



DRILL STEM TEST REPORT

Prepared For: **K&N Petroleum**
1105 Walnut
Great Bend KS 67530

ATTN: Kurt Talbolt

Norman Klepper #1

36-20s-12w Barton,KS

Start Date: 2014.11.25 @ 06:40:00

End Date: 2014.11.25 @ 12:14:30

Job Ticket #: 60297 DST #: 1

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

Printed: 2014.11.28 @ 15:35:03



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

K&N Petroleum
 1105 Walnut
 Great Bend KS 67530
 ATTN: Kurt Talbolt

36-20s-12w Barton,KS

Norman Klepper #1

Job Ticket: 60297

DST#: 1

Test Start: 2014.11.25 @ 06:40:00

GENERAL INFORMATION:

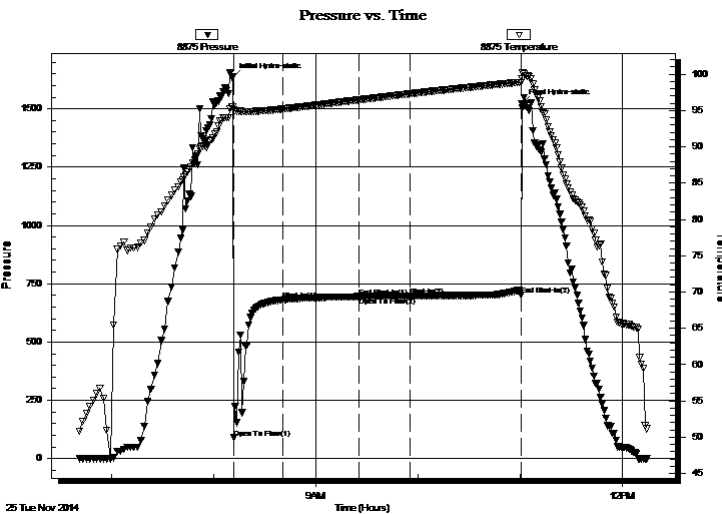
Formation: **LKC A-F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:11:30
 Time Test Ended: 12:14:30
 Interval: **3147.00 ft (KB) To 3240.00 ft (KB) (TVD)**
 Total Depth: 3240.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: S2
 Reference Elevations: 1819.00 ft (KB)
 1811.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8875

Outside

Press@RunDepth: 698.00 psig @ 3235.11 ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.11.25 End Date: 2014.11.25 Last Calib.: 2014.11.25
 Start Time: 06:41:00 End Time: 12:14:30 Time On Btm: 2014.11.25 @ 08:11:00
 Time Off Btm: 2014.11.25 @ 11:01:00

TEST COMMENT: IFP 30 min. Good blow built to 9"
 ISI 45 min. No blow back.
 FFP 30 min. Dead very weak blow died.
 FSI60 min.No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1635.87	95.48	Initial Hydro-static
1	89.24	95.07	Open To Flow (1)
30	681.53	95.20	Shut-In(1)
74	694.91	96.45	End Shut-In(1)
75	694.89	96.46	Open To Flow (2)
105	698.00	97.29	Shut-In(2)
170	702.78	98.88	End Shut-In(2)
170	1523.70	99.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Mud 100%	0.70

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

K&N Petroleum

36-20s-12w Barton,KS

1105 Walnut
Great Bend KS 67530

Norman Klepper #1

Job Ticket: 60297

DST#: 1

ATTN: Kurt Talbolt

Test Start: 2014.11.25 @ 06:40:00

Tool Information

Drill Pipe:	Length: 3138.00 ft	Diameter: 3.80 inches	Volume: 44.02 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: 55000.00 lb
			<u>Total Volume: 44.02 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3147.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	93.11 ft			
Tool Length:	113.11 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			3132.00	
Hydraulic tool	5.00			3137.00	
Top Packer	5.00			3142.00	
Packer	5.00			3147.00	20.00 Bottom Of Top Packer
Anchor	6.00			3153.00	
Change Over Sub	0.75			3153.75	
Drill Pipe	62.61			3216.36	
Change Over Sub	0.75			3217.11	
Anchor	18.00			3235.11	
Recorder	0.00	6839	Inside	3235.11	
Recorder	0.00	8875	Outside	3235.11	
Bull Plug	5.00			3240.11	93.11 Anchor Tool

Total Tool Length: 113.11



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

K&N Petroleum

36-20s-12w Barton,KS

1105 Walnut
Great Bend KS 67530

Norman Klepper #1

Job Ticket: 60297

DST#: 1

ATTN: Kurt Talbolt

Test Start: 2014.11.25 @ 06:40:00

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: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	Mud 100%	0.701

Total Length: 50.00 ft Total Volume: 0.701 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

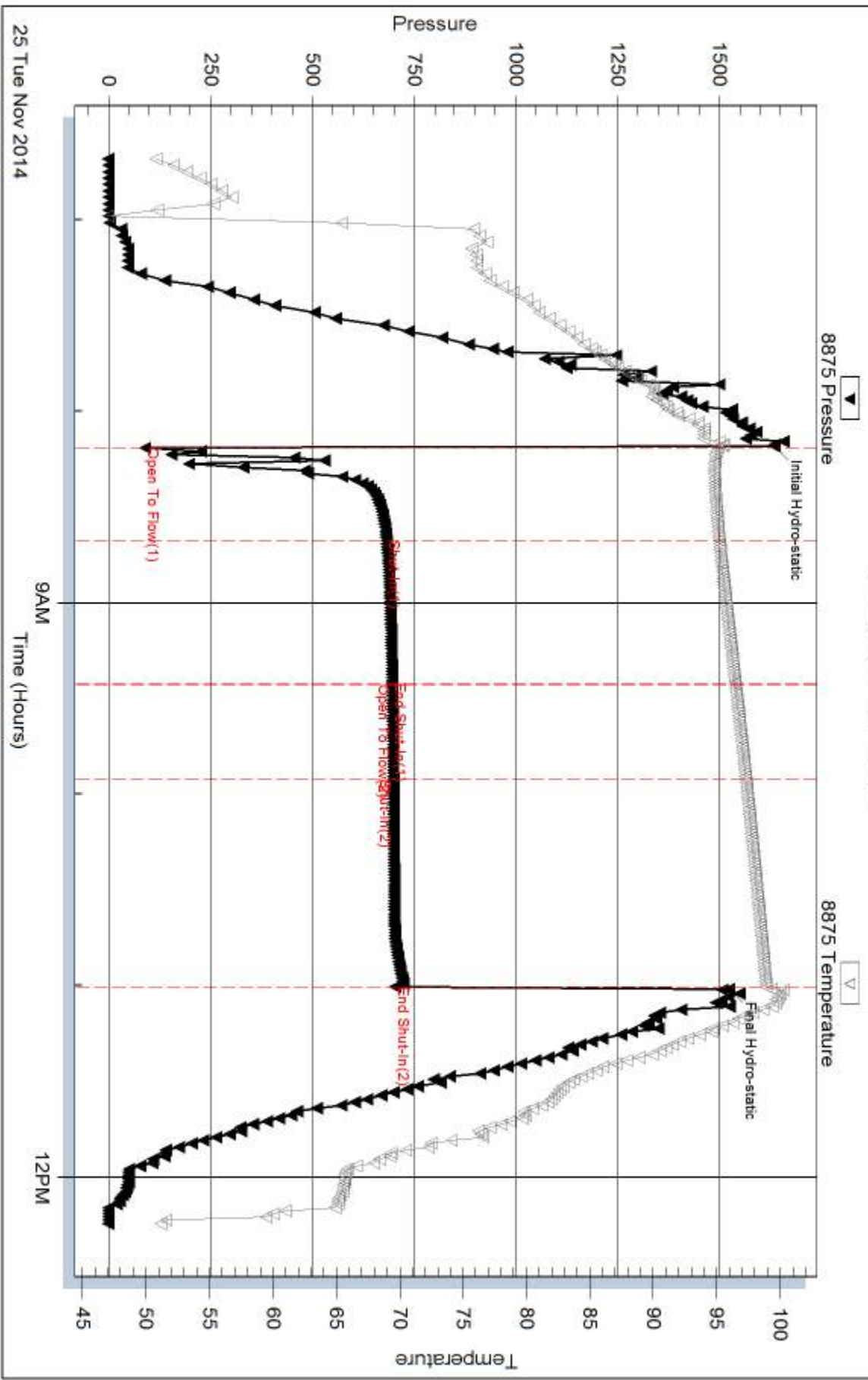
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



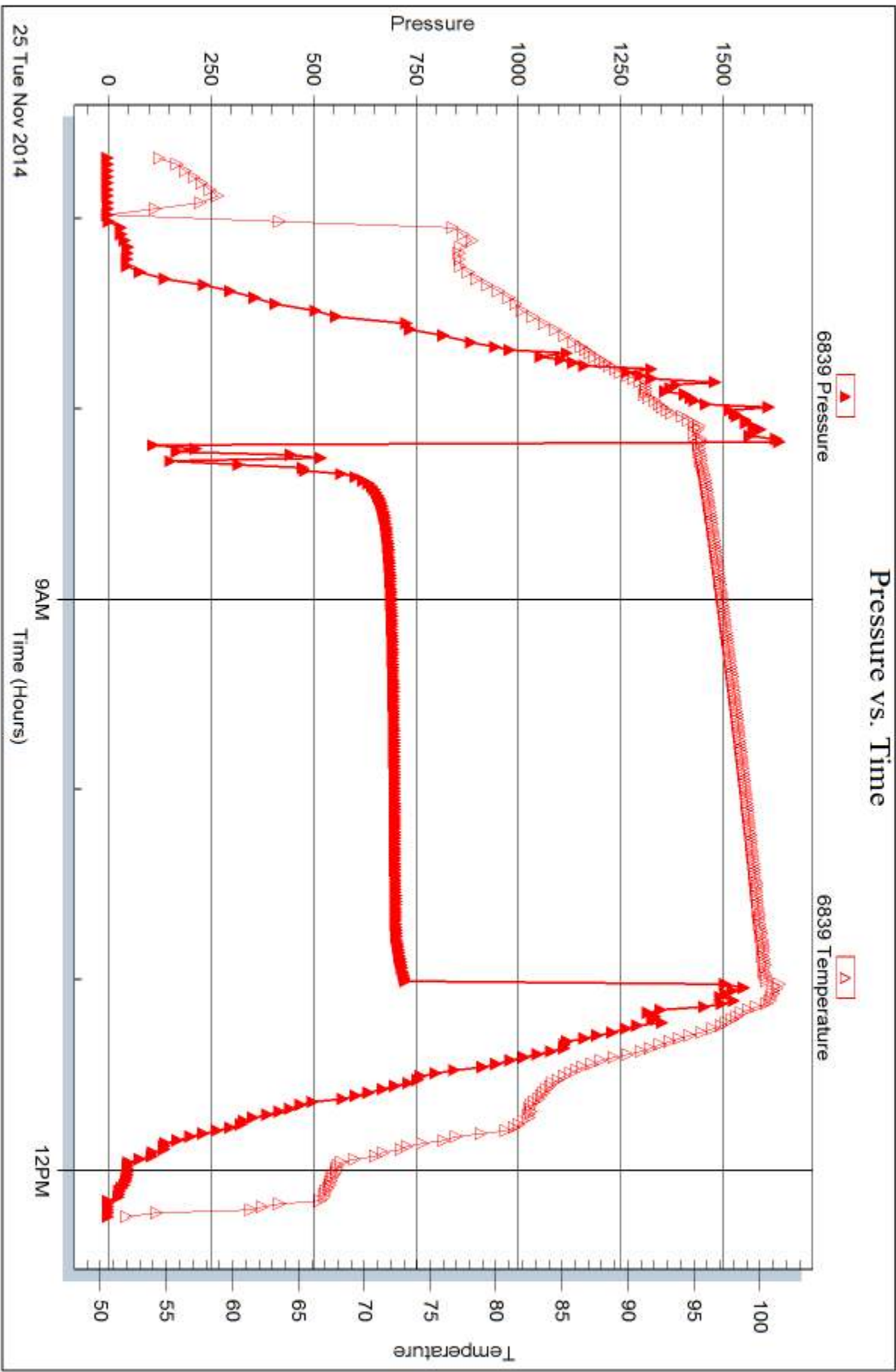
Serial #: 6839

Inside

K&N Petroleum

Norman Klepper #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 60297

Printed: 2014, 11, 28 @ 15:35:04



DRILL STEM TEST REPORT

Prepared For: **K&N Petroleum**
1105 Walnut
Great Bend KS 67530

ATTN: Kurt Talbolt

Norman Klepper #1

36-20s-12w Barton,KS

Start Date: 2014.11.26 @ 05:08:00

End Date: 2014.11.26 @ 11:04:30

Job Ticket #: 60298 DST #: 2

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

Printed: 2014.11.28 @ 15:33:49



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

K&N Petroleum
1105 Walnut
Great Bend KS 67530
ATTN: Kurt Talbott

36-20s-12w Barton,KS

Norman Klepper #1

Job Ticket: 60298 **DST#: 2**

Test Start: 2014.11.26 @ 05:08:00

GENERAL INFORMATION:

Formation: **Lower LKC**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 06:28:00 Tester: Dustin Ellis
 Time Test Ended: 11:04:30 Unit No: S21
 Interval: **3293.00 ft (KB) To 3388.00 ft (KB) (TVD)** Reference Elevations: 1819.00 ft (KB)
 Total Depth: 3388.00 ft (KB) (TVD) 1811.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

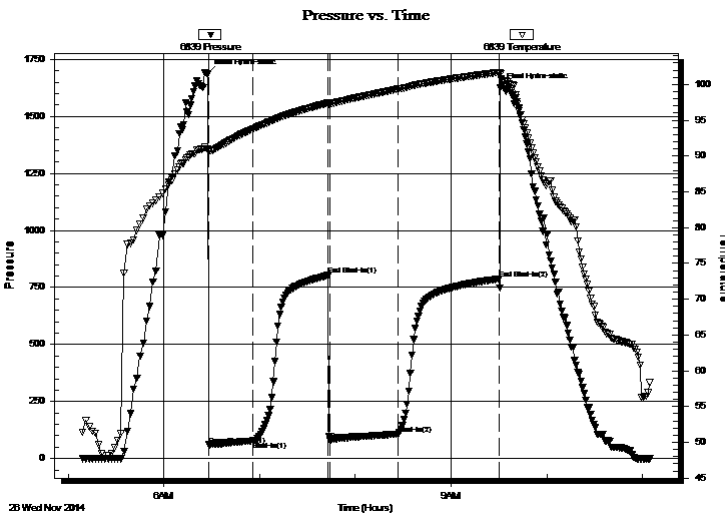
Serial #: 6839

Inside

Press@RunDepth: 107.76 psig @ 3383.11 ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.11.26 End Date: 2014.11.26 Last Calib.: 2014.11.26
 Start Time: 05:09:00 End Time: 11:04:30 Time On Btm: 2014.11.26 @ 06:27:30
 Time Off Btm: 2014.11.26 @ 09:31:00

TEST COMMENT: IFP 30 min. Fair blow, BOB in 9 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	1686.13	91.02	Initial Hydro-static
1	60.09	90.63	Open To Flow (1)
28	77.92	93.76	Shut-In(1)
76	802.95	97.41	End Shut-In(1)
77	80.48	97.30	Open To Flow (2)
120	107.76	99.35	Shut-In(2)
183	787.93	101.69	End Shut-In(2)
184	1625.22	101.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
140.00	VGOCM Gas 50% Oil 20% Mud 30%	1.96
0.00	252' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

K&N Petroleum

36-20s-12w Barton,KS

1105 Walnut
Great Bend KS 67530

Norman Klepper #1

Job Ticket: 60298

DST#: 2

ATTN: Kurt Talbolt

Test Start: 2014.11.26 @ 05:08:00

Tool Information

Drill Pipe:	Length: 3288.00 ft	Diameter: 3.80 inches	Volume: 46.12 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: 50000.00 lb
			<u>Total Volume: 46.12 bbl</u>	Tool Chased 48000.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3293.00 ft			Final 0.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	95.11 ft			
Tool Length:	115.11 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			3278.00	
Hydraulic tool	5.00			3283.00	
Top Packer	5.00			3288.00	
Packer	5.00			3293.00	20.00 Bottom Of Top Packer
Anchor	6.00			3299.00	
Change Over Sub	0.75			3299.75	
Drill Pipe	62.61			3362.36	
Change Over Sub	0.75			3363.11	
Anchor	20.00			3383.11	
Recorder	0.00	6839	Inside	3383.11	
Recorder	0.00	8875	Outside	3383.11	
Bull Plug	5.00			3388.11	95.11 Anchor Tool

Total Tool Length: 115.11



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

K&N Petroleum

36-20s-12w Barton,KS

1105 Walnut
Great Bend KS 67530

Norman Klepper #1

Job Ticket: 60298

DST#: 2

ATTN: Kurt Talbolt

Test Start: 2014.11.26 @ 05:08:00

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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
140.00	VGOCM Gas 50% Oil 20% Mud 30%	1.964
0.00	252' GIP	0.000

Total Length: 140.00 ft Total Volume: 1.964 bbl

Num Fluid Samples: 0

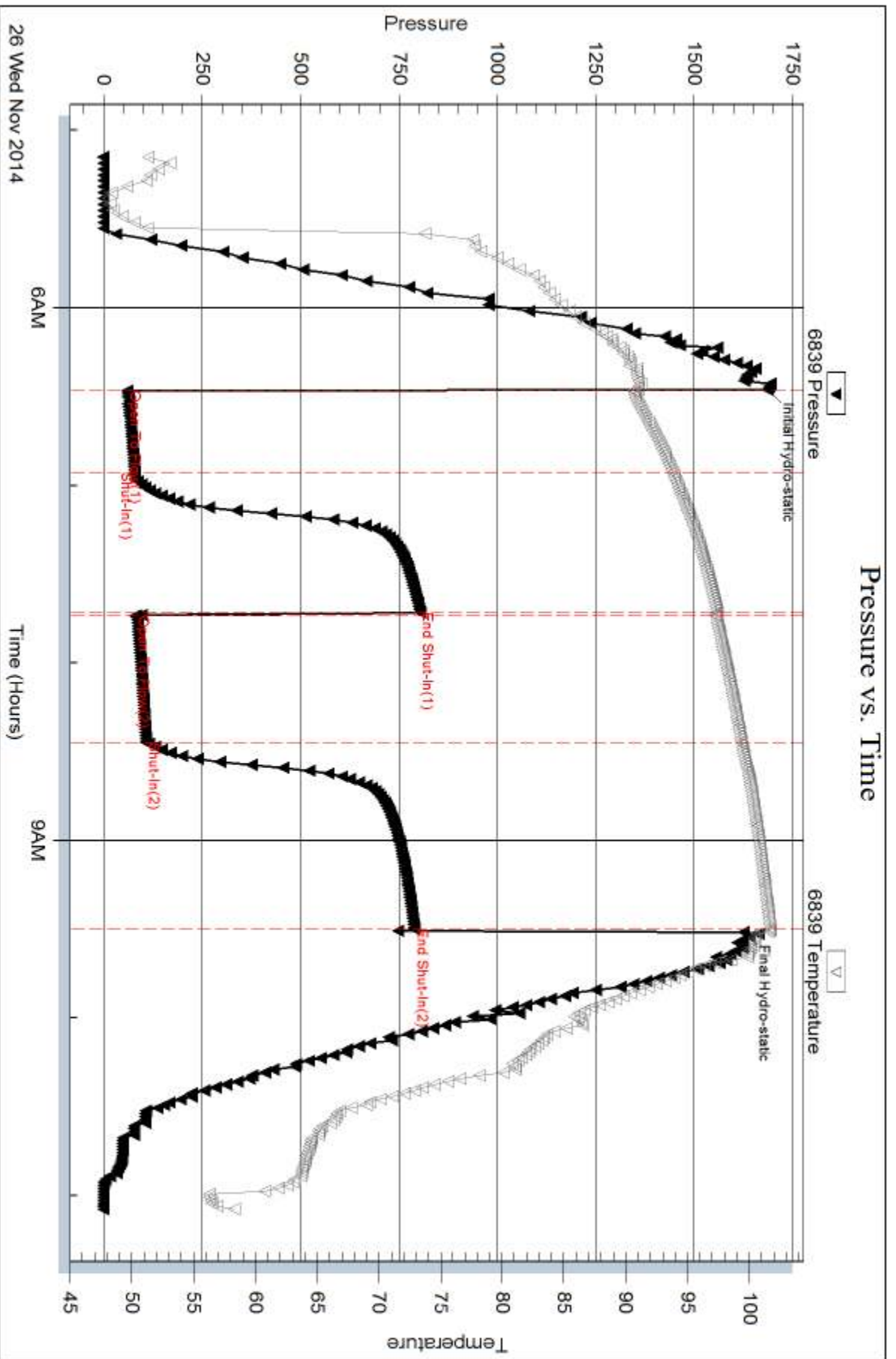
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

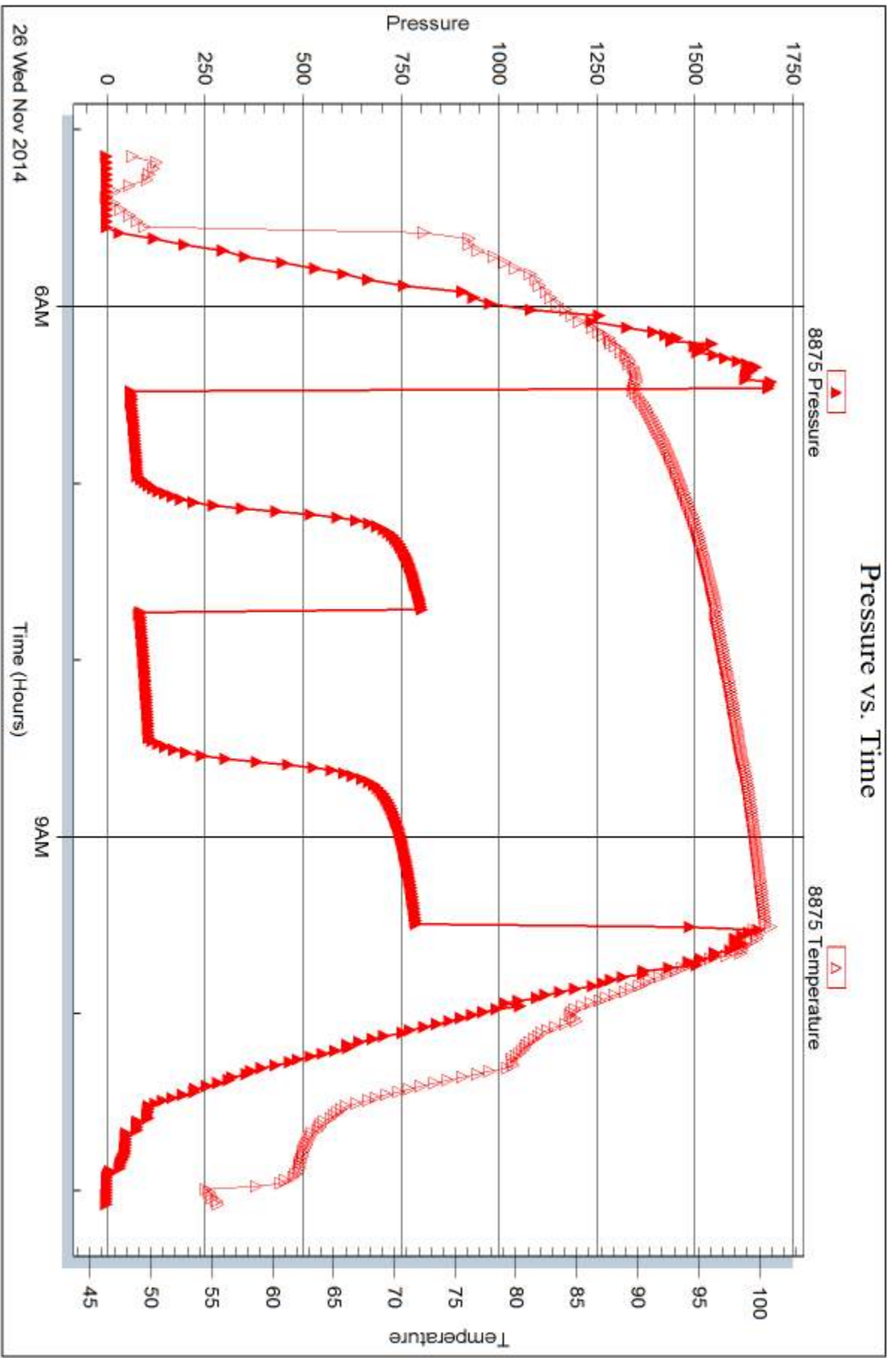


Serial #: 8875

Outside K&N Petroleum

Norman Klepper #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 60298

Printed: 2014, 11, 28 @ 15:33:50



DRILL STEM TEST REPORT

Prepared For: **K&N Petroleum**
1105 Walnut
Great Bend KS 67530

ATTN: Kurt Talbolt

Norman Klepper #1

36-20s-12w Barton,KS

Start Date: 2014.11.26 @ 18:55:00

End Date: 2014.11.27 @ 00:59:00

Job Ticket #: 60299 DST #: 3

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

Printed: 2014.11.28 @ 15:27:40



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

K&N Petroleum
1105 Walnut
Great Bend KS 67530
ATTN: Kurt Talbolt

36-20s-12w Barton,KS

Norman Klepper #1

Job Ticket: 60299 **DST#: 3**

Test Start: 2014.11.26 @ 18:55:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:15:30
 Time Test Ended: 00:59:00
 Interval: **3367.00 ft (KB) To 3422.00 ft (KB) (TVD)**
 Total Depth: 3422.00 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: 1819.00 ft (KB)
 1811.00 ft (CF)
 KB to GR/CF: 8.00 ft

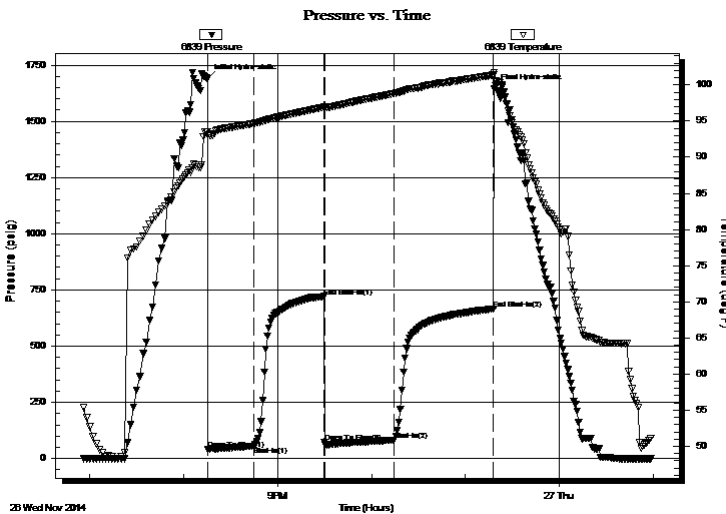
Serial #: 6839

Inside

Press@RunDepth: 82.91 psig @ 3417.49 ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.11.26 End Date: 2014.11.27 Last Calib.: 2014.11.27
 Start Time: 18:56:00 End Time: 00:59:00 Time On Btm: 2014.11.26 @ 20:15:00
 Time Off Btm: 2014.11.26 @ 23:18:30

TEST COMMENT: IFP 30 min BOB in 10 min.
 ISI 45 min. No blow back
 FFP 45 min BOB in 7 min.
 FSI 60 min .Yes Blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1690.31	93.52	Initial Hydro-static
1	40.00	93.16	Open To Flow (1)
30	55.94	94.67	Shut-In(1)
75	720.96	96.94	End Shut-In(1)
76	72.70	96.75	Open To Flow (2)
120	82.91	98.81	Shut-In(2)
183	666.38	101.37	End Shut-In(2)
184	1646.81	101.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Clean Gassy Oil 100%	0.28
121.00	GOCM Oil 10% Gas 20% Mud 70%	1.70
0.00	2714 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

K&N Petroleum

36-20s-12w Barton,KS

1105 Walnut
Great Bend KS 67530

Norman Klepper #1

ATTN: Kurt Talbolt

Job Ticket: 60299 **DST#: 3**

Test Start: 2014.11.26 @ 18:55:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:15:30

Time Test Ended: 00:59:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: S2

Interval: 3367.00 ft (KB) To 3422.00 ft (KB) (TVD)

Reference Elevations: 1819.00 ft (KB)

Total Depth: 3422.00 ft (KB) (TVD)

1811.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8875 Outside

Press@RunDepth: psig @ 3417.49 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.11.26 End Date: 2014.11.27

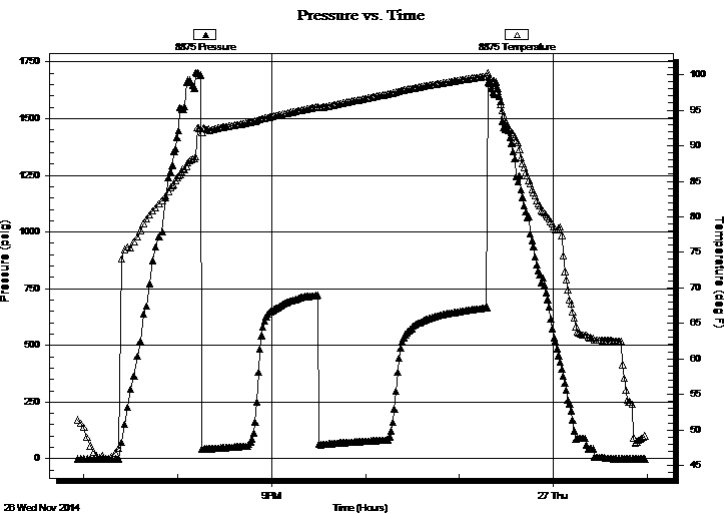
Last Calib.: 2014.11.27

Start Time: 18:56:00 End Time: 00:59:00

Time On Btm:

Time Off Btm:

TEST COMMENT: IFP 30 min BOB in 10 min.
ISI 45 min. No blow back
FFP 45 min BOB in 7 min.
FSI 60 min .Yes Blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Clean Gassy Oil 100%	0.28
121.00	GOCM Oil 10% Gas 20% Mud 70%	1.70
0.00	2714 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

K&N Petroleum

36-20s-12w Barton,KS

1105 Walnut
Great Bend KS 67530

Norman Klepper #1

Job Ticket: 60299

DST#: 3

ATTN: Kurt Talbolt

Test Start: 2014.11.26 @ 18:55:00

Tool Information

Drill Pipe:	Length: 3355.00 ft	Diameter: 3.80 inches	Volume: 47.06 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: 55000.00 lb
			<u>Total Volume: 47.06 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3367.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.49 ft			
Tool Length:	75.49 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			3352.00	
Hydraulic tool	5.00			3357.00	
Top Packer	5.00			3362.00	
Packer	5.00			3367.00	20.00 Bottom Of Top Packer
Anchor	6.00			3373.00	
Change Over Sub	0.75			3373.75	
Drill Pipe	31.99			3405.74	
Change Over Sub	0.75			3406.49	
Anchor	11.00			3417.49	
Recorder	0.00	6839	Inside	3417.49	
Recorder	0.00	8875	Outside	3417.49	
Bull Plug	5.00			3422.49	55.49 Anchor Tool

Total Tool Length: 75.49



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

K&N Petroleum

36-20s-12w Barton,KS

1105 Walnut
Great Bend KS 67530

Norman Klepper #1

Job Ticket: 60299

DST#: 3

ATTN: Kurt Talbolt

Test Start: 2014.11.26 @ 18:55:00

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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Clean Gassy Oil 100%	0.281
121.00	GOCM Oil 10% Gas 20% Mud 70%	1.697
0.00	2714 GIP	0.000

Total Length: 141.00 ft Total Volume: 1.978 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6839

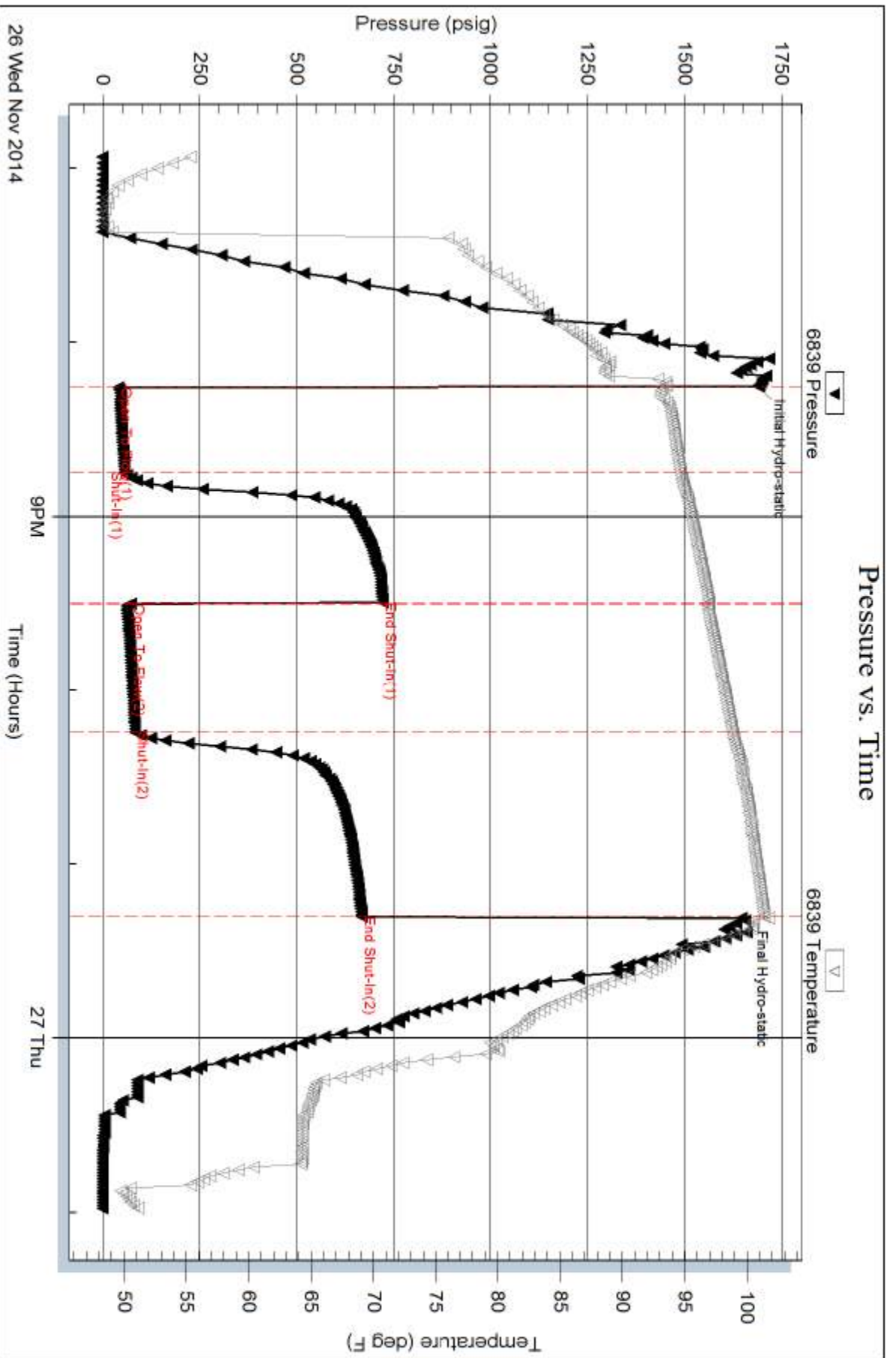
Inside

K&N Petroleum

Norman Klepper #1

DST Test Number: 3

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 60299

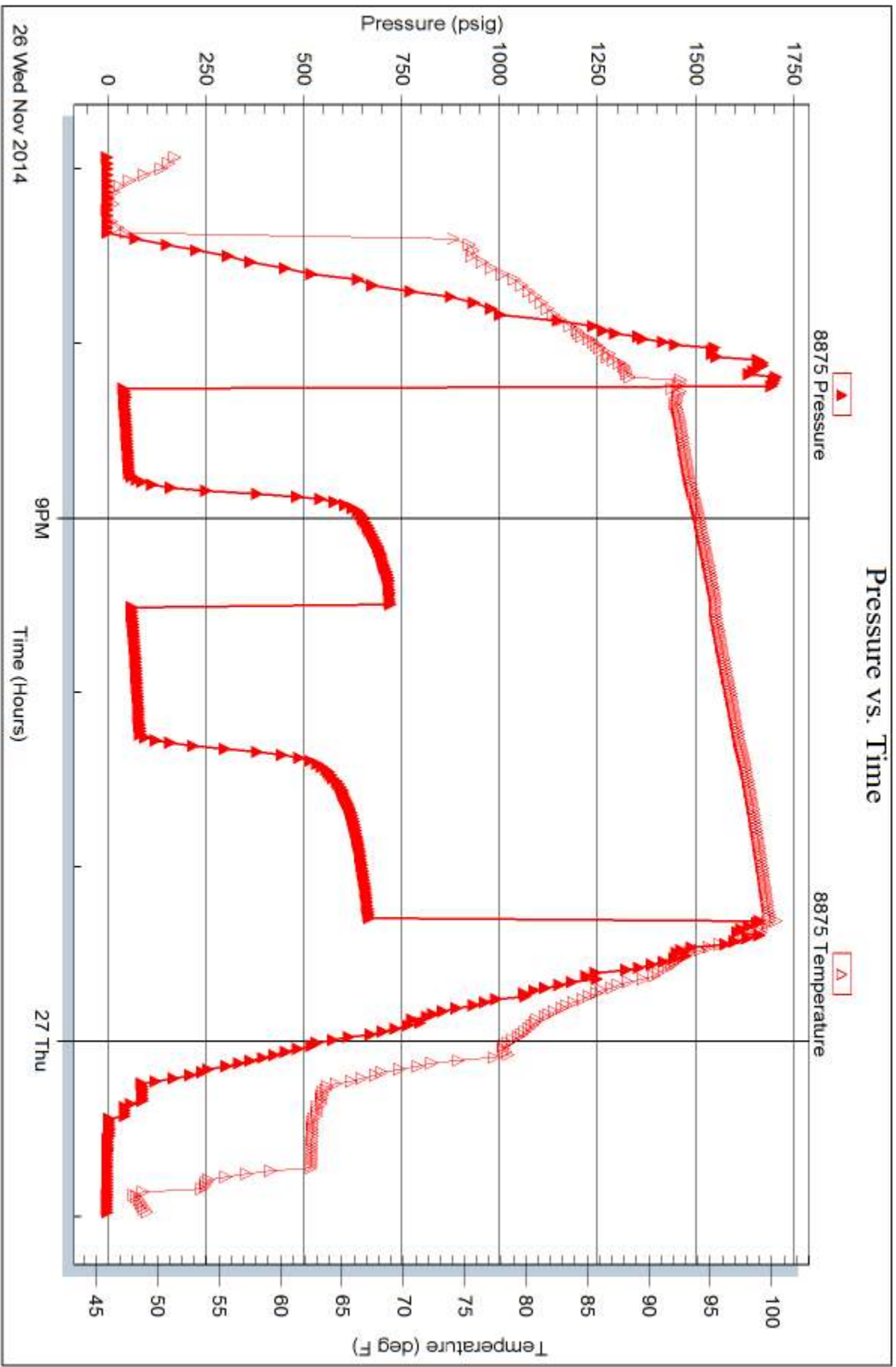
Printed: 2014.11.28 @ 15:27:41

Serial #: 8875

Outside K&N Petroleum

Norman Klepper #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 60299

Printed: 2014.11.28 @ 15:27:41



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60297

4/10

Well Name & No. Norman Klepper #1 Test No. 1 Date 11-25-14
 Company K+N Petroleum Elevation 1811 KB 1819 GL
 Address 1105 Walnut Great Bend KS 67530
 Co. Rep / Geo. Kurt Talbott Rig Southwind Rig #6
 Location: Sec. 36 Twp. 20s Rge. 12w Co. Barton State KS

Interval Tested 3147-3240 Zone Tested Lansing A-F
 Anchor Length 93 Drill Pipe Run 3138 Mud Wt. 8.9
 Top Packer Depth 3142 Drill Collars Run 0 Vis 63
 Bottom Packer Depth 3147 Wt. Pipe Run 48,200 WL 7.2
 Total Depth 3240 Chlorides 4000 ppm System LCM 1

Blow Description Initial open - ^{good} strong building blow built to ~~300~~ 9 inches.
Initial shut-in - 100 blow back.
Final Flow - Dead, very weak blow died off.
Final shut-in - 100 blow back.

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>mud</u>			<u>100</u>	

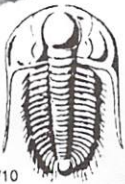
Rec Total 50 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1635 Test 1150 T-On Location 5:00am
 (B) First Initial Flow 89 Jars _____ T-Started 6:40am
 (C) First Final Flow 001 Safety Joint _____ T-Open 8:10am
 (D) Initial Shut-In 694 694 Circ Sub _____ T-Pulled 11:0am
 (E) Second Initial Flow 698 694 Hourly Standby _____ T-Out 12:25
 (F) Second Final Flow 422 699 Mileage 40 62 Comments _____
 (G) Final Shut-In 702 Sampler _____
 (H) Final Hydrostatic 1523 Straddle _____ Ruined Shale Packer _____

Initial Open 30 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 45 Extra Packer _____ Extra Copies _____
 Final Flow 30 Extra Recorder _____ Sub Total 0
 Final Shut-In 60 Day Standby _____ Total 1212.00
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1212

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. 60298

Well Name & No. Norman Klepper #1 Test No. 2 Date 11-26-14
 Company K+N Petroleum Elevation 1811 KB 1819 GL
 Address 1105 Walnut Great Bend KS 67530
 Co. Rep / Geo. Kurt Tabbolt Rig Southwind Drilling Rig 6
 Location: Sec. 36 Twp. 20s Rge. 12w Co. Barton State KS

Interval Tested 3293 - 3388 Zone Tested lower LLC
 Anchor Length 95 Drill Pipe Run 32.88 Mud Wt. 9.4
 Top Packer Depth 3288 Drill Collars Run 0 Vis 49
 Bottom Packer Depth 3293 Wt. Pipe Run 48000 WL 8
 Total Depth 3388 Chlorides 6000 ppm System LCM 1

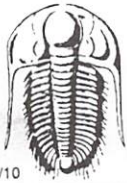
Blow Description initial open - Fair blow blew off BOB in 9 min,
initial shut in - No blow back
Final Flow - BOB in 5 min.
Final shut in - No blow back.

Rec	Feet of	%gas	%oil	%water	%mud
<u>140</u>	<u>Gassy oil cut mud 50</u>	<u>20</u>		<u>30</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 140 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1680 Test 1150 T-On Location 4:30 am
 (B) First Initial Flow 60 Jars _____ T-Started 5:08 am +
 (C) First Final Flow 77 Safety Joint _____ T-Open 6:27 am
 (D) Initial Shut-In 882 Circ Sub _____ T-Pulled 9:27 am
 (E) Second Initial Flow 80 Hourly Standby _____ T-Out _____
 (F) Second Final Flow 107 Mileage 40 62 Comments 252 gas in
 (G) Final Shut-In 787 Sampler _____ pipe
 (H) Final Hydrostatic 1625 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1212
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1212

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. 60299

4/10

Well Name & No. Norman Klepper #1 Test No. 3 Date 11-26-14
 Company K+O Petroleum Elevation 1811 KB 1814 GL
 Address 1105 Walnut Great Bend KS 6753
 Co. Rep / Geo. Kurt Talbott Rig Southwind Rig #6
 Location: Sec. 36 Twp. 26 Rge. 12w Co. Barton State Ks

Interval Tested 3367-3422 Zone Tested Arbuckle
 Anchor Length 55 Drill Pipe Run 5355 Mud Wt. 9.4
 Top Packer Depth 3362 Drill Collars Run 0 Vis 49
 Bottom Packer Depth 3367 Wt. Pipe Run 50,000 WL 8
 Total Depth 3422 Chlorides 6000 ppm System LCM 1

Blow Description Initial open BOB 10 min
Initial shut-in - No blow back
Final Flow - BOB in 7 min
Final Shut-in - ks blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Clean gassy oil</u>				
<u>121</u>	<u>Gassy oil cut mud 20</u>	<u>20</u>		<u>70</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total _____ BHT _____ Gravity 1150 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1690 Test _____ T-On Location 6:20 pm
 (B) First Initial Flow 40 Jars _____ T-Started 6:55 pm *
 (C) First Final Flow 55 Safety Joint _____ T-Open 9:14 p
 (D) Initial Shut-In 720 Circ Sub _____ T-Pulled 11:14 pm
 (E) Second Initial Flow 72 Hourly Standby _____ T-Out 2:14 gas in
 (F) Second Final Flow 82 Mileage 40 62 Comments pipe
 (G) Final Shut-In 666 Sampler _____
 (H) Final Hydrostatic 1616 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1212
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1212

Approved By _____ Our Representative Dustin Ellis

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