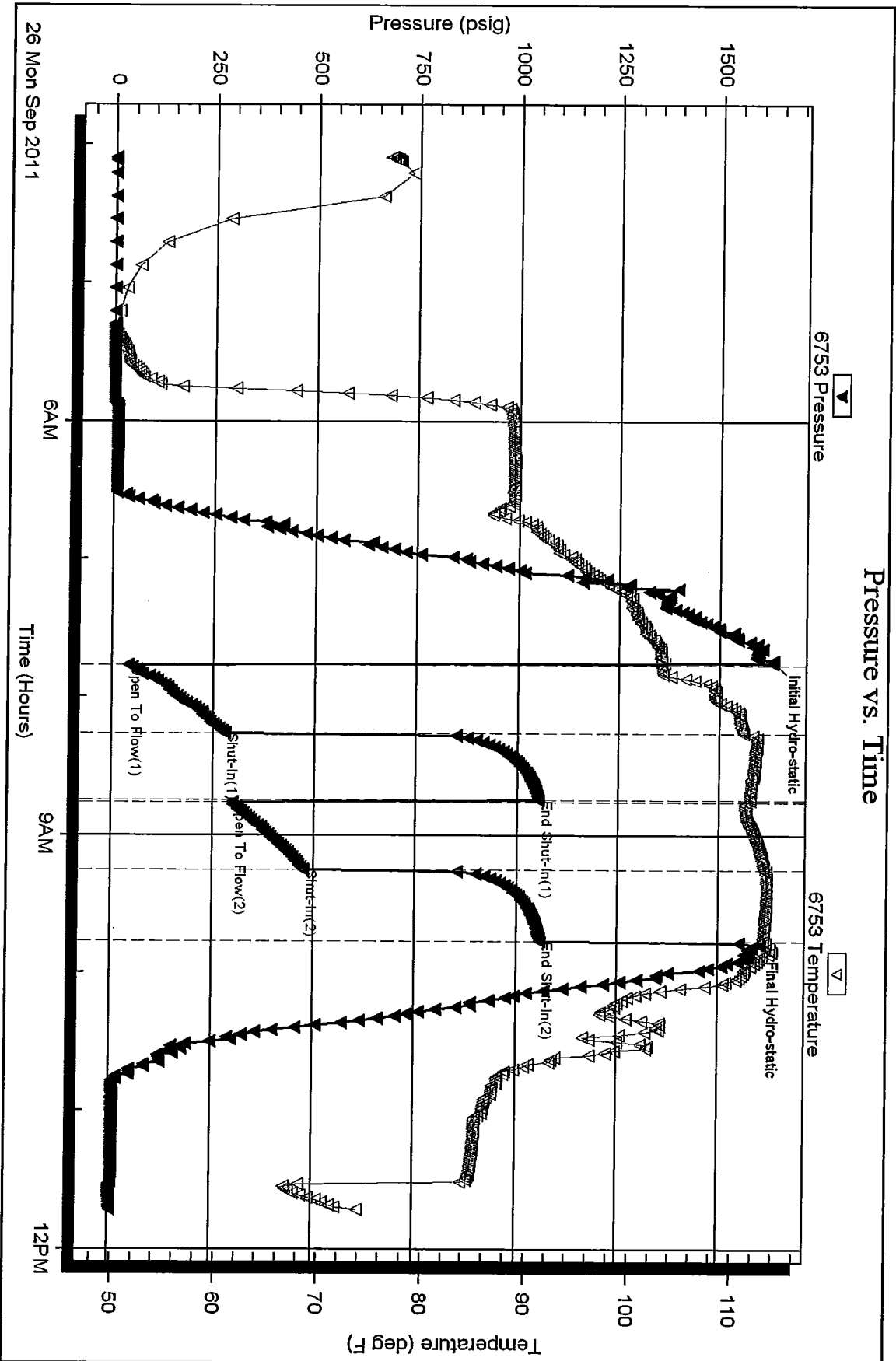
Inside

Empire Energy Exp. LLC

Joe Discoll #31-8

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 44618

Printed: 2011.09.28 @ 14:40:07