



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Kevin Timson

Neeley FLB 1-33

33-23s-32w Finney,KS

Start Date: 2014.09.23 @ 19:15:15

End Date: 2014.09.24 @ 04:12:15

Job Ticket #: 59081 DST #: 1

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

Printed: 2014.09.26 @ 14:41:12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

33-23s-32w Finney,KS
Neeley FLB 1-33
Job Ticket: 59081 **DST#: 1**
Test Start: 2014.09.23 @ 19:15:15

GENERAL INFORMATION:

Formation: **Miss - St. Loius**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:06:15
Time Test Ended: 04:12:15
Interval: **4770.00 ft (KB) To 4809.00 ft (KB) (TVD)**
Total Depth: 4809.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Shane McBride
Unit No: 55
Reference Elevations: 2851.00 ft (KB)
2840.00 ft (CF)
KB to GR/CF: 11.00 ft

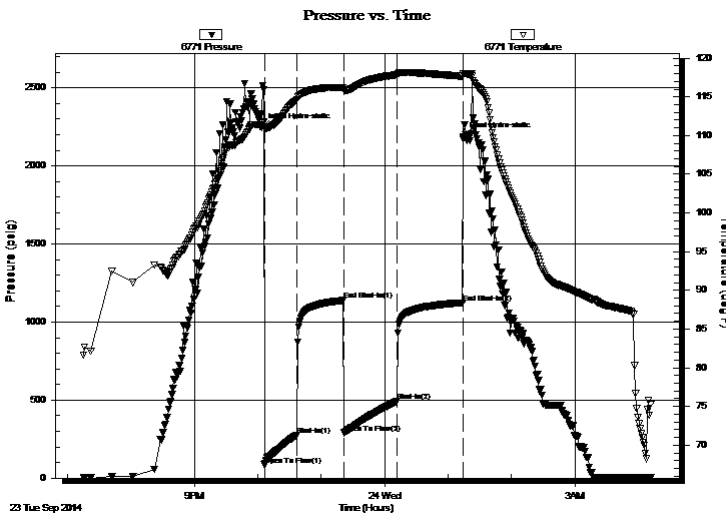
Serial #: 6771

Inside

Press@RunDepth: 493.63 psig @ 4771.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.09.23 End Date: 2014.09.24 Last Calib.: 2014.09.24
Start Time: 19:15:15 End Time: 04:12:15 Time On Btm: 2014.09.23 @ 22:03:30
Time Off Btm: 2014.09.24 @ 01:14:30

TEST COMMENT: BOB in 7 Min.
No Return
BOB in 10 Min.
No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2245.86	111.38	Initial Hydro-static
3	84.83	110.99	Open To Flow (1)
34	277.25	114.68	Shut-In(1)
78	1138.48	116.22	End Shut-In(1)
78	290.50	115.92	Open To Flow (2)
129	493.63	117.86	Shut-In(2)
191	1122.45	117.67	End Shut-In(2)
191	2185.92	118.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
465.00	Water w / oil scum 100% w	4.87
93.00	s m c w 15% m 85% w	1.30
93.00	m c w w / oil scum 50% m 50% w	1.30
93.00	o c m w 30% o 35% m 35% w	1.30
93.00	s m & w c o 10% m 20% w 70% o	1.30
93.00	100% o	1.30

Gas Rates

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



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 Job Ticket: 59081 **DST#: 1**
 Test Start: 2014.09.23 @ 19:15:15

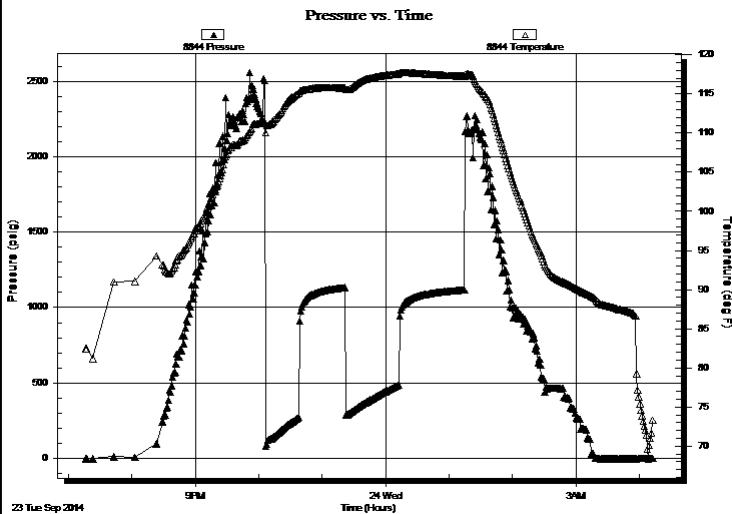
GENERAL INFORMATION:

Formation: **Miss - St. Louis**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 22:06:15 Tester: Shane McBride
 Time Test Ended: 04:12:15 Unit No: 55
Interval: 4770.00 ft (KB) To 4809.00 ft (KB) (TVD)
 Total Depth: 4809.00 ft (KB) (TVD) Reference Elevations: 2851.00 ft (KB)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 2840.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8844 Outside

Press@RunDepth: psig @ 4771.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.09.23 End Date: 2014.09.24 Last Calib.: 2014.09.24
 Start Time: 19:16:08 End Time: 04:12:53 Time On Btm:
 Time Off Btm:

TEST COMMENT: BOB in 7 Min.
 No Return
 BOB in 10 Min.
 No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
465.00	Water w / oil scum 100% w	4.87
93.00	s m c w 15% m 85% w	1.30
93.00	m c w w / oil scum 50% m 50% w	1.30
93.00	o c m w 30% o 35% m 35% w	1.30
93.00	s m & w c o 10% m 20% w 70% o	1.30
93.00	100% o	1.30

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

33-23s-32w Finney,KS
Neeley FLB 1-33
Job Ticket: 59081 **DST#: 1**
Test Start: 2014.09.23 @ 19:15:15

Tool Information

Drill Pipe:	Length: 4582.00 ft	Diameter: 3.80 inches	Volume: 64.27 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 181.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume: 65.16 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	75000.00 lb
Depth to Top Packer:	4770.00 ft			Final	85000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	39.00 ft				
Tool Length:	67.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4743.00	
Shut In Tool	5.00			4748.00	
Hydraulic tool	5.00			4753.00	
Jars	5.00			4758.00	
Safety Joint	3.00			4761.00	
Packer	5.00			4766.00	28.00 Bottom Of Top Packer
Packer	4.00			4770.00	
Stubb	1.00			4771.00	
Recorder	0.00	6771	Inside	4771.00	
Recorder	0.00	8844	Outside	4771.00	
Perforations	33.00			4804.00	
Bullnose	5.00			4809.00	39.00 Bottom Packers & Anchor

Total Tool Length: 67.00



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FLUID SUMMARY

American Warrior Inc
PO Box 399
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ATTN: Kevin Timson

33-23s-32w Finney,KS
Neeley FLB 1-33
Job Ticket: 59081 **DST#: 1**
Test Start: 2014.09.23 @ 19:15:15

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 30 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 49000 ppm
Viscosity: 73.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.98 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 1600.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
465.00	Water w / oil scum 100% w	4.874
93.00	s m c w 15% m 85% w	1.305
93.00	m c w w / oil scum 50% m 50% w	1.305
93.00	o c m w 30% o 35% m 35% w	1.305
93.00	s m & w c o 10% m 20% w 70% o	1.305
93.00	100% o	1.305

Total Length: 930.00 ft Total Volume: 6.221 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW .148 @ 70*f= 49000 chlor

Serial #: 6771

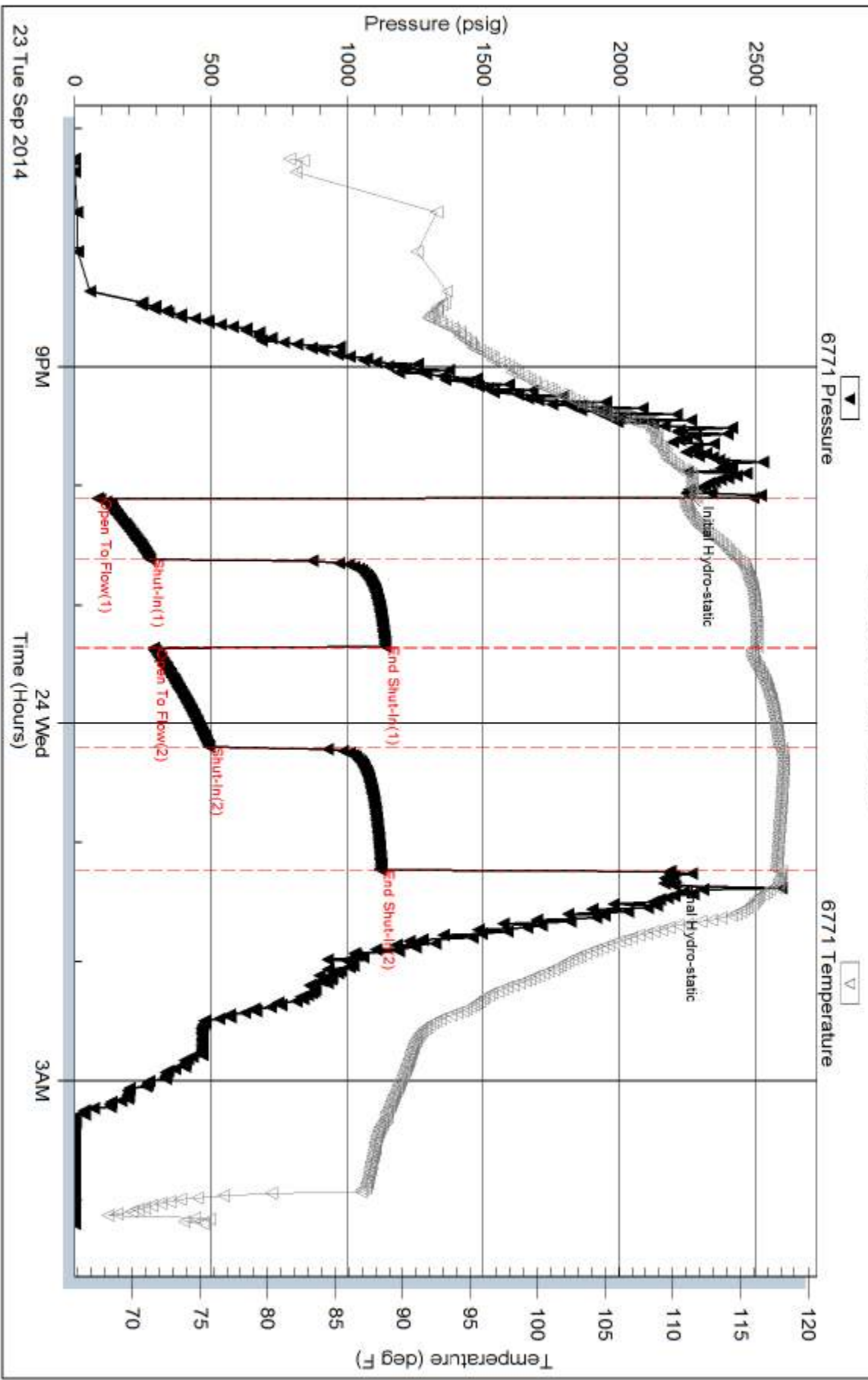
Inside

American Warrior Inc

Neeley FLB 1-33

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 59081

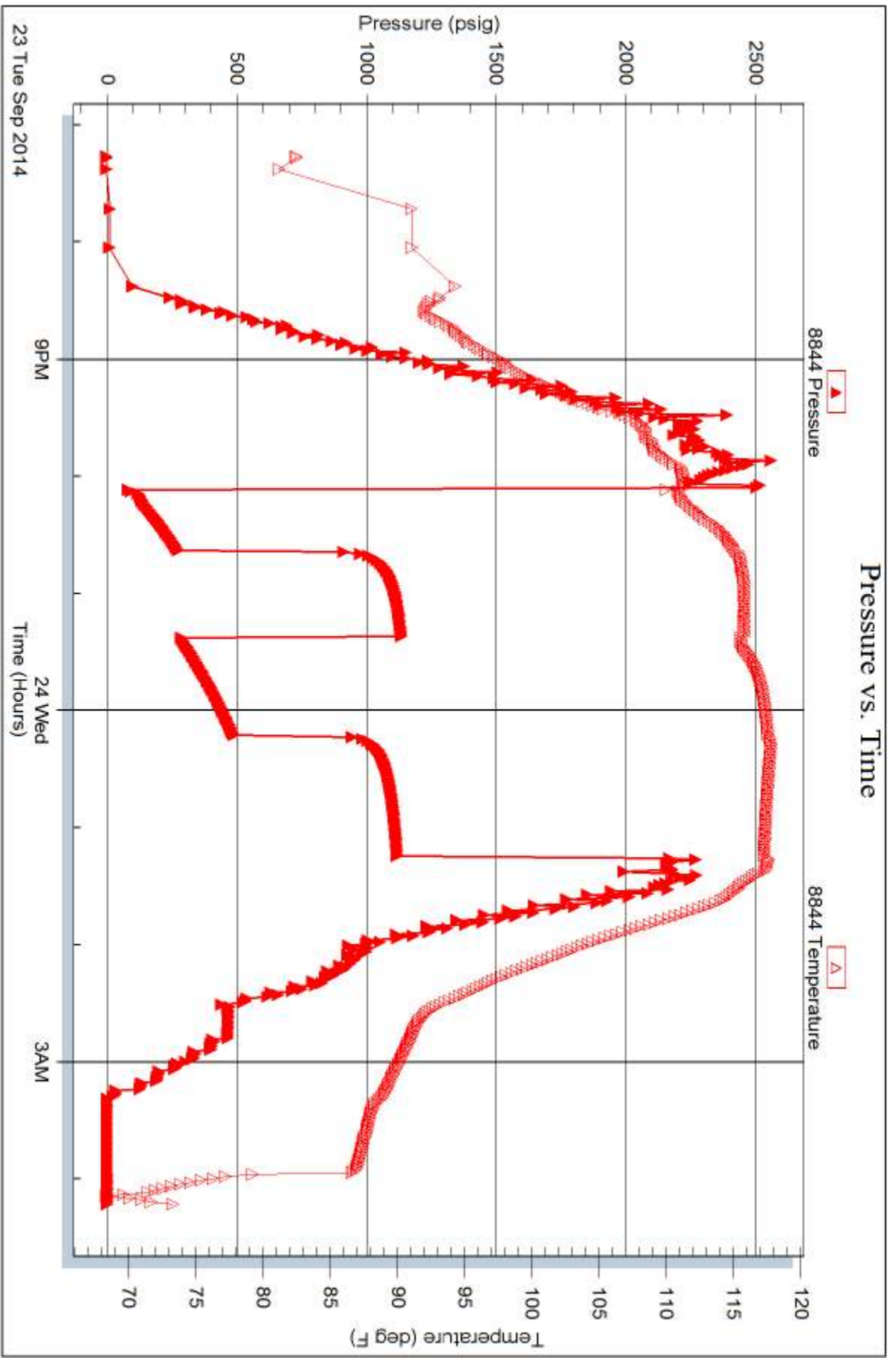
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Serial #: 8844

Outside American Warrior Inc

Neeley FLB 1-33

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 59081

Printed: 2014.09.26 @ 14:41:13



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59081

Well Name & No. AWT/Neeley AB#1-33 Test No. 1 Date 9/23/2014
 Company AMT Elevation 2851 KB 2840 GL
 Address 3118 Cummings Rd Garden City, KS 67846
 Co. Rep / Geo. Kevin Timson Rig 10
 Location: Sec. 33 Twp. 23S Rge. 32W Co. Finney State KS

Interval Tested 4770 - 4809 Zone Tested Miss - St Louis
 Anchor Length 39' Drill Pipe Run 4582' Mud Wt. 9.2
 Top Packer Depth 4765 Drill Collars Run 181 Vis 73
 Bottom Packer Depth 4770 Wt. Pipe Run 0 WL 8.0
 Total Depth 4809 Chlorides 1600 ppm System LCM 2
 Blow Description BOB in 7min
No Return
BOB in 10min
No Return

Rec	Feet of	%gas	%oil	%water	%mud
93	X oil		100		
93	SM & WCO		70	20	10
93	OC MW		30	35	35
93	MOW			50	50
93	SMCW			50	50
Rec Total <u>930'</u> BHT <u>117°</u> Gravity <u>300</u> API RW <u>.148 @ 70° F</u> Chlorides <u>49000</u> ppm					

(A) Initial Hydrostatic 2246 Test 1250 T-On Location 1800
 (B) First Initial Flow 85 Jars 250 T-Started 1915
 (C) First Final Flow 277 Safety Joint 75 T-Open 2205
 (D) Initial Shut-In 1138 Circ Sub N/C T-Pulled 0105
 (E) Second Initial Flow 291 Hourly Standby T-Out 0412
 (F) Second Final Flow 494 Mileage 70 1/2 217 Comments loaded tools 9/24 pm
 (G) Final Shut-In 1122 Sampler
 (H) Final Hydrostatic 2186 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total 0
 Day Standby Total 1792
 Accessibility MPDST Disc't

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60
 Sub Total 1792

Approved By _____ Our Representative [Signature]
 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.
TRAWLING