



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: _____



1095054

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 Bbbs.	Gas Mcf	Water Bbbs.	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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Lent 4
Doc ID	1095054

Tops

Name	Top	Datum
Anhydrite	1500	771
Heebner	3732	-1461
Lansing	3778	-1507
Base Kansas City	4125	-1854
Pawnee	4210	-1939
Ft. Scott	4286	-2015
Cherokee	4306	-2035
Mississippian	4374	-2103
TD	4410	-2139



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Jason Alm

Lent #4

26-19s-22w Ness,KS

Start Date: 2012.05.31 @ 01:20:30

End Date: 2012.05.31 @ 07:46:00

Job Ticket #: 47118 DST #: 1

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

Printed: 2012.06.01 @ 14:48:07



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc.
 PO Box 399
 Garden City KS 67846
 ATTN: Jason Alm

26-19s-22w Ness, KS

Lent #4

Job Ticket: 47118

DST#: 1

Test Start: 2012.05.31 @ 01:20:30

GENERAL INFORMATION:

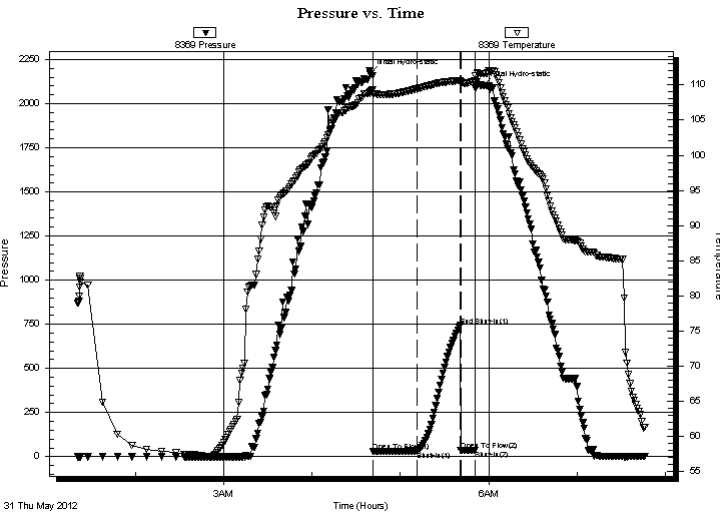
Formation: **Miss.**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:41:30
 Time Test Ended: 07:46:00
 Interval: **4334.00 ft (KB) To 4403.00 ft (KB) (TVD)**
 Total Depth: 4403.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 2271.00 ft (KB)
 2265.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 8369

Inside

Press @ Run Depth: 33.14 psig @ 4335.00 ft (KB)
 Start Date: 2012.05.31 End Date: 2012.05.31
 Start Time: 01:20:35 End Time: 07:45:59
 Capacity: 8000.00 psig
 Last Calib.: 2012.05.31
 Time On Btm: 2012.05.31 @ 04:39:30
 Time Off Btm: 2012.05.31 @ 05:56:30

TEST COMMENT: IF-1/2" blow
 IS-No blow
 FF-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2171.42	109.04	Initial Hydro-static
2	28.87	108.79	Open To Flow (1)
32	33.14	109.46	Shut-In(1)
61	742.87	110.64	End Shut-In(1)
62	36.60	110.39	Open To Flow (2)
71	37.49	110.54	Shut-In(2)
77	2103.21	111.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	V/SOCM	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

26-19s-22w Ness, KS

PO Box 399
Garden City KS 67846

Lent #4

Job Ticket: 47118

DST#: 1

ATTN: Jason Alm

Test Start: 2012.05.31 @ 01:20:30

Tool Information

Drill Pipe:	Length: 4197.00 ft	Diameter: 3.80 inches	Volume: 58.87 bbl	Tool Weight: 2500.00 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 59.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4334.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	69.00 ft			
Tool Length:	97.00 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			4307.00	
Shut In Tool	5.00			4312.00	
Hydraulic tool	5.00			4317.00	
Jars	5.00			4322.00	
Safety Joint	2.00			4324.00	
Packer	5.00			4329.00	28.00 Bottom Of Top Packer
Packer	5.00			4334.00	
Stubb	1.00			4335.00	
Recorder	0.00	8369	Inside	4335.00	
Recorder	0.00	8319	Outside	4335.00	
Perforations	7.00			4342.00	
Change Over Sub	1.00			4343.00	
Drill Pipe	32.00			4375.00	
Change Over Sub	1.00			4376.00	
Perforations	24.00			4400.00	
Bullnose	3.00			4403.00	69.00 Bottom Packers & Anchor
Total Tool Length:	97.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

26-19s-22w Ness, KS

PO Box 399
Garden City KS 67846

Lent #4

Job Ticket: 47118

DST#: 1

ATTN: Jason Alm

Test Start: 2012.05.31 @ 01:20:30

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	VSOCM	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

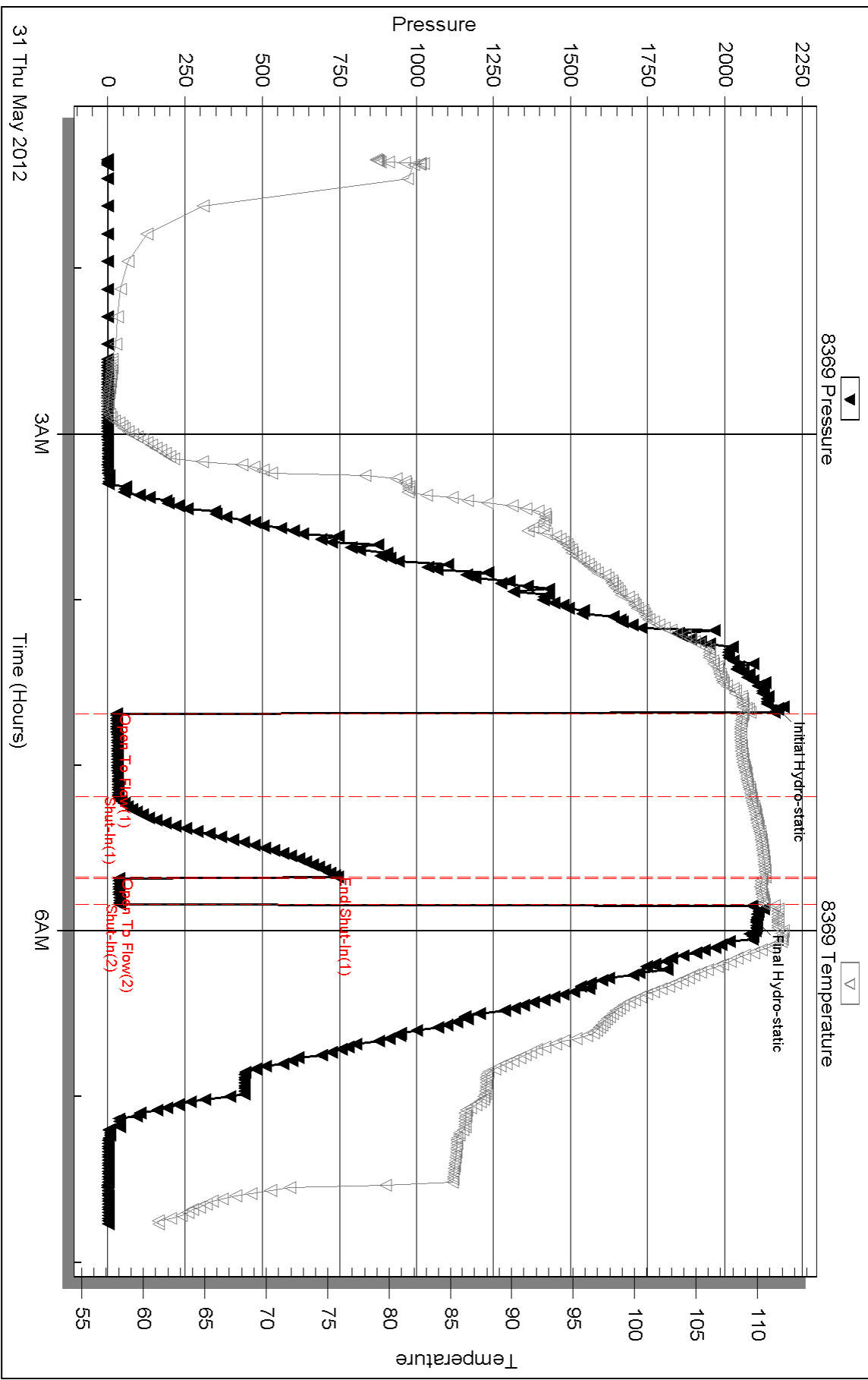
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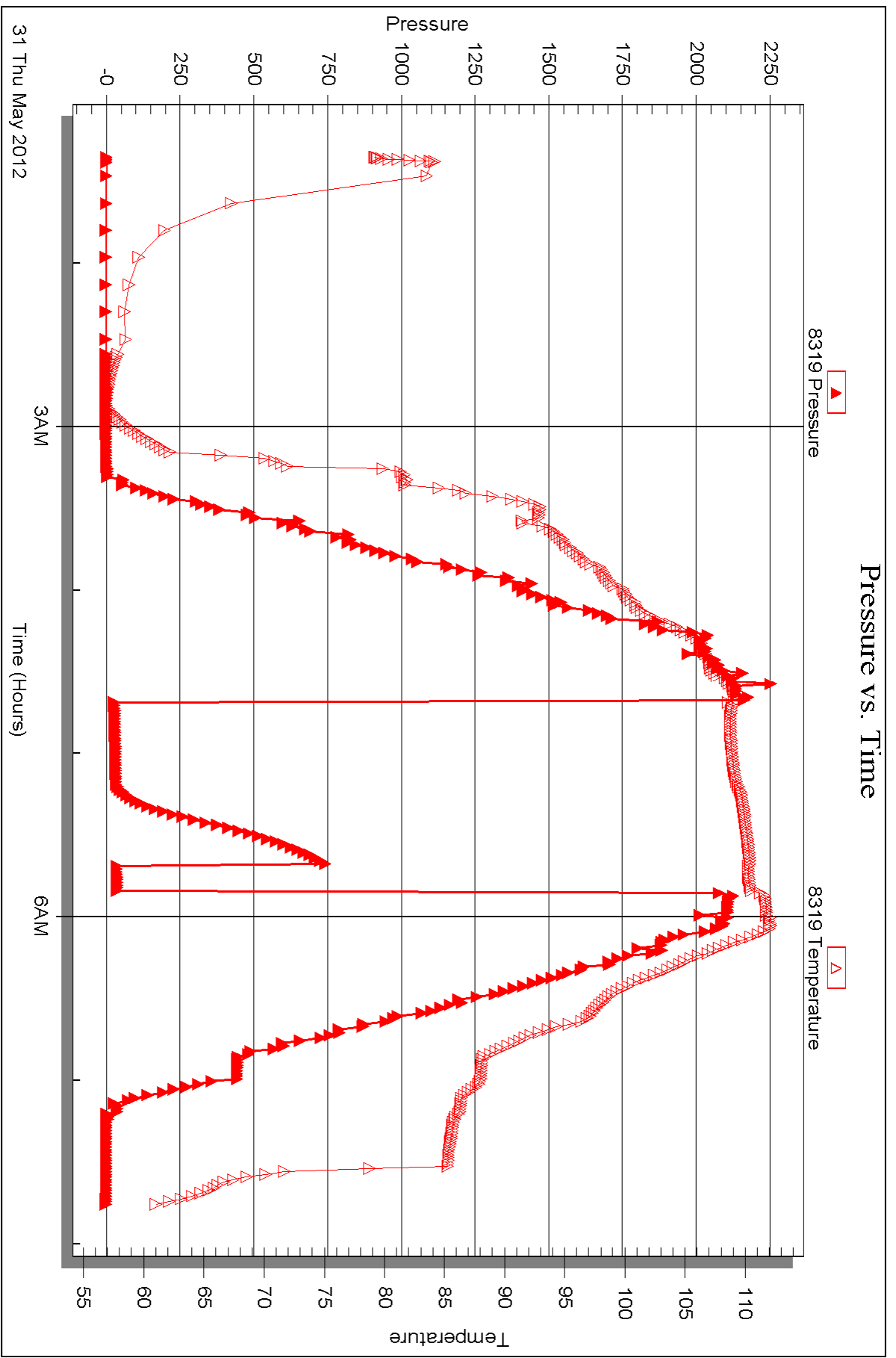
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Jason Alm

Lent #4

26-19s-22w Ness,KS

Start Date: 2012.05.31 @ 13:20:30

End Date: 2012.05.31 @ 21:19:30

Job Ticket #: 47119 DST #: 2

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

Printed: 2012.06.01 @ 14:47:14



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc.
 PO Box 399
 Garden City KS 67846
 ATTN: Jason Alm

26-19s-22w Ness, KS

Lent #4

Job Ticket: 47119

DST#: 2

Test Start: 2012.05.31 @ 13:20:30

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:57:00

Time Test Ended: 21:19:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: 4333.00 ft (KB) To 4408.00 ft (KB) (TVD)

Reference Elevations: 2271.00 ft (KB)

Total Depth: 4408.00 ft (KB) (TVD)

2265.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8369

Inside

Press @ Run Depth: 373.92 psig @ 4334.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.05.31

End Date:

2012.05.31

Last Calib.: 2012.05.31

Start Time: 13:20:35

End Time:

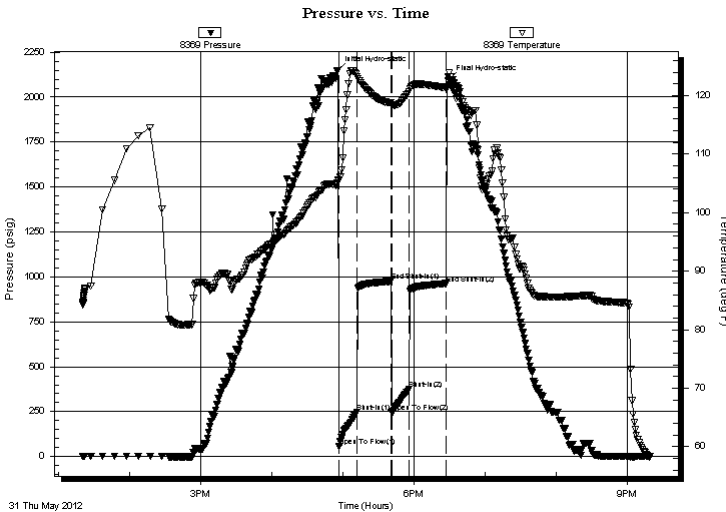
21:19:29

Time On Btm: 2012.05.31 @ 16:55:30

Time Off Btm: 2012.05.31 @ 18:30:00

TEST COMMENT: IF-BOB in 5.5 min
 IS- No blow
 FF-BOB in 7.5 min
 FS- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2148.47	105.07	Initial Hydro-static
2	57.01	105.44	Open To Flow (1)
17	246.95	123.31	Shut-In(1)
46	975.35	118.77	End Shut-In(1)
46	248.61	118.46	Open To Flow (2)
61	373.92	120.64	Shut-In(2)
92	962.40	121.37	End Shut-In(2)
95	2098.29	123.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	SOCW 10%O 90%W	1.41
180.00	GSOWCM 10%G 10%O 30%W 50%M	2.52
120.00	GSOWCM 10%G 10%O 15%W 65%M	1.68
120.00	GVSOWCM 10%G 10%O 5%W 75%M	1.68
150.00	VSOVM 5%O 95%M	2.10

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

26-19s-22w Ness, KS

PO Box 399
Garden City KS 67846

Lent #4

Job Ticket: 47119

DST#: 2

ATTN: Jason Alm

Test Start: 2012.05.31 @ 13:20:30

Tool Information

Drill Pipe:	Length: 4197.00 ft	Diameter: 3.80 inches	Volume: 58.87 bbl	Tool Weight: 2500.00 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 59.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4333.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.00 ft			
Tool Length:	103.00 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			4306.00	
Shut In Tool	5.00			4311.00	
Hydraulic tool	5.00			4316.00	
Jars	5.00			4321.00	
Safety Joint	2.00			4323.00	
Packer	5.00			4328.00	28.00 Bottom Of Top Packer
Packer	5.00			4333.00	
Stubb	1.00			4334.00	
Recorder	0.00	8369	Inside	4334.00	
Recorder	0.00	8319	Outside	4334.00	
Perforations	6.00			4340.00	
Change Over Sub	1.00			4341.00	
Drill Pipe	63.00			4404.00	
Change Over Sub	1.00			4405.00	
Bullnose	3.00			4408.00	75.00 Bottom Packers & Anchor

Total Tool Length: 103.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

26-19s-22w Ness,KS

PO Box 399
Garden City KS 67846

Lent #4

Job Ticket: 47119

DST#: 2

ATTN: Jason Alm

Test Start: 2012.05.31 @ 13:20:30

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:

32000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
180.00	SOCW 10%O 90%W	1.414
180.00	GSOWCM 10%G 10%O 30%W 50%M	2.525
120.00	GSOWCM 10%G 10%O 15%W 65%M	1.683
120.00	GVSOWCM 10%G 10%O 5%W 75%M	1.683
150.00	VSOCM 5%O 95%M	2.104

Total Length: 750.00 ft

Total Volume: 9.409 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

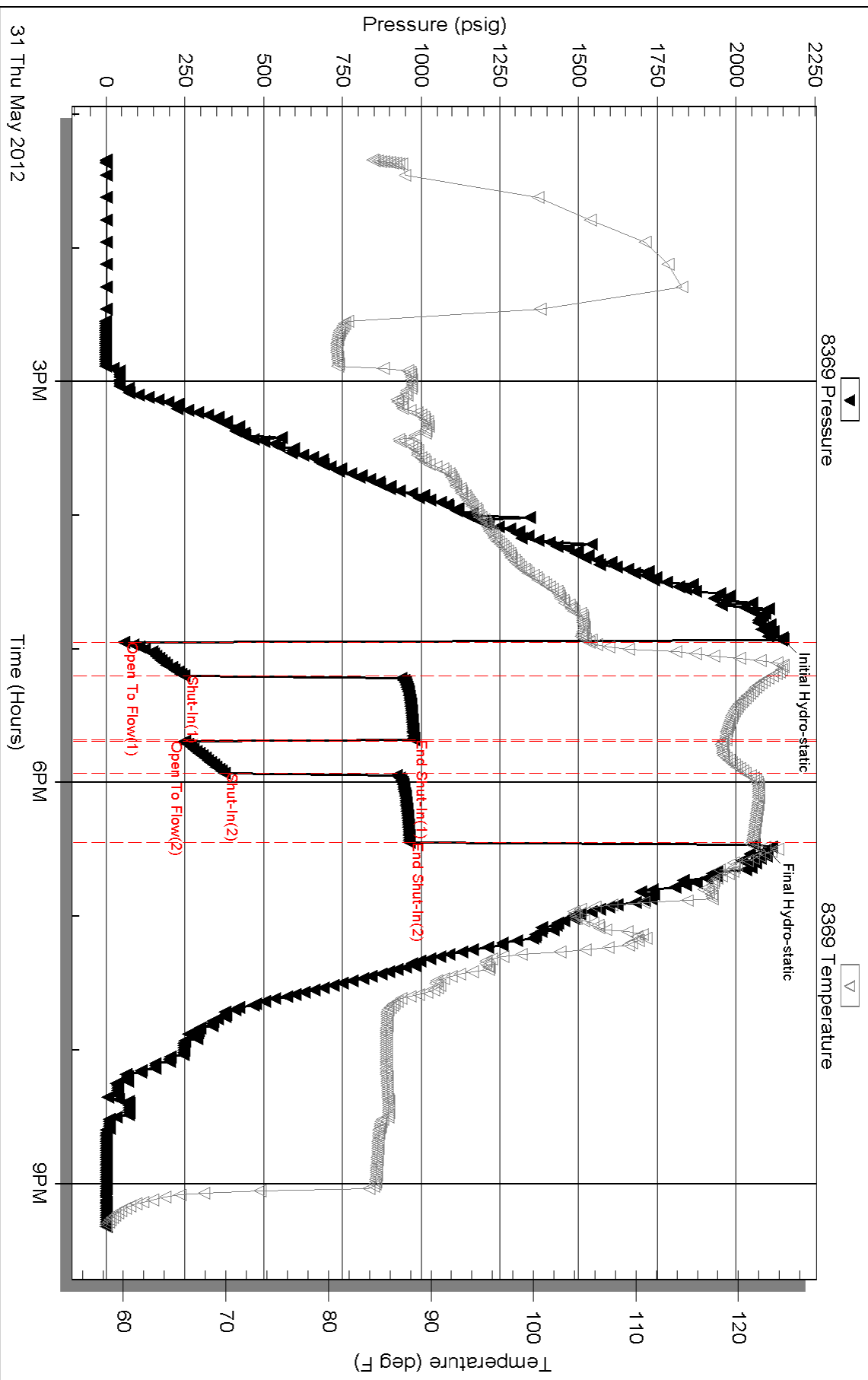
Serial #:

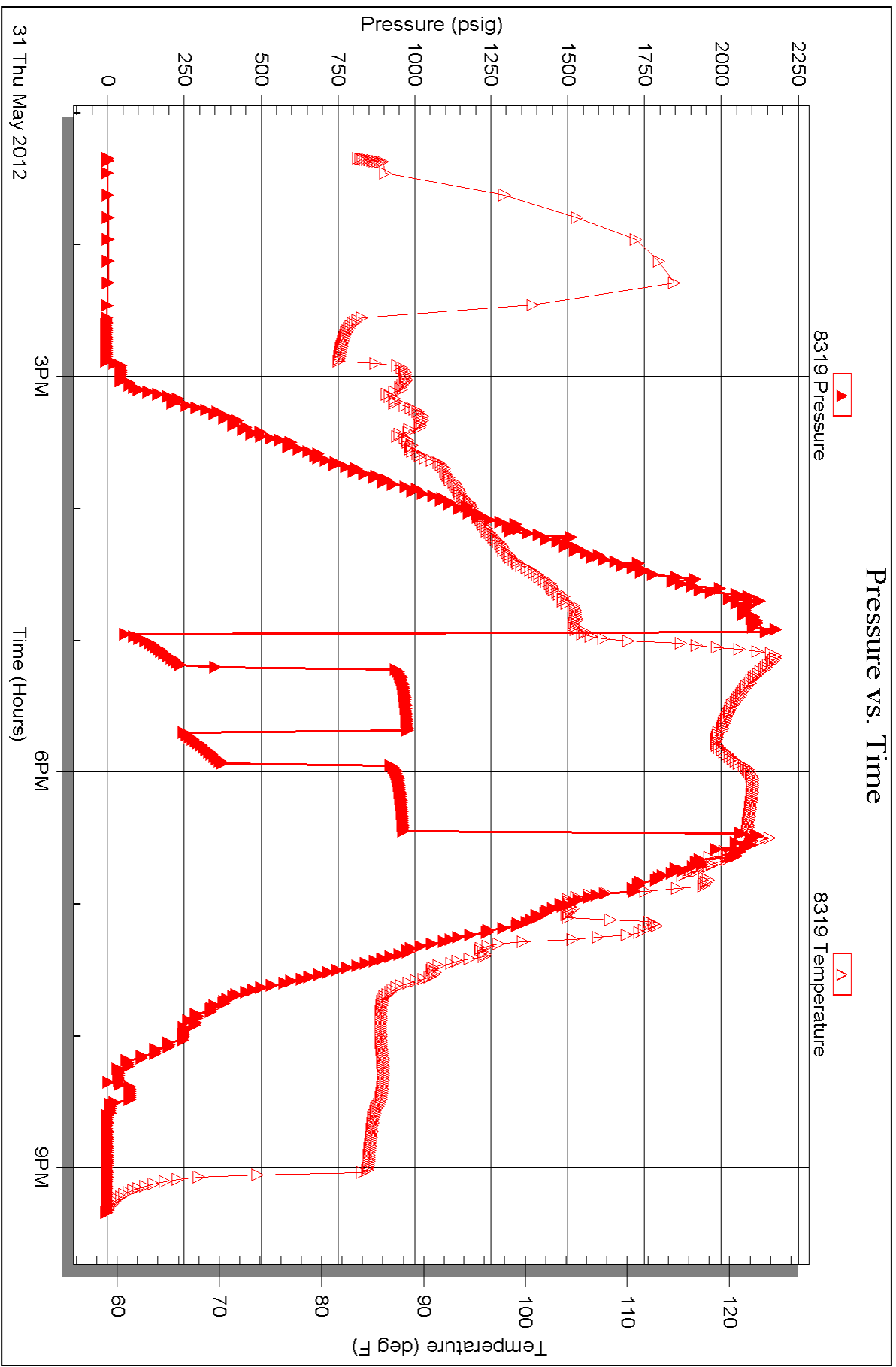
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47118

Well Name & No. Lent #4 Test No. 1 Date 5/31/12
 Company American Warrior, Inc. Elevation 2271 KB 2265 GL
 Address PO Box 399 Garden City KS 67846
 Co. Rep / Geo. Jason Alm Rig Petromark #1
 Location: Sec. 26 Twp. 19s Rge. 22w Co. Ness State KS

Interval Tested 4334 - 4403 Zone Tested Miss
 Anchor Length 69 Drill Pipe Run 4197 Mud Wt. 9.3
 Top Packer Depth 4329 Drill Collars Run 122 Vis 48
 Bottom Packer Depth 4334 Wt. Pipe Run — WL 8.4
 Total Depth 4403 Chlorides 6,400 ppm System LCM
 Blow Description IF - 1/2 in blow
45' - No blow
FF - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>vsocm</u>		<u>5</u>		<u>93</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 20 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2,171 Test 1250 T-On Location :35
 (B) First Initial Flow 29 Jars 250 T-Started 1:20
 (C) First Final Flow 33 Safety Joint 75 T-Open 4:45
 (D) Initial Shut-In 743 Circ Sub _____ T-Pulled 5:55
 (E) Second Initial Flow 37 Hourly Standby _____ T-Out 7:45
 (F) Second Final Flow _____ Mileage 37x2 176.70 Comments _____
 (G) Final Shut-In 7 Sampler _____
 (H) Final Hydrostatic 2,103 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 1751.70
 Final Flow 10 Accessibility _____ MP/DST Disc't _____
 Final Shut-In _____ Sub Total 1751.70

Approved By _____ Our Representative Burd

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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. **47119**

Well Name & No. Lent #4 Test No. 2 Date 5/31/12
 Company American Warrior, Inc Elevation 2271 KB 2265 GL
 Address PO Box 399 Garden City KS 67846
 Co. Rep / Geo. Jason Alm Rig Petromark #1
 Location: Sec. 26 Twp. 19s Rge. 22w Co. Ness State KS

Interval Tested 4333 - 4408 Zone Tested Misc
 Anchor Length 75 Drill Pipe Run 4197 Mud Wt. 9.3
 Top Packer Depth 4328 Drill Collars Run 122 Vis 48
 Bottom Packer Depth 4333 Wt. Pipe Run — WL 8.4
 Total Depth 4408 Chlorides 6,400 ppm System LCM

Blow Description IF - BOB in 5 1/2 min
FSF - No blow
FF - BOB in 7 1/2 min
FSF - No blow

Rec	Feet of	%gas	%oil	%water	%mud
180	SOCLW	10	90		
180	650WCM	10	30	50	
120	650WCM	10	15	65	
120	650WCM	10	5	75	
150	450CM	5		95	
Rec Total	BHT <u>1218</u>	Gravity	API RW <u>.22 @ 70</u>	F Chlorides <u>72,000</u>	ppm

(A) Initial Hydrostatic 2,148 Test 1250 T-On Location 12:30
 (B) First Initial Flow 57 Jars 250 T-Started 13:20
 (C) First Final Flow 247 Safety Joint 75 T-Open 16:55
 (D) Initial Shut-In 975 Circ Sub T-Pulled 18:25
 (E) Second Initial Flow 249 Hourly Standby T-Out 21:25
 (F) Second Final Flow 374 Mileage 57x2 176.70 Comments
 (G) Final Shut-In 962 Sampler Ruined Shale Packer
 (H) Final Hydrostatic 2,098 Straddle Ruined Packer
 Initial Open 15 Shale Packer Extra Copies
 Initial Shut-In 30 Extra Packer Sub Total 0
 Final Flow 15 Extra Recorder Total 1751.70
 Final Shut-In 30 Day Standby MP/DST Disc't
 Sub Total 1751.70 Accessibility

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.

Geological Report

American Warrior, Inc.

Lent #4

1070' FNL & 1300' FEL

Sec. 26 T19s R22w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Lent #4
1070' FNL & 1300' FEL
Sec. 26 T19s R22w
Ness County, Kansas
API # 15-135-25343-0000

Drilling Contractor: Petromark Drilling, LLc. Rig #1

Geologist: Jason T Alm

Spud Date: May 23, 2012

Completion Date: June 1, 2012

Elevation: 2265' Ground Level
2271' Kelly Bushing

Directions: Bazine KS, intersection of Hwy 96 and Austin St. 5
mi. South to 80 Rd. West 1 mi. to CC Rd. South ¼
mi. West into location.

Casing: 223' 8 5/8" surface casing
4400' 5 1/2" production casing

Samples: 10' wet and dry, 3600' to RTD

Drilling Time: 3600' to RTD

Electric Logs: None

Drillstem Tests: Two, Trilobite Testing, Inc. "Brett Dickinson"

Problems: Casing tagged bottom 8 ft. short of RTD.

Remarks: Sample tops will be incorrect due to rig being deep
of casing tally.

Formation Tops

Formation	American Warrior, Inc.
	Lent #4
	Sec. 26 T19s R22w
	1070' FNL & 1300' FEL
Anhydrite	1500', +771
Base	1536', +735
Heebner	3732', -1461
Lansing	3778', -1507
BKc	4125', -1854
Pawnee	4210', -1939
Fort Scott	4286', -2015
Cherokee	4306', -2035
Mississippian	4374', -2103
Osage	4403', -2132
RTD	4408', -2137
Corrected RTD	4400', -2129

Sample Zone Descriptions

- Miss. Warsaw** **(4374', -2103): Covered in DST #1**
Dolo – Fine sucrosic crystalline with poor inter-crystalline and fair vuggy porosity, light to good oil stain in porosity, show of free oil, fair odor, fair cut fluorescents, 25-65 units hotwire.
- Miss. Osage** **(4303', -2132): Covered in DST #2**
Dolo – Δ – Fine sucrosic crystalline with poor to fair inter-crystalline porosity, heavy triptolitic chert, weathered with poor to good vuggy porosity, light to fair oil stain in porosity, show of free oil, good odor, good cut fluorescents, 40 units hotwire.

Drill Stem Tests
 Trilobite Testing, Inc.
 "Brett Dickinson"

DST #1

Mississippian Warsaw

Interval (4334' – 4403') Anchor Length 69'

IHP	– 2171 #	
IFP	– 30" – Built to 1/2 in.	28-33 #
ISI	– 30" – Dead	743 #
FFP	– 10" – Dead	36-37 #
FHP	– 2103 #	
BHT	– 111°F	

Recovery: 20' VSOCM 5% Oil

DST #2

Mississippian Osage

Interval (4333' – 4408') Anchor Length 75'

IHP	– 2148 #	
IFP	– 15" – B.O.B. 5 ½ in.	57-247 #
ISI	– 30" – Dead	975 #
FFP	– 15" – B.O.B. 7 ½ in.	248-374 #
FSI	– 30" – Dead	962 #
FHP	– 2098 #	
BHT	– 123°F	

Recovery:	150' VSOCM	5% Oil
	120' GVSWOCM	10% Oil, 5% Water
	120' GSOWCM	10% Oil, 15% Water
	180' GSOWCM	10% Oil, 30% Water
	180' SOCW	10% Oil, 90% Water

Structural Comparison

	American Warrior, Inc. Lent #4 Sec. 26 T19s R22w 1070' FNL & 1300' FEL	American Warrior, Inc. Lent #3 Sec. 26 T19s R22w 1050' FNL & 1050' FEL		Sinclair Oil & Gas Robert B. Lent Sec. 26 T19s R22w 660' FNL & 510' FEL	
Formation					
Anhydrite	1500', +771	1500', +769	(+2)	NA	NA
Base	1536', +735	NA	NA	NA	NA
Heebner	3732', -1461	3730', -1461	FL	3725', -1459	(-2)
Lansing	3778', -1507	3776', -1507	FL	3774', -1508	(+1)
BKc	4125', -1854	NA	NA	NA	NA
Pawnee	4210', -1939	NA	NA	NA	NA
Fort Scott	4286', -2015	4282', -2013	(-2)	NA	NA
Cherokee	4306', -2035	4301', -2032	(-3)	NA	NA
Mississippian	4374', -2103	NA	NA	4381', -2115	(+12)
Osage	4403', -2132	4391', -2122	(-10)	NA	NA

Summary

The location for the Lent #4 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Two Drill Stem Tests were conducted one of which recovered commercial amounts of oil from the Mississippian Osage Formation. After all gathered data had been examined the decision was made to run 5 1/2 inch production casing to further evaluate the Lent #4 well.

Recommended Perforations

Primary:

Mississippian Osage: (4395' – 4397') DST #2

Before Abandonment:

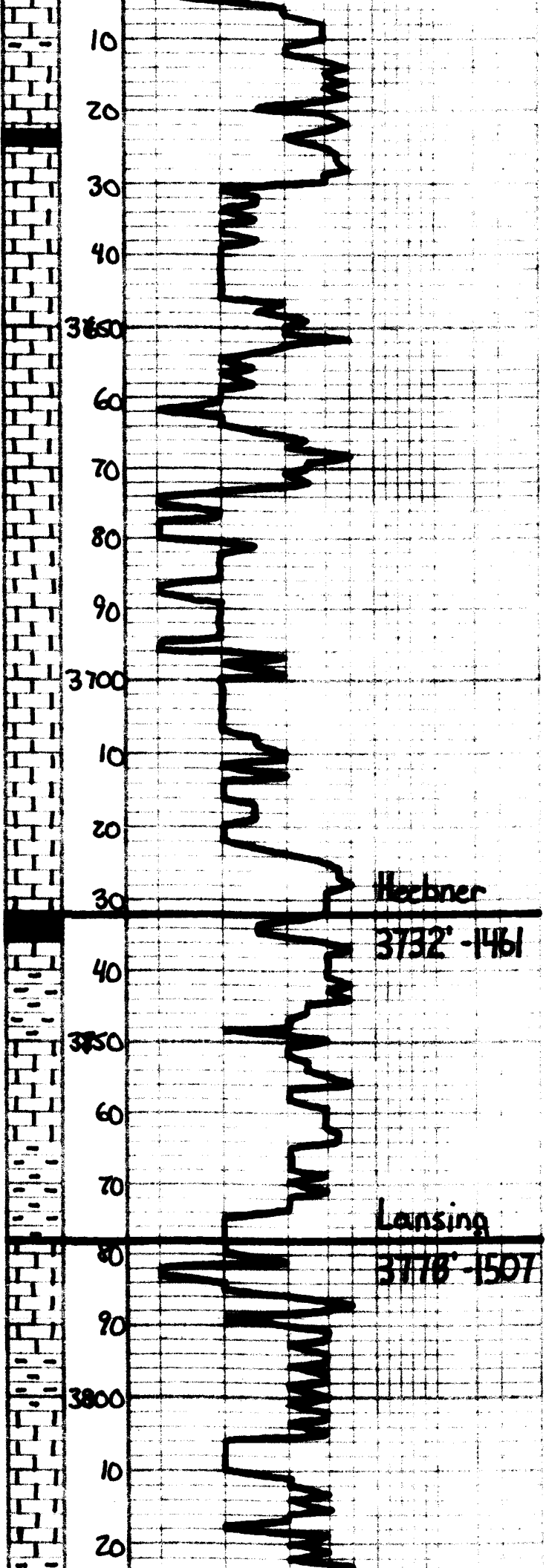
Mississippian Warsaw: (4368' – 4390') DST #1

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.

Geon location
11:00 a.m.
5-29-2012

10
20
30
40
3750
60
70
80
90
3700
10
20
30
3732
40
3750
60
70
80
3718
90
3800
10
20



Sh. Dk. Gray

Ls. Tan. Gray, Mottled, Fa. ala.,
Sl. Cal., Barren

Ls. ala, Fossil

Ls. ala

Ls. Tan. Gray, Mottled, Fa. ala.,
Cal., Fossil, Barren

Ls. ala

Heebner

3732' - 1461

Sh. Blk. Carb. Fossil

Sh. Gray-Ben-Gen

Ls. Tan. Off wh. Fa. Subala.,
DMS

Sh. Gray-Ben

Lansing

3718' - 1507

Ls. Tan. Lt. Gray, Fa. ala., Cal.
w/ fossil cont. of Barren

Sh. Gray-Ben

Ls. Tan. Lt. Gray, Fa. ala., Sl. Cal.
w/ fine interbedded cont. of
Barren

Sh. Gray-Ben

Sh - Gray - Ben

Ls - Tan - Lt. Gray, Fr. x lg. Ool.
wl. Poor con. fr. Sl. - Whit. Gray

Sh - Dk. Gray

Ls - Tan - Lt. Gray, Subaln. DNS

Sh - Gray - Ben

Ls - Offwh. - Tan, Fr. x lg. Ool.
wl. Fair con. fr. Sl. - Whit. Gray

Ls - ala

Ls - ala

Ls - Tan - Lt. Gray, Fr. x lg. Ool.
wl. Poor - Fair con. fr. Barren

Sh - Gray - Ben

Ls - Tan - Lt. Gray, Fr. - Subaln. Sl.
Ool., Maschy DNS

Sh - Gray - Ben

Ls - Tan, Fr. - Subaln. Ool. wl
Poor - Fair con. fr. Barren

Sh - Gray

Ls - Offwh. - Lt. Gray, Fr. x lg. Ool.
Frst. wl. Excellent con. fr. Barren

Ls - ala, DNS

Sh - Gray - Dk. Gray

30
40
3850
60
70
80
90
3900
10
20
30
40
3950
60
70
80
90
4000
10
20
30
40

Case



4050

60

70

80

90

4100

10

20

BKc

4125 - 1854

30

40

4150

60

70

80

90

4200

Pawnee

4210 - 1939

10

20

30

40

4250

60

Ls. Tan-Lt. Gray, Subsh, DNS

Sh. Dk. Gray

Ls. Tan-Gray, Subsh, DNS

Sh. Blk

Ls. Tan-Gray, Subsh, DNS

Ls. a/a

Sh. Gray-Ben-Gra

Ls. Tan-Lt. Gray, Subsh, DNS

Sh. Gray-Ben

Ls. Tan-Lt. Gray, Subsh, DNS

Sh. Gray-Ben

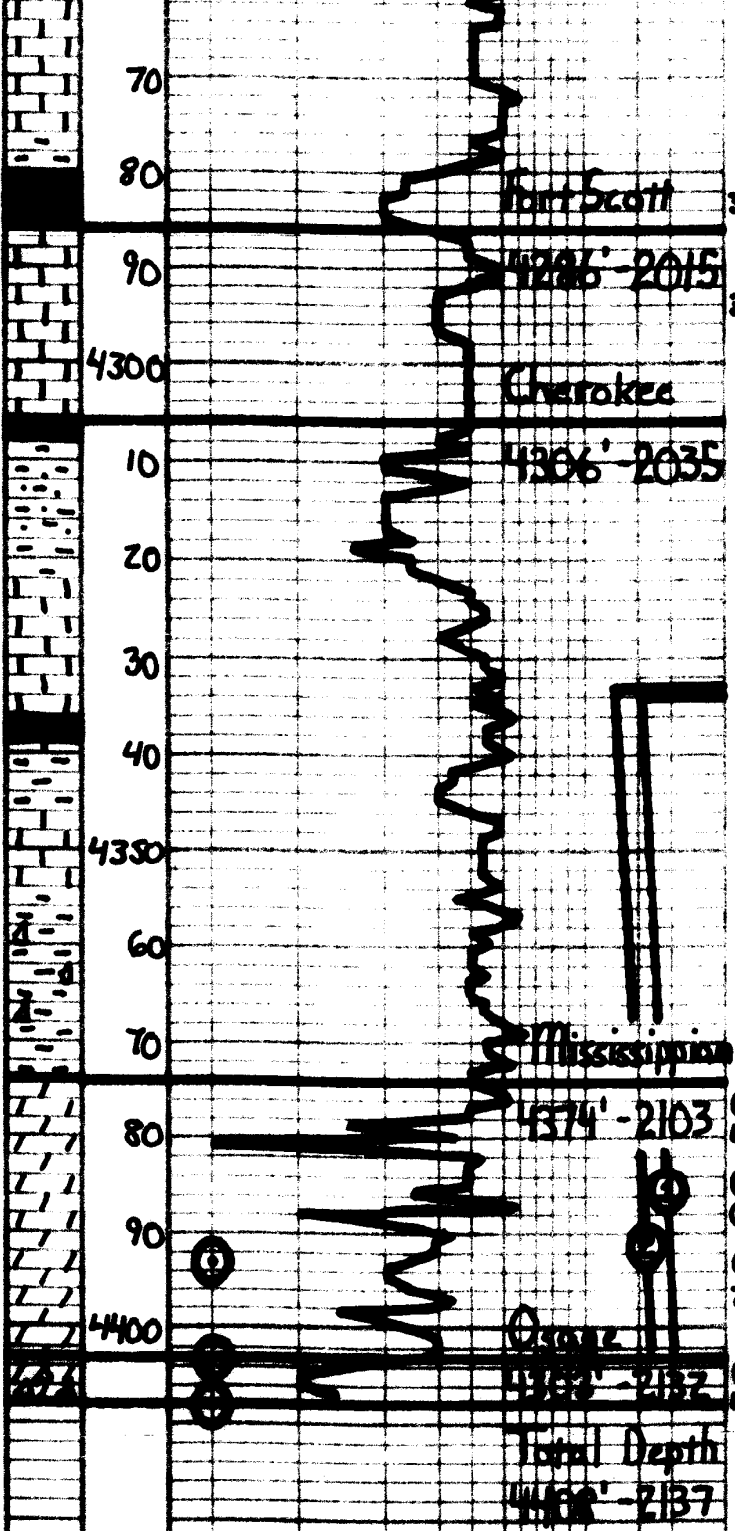
Ls. Tan-Gray, Subsh, DNS

Sh. Gray-Ben-Gra

Ls. Lt. Gray, Subsh, DNS

Ls. a/a

Ls. a/a



LS - Gray, Subsh. DNS
 35 Sh - Blk, Carb.
 35 Ls - Tan - Dark, Gray, Subsh. Lul
 than upper part, sand, dipping
 west, to 10' in 100'.
 2135, No. 10, Good, but thin
 6 Sh - Dk Gray
 Sh - Gray - Brn - Gra. Few rounded
 Gtz. gr.
 LS - Tan - Gray, Subsh. DNS
 Sh - Dk Gray
 Sh - Gray - Brn
 LS - Tan - Gray, Mottled. DNS
 Sh - Gray - Brn - Gra. & Orange -
 Lul - Vel.
 45 Dk - Dark, Gray, For. S. w/ a
 lot of iron, probably 2' in
 45 Ls - Tan - Gray, Subsh. Lul
 45 Dk - Dk, For. S. w/ a lot of
 iron, probably 2' in 100'.
 40 Dk - Dk, For. S. w/ a lot of
 iron, probably 2' in 100'.
 40 Ls - Tan - Gray, Subsh. Lul
 than upper part, sand, dipping
 west, to 10' in 100'.
 2135, No. 10, Good, but thin

DST #1
 Mississippian
 4334' - 4403'
 20' 30" 10"

IH 2178°
 IF 28-30°
 DSI 75W
 Dead
 FF 36-37°
 Dead
 FH 2103°
 BHT 111°
 Recovery:
 20' USOCM
 5% O.I.

DST #2
 Mississippian
 4333' - 4408'
 15' 30" 15' 30"

IH 2178°
 IF 57-247°
 808 5% min.
 DSI 75W
 Dead
 FF 248-374°
 808 5% min.
 FSI 762°
 Dead
 FH 2098°
 BHT 173°
 Recovery:
 180' USOCM
 5% O.I.
 120' USOCM
 10% O.I., 5% Water
 120' USOCM
 10% O.I., 15% Water
 120' USOCM
 10% O.I., 30% Water
 120' USOCM
 10% O.I., 40% Water



Respectfully
Jason T. Hill
6-1-2012

ALLIED CEMENTING CO., LLC. 042515

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Geoff Bond

DATE <u>5-25-12</u>	SEC <u>26</u>	TWP <u>19S</u>	RANGE <u>22W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Cent</u>	WELL# <u>4</u>	LOCATION <u>Bazine South To 80th</u>		COUNTY <u>NEOS</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one)		1. West 1/2 South West 1/4 To					

CONTRACTOR Pet-omark 1
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 TD. 222
 CASING SIZE 8 3/8 DEPTH 221
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRESS. MAX. MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15
 PERFS.
 DISPLACEMENT 13 BBLs

OWNER
 CEMENT
 AMOUNT ORDERED 150SX Class A + 38
+ 29651

EQUIPMENT
 PUMP TRUCK CEMENTER WAY-8
366 HELPER Kevin
 BULK TRUCK
942/241 DRIVER Joel
 BULK TRUCK
 DRIVER

COMMON @
 POZMIX @
 GEL @
 CHLORIDE @
 ASC @
 HANDLING @
 MILEAGE @

REMARKS:

pipe on bottom Break circuit
set on with Rigman
Run 3 BBLs water Ahead.
Mix 150SX Class A + 38 + 29651
Displace 13 BBLs
Shut in
Cement did circulate

TOTAL
 SERVICE
 DEPTH OF JOB 221
 PUMP TRUCK CHARGE
 EXTRA FOOTAGE @
 MILEAGE @
 MANIFOLD @
 TOTAL

CHARGE TO: American warrior
 STREET
 CITY STATE ZIP

PLUG & FLOAT EQUIPMENT
 TOTAL

To Allied Cementing Co., 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.

SALES TAX (If Any)
 TOTAL CHARGES
 DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME
 SIGNATURE Darren L. Cameron



TICKET
No 23107

PAGE 1 OF 2

CHARGE TO: American Water
ADDRESS
CITY, STATE, ZIP CODE

SERVICE LOCATIONS: 10061 VS

WELL/PROJECT NO: #4

LEASE: kent

COUNTY/PARISH: Neads

STATE: KS

CITY: G22ine

DATE: 1 JUN 12

OWNER:

TICKET TYPE: SERVICE SALES

CONTRACTOR:

RIG NAME NO.:

ORDER NO.:

WELL TYPE: 0.1

WELL CATEGORY: Development

JOB PURPOSE: cement bag string

WELL PERMIT NO.:

WELL LOCATION: 26-19-27

INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE TEE 14	25	mi			6.00	150.00
578					Pump Charge	1	hour			1500.00	1500.00
402					Conf. Pipes	5	in	5	00	70.00	350.00
403					Cement Bucket	5	in	2	00	250.00	500.00
404					PERT Collar	5	in	1	00	2400.00	2400.00
406					Latch Assembly & bottle	5	in	1	00	250.00	250.00
407					INSERT FIGHT SHEAR PLATE LEE	5	in	1	00	350.00	350.00
419					Rotating head rental	5	in	1	00	200.00	200.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X DATE SIGNED: TIME SIGNED: A.M. P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.

P.O. BOX 466

NESS CITY, KS 67560

785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 YES NO

WE UNDERSTOOD AND MET YOUR NEEDS?
 YES NO

OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 YES NO

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 YES NO

ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL

TAX

TOTAL

SWIFT OPERATOR: [Signature]

CUSTOMER ACCEPTANCE: [Signature]

APPROVAL

Thank You!



Swanton, Iowa

PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 23107

CUSTOMER American Whittier

WELL Cont # 4

DATE 1/16/12

PAGE 2 OF 2

STATION	STANDARD COMPONENT (S.C.)	WELL	DATE	PAGE
325	STANDARD COMPONENT (S.C.)	175 SK	13	50 2362.50
284	COLLOC	800/16	35	100 280.00
283	SAGT	900/16	0	130 180.00
292	MAILED 322	125-16	7	75 968.75
276	Fuelcel	50/16	2	100 100.00
281	midflush	500/01	1	125 625.00
221	KCL Liquid	2/4/1	25	100 50.00
290	D-air	2/9/1	35	100 70.00
588	Damage (h.m.)	1		250.00
581	SERVICE CHARGE	175 SK	2	100 350.00
TOTAL WEIGHT 18325		LOADED MILES 25	TON MILES	

JOB LOG

SWIFT Services, Inc.

DATE JUN 12 PAGE NO.

CUSTOMER *American Warriors* WELL NO. *#4* LEASE *Leite* JOB TYPE *cement long string* TICKET NO. *23107*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								105 sts EA-2 w/ shale 5 1/2" 155" casing
								104 sts 4407' short + 42' 46'
								cont 1,2,3,4,68 Pack + 5,69 Part letter #69 1473'
								RID - 4400' set 1, 1 1/2"
								size 1 - "78, 106, 107
	0606							on loc TRK 114
	0652							start 5 1/2" 155" casing in well
	0900							Drop ball - circulate - RDMZ
	0920	4 3/4	12				250	Pump 50 gal mid flush
		4 3/4	20				250	Pump 20 bbl KCL flush
	0925		7					Plug RH 3500
	0930	4 1/2	36				250	max EA-2 cement 1400 @ 153 208
	0940							Drop latch down plug work out pump & line
	0942	6 3/4					250	Displace plug
		6 3/4	95				850	
	1000	6 3/4	104				1500	Land plug
								Release pressure to truck - dried up
	1010							wash truck
								pick up
	1045							job complete
								Thanks Blaine, Dry & Done



Services, Inc.

CHARGE TO: American Water

TICKET No 23202

ADDRESS

CITY, STATE, ZIP CODE

PAGE 1 OF 1

SERVICE LOCATION Nov 1, 15	WELL/PROJECT NO. 4	LEASE Kent	COUNTY/PARISH Noss	STATE KS	CITY Bazine	DATE 7 AUG 12	OWNER
TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED BY	DELIVERED TO location	ORDER NO.	WELL LOCATION 26-A-27	
WELL TYPE 0.1	WELL DEPTH 40	JOB PURPOSE cement pit for the	WELL PERMIT NO.				
INVOICE INSTRUCTIONS							

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE TRX 114	11 mi				600	600.00
576D		1			Pump Charge	1 ea				1250.00	1250.00
330		1			SMD cement	120 SK				16.50	1980.00
276		1			Fluoride	25 lb				2.50	50.00
290		1			D-AIR	2 gal				35.00	70.00
288		1			Fluoride	1 ea				1100.00	1100.00
102		1			Delaware Kc Bridge Plug	1 ea				1100.00	1100.00
104		1			Port Collet Tool Rental	1 ea				250.00	250.00
581		1			Service charge	175 SK				2.00	350.00
582		1			Drillage (min)	1.10 ea				250.00	250.00
288		1			SAND	3.0 ea				22.00	66.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY,** and **LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: Scott
TIME SIGNED: 2:30
 A.M.
 P.M.

REMIT PAYMENT TO:
SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input checked="" type="checkbox"/> YES		<input type="checkbox"/> NO
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL	5426.00
TAX 7.55%	221.51
TOTAL	5647.51

JOB LOG

SWIFT Services, Inc.

DATE 7 AUG 12 PAGE NO. 1

CUSTOMER American Water WELL NO. #4 LEASE Leit JOB TYPE concrete port collar TICKET NO. 23202

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sks SMD w/ 1/2# floccula 22.5' Port collar @ 1473' RBP @ 3500'
	1605							on loc TR-114
	1915							Big pulling rods
	2012							Big going in with RBP opening tool
		4	35					pan down tubing to rice oil/loc hole 35 bbl - flow to surface
			48					kick out - 13 bbl oil in H.D. truck
	2028					1000	1000	test to 1000 psi - hold
			10					spot 1 sack sand - 11 bbl H ₂ O
	2045							pull up to 1473'
	2155	4	4			400		OPEN PORT COLLAR inj rate 4 bpm @ 400 mix SMD w/ 1/2# flocc @ 11.2 ppm pump drilling mud
	2157	4	5			400		5 bbl mix fluid to surface
		4	60			400		switch to H ₂ O spacer
		11	5			400		5 bbl H ₂ O
	2215	4	67			400		mix SMD cement @ 11.2 ppm (cement to surface) → { 120 sk mixed } (surface) → { 15 to pit }
			5					5 bbl H ₂ O flush
	2235							close port collar
						1000	1000	test to 1000 psi - hold
	2250		20					Raise hole clean - 2 cement plugs
								wash truck
	2340							job complete flush TJ D. Aug 13/12