

1203079

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

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

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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> _____	PRODUCTION INTERVAL: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	Norstar Petroleum, Inc.
Well Name	Pfister-Kaufman 2-27
Doc ID	1203079

Tops

Name	Top	Datum
Anhydrite	694	+1094
Topeka	2558	-770
Heebner	2835	-1047
Toronto	2852	-1064
Lansing	2934	-1146
BKC	3180	-1392
Arbuckle	n/a	n/a
Granite	3188	-1400

ALLIED OIL & GAS SERVICES, LLC 055223

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell KS

DATE <u>4-18-14</u>	SEC <u>27</u>	TWP. <u>15</u>	RANGE <u>12</u>	CALLED OUT	ON LOCATION	JOB START <u>10:00 PM</u>	JOB FINISH <u>10:30 PM</u>
LEASE				WELL# <u>2-27</u>	LOCATION <u>Russell 165 115 10E</u>	COUNTY <u>Russell</u>	STATE <u>KJ</u>
OLD OR NEW (Circle one)				<u>New</u>			

CONTRACTOR Royal #2

OWNER

TYPE OF JOB surf. acc

HOLE SIZE 12 1/4 T.D. 221

CEMENT

CASING SIZE 8 5/8 23' DEPTH 221

AMOUNT ORDERED 150 com 32cc 29 gal

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 15

COMMON 150 @ 17.90 2685.00

CEMENT LEFT IN CSG. 15

POZMIX @

PERFS.

GEL 300^{cc} @ .24 72.00

DISPLACEMENT 13661

CHLORIDE 400^{cc} @ .80 320.00

ASC @

EQUIPMENT

@

@

@

@ 3097.00

@ 216^{cc} Discount @ 6.54

@

@

@

HANDLING 162.09 @ 2.48 401.98

MILEAGE 148 @ 2.60 384.80

TOTAL 3863.78

REMARKS:

see log

SERVICE

plug down @ 9:30 pm

cement did circulate to surface

Thank you!!!

DEPTH OF JOB 221

PUMP TRUCK CHARGE 1512.25

EXTRA FOOTAGE @

MILEAGE 20 @ 4.40 88.00

MANIFOLD @

40 @ 7.70 308.00

@

2695.03

20% Disc. 539.00 TOTAL 1908.25

CHARGE TO: Norstar Petroleum Inc

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

SALES TAX (If Any)

TOTAL CHARGES 5772.03

DISCOUNT 1154.41 20% IF PAID IN 30 DAYS

net \$ 4617.62

PRINTED NAME Tom Blake

SIGNATURE Tom Blake

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

ALLIED OIL & GAS SERVICES, LLC 062894

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Crapped

DATE <u>4-24-14</u>	SEC <u>27</u>	TWP <u>15</u>	RANGE <u>12</u>	CALLED OUT	ON LOCATION <u>8:00 AM</u>	JOB START <u>9 AM</u>	JOB FINISH <u>10:00 AM</u>
LEASE <u>Quinn</u>		WELL # <u>227</u>	LOCATION <u>281 N to Michells rd</u>		COUNTY <u>Russell</u>	STATE <u>TX</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>12 feet into</u>				

CONTRACTOR Foyal Z

TYPE OF JOB Rotary Plug

HOLE SIZE 1 7/8 T.D.

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 700'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. Ali

PERFS. _____

DISPLACEMENT Freshwater

EQUIPMENT _____

PUMP TRUCK CEMENTER Josh Deac

388 HELPER Ben Noland

BULK TRUCK _____

544-197 DRIVER Marilyn Springfield

BULK TRUCK _____

_____ DRIVER _____

OWNER _____

CEMENT 200

AMOUNT ORDERED 200 SKS 60/40 4 1/2 gal

1/4 Flo

COMMON	<u>120</u>	@ <u>17.90</u>	<u>2,148.00</u>
POZMIX	<u>80</u>	@ <u>9.35</u>	<u>748.00</u>
GEL	<u>7</u>	@ <u>23.40</u>	<u>163.80</u>
CHLORIDE		@ _____	
ASC		@ _____	<u>3,060.30</u>
		@ <u>20%</u>	<u>612.06</u>
		@ _____	
		@ _____	
		@ _____	
		@ _____	
		@ _____	
		@ _____	
HANDLING	<u>211.66</u>	@ <u>2.48</u>	<u>524.92</u>
MILEAGE	<u>8.95 X 35 X</u>	@ <u>2.60</u>	<u>814.45</u>

REMARKS:

On location - Rig up - had surface casing
run 4 1/2 drill pipe flow hole w/ cement
#1 - 700' - 25 SKS
#2 - 380 - 80 PM - 30 SKS
#3 - 270 - 40 MH - 15
#4 - 40 - 10
plug down 10 AM
Rig down

CHARGE TO: Norstar Petroleum

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE 2,258.75

EXTRA FOOTAGE @ _____

MILEAGE Hum 35 @ 7.70 269.50

MANIFOLD @ _____

Hum 35 @ 4.40 154.00

TOTAL 3,921.61

20% (784.32

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME X Tom Blake

SIGNATURE Tom Blake

Thank you!!

SALES TAX (If Any) _____

TOTAL CHARGES 6,981.91

20% 1,396.38

DISCOUNT 5,585.53 IF PAID IN 30 DAYS



DRILL STEM TEST REPORT

Prepared For: **Norstar Petroleum Corp.**

88 Inverness Circle East
Unit F-104
Englewood CO 80112

ATTN: Randy Kilian

27-15-12w Russell KS

Pfister-Kaufman #2-27

Start Date: 2014.04.22 @ 08:45:38

End Date: 2014.04.22 @ 14:29:38

Job Ticket #: 54202 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.04.25 @ 10:13:21

Norstar Petroleum Corp.

Pfister-Kaufman #2-27

27-15-12w Russell KS

DST # 1

Plattsmouth - Toronto

2014.04.22



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Norstar Petroleum Corp.
 88 Inverness Circle East
 Unit F-104
 Englewood CO 80112
 ATTN: Randy Kilian

Pfister-Kaufman #2-27
27-15-12w Russell KS
 Job Ticket: 54202 **DST#: 1**
 Test Start: 2014.04.22 @ 08:45:38

GENERAL INFORMATION:

Formation: **Plattsmouth - Toront**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:57:53

Time Test Ended: 14:29:38

Interval: **2778.00 ft (KB) To 2875.00 ft (KB) (TVD)**

Total Depth: 2875.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 56

Reference Elevations: 1788.00 ft (KB)

1781.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8352 Outside

Press@RunDepth: 29.74 psig @ 2779.00 ft (KB)

Start Date: 2014.04.22 End Date: 2014.04.22

Start Time: 08:45:43 End Time: 14:29:37

Capacity: 8000.00 psig

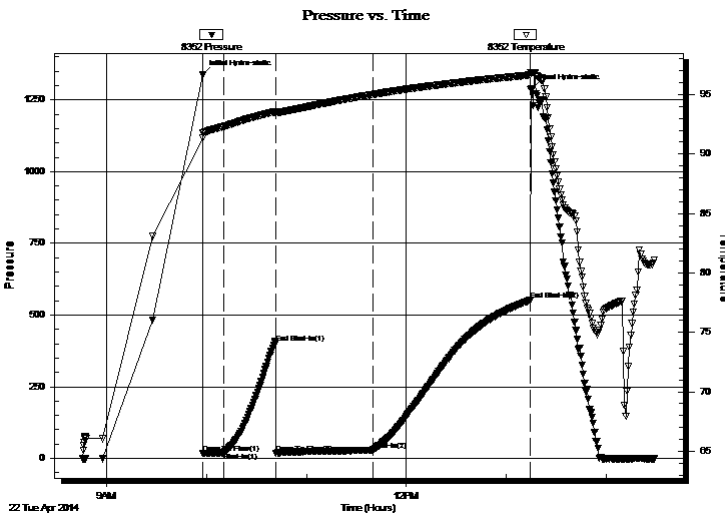
Last Calib.: 2014.04.22

Time On Btm: 2014.04.22 @ 09:57:38

Time Off Btm: 2014.04.22 @ 13:15:23

TEST COMMENT: IF:Weak blow . 1 - 3 1/2".
 IS:No blow .
 FF:Weak to fair blow . Increase to 7".
 FS:No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1336.95	91.33	Initial Hydro-static
1	16.98	91.80	Open To Flow (1)
13	20.88	92.31	Shut-In(1)
44	401.41	93.57	End Shut-In(1)
44	17.42	93.43	Open To Flow (2)
103	29.74	95.00	Shut-In(2)
197	550.85	96.64	End Shut-In(2)
198	1290.17	96.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	95' GIP	0.00
30.00	SOCM 4%o 96%m	0.42

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Norstar Petroleum Corp.
 88 Inverness Circle East
 Unit F-104
 Englewood CO 80112
 ATTN: Randy Kilian

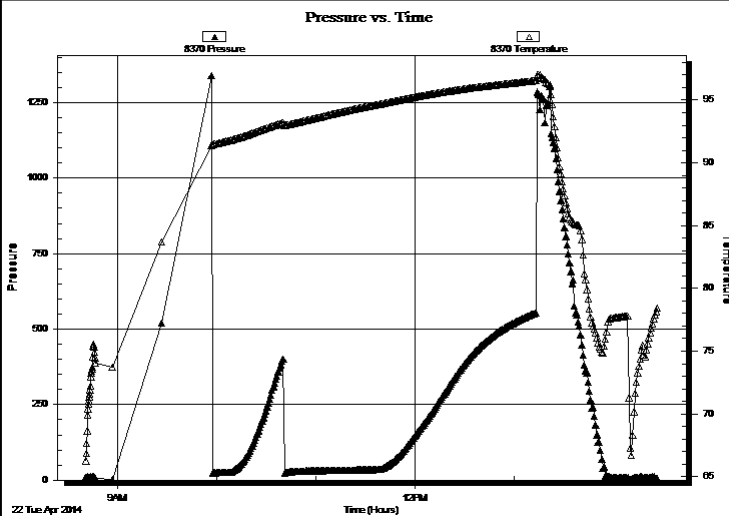
Pfister-Kaufman #2-27
27-15-12w Russell KS
 Job Ticket: 54202 **DST#: 1**
 Test Start: 2014.04.22 @ 08:45:38

GENERAL INFORMATION:

Formation: **Plattsmouth - Toront**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:57:53
 Time Test Ended: 14:29:38
 Interval: **2778.00 ft (KB) To 2875.00 ft (KB) (TVD)**
 Total Depth: 2875.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gary Pevoteaux
 Unit No: 56
 Reference Elevations: 1788.00 ft (KB)
 1781.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8370 Inside
 Press@RunDepth: psig @ 2779.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.04.22 End Date: 2014.04.22 Last Calib.: 2014.04.22
 Start Time: 08:40:58 End Time: 14:26:52 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF:Weak blow . 1 - 3 1/2".
 IS:No blow .
 FF:Weak to fair blow . Increase to 7".
 FS:No blow .



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	95' GIP	0.00
30.00	SOCM 4%o 96%m	0.42

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Norstar Petroleum Corp.
88 Inverness Circle East
Unit F-104
Englewood CO 80112
ATTN: Randy Kilian

Pfister-Kaufman #2-27
27-15-12w Russell KS
Job Ticket: 54202 **DST#: 1**
Test Start: 2014.04.22 @ 08:45:38

Tool Information

Drill Pipe:	Length: 2762.00 ft	Diameter: 3.80 inches	Volume: 38.74 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 53000.00 lb
			<u>Total Volume: 38.74 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	2778.00 ft			Final 40500.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	97.00 ft			
Tool Length:	120.00 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			2756.00	
Shut In Tool	5.00			2761.00	
Hydraulic tool	5.00			2766.00	
Safety Joint	3.00			2769.00	
Packer	4.00			2773.00	23.00 Bottom Of Top Packer
Packer	5.00			2778.00	
Stubb	1.00			2779.00	
Recorder	0.00	8352	Outside	2779.00	
Recorder	0.00	8370	Inside	2779.00	
Perforations	6.00			2785.00	
Blank Spacing	64.00			2849.00	
Perforations	21.00			2870.00	
Bullnose	5.00			2875.00	97.00 Bottom Packers & Anchor

Total Tool Length: 120.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Norstar Petroleum Corp.
88 Inverness Circle East
Unit F-104
Englewood CO 80112
ATTN: Randy Kilian

Pfister-Kaufman #2-27
27-15-12w Russell KS
Job Ticket: 54202 **DST#: 1**
Test Start: 2014.04.22 @ 08:45:38

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:	5500 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5500.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	95' GIP	0.000
30.00	SOCM 4%o 96%m	0.421

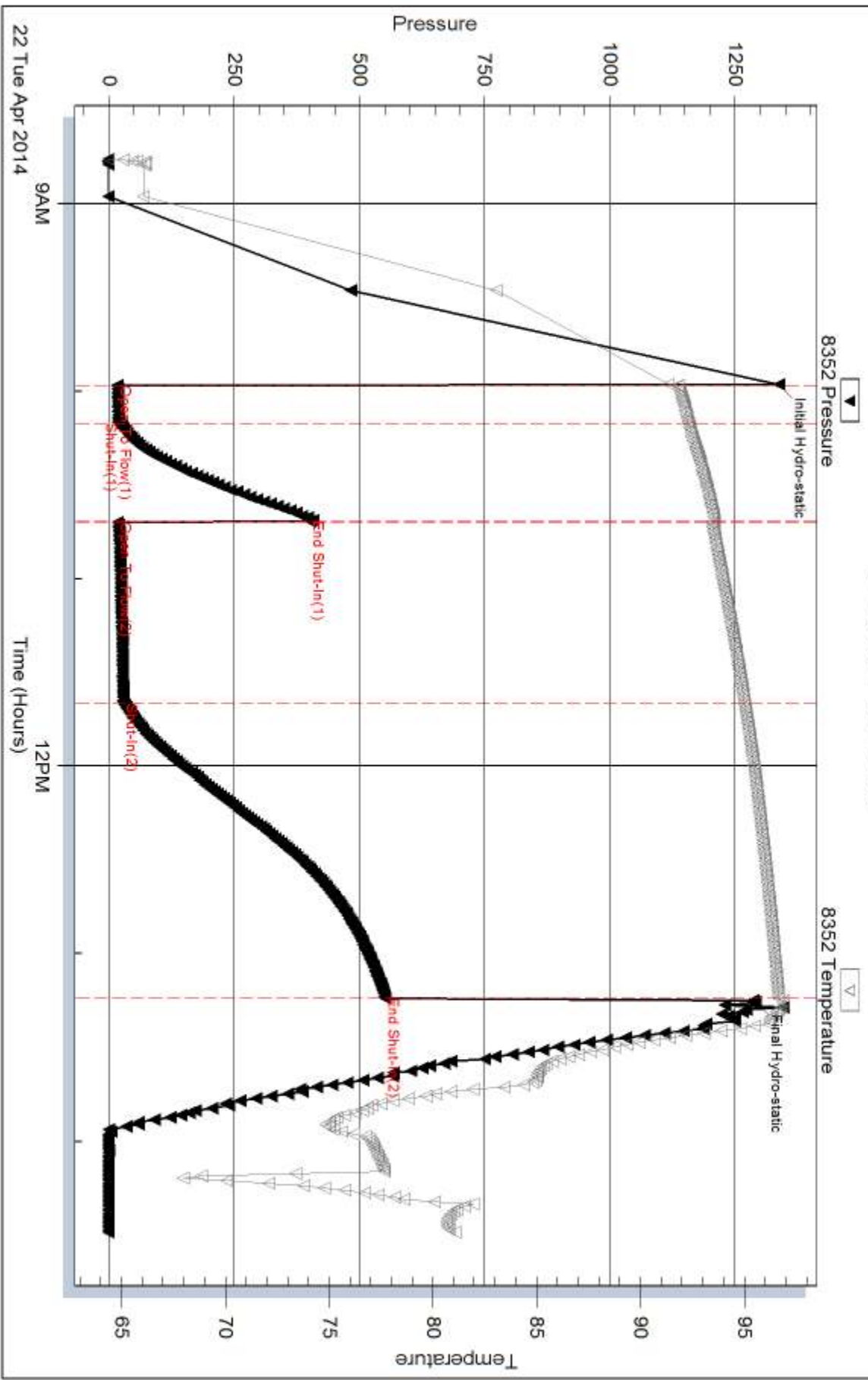
Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time



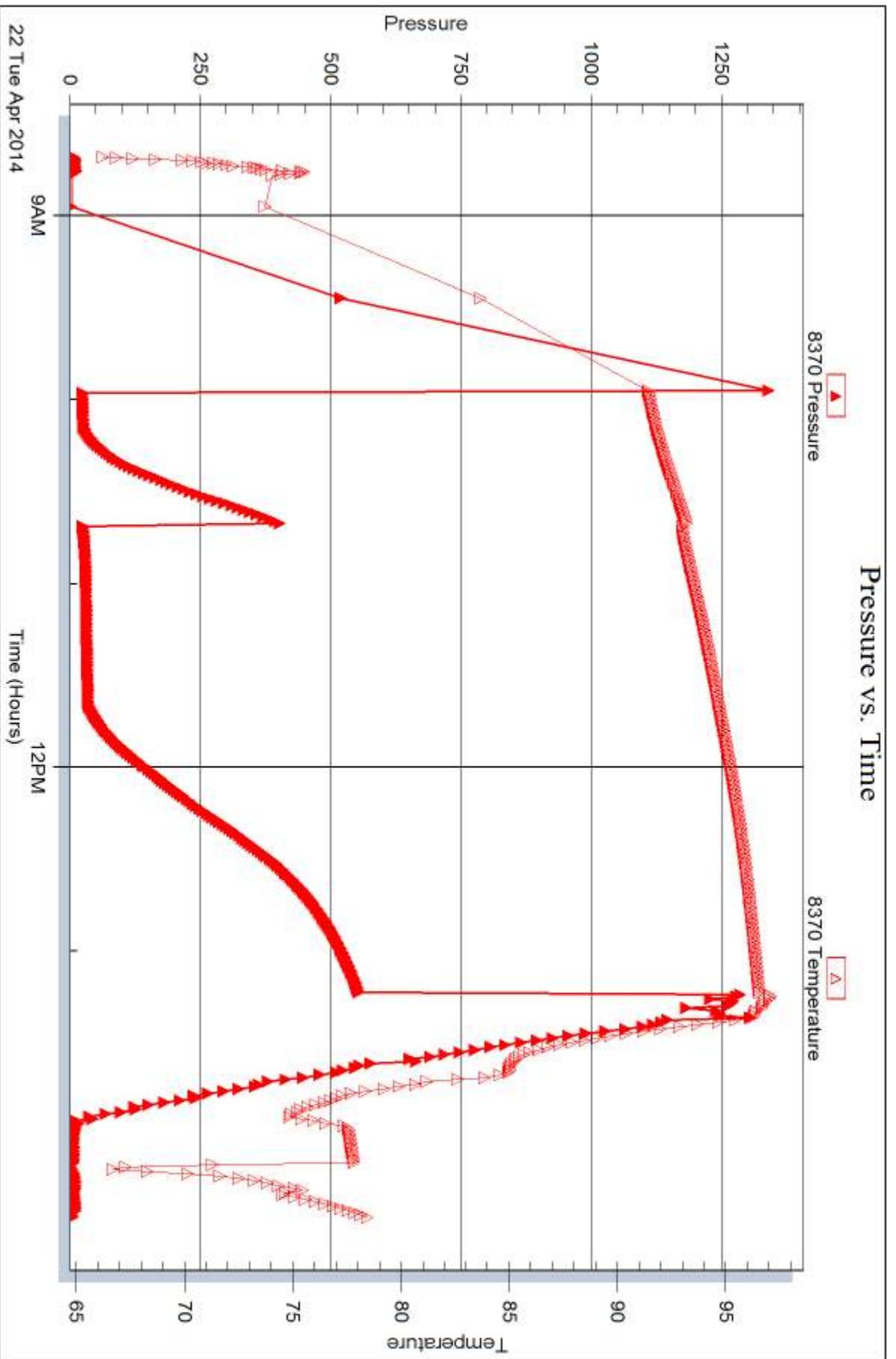
Serial #: 8370

Inside

Norstar Petroleum Corp.

27-15-12w Russell KS

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 54202

Printed: 2014.04.25 @ 10:13:22



DRILL STEM TEST REPORT

Prepared For: **Norstar Petroleum Corp.**

88 Inverness Circle East
Unit F-104
Englewood CO 80112

ATTN: Randy Kilian

27-15-12w Russell KS

Pfister-Kaufman #2-27

Start Date: 2014.04.23 @ 09:26:06

End Date: 2014.04.23 @ 14:29:51

Job Ticket #: 54203 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.04.25 @ 10:11:45



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Norstar Petroleum Corp.
 88 Inverness Circle East
 Unit F-104
 Englewood CO 80112
 ATTN: Randy Kilian

Pfister-Kaufman #2-27
27-15-12w Russell KS
 Job Ticket: 54203 **DST#: 2**
 Test Start: 2014.04.23 @ 09:26:06

GENERAL INFORMATION:

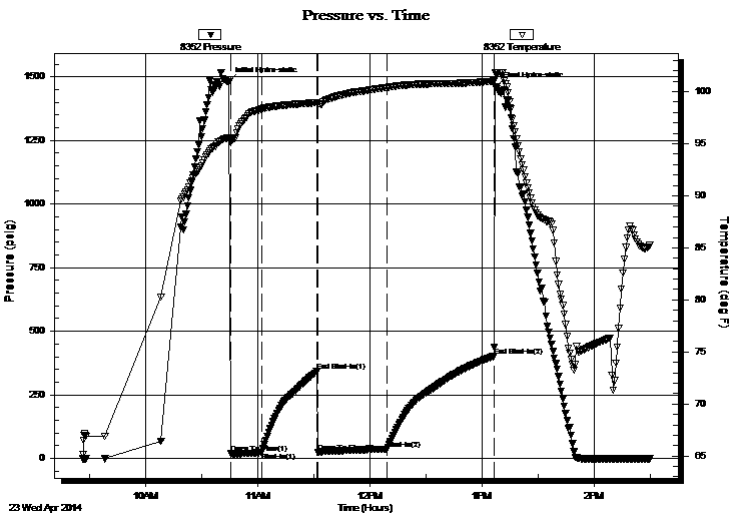
Formation: **LKC H - J**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 10:45:21
 Tester: Gary Pevoteaux
 Time Test Ended: 14:29:51
 Unit No: 56
 Interval: **3050.00 ft (KB) To 3132.00 ft (KB) (TVD)**
 Reference Elevations: 1788.00 ft (KB)
 Total Depth: 3132.00 ft (KB) (TVD)
 1781.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 7.00 ft

Serial #: 8352 Outside

Press@RunDepth: 37.43 psig @ 3051.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.04.23 End Date: 2014.04.23 Last Calib.: 2014.04.23
 Start Time: 09:26:11 End Time: 14:29:50 Time On Btm: 2014.04.23 @ 10:44:36
 Time Off Btm: 2014.04.23 @ 13:07:51

TEST COMMENT: IF: Strong blow . B.O.B. in 4 mins.
 IS: No blow .
 FF: Strong blow . B.O.B. in 30 secs.
 FS: Weak blow . 1/4"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1480.38	95.57	Initial Hydro-static
1	18.50	95.08	Open To Flow (1)
18	23.62	98.31	Shut-In(1)
47	342.17	98.94	End Shut-In(1)
48	23.31	98.82	Open To Flow (2)
85	37.43	100.40	Shut-In(2)
142	401.77	100.99	End Shut-In(2)
144	1461.47	101.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1190' GIP	0.00
55.00	Mud with oil specs	0.77

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Norstar Petroleum Corp.
88 Inverness Circle East
Unit F-104
Englewood CO 80112
ATTN: Randy Kilian

Pfister-Kaufman #2-27
27-15-12w Russell KS
Job Ticket: 54203 **DST#: 2**
Test Start: 2014.04.23 @ 09:26:06

Tool Information

Drill Pipe:	Length: 3043.00 ft	Diameter: 3.80 inches	Volume: 42.69 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 51000.00 lb
			<u>Total Volume: 42.69 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3050.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	82.00 ft			
Tool Length:	102.00 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			3031.00	
Shut In Tool	5.00			3036.00	
Hydraulic tool	5.00			3041.00	
Packer	4.00			3045.00	20.00 Bottom Of Top Packer
Packer	5.00			3050.00	
Stubb	1.00			3051.00	
Recorder	0.00	8352	Outside	3051.00	
Recorder	0.00	8370	Inside	3051.00	
Perforations	6.00			3057.00	
Blank Spacing	64.00			3121.00	
Perforations	6.00			3127.00	
Bullnose	5.00			3132.00	82.00 Bottom Packers & Anchor

Total Tool Length: 102.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Norstar Petroleum Corp.
88 Inverness Circle East
Unit F-104
Englewood CO 80112
ATTN: Randy Kilian

Pfister-Kaufman #2-27
27-15-12w Russell KS
Job Ticket: 54203 **DST#: 2**
Test Start: 2014.04.23 @ 09:26:06

Mud and Cushion Information

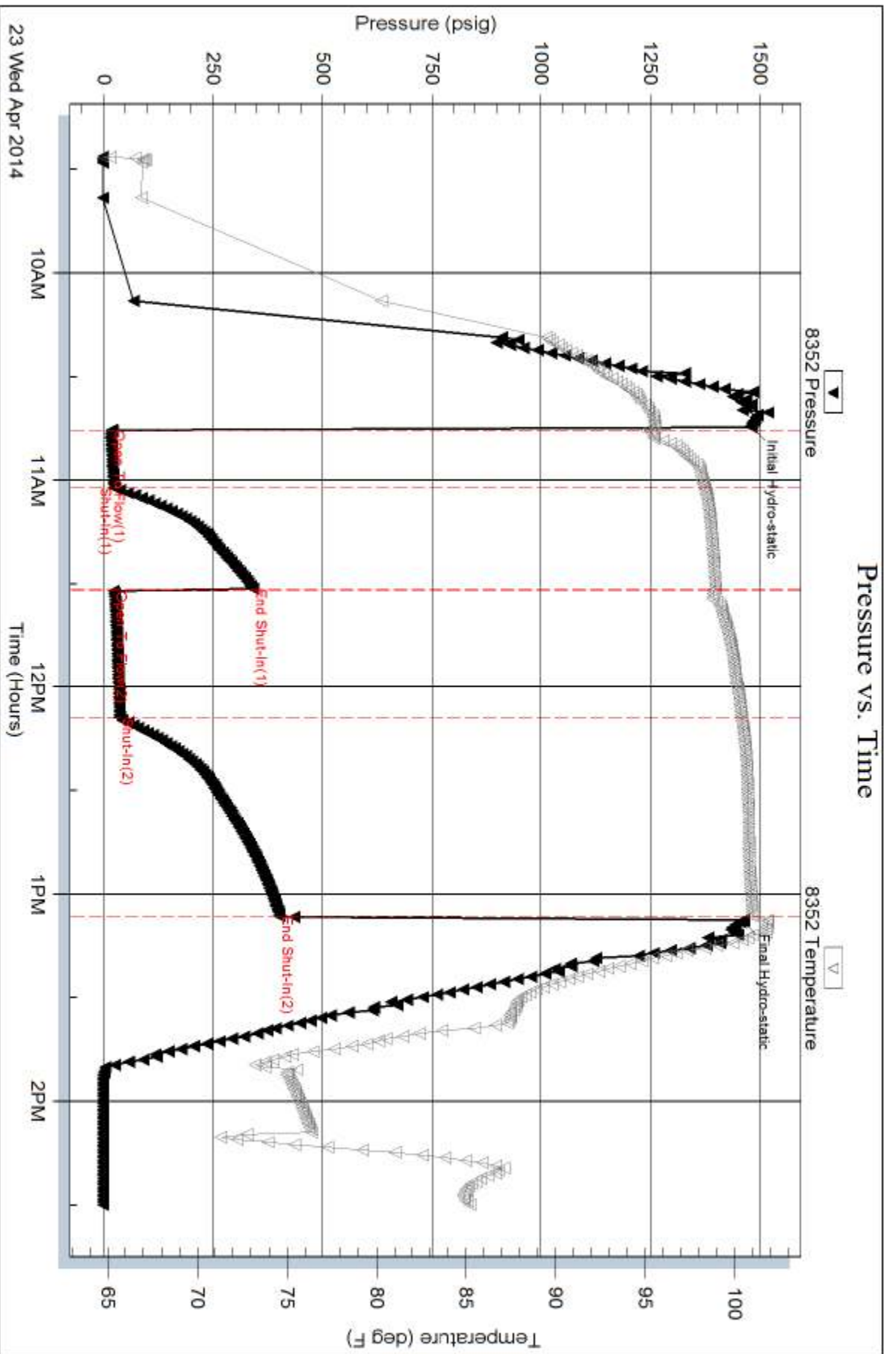
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	7600 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 7600.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1190' GIP	0.000
55.00	Mud with oil specs	0.772

Total Length: 55.00 ft Total Volume: 0.772 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:



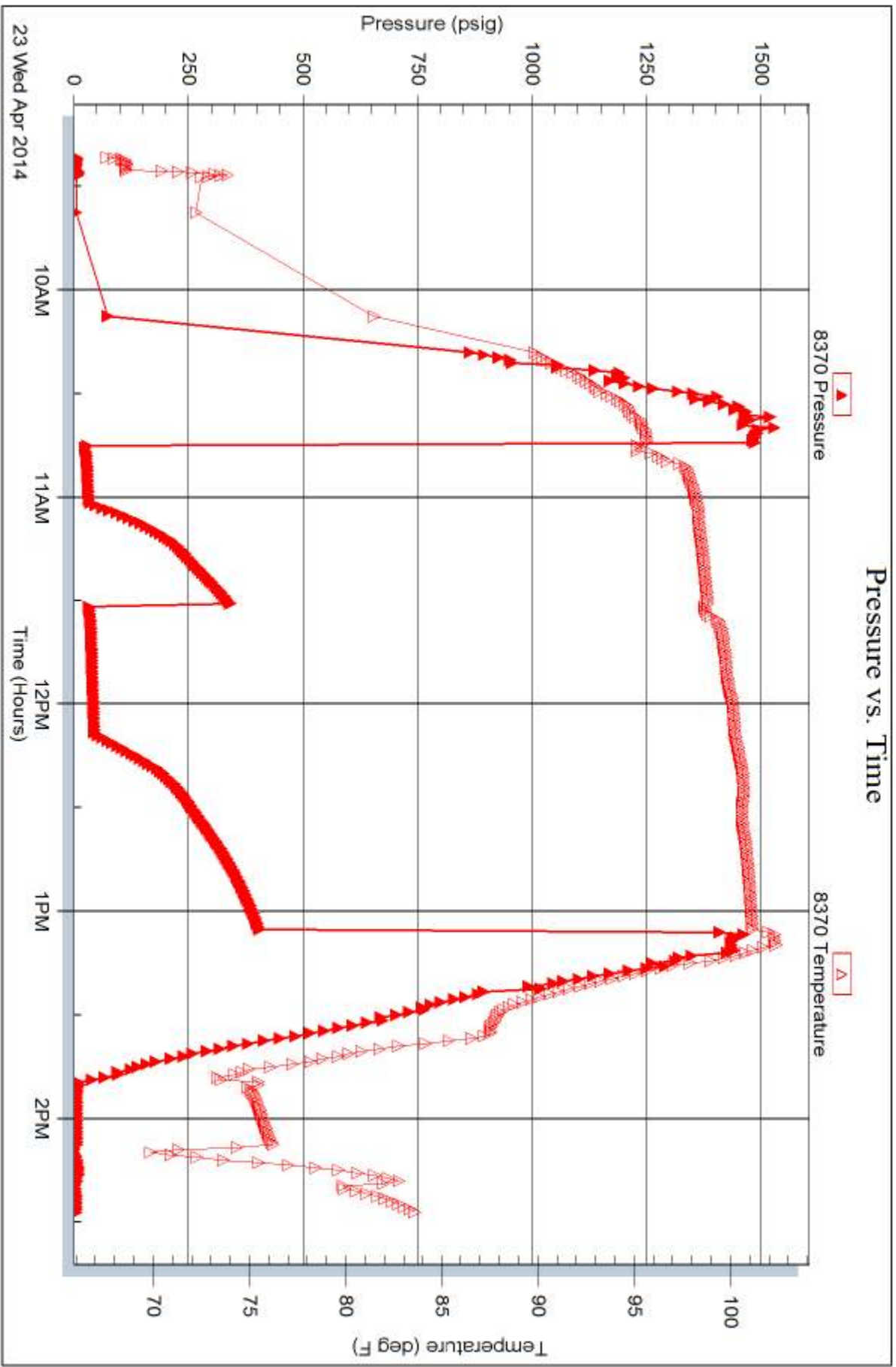
Serial #: 8370

Inside

Norstar Petroleum Corp.

27-15-12w Russell KS

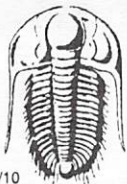
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 54203

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54202

Well Name & No. PFISTER-KAUFMAN #2-27 Test No. 1 Date 4-22-14
 Company NORSTAR PETROLEUM CORP. Elevation 1788 KB 1781 GL
 Address 88 INVERNESS GER. E. UNIT F104, ENGLEWOOD CO. 80112
 Co. Rep / Geo. RANDY KIRZAN Rig ROYAL DRUG #2
 Location: Sec. 27 Twp. 15S Rge. 12W Co. RUSSELL State KS.

Interval Tested 2778 - 2875' Zone Tested PLATTSMOUTH / TORONTO
 Anchor Length 97' Drill Pipe Run 2762' Mud Wt. 9.0
 Top Packer Depth 2773' Drill Collars Run 0 Vis 52
 Bottom Packer Depth 2778' Wt. Pipe Run 0 WL 7.2cc
 Total Depth 2875' Chlorides 5500 ppm System LCM 1/2
 Blow Description IF: Weak blow. 1-3 1/2". ISI: No blow.

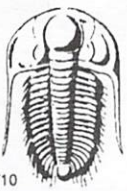
FF: Weak to fair blow. Increase to 7". FSI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>95</u>	<u>Gas in pipe</u>				
<u>30</u>	<u>SOCM</u>		<u>4</u>		<u>96</u>

Rec Total 30 BHT 97° Gravity N/A API RW N.C. @ ~ °F Chlorides 5500 ppm
 (A) Initial Hydrostatic 1337 Test 1150 T-On Location 0755
 (B) First Initial Flow 17 Jars _____ T-Started 0845
 (C) First Final Flow 21 Safety Joint 75 T-Open 0957
 (D) Initial Shut-In 401 Circ Sub _____ T-Pulled 1311
 (E) Second Initial Flow 17 Hourly Standby _____ T-Out 1429
 (F) Second Final Flow 30 Mileage 144 90rt 139.50 Comments _____
 (G) Final Shut-In 551 Sampler _____
 (H) Final Hydrostatic 1290 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 15 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1364.50
 Final Flow 60 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 90 Sub Total 1364.50

Approved By _____ Our Representative Cory Kutzan

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.



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1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54203

Well Name & No. PEISTER - KAUFMAN #2-27 Test No. 2 Date 4-23-14
 Company NORSTAR PETROLEUM CORP. Elevation 1788 KB 1781 GL
 Address 88 INVERNESS CIR. E. UNIT F-104, ENGLEWOOD CO. 80112
 Co. Rep / Geo. RANDY KILIAN Rig ROYAL DRILL #2
 Location: Sec. 27 Twp. 15S Rge. 12W Co. RUSSELL State KS.

Interval Tested 3050 - 3132' Zone Tested LKC H-5
 Anchor Length 82' Drill Pipe Run 3043' Mud Wt. 9.2
 Top Packer Depth 3045' Drill Collars Run 0 Vis 58
 Bottom Packer Depth 3050' Wt. Pipe Run 0 WL 8.8
 Total Depth 3132' Chlorides 7,600 ppm System LCM 1/2#
 Blow Description IF: Strong blow. B.O.B. in 4 mins. ISI. No blow.

FF: Strong blow. B.O.B. in 30 secs. FSI. Weak blow. 1/4".

Rec	Feet of	%gas	%oil	%water	%mud
<u>1190</u>	<u>Gas in pipe</u>				
<u>55</u>	<u>Mud w/ oil spec.</u>				

Rec Total SS Fluid BHT 101° Gravity N/A API RW N.C. @ ~ °F Chlorides 7600 ppm

(A) Initial Hydrostatic <u>1480</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>0907</u>
(B) First Initial Flow <u>19</u>	<input type="checkbox"/> Jars	T-Started <u>0926</u>
(C) First Final Flow <u>24</u>	<input type="checkbox"/> Safety Joint	T-Open <u>1045</u>
(D) Initial Shut-In <u>342</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1307</u>
(E) Second Initial Flow <u>23</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1429</u>
(F) Second Final Flow <u>37</u>	<input checked="" type="checkbox"/> Mileage <u>64</u> x 2 <u>279</u> ^{GT BEND} _{APT.}	Comments <u>STAYED 2 NITES</u>
(G) Final Shut-In <u>402</u>	<input type="checkbox"/> Sampler	<u>GT. BEND APT.</u>
(H) Final Hydrostatic <u>1461</u>	<input type="checkbox"/> Straddle <u>EXTRA TRIP</u> <u>TO LOAD TOOLS</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>35</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1429</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1429</u>	

Approved By _____ Our Representative Craig Potvin

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