



DRILL STEM TEST REPORT

Prepared For: **Charter Energy**

PO Box 252
Great Bend, KS 67530

ATTN: Kurt Talbolt

Gleason #1

36-22s-14w Stafford,KS

Start Date: 2015.01.10 @ 11:13:00

End Date: 2015.01.10 @ 16:21:30

Job Ticket #: 62109 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.01.15 @ 09:55:02



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Charter Energy
 PO Box 252
 Great Bend, KS 67530
 ATTN: Kurt Talbolt

36-22s-14w Stafford,KS
Gleason #1
 Job Ticket: 62109 **DST#: 1**
 Test Start: 2015.01.10 @ 11:13:00

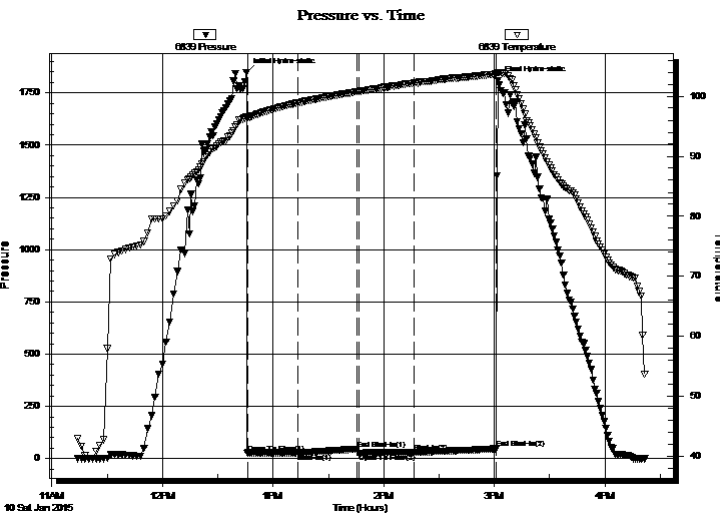
GENERAL INFORMATION:

Formation: **LKC H**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:46:00
 Time Test Ended: 16:21:30
 Interval: **3568.00 ft (KB) To 3595.00 ft (KB) (TVD)**
 Total Depth: 3595.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: S2
 Reference Elevations: 1925.00 ft (KB)
 1918.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6839 Outside

Press@RunDepth: 29.65 psig @ 3590.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2015.01.10 End Date: 2015.01.10 Last Calib.: 2015.01.10
 Start Time: 11:14:00 End Time: 16:21:30 Time On Btm: 2015.01.10 @ 12:45:30
 Time Off Btm: 2015.01.10 @ 15:02:00

TEST COMMENT: IFP 30 min Weak blow built to 1 1/2"
 ISI 30 min No blow back
 FFP 30 min Weak blow built to 1"
 FSI 45 min No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1848.38	96.61	Initial Hydro-static
1	26.54	96.33	Open To Flow (1)
28	27.15	98.89	Shut-In(1)
60	45.88	100.72	End Shut-In(1)
61	25.75	100.76	Open To Flow (2)
91	29.65	102.21	Shut-In(2)
136	47.21	103.68	End Shut-In(2)
137	1807.89	103.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Oil specked mud 100%Mud	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charter Energy

36-22s-14w Stafford,KS

PO Box 252
Great Bend, KS 67530

Gleason #1

Job Ticket: 62109

DST#: 1

ATTN: Kurt Talbolt

Test Start: 2015.01.10 @ 11:13:00

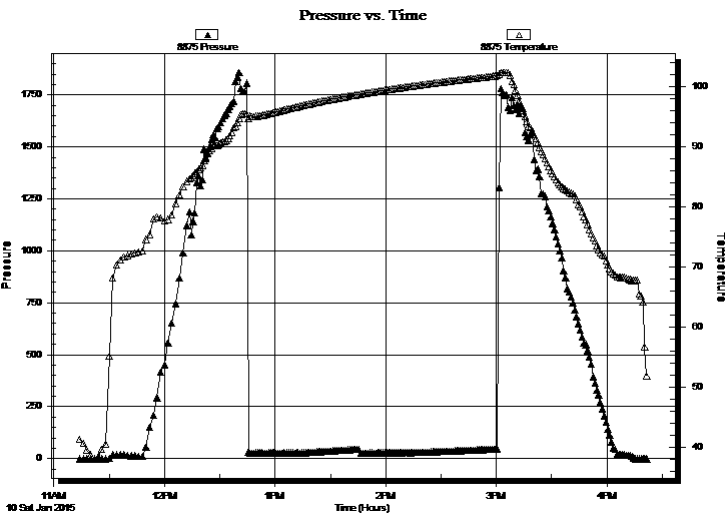
GENERAL INFORMATION:

Formation: **LKC H**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 12:46:00 Tester: Dustin Ellis
 Time Test Ended: 16:21:30 Unit No: S2
Interval: 3568.00 ft (KB) To 3595.00 ft (KB) (TVD) Reference Elevations: 1925.00 ft (KB)
 Total Depth: 3595.00 ft (KB) (TVD) 1918.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 8875 Inside

Press@RunDepth: psig @ 3590.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2015.01.10 End Date: 2015.01.10 Last Calib.: 2015.01.10
 Start Time: 11:14:00 End Time: 16:21:30 Time On Btm:
 Time Off Btm:

TEST COMMENT: IFP 30 min Weak blow built to 1 1/2"
 ISI 30 min No blow back
 FFP 30 min Weak blow built to 1"
 FSI 45 min No blow back.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Oil specked mud 100%Mud	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy

36-22s-14w Stafford,KS

PO Box 252
Great Bend, KS 67530

Gleason #1

Job Ticket: 62109

DST#: 1

ATTN: Kurt Talbolt

Test Start: 2015.01.10 @ 11:13:00

Tool Information

Drill Pipe:	Length: 3577.00 ft	Diameter: 3.80 inches	Volume: 50.18 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 67000.00 lb
			<u>Total Volume: 50.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3568.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	47.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3553.00	
Hydraulic tool	5.00			3558.00	
Top Packer	5.00			3563.00	
Packer	5.00			3568.00	20.00 Bottom Of Top Packer
Anchor	22.00			3590.00	
Recorder	0.00	8875	Inside	3590.00	
Recorder	0.00	6839	Outside	3590.00	
Bull Plug	5.00			3595.00	27.00 Anchor Tool

Total Tool Length: 47.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy

36-22s-14w Stafford,KS

PO Box 252
Great Bend, KS 67530

Gleason #1

Job Ticket: 62109

DST#: 1

ATTN: Kurt Talbolt

Test Start: 2015.01.10 @ 11:13:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Oil specked mud 100%Mud	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

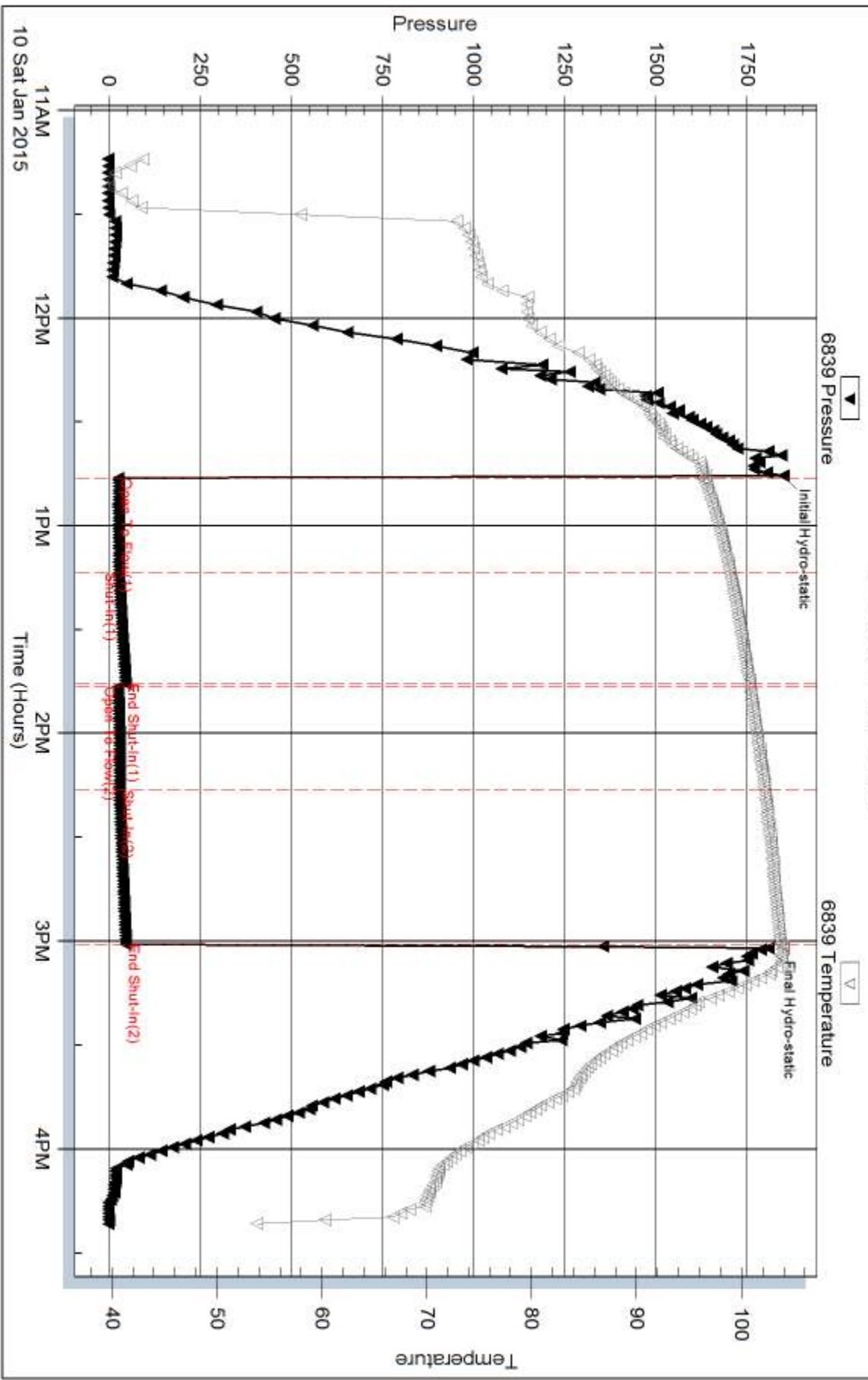
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



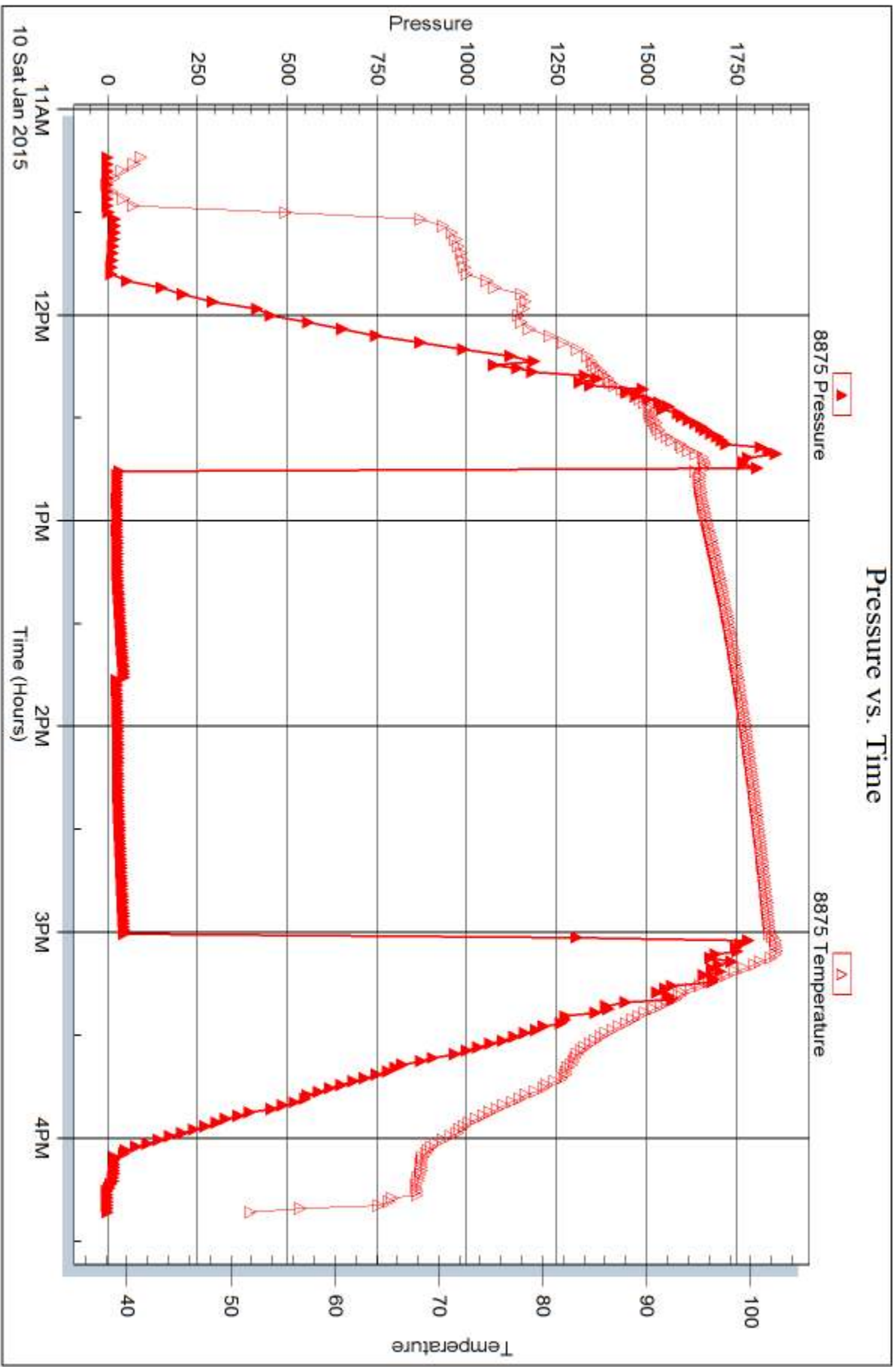
Serial #: 8875

Inside

Charter Energy

Season #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Charter Energy**

PO Box 252
Great Bend, KS 67530

ATTN: Kurt Talbolt

Gleason #1

36-22s-14w Stafford,KS

Start Date: 2015.01.11 @ 03:07:00

End Date: 2015.01.11 @ 09:36:00

Job Ticket #: 62110 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.01.15 @ 09:54:41



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charter Energy
PO Box 252
Great Bend, KS 67530
ATTN: Kurt Talbolt

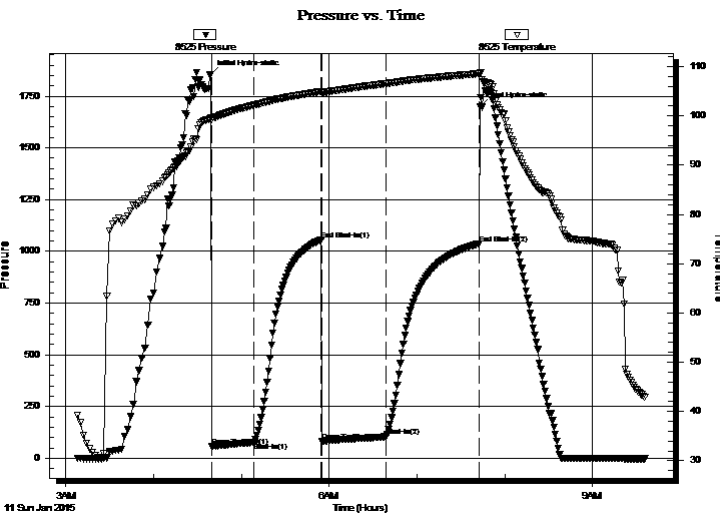
36-22s-14w Stafford,KS
Gleason #1
Job Ticket: 62110 **DST#: 2**
Test Start: 2015.01.11 @ 03:07:00

GENERAL INFORMATION:

Formation: **LKC "I-K"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:39:30
Time Test Ended: 09:36:00
Interval: **3607.00 ft (KB) To 3690.00 ft (KB) (TVD)**
Total Depth: 3690.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Ellis
Unit No: 59
Reference Elevations: 1925.00 ft (KB)
1918.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8525 Inside
Press@RunDepth: 105.24 psig @ 3685.10 ft (KB) Capacity: 5000.00 psig
Start Date: 2015.01.11 End Date: 2015.01.11 Last Calib.: 2015.01.11
Start Time: 03:08:00 End Time: 09:36:00 Time On Btm: 2015.01.11 @ 04:39:00
Time Off Btm: 2015.01.11 @ 07:43:00

TEST COMMENT: IFP 30 min BOB in 7 min.
ISI 45 min No blow back
FFP 45 min BOB in 5 min.
FSI 60 min No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1855.13	99.58	Initial Hydro-static
1	56.68	99.17	Open To Flow (1)
30	77.25	102.18	Shut-In(1)
76	1056.30	104.97	End Shut-In(1)
76	83.23	104.73	Open To Flow (2)
120	105.24	106.55	Shut-In(2)
184	1036.97	108.58	End Shut-In(2)
184	1701.08	108.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	GOCM Mud 85% Oil 10% Gas 5%	0.88
67.00	GMCO Oil 50% Mud 40% Gas 10%	0.94
0.00	950 gas in pipe	0.00

Gas Rates

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



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DRILL STEM TEST REPORT

Charter Energy

36-22s-14w Stafford,KS

PO Box 252
Great Bend, KS 67530

Gleason #1

Job Ticket: 62110

DST#: 2

ATTN: Kurt Talbolt

Test Start: 2015.01.11 @ 03:07:00

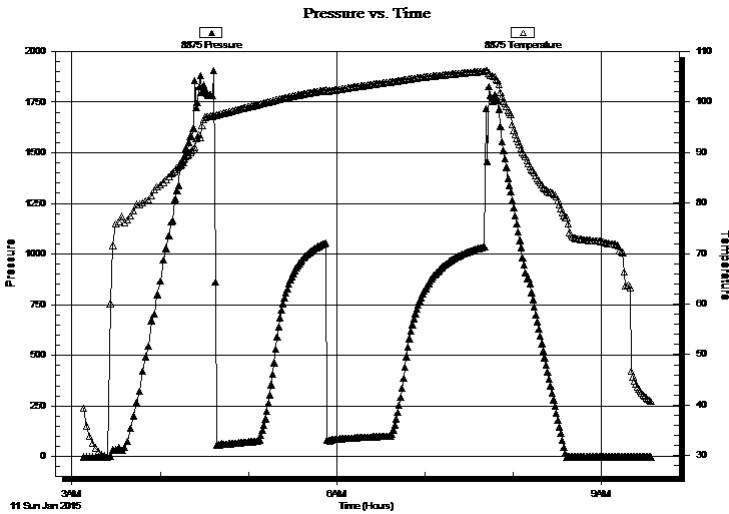
GENERAL INFORMATION:

Formation: **LKC "I-K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:39:30
 Time Test Ended: 09:36:00
 Interval: **3607.00 ft (KB) To 3690.00 ft (KB) (TVD)**
 Total Depth: 3690.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 59
 Reference Elevations: 1925.00 ft (KB)
 1918.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8875 Outside
 Press@RunDepth: psig @ 3685.10 ft (KB) Capacity: 5000.00 psig
 Start Date: 2015.01.11 End Date: 2015.01.11 Last Calib.: 2015.01.11
 Start Time: 03:08:00 End Time: 09:34:00 Time On Btm:
 Time Off Btm:

TEST COMMENT: IFP 30 min BOB in 7 min.
 ISI 45 min No blow back
 FFP 45 min BOB in 5 min.
 FSI 60 min No blow back.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
63.00	GOCM Mud 85% Oil 10% Gas 5%	0.88
67.00	GMCO Oil 50% Mud 40% Gas 10%	0.94
0.00	950 gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy

36-22s-14w Stafford,KS

PO Box 252
Great Bend, KS 67530

Gleason #1

Job Ticket: 62110

DST#: 2

ATTN: Kurt Talbolt

Test Start: 2015.01.11 @ 03:07:00

Tool Information

Drill Pipe:	Length: 3612.00 ft	Diameter: 3.80 inches	Volume: 50.67 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 67000.00 lb
			<u>Total Volume: 50.67 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3607.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	83.10 ft			
Tool Length:	103.10 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3592.00	
Hydraulic tool	5.00			3597.00	
Top Packer	5.00			3602.00	
Packer	5.00			3607.00	20.00 Bottom Of Top Packer
Anchor	5.00			3612.00	
Change Over Sub	0.75			3612.75	
Drill Pipe	63.60			3676.35	
Change Over Sub	0.75			3677.10	
Anchor	8.00			3685.10	
Recorder	0.00	8525	Inside	3685.10	
Recorder	0.00	8875	Outside	3685.10	
Bull Plug	5.00			3690.10	83.10 Anchor Tool

Total Tool Length: 103.10



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy

36-22s-14w Stafford,KS

PO Box 252
Great Bend, KS 67530

Gleason #1

Job Ticket: 62110

DST#: 2

ATTN: Kurt Talbolt

Test Start: 2015.01.11 @ 03:07:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 98.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	GOCM Mud 85% Oil 10% Gas 5%	0.884
67.00	GMCO Oil 50% Mud 40% Gas 10%	0.940
0.00	950 gas in pipe	0.000

Total Length: 130.00 ft

Total Volume: 1.824 bbl

Num Fluid Samples: 0

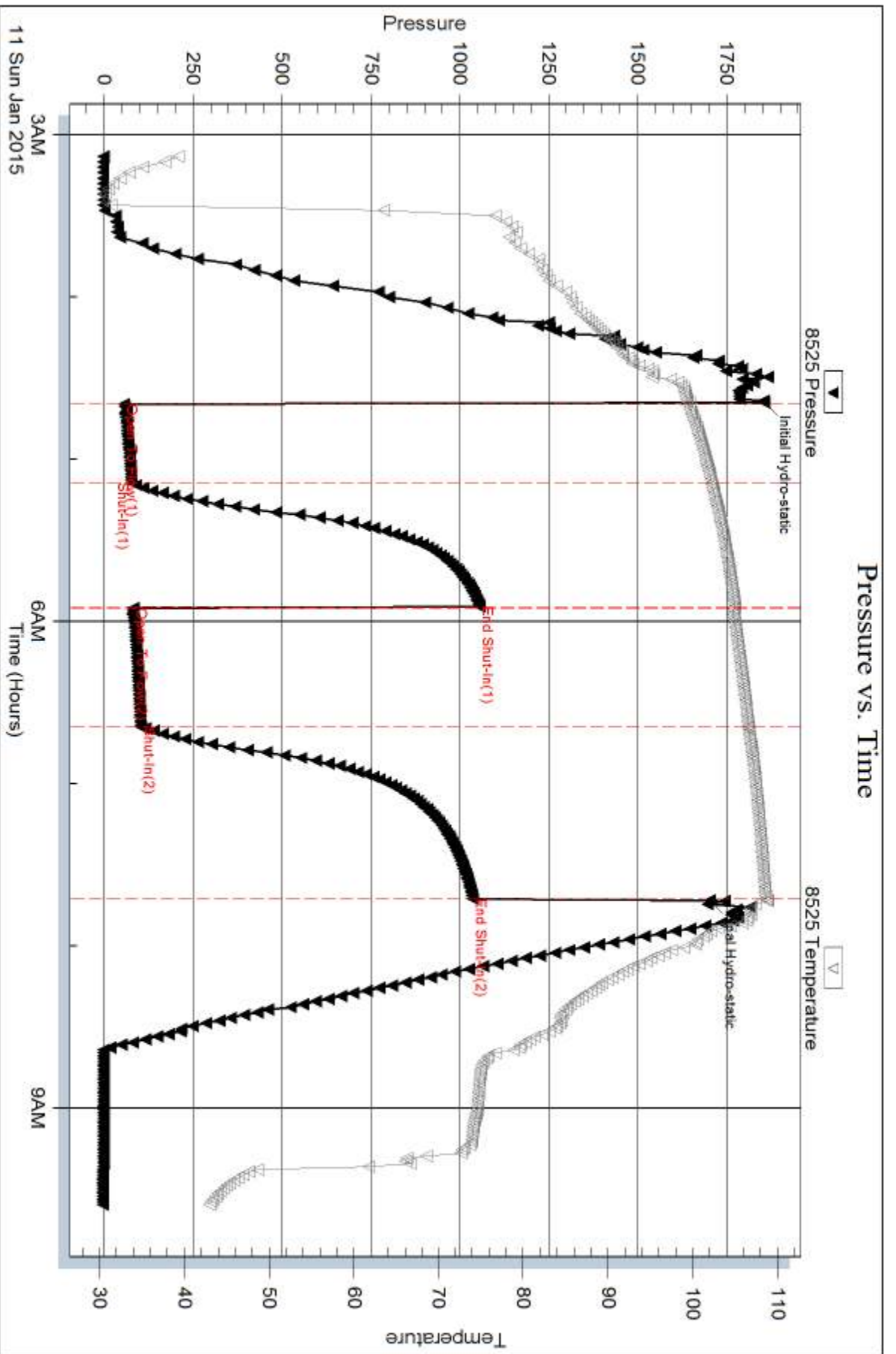
Num Gas Bombs: 0

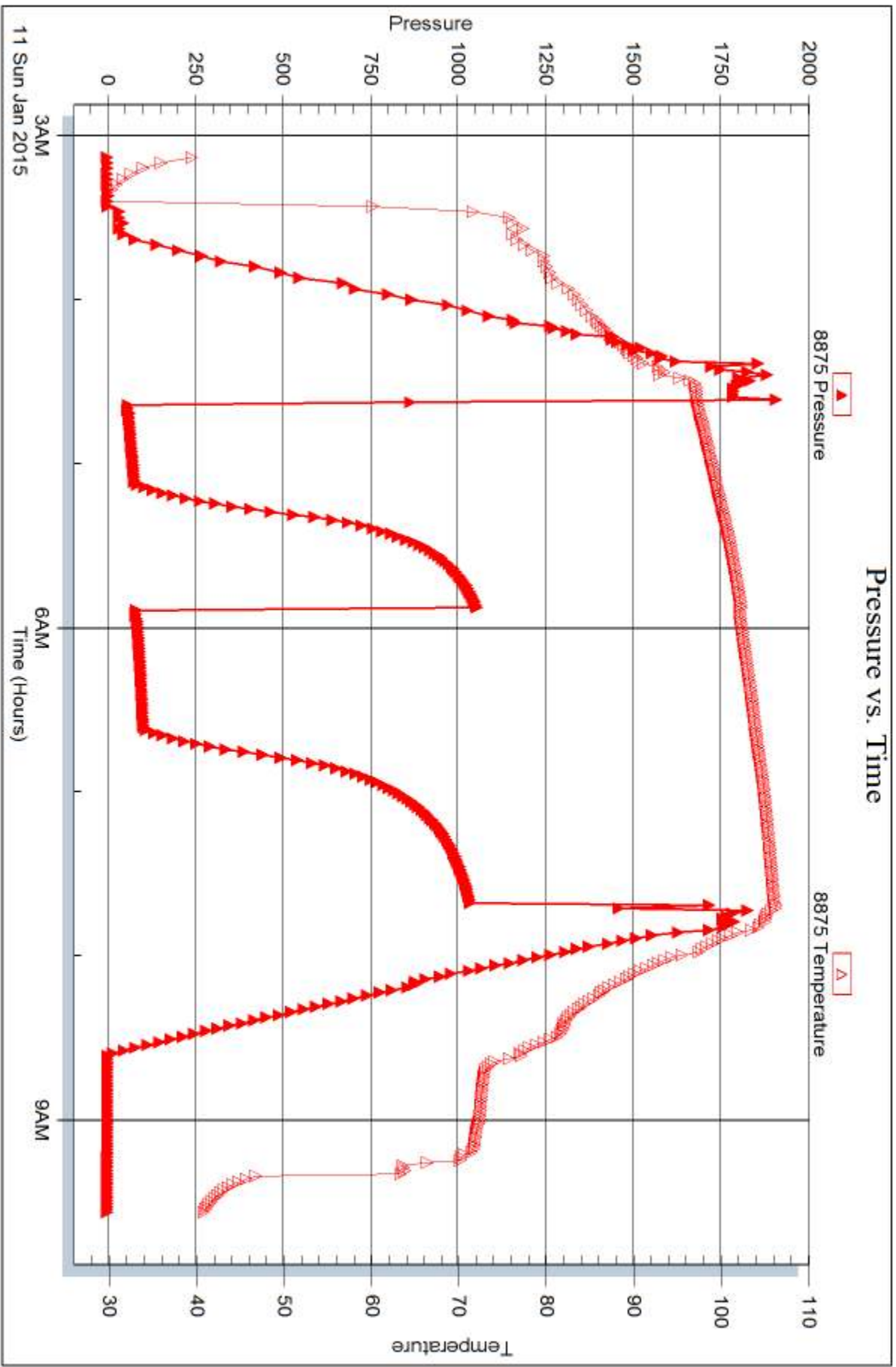
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Charter Energy**

PO Box 252
Great Bend, KS 67530

ATTN: Kurt Talbolt

Gleason #1

36-22s-14w Stafford,KS

Start Date: 2015.01.12 @ 12:45:00

End Date: 2015.01.12 @ 18:05:00

Job Ticket #: 62111 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.01.15 @ 09:53:51



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charter Energy
PO Box 252
Great Bend, KS 67530
ATTN: Kurt Talbolt

36-22s-14w Stafford,KS

Gleason #1

Job Ticket: 62111

DST#: 3

Test Start: 2015.01.12 @ 12:45:00

GENERAL INFORMATION:

Formation: **Simpson - Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:22:00

Time Test Ended: 18:05:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 59

Interval: 3767.00 ft (KB) To 3835.00 ft (KB) (TVD)

Reference Elevations: 1925.00 ft (KB)

Total Depth: 3835.00 ft (KB) (TVD)

1918.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8875

Inside

Press@RunDepth: 225.25 psig @ 3830.30 ft (KB)

Capacity: 5000.00 psig

Start Date: 2015.01.12

End Date:

2015.01.12

Last Calib.:

2015.01.12

Start Time: 00:46:00

End Time:

06:05:00

Time On Btm:

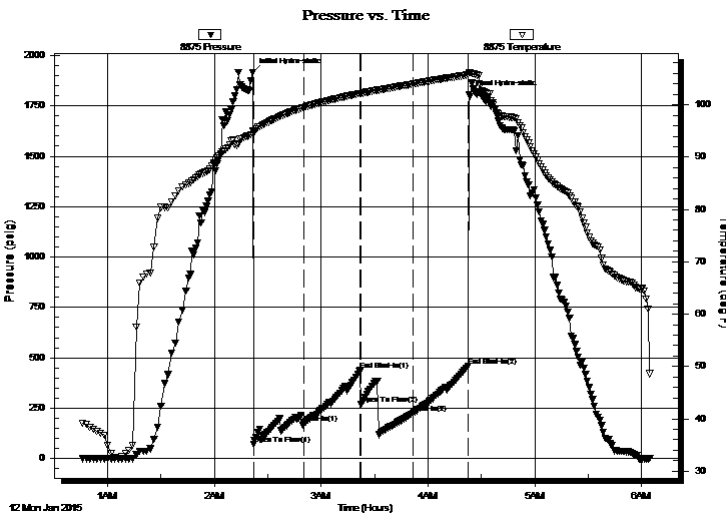
2015.01.12 @ 02:21:30

Time Off Btm:

2015.01.12 @ 04:23:00

TEST COMMENT: IFP 30 min Weak building blow built to 2"
ISI 30 min No blow back
FFP 30 min Dead Flushed tool- built to 1"
FSI 30 min No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1913.67	94.99	Initial Hydro-static
1	71.08	94.68	Open To Flow (1)
29	174.25	99.51	Shut-In(1)
61	437.69	102.18	End Shut-In(1)
61	270.65	102.18	Open To Flow (2)
90	225.25	103.97	Shut-In(2)
121	460.12	105.73	End Shut-In(2)
122	1805.90	106.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100%	0.21

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Charter Energy
PO Box 252
Great Bend, KS 67530
ATTN: Kurt Talbolt

36-22s-14w Stafford,KS
Gleason #1
Job Ticket: 62111 **DST#: 3**
Test Start: 2015.01.12 @ 12:45:00

GENERAL INFORMATION:

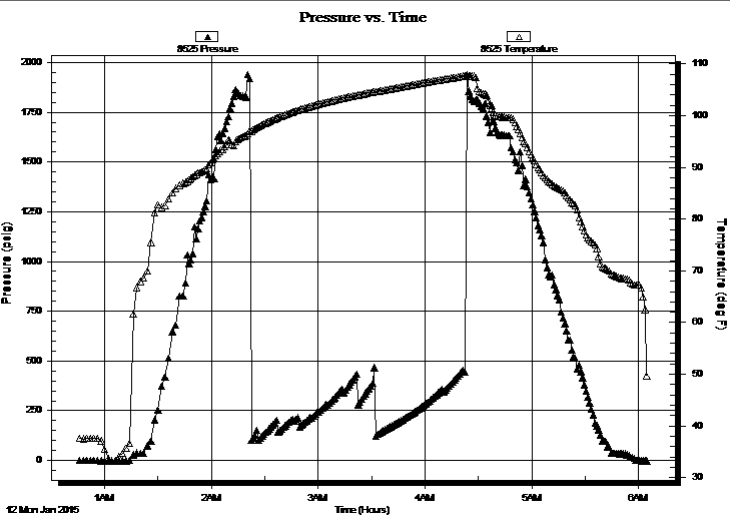
Formation: **Simpson - Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 14:22:00 Tester: Dustin Ellis
 Time Test Ended: 18:05:00 Unit No: 59
 Interval: **3767.00 ft (KB) To 3835.00 ft (KB) (TVD)** Reference Elevations: 1925.00 ft (KB)
 Total Depth: 3835.00 ft (KB) (TVD) 1918.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 8525

Inside

Press@RunDepth: psig @ 3830.30 ft (KB) Capacity: 5000.00 psig
 Start Date: 2015.01.12 End Date: 2015.01.12 Last Calib.: 2015.01.12
 Start Time: 00:46:00 End Time: 06:05:00 Time On Btm:
 Time Off Btm:

TEST COMMENT: IFP 30 min Weak building blow built to 2"
 ISI 30 min No blow back
 FFP 30 min Dead Flushed tool- built to 1"
 FSI 30 min No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100%	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charter Energy

36-22s-14w Stafford,KS

PO Box 252
Great Bend, KS 67530

Gleason #1

Job Ticket: 62111

DST#: 3

ATTN: Kurt Talbolt

Test Start: 2015.01.12 @ 12:45:00

Tool Information

Drill Pipe:	Length: 3770.00 ft	Diameter: 3.80 inches	Volume: 52.88 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 52.88 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3767.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.30 ft			
Tool Length:	88.30 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3752.00	
Hydraulic tool	5.00			3757.00	
Top Packer	5.00			3762.00	
Packer	5.00			3767.00	20.00 Bottom Of Top Packer
Anchor	10.00			3777.00	
Change Over Sub	0.75			3777.75	
Drill Pipe	31.80			3809.55	
Change Over Sub	0.75			3810.30	
Anchor	20.00			3830.30	
Recorder	0.00	8875	Inside	3830.30	
Recorder	0.00	6839	Outside	3830.30	
Bull Plug	5.00			3835.30	68.30 Anchor Tool

Total Tool Length: 88.30



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charter Energy

36-22s-14w Stafford,KS

PO Box 252
Great Bend, KS 67530

Gleason #1

Job Ticket: 62111

DST#: 3

ATTN: Kurt Talbolt

Test Start: 2015.01.12 @ 12:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 16.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 16000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud 100%	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

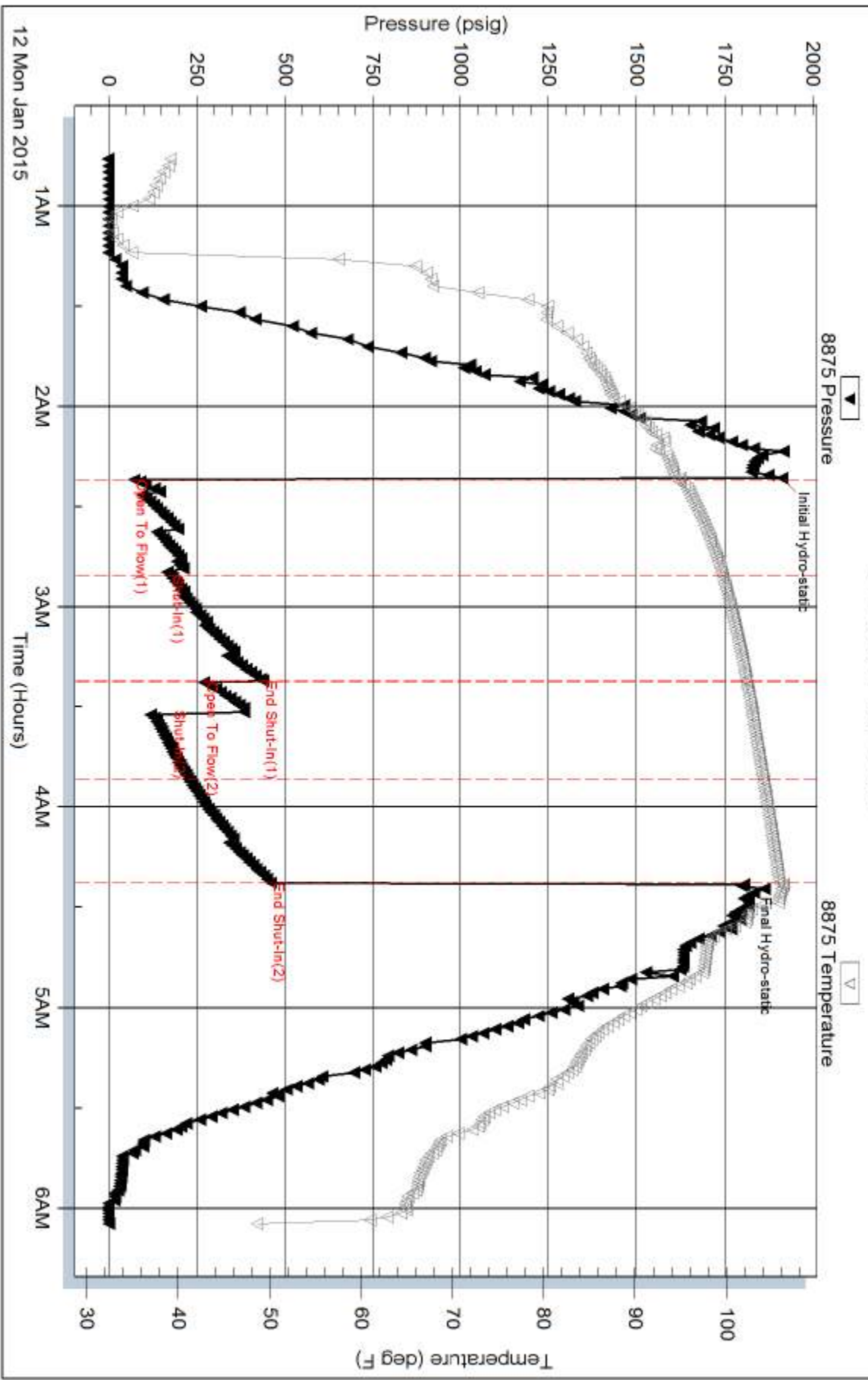
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



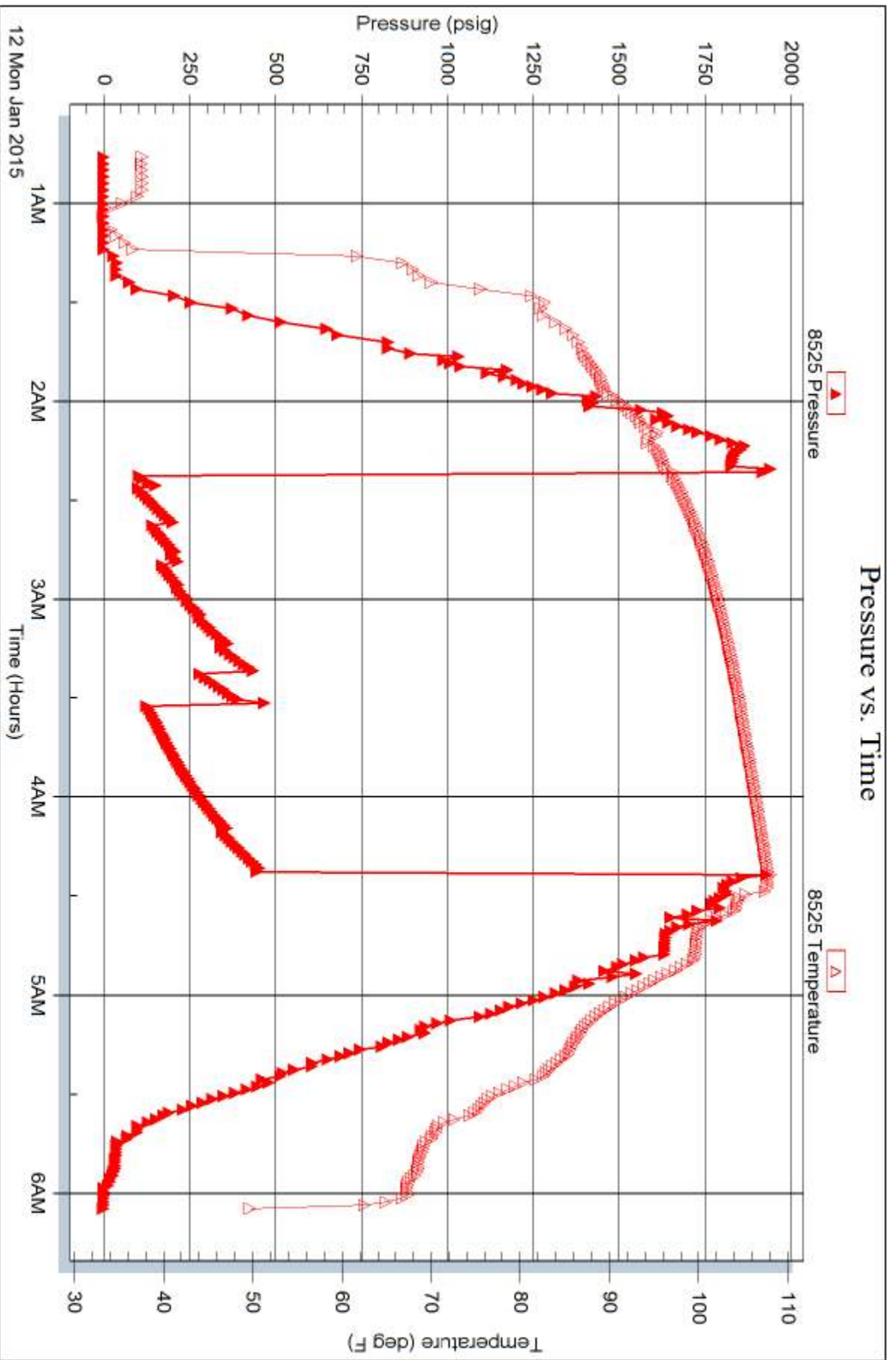
Serial #: 8525

Inside

Charter Energy

Season #1

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62109

Well Name & No. Gleason #1 Test No. 1-10-15 Date 1-
 Company Charter Energy Elevation 1918 KB 1925 GL
 Address PO Box 252 Great Bend KS 67530
 Co. Rep / Geo. Kurt Falbolt Rig Royal Drilling
 Location: Sec. 36 Twp. 22 Rge. 14 Co. Stafford State KS

Interval Tested 3568-3595 Zone Tested Lansing H
 Anchor Length 27 Drill Pipe Run 3577 Mud Wt. 9.4
 Top Packer Depth 3563 Drill Collars Run 0 Vis 6+1
 Bottom Packer Depth 3568 Wt. Pipe Run 46,000 WL 9.6
 Total Depth 3595 Chlorides 6700 ppm System LCM 0

Blow Description 1st open - weak building blow built to 1.5 inches.
1st shut in - No blow back.
2nd open - weak building blow built to 1 inch.
2nd shut in - No blow back.

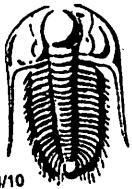
Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>oil special mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 15 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1848 Test 1050 T-On Location 10:00am
 (B) First Initial Flow 26 Jars _____ T-Started 11:13am
 (C) First Final Flow 27 Safety Joint _____ T-Open 12:45pm
 (D) Initial Shut-In 45 Circ Sub _____ T-Pulled 3:00pm
 (E) Second Initial Flow 25 Hourly Standby _____ T-Out 4:30pm
 (F) Second Final Flow 29 Mileage 54 54 Comments Thanks for the work!!
 (G) Final Shut-In 47 Sampler _____
 (H) Final Hydrostatic 1907 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1104
 Final Flow 30 Accessibility _____ MP/DST Disc
 Final Shut-In 45 Sub Total 1104

Approved By _____ Our Representative Dustin Ellis

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62110

4/10

Well Name & No. Gleason #1 Test No. 21115 Date 1-11-15
 Company Charter Energy Elevation 1918 KB 1925 GL
 Address PO Box 252 Great Bend KS 67530 Rig Royal Drilling
 Co. Rep / Geo. Kurt Talbott Co. Stafford State KS
 Location: Sec. 36 Twp. 22 Rge. 14

Interval Tested 3607-3690 Zone Tested Lansing IJK
 Anchor Length 83 Drill Pipe Run 3612 Mud Wt. 9.4
 Top Packer Depth 3602 Drill Collars Run 0 Vis 64
 Bottom Packer Depth 3607 Wt. Pipe Run 47000 WL 9.6
 Total Depth 3690 Chlorides 6200 ppm System LCM 0

Blow Description 1st open - BOB 7 min.
1st shut in - No blow back
2nd open - BOB 3 min.
2nd shut in - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>63</u>	<u>gassy oil cut mud</u>	<u>5</u>	<u>10</u>	<u>85</u>	<u>0</u>
<u>67</u>	<u>gassy oil cut mud</u>	<u>10</u>	<u>50</u>	<u>40</u>	<u>0</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 130 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

- (A) Initial Hydrostatic 1855
- (B) First Initial Flow 56
- (C) First Final Flow 77
- (D) Initial Shut-In 1056
- (E) Second Initial Flow 83
- (F) Second Final Flow 105
- (G) Final Shut-In 1036
- (H) Final Hydrostatic 1701

- Test 1050
- Jars _____
- Safety Joint _____
- Circ Sub _____
- Hourly Standby _____
- Mileage 54 54
- Sampler _____
- Straddle _____
- Shale Packer _____
- Extra Packer _____
- Extra Recorder _____
- Day Standby _____
- Accessibility _____
- Sub Total 1104

- T-On Location 2.45 am
- T-Started 3.07 am
- T-Open 4.37 am
- T-Pulled 17.46 am
- T-Out 9.40 am
- Comments 950 ft gas in pipe
- Ruined Shale Packer _____
- Ruined Packer _____
- Extra Copies 0
- Sub Total 1104
- Total 1104
- MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60

Approved By _____ Our Representative Dustin Ellis
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62111

Well Name & No. Gleason #1 Test No. 3 Date 1-12-15
 Company Charter Energy Elevation 1918 KB 1925 GL
 Address Po Box 252 Great Bend KS 67530
 Co. Rep / Geo. Kurt Talbott Rig Royal Drilling
 Location: Sec. 30 Twp. 22 Rge. 14 Co. Stafford State KS

Interval Tested 3767-3835 Zone Tested Simpson - Arbuckle
 Anchor Length 68 Drill Pipe Run 3770 Mud Wt. 9.1
 Top Packer Depth 3762 Drill Collars Run 0 Vis 53
 Bottom Packer Depth 3767 Wt. Pipe Run 48,000 WL 16.8
 Total Depth 3835 Chlorides 16600 ppm System LCM 1

Blow Description 1st open - weak building blow built to 2 inches
1st shut-in - No blow back
2nd open - Dead Flashed tool
2nd shut-in - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>mud</u>			<u>100</u>	

Rec Total 15 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1913 Test 850 T-On Location 12:15am
 (B) First Initial Flow 71 Jars _____ T-Started 12:45am
 (C) First Final Flow 174 Safety Joint _____ T-Open 2:21am
 (D) Initial Shut-In 437 Circ Sub _____ T-Pulled 4:21
 (E) Second Initial Flow 270 Hourly Standby _____ T-Out 6:00am
 (F) Second Final Flow 225 Mileage 54 54 Comments _____
 (G) Final Shut-In 460 Sampler _____
 (H) Final Hydrostatic 1805 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 30 Shale Packer _____
 Initial Shut-In 30 Extra Packer _____
 Final Flow 30 Extra Recorder _____
 Final Shut-In 30 Day Standby _____
 Accessibility _____
 Sub Total 904 Total 904 MP/DST Disc't _____

Approved By _____ Our Representative Dustin Ellis

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