



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1205135
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	---

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1205135

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	American Warrior, Inc.
Well Name	Ben Hinnergardt 4
Doc ID	1205135

Tops

Name	Top	Datum
Anhydrite	1438	802
Heebner	3751	-1511
Lansing	3799	-1559
Base Kansas City	4135	-1895
Pawnee	4260	-2020
Ft. Scott	4285	-2045
Cherokee	4303	-2063
Mississippian	4360	-2120
TD	4388	-2148



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO box 399
Garden City KS 67846

ATTN: Jason Alm

Ben Hinnergardt #4

12-20s-21w Ness,KS

Start Date: 2014.03.10 @ 09:42:00

End Date: 2014.03.10 @ 15:29:00

Job Ticket #: 56088 DST #: 1

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

Printed: 2014.03.16 @ 11:59:03



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

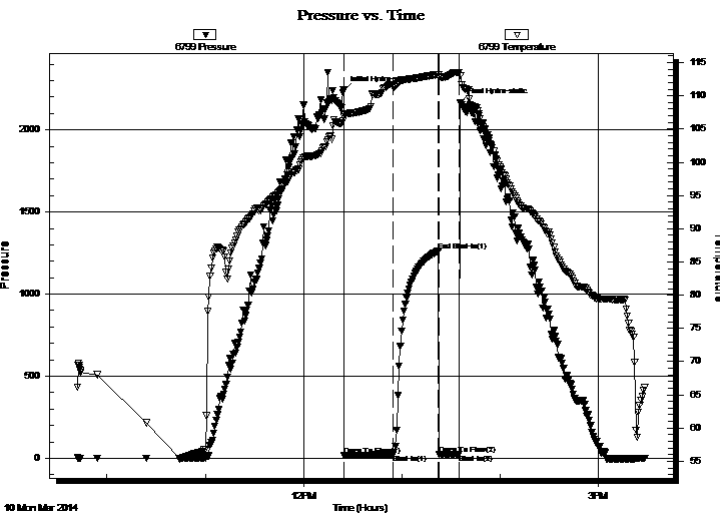
12-20s-21w Ness, KS
Ben Hinnergardt #4
 Job Ticket: 56088 **DST#: 1**
 Test Start: 2014.03.10 @ 09:42:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 12:24:45 Tester: Cody Bloedorn
 Time Test Ended: 15:29:00 Unit No: 73
 Interval: **4364.00 ft (KB) To 4378.00 ft (KB) (TVD)** Reference Elevations: 2240.00 ft (KB)
 Total Depth: 4378.00 ft (KB) (TVD) 2234.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 6.00 ft

Serial #: 6799 Inside
 Press@RunDepth: 21.04 psig @ 4365.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.03.10 End Date: 2014.03.10 Last Calib.: 2014.03.10
 Start Time: 09:42:05 End Time: 15:28:59 Time On Btm: 2014.03.10 @ 12:24:30
 Time Off Btm: 2014.03.10 @ 13:36:00

TEST COMMENT: 30 - IF- 1/4" blow
 30 - IS- No return
 10 - FF- weak surface return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2241.73	107.28	Initial Hydro-static
1	16.11	106.86	Open To Flow (1)
31	21.04	111.45	Shut-In(1)
58	1264.46	113.22	End Shut-In(1)
59	21.90	112.81	Open To Flow (2)
71	24.48	113.53	Shut-In(2)
72	2168.58	113.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud, with oil on top, 99%M, 1%O	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

12-20s-21w Ness, KS
Ben Hinnergardt #4
Job Ticket: 56088 **DST#: 1**
Test Start: 2014.03.10 @ 09:42:00

Tool Information

Drill Pipe:	Length: 4218.00 ft	Diameter: 3.80 inches	Volume: 59.17 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: 30000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 64000.00 lb
		Total Volume: 59.76 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4364.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	43.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			4336.00	
Shut In Tool	5.00			4341.00	
Hydraulic tool	5.00			4346.00	
Jars	5.00			4351.00	
Safety Joint	3.00			4354.00	
Packer	5.00			4359.00	29.00 Bottom Of Top Packer
Packer	5.00			4364.00	
Stubb	1.00			4365.00	
Recorder	0.00	6799	Inside	4365.00	
Recorder	0.00	8655	Outside	4365.00	
Perforations	10.00			4375.00	
Bullnose	3.00			4378.00	14.00 Bottom Packers & Anchor

Total Tool Length: 43.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

12-20s-21w Ness,KS
Ben Hinnergardt #4
Job Ticket: 56088 **DST#: 1**
Test Start: 2014.03.10 @ 09:42:00

Mud and Cushion Information

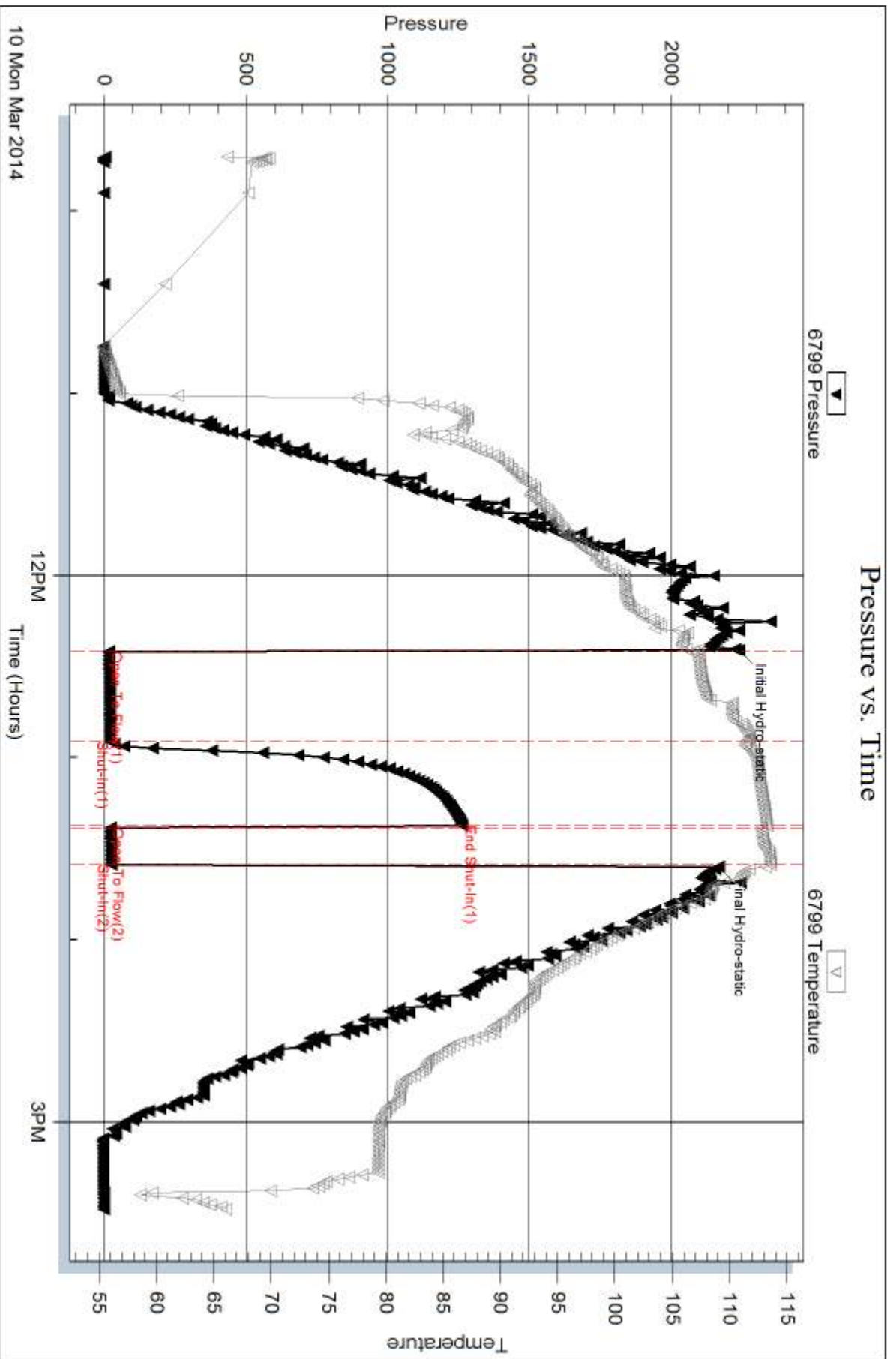
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7400.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud, with oil on top, 99%M, 1%O	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

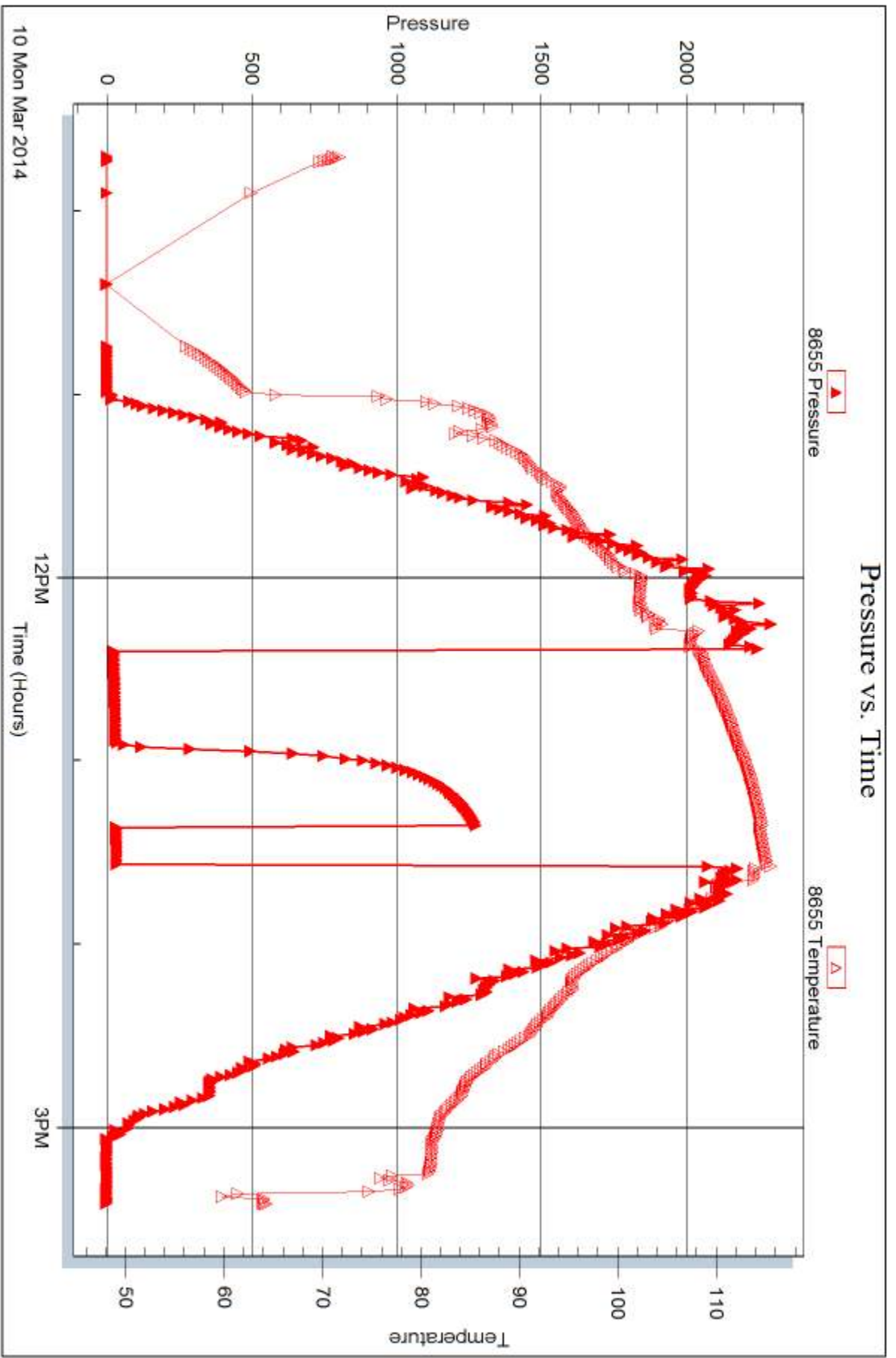


Serial #: 8655

Outside American Warrior Inc

Ben Hinnergardt #4

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 56088

Printed: 2014.03.16 @ 11:59:05



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO box 399
Garden City KS 67846

ATTN: Jason Alm

Ben Hinnergardt #4

12-20s-21w Ness,KS

Start Date: 2014.03.10 @ 19:56:00

End Date: 2014.03.11 @ 04:12:45

Job Ticket #: 56089 DST #: 2

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

Printed: 2014.03.16 @ 11:58:22



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

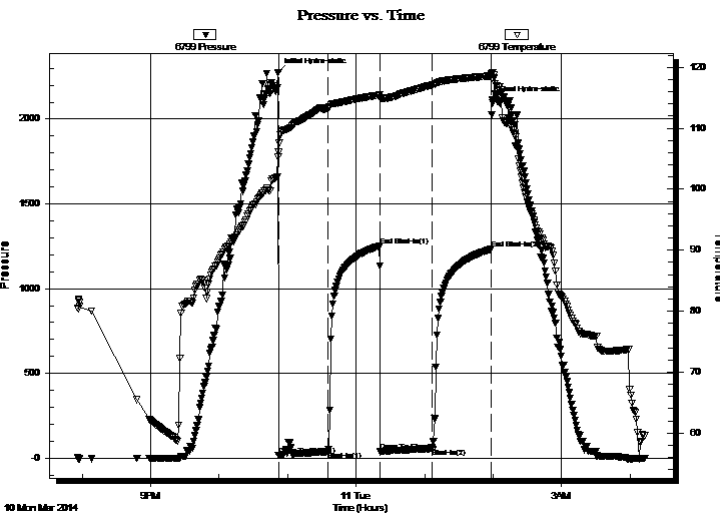
12-20s-21w Ness,KS
Ben Hinnergardt #4
Job Ticket: 56089 **DST#: 2**
Test Start: 2014.03.10 @ 19:56:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:52:00
Time Test Ended: 04:12:45
Interval: **4375.00 ft (KB) To 4385.00 ft (KB) (TVD)**
Total Depth: 4385.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Cody Bloedorn
Unit No: 73
Reference Elevations: 2240.00 ft (KB)
2234.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 6799 Inside
Press@RunDepth: 56.93 psig @ 4376.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.03.10 End Date: 2014.03.11 Last Calib.: 2014.03.11
Start Time: 19:56:05 End Time: 04:12:44 Time On Btm: 2014.03.10 @ 22:51:45
Time Off Btm: 2014.03.11 @ 01:59:00

TEST COMMENT: 45 - IF- 1 3/4" blow
45 - -ISL- surface return
45 - FF- 1/2" blow
45 - FS- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2275.67	105.34	Initial Hydro-static
1	15.71	106.05	Open To Flow (1)
44	38.67	113.33	Shut-In(1)
89	1251.65	115.44	End Shut-In(1)
90	39.87	115.04	Open To Flow (2)
135	56.93	117.07	Shut-In(2)
187	1234.29	118.60	End Shut-In(2)
188	2111.49	118.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
93.00	OCWM, 10%O, 20%W, 70%M	0.46

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

12-20s-21w Ness, KS
Ben Hinnergardt #4
Job Ticket: 56089 **DST#: 2**
Test Start: 2014.03.10 @ 19:56:00

Tool Information

Drill Pipe:	Length: 4249.00 ft	Diameter: 3.80 inches	Volume: 59.60 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: 30000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume: 60.19 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4375.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	39.00 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			4347.00	
Shut In Tool	5.00			4352.00	
Hydraulic tool	5.00			4357.00	
Jars	5.00			4362.00	
Safety Joint	3.00			4365.00	
Packer	5.00			4370.00	29.00 Bottom Of Top Packer
Packer	5.00			4375.00	
Stubb	1.00			4376.00	
Recorder	0.00	6799	Inside	4376.00	
Recorder	0.00	8655	Outside	4376.00	
Perforations	6.00			4382.00	
Bullnose	3.00			4385.00	10.00 Bottom Packers & Anchor

Total Tool Length: 39.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

12-20s-21w Ness,KS
Ben Hinnergardt #4
Job Ticket: 56089 **DST#: 2**
Test Start: 2014.03.10 @ 19:56:00

Mud and Cushion Information

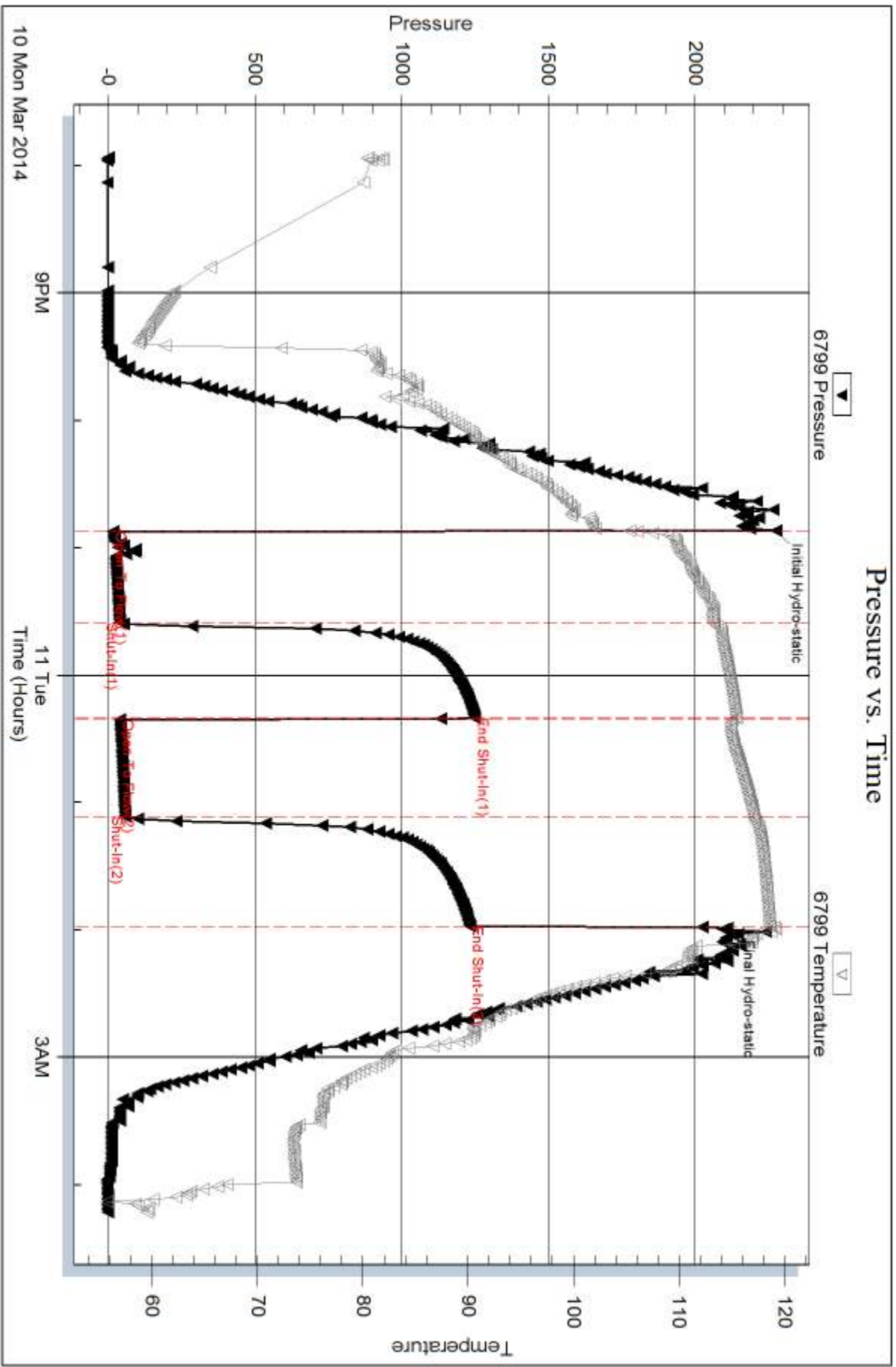
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7400.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
93.00	OCWM, 10%O, 20%W, 70%M	0.457

Total Length: 93.00 ft Total Volume: 0.457 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

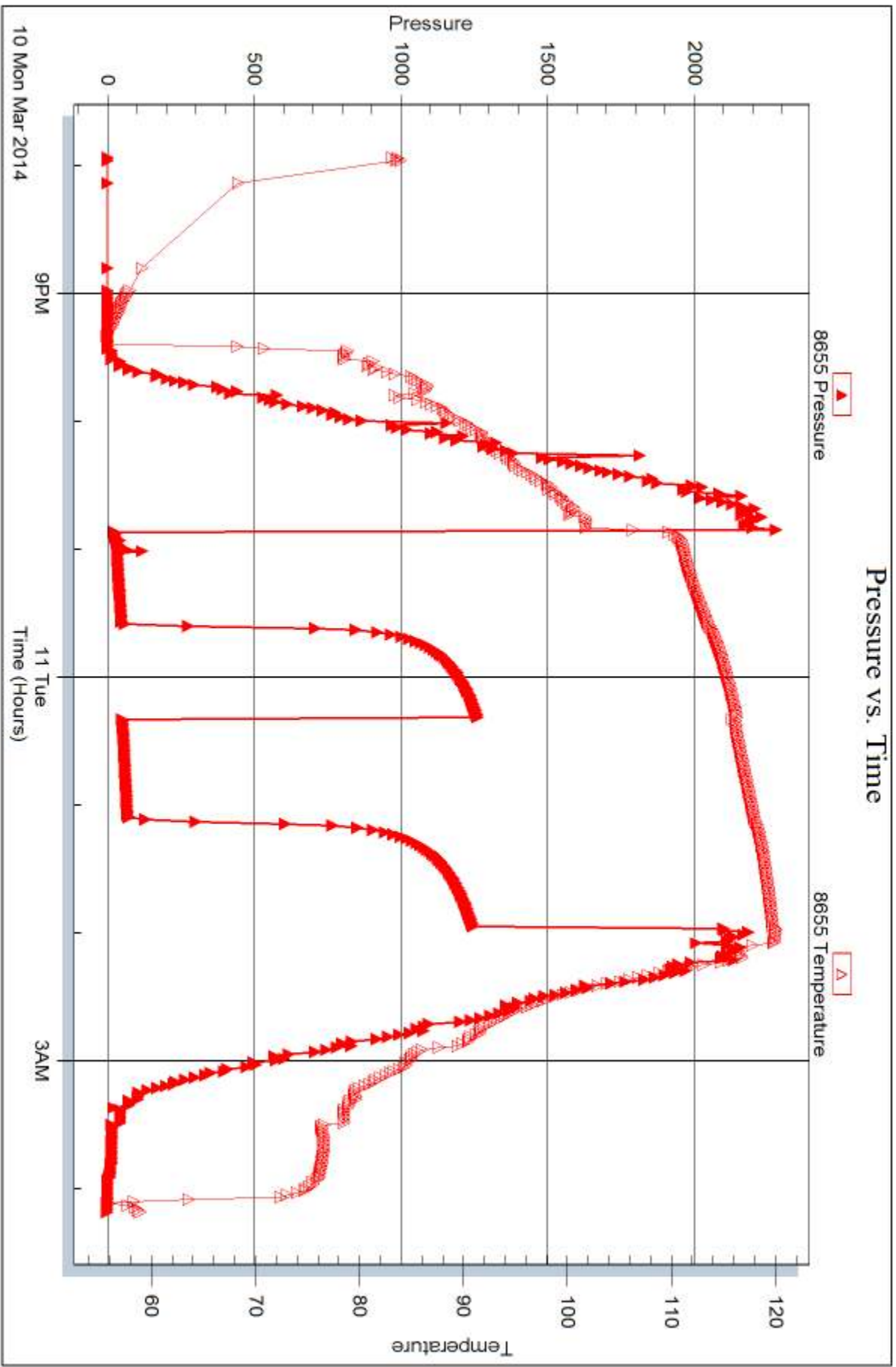


Serial #: 8655

Outside American Warrior Inc

Ben Hinnergardt #4

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56088

Well Name & No. Ben Hinnergardt #4 Test No. 1 Date 3-10-14
 Company American Warrior Inc Elevation 2240 KB 2234 GL
 Address 3118 Cummings Rd, Po Box 399, Garden City KS, 67846
 Co. Rep / Geo. Jason Alm Rig Petromark
 Location: Sec. 12 Twp. 20s Rge. 21w Co. _____ State KS

Interval Tested 4364-4378 Zone Tested Mississippi
 Anchor Length 14' Drill Pipe Run 4218' Mud Wt. 9.4
 Top Packer Depth 4358 Drill Collars Run 120' Vis 54
 Bottom Packer Depth 4364 Wt. Pipe Run — WL 8.0
 Total Depth 4378 Chlorides 7,400 ppm System LCM —
 Blow Description IF - 1/4" blow
ISI - No return
FF - Weak Surface blow
FSI -

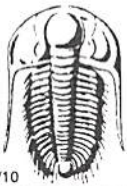
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Mud with oil on top</u>	<u>1</u>		<u>99</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30' BHT 113° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2241</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>0911</u>
(B) First Initial Flow <u>16</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0942</u>
(C) First Final Flow <u>21</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1226</u>
(D) Initial Shut-In <u>1264</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>135.46</u>
(E) Second Initial Flow <u>21</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1529</u>
(F) Second Final Flow <u>24</u>	<input checked="" type="checkbox"/> Mileage <u>120</u> <u>RT</u> <u>186</u>	Comments _____
(G) Final Shut-In <u>—</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2168</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Flow <u>10</u>	<input type="checkbox"/> Day Standby _____	Total <u>1761</u>
Final Shut-In <u>Pull</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1761</u>	

Approved By _____ Our Representative Cody B. Bedon

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. 56089

4/10

Well Name & No. Ben Hinnergardt #4 Test No. 2 Date 3-10-14
 Company American Warrior INC Elevation 2240 KB 2234 GL
 Address Po Box 399, Garden City KS, 67846
 Co. Rep / Geo. Jason Alm Rig Petromark #1
 Location: Sec. 12 Twp. 20s Rge. 21w Co. Ness State KS

Interval Tested 4375-4385 Zone Tested Mississippi
 Anchor Length 10' Drill Pipe Run 4249' Mud Wt. 9.4
 Top Packer Depth 4370 Drill Collars Run 120' Vis 54
 Bottom Packer Depth 4375 Wt. Pipe Run — WL 8:0
 Total Depth 4385 Chlorides 7,400 ppm System LCM —
 Blow Description IF - 1 3/4" blow
ISI - Surface return
FF - 1/2" blow
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>93</u>	<u>800W</u>	<u>10</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	Feet of	%gas	%oil	%water	%mud

Rec Total 93' BHT — Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2275</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>1934</u>
(B) First Initial Flow <u>15</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1956</u>
(C) First Final Flow <u>38</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2252</u>
(D) Initial Shut-In <u>1251</u>	<input type="checkbox"/> Circ Sub <u>—</u>	T-Pulled <u>0152</u>
(E) Second Initial Flow <u>39</u>	<input type="checkbox"/> Hourly Standby <u>—</u>	T-Out <u>0413</u>
(F) Second Final Flow <u>56</u>	<input checked="" type="checkbox"/> Mileage <u>120RT</u> <u>186</u>	Comments <u>—</u>
(G) Final Shut-In <u>1234</u>	<input type="checkbox"/> Sampler <u>—</u>	<input type="checkbox"/> Ruined Shale Packer <u>—</u>
(H) Final Hydrostatic <u>2111</u>	<input type="checkbox"/> Straddle <u>—</u>	<input type="checkbox"/> Ruined Packer <u>—</u>
Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer <u>—</u>	<input type="checkbox"/> Extra Copies <u>—</u>
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer <u>—</u>	Sub Total <u>0</u>
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder <u>—</u>	Total <u>1761</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby <u>—</u>	MP/DST Disc't <u>—</u>
	<input type="checkbox"/> Accessibility <u>—</u>	
	Sub Total <u>1761</u>	

Approved By _____

Our Representative Cody Blak

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.



Services, Inc.

TICKET 25457

CHARGE TO: **Amesbury Wastewater Tr.**
 ADDRESS:
 CITY, STATE, ZIP CODE:

PAGE 1 OF 2

SERVICE LOCATIONS: 1. **Amesbury, KS**
 2. **4145**
 3. **4145**
 4. **REFERRAL LOCATION**

WELL/PROJECT NO: **414**
 LEASE: **Bed Hubs**
 COUNTY/PARISH: **Ness**
 STATE: **KS**
 CITY: **Amesbury**
 DATE: **3-11-14**
 OWNER: **Same**

TICKET TYPE: **SALES**
 CONTRACTOR: **Petro Max Data #1**
 RIG NAME/NO.:
 SHIPPED: **WCT**
 DELIVERED TO: **Amesbury**
 ORDER NO.:

WELL TYPE: **Oil**
 WELL CATEGORY: **Development**
 JOB PURPOSE: **5 1/2" Construction**
 WELL PERMIT NO.:
 WELL LOCATION: **Block 4E 8S, 2E, 3/8S, W**

INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE # 111	20	MC	4387	R	6.00	120.00
578		1			Pump Charge	1	208	4387	R	1500.00	1500.00
221		1			Lease Well	2	GM			25.00	50.00
281		1			Mudflush	500	GM			1.25	625.00
402		1			Chemicals	5	SA	5th	"	70.00	350.00
403		1			Cement Basters	2	EA			300.00	600.00
404		1			Part Couer Toats # 73	1	SA	1429	R	2900.00	2900.00
406		1			Latex Down Plug Baffle	1	SA			275.00	275.00
407		1			Isoset floor Spine w/ Auto Fall	1	SA			375.00	375.00
419		1			Arctic Hubs Rental	1	208			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 **Scott**
 DATE SIGNED: **3-11-14** TIME SIGNED: **1230**
 SWIFT OPERATOR: **Wayne Johnson**

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

SURVEY	AGREE	UN-DECEID	DIS-AGREE	PAGE TOTAL #1	TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
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 type="checkbox"/> YES	<input type="checkbox"/> NO			
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					
TOTAL				12,435	35

Thank You!

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES



Swanton, Inc

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

TICKET CONTINUATION

TICKET No. 25457

CUSTOMER: AMERICAN WAREHOUSE INC
WELL: BSA HAWKESBENT # 4
DATE: 3-11-14
PAGE 2 OF 2

Line No.	Description	EA	WT	TON	DATE	PRICE	TOTAL
325	STANDARD GEMST	1	175.500			14.50	2537.50
276	FLOCELL	1	50.000			2.50	125.00
283	SALT	1	900.000			1.20	180.00
284	GIBSAL	1	8.500			35.00	280.00
292	WADA-300	1	125.000			8.00	1000.00
290	D-ADR	1	3.600			42.00	126.00
581	SERVICE CHARGE	1				2.00	350.00
582	TOTAL WEIGHT		1832.5			250.00	250.00
	LOADED MILES		20				
	CUBIC FEET		175				
	TON MILES		183.25				
GRAND TOTAL							4848.50

JOB LOG

SWIFT Services, Inc.

DATE 3-11-11 PAGE NO. 1

CUSTOMER AMERICAN WARRIOR INC WELL NO. # 4 LEASE BEN HEINBERGARDT JOB TYPE 5 1/2" LONGSTRETCH TICKET NO. 25457

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1200							ON LOCATION
	1430							START 5 1/2" CASING IN WELL
								TD-4388 SET = 4387
								TP-4392 S/L # 15.5
								ST-43'
								CENTRALIZAS - 1, 2, 3, 4, 72
								CMT BSWTS - 5, 73
								POOR COLUMN = 1429 TOBIT # 73
	1735							DROP BALL - CIRCULATE ROTATE
	1805	6	12		✓		450	PUMP 500 GAL MUD FLUSH
	1807	6	20		✓		450	PUMP 20 BBL VCL FLUSH
	1812		7					PLUG RH (30 SKS)
	1815	4	35		✓		250	MIX CEMENT - 145 SKS FA-2 @ 15.4 PPG
	1825							WASH OUT PUMP LINES
	1825							RELEASE LATCH DOWN AUG
	1830	7	0		✓			DISPLACE PLUG
	1845	6	103.5				1500	PLUG DOWN - PST UP LATCH IN AUG
	1847						OK	RELEASE PST - HELD
								WASH TRUCK
	1930							JOB COMPLETE

THANK YOU
WAYNE, ALIX, CRAIG



Services, Inc.

TICKET 26193

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

PAGE 1 OF 1

SERVICE LOCATIONS: Ness City, KS

WELL/PROJECT NO: #4

LEASE: Ben Hindergart

COUNTY/PARISH: Ness

STATE: KS

CITY: Bazine

DATE: 4-4-11

OWNER: Scarce

TICKET TYPE: SERVICE

CONTRACTOR: HHD Oilfield

RIG NAME/NO: # 11

ORDER NO:

WELL TYPE: O-I

WELL CATEGORY: Cement

JOB PURPOSE: Cement 5 1/2 Port Collar

WELL LOCATION: Bazine KS - 4 1/2 BS, 2 1/2 BS W/40

INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE			30	mi	6.00	180.00
575					Trk #115						
575					Pump Charge - Port Collar	1	job			1500.00	1500.00
330					SMB Cement			120	lbs	18.00	2160.00
276					Flare	1/4	lb	30	lbs	2.00	75.00
290					D-Air			2	gal	42.00	84.00
104					Port Collar Tool Rental	1	job			250.00	250.00
102					Retrievable Bridge Plug Rental	1	job			1200.00	1200.00
0561					Service Charge Cement			200	lbs	2.00	400.00
583					Drayage			298	lbm	1.00	298.00

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: 4-4-11

TIME SIGNED: 2:15 P.M.

SWIFT OPERATOR: David Kelley

REMIT PAYMENT TO:

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

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? YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 6207

TOTAL: 6443

TAX: 235.48

7.5% TAX: 6.15%

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 6-21-14 PAGE NO. 7

CUSTOMER American Warrior WELL NO. 24 LEASE Ben Hindergart JOB TYPE Cement 5 1/2" Port Collar TICKET NO. 26193

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1200							on Location
								rig spotting sand 1sk 2 3/4" 5 1/2" PC-1429 RBP-3560 200 sks SMD w/ 1/4" Floccide
	1315	Ø	Ø				1000	test Plug Hold
								open Port Collar
	1330	3	5				400	injection Rate
	1335	3 1/2	66				400	mix 120 sks SMD @ 11.2 mg circulate Cement to pit 15 sks
	1400	Ø	Ø				1000	close Port Collar Hold
	1410							Run 5 Jts
	1410	3	20				350	reverse cement clean wash up trucks
	1500	2	25				200	reverse sand off plug
	1530							Job complete

Thank You
Dave Juan Wong

Geological Report

American Warrior, Inc.
Ben Hinnergardt #4
2310' FNL & 1700' FEL
Sec. 12 T20s R21w
Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Ben Hinnergardt #4
2310' FNL & 1700' FEL
Sec. 12 T20s R21w
Ness County, Kansas
API # 15-135-25744-0000

Drilling Contractor: Petromark Drilling, LLC. Rig #1

Geologist: Jason T Alm

Spud Date: March 3, 2014

Completion Date: March 11, 2014

Elevation: 2234' Ground Level
2240' Kelly Bushing

Directions: Bazine KS, 4 mi East on Hwy 96 to the HH Rd. 8
mi. South to 50 Rd. East 2 mi. to County Line Rd.
½ mi. South, West into location.

Casing: 223' 8 5/8" surface casing
4387' 5 1/2" production casing

Samples: 10' wet and dry, 4050' to RTD

Drilling Time: 3700' to RTD

Electric Logs: None

Drillstem Tests: Two, Trilobite Testing, Inc. "Cody Bloedorn"

Problems: None

Remarks: None

Formation Tops

	American Warrior, Inc. Ben Hinnergardt #4 Sec. 12 T20s R21w 2310' FNL & 1700' FEL
Formation	
Anhydrite	1438', +802
Base	1465', +775
Heebner	3751', -1511
Lansing	3799', -1559
BKc	4135', -1895
Pawnee	4260', -2020
Fort Scott	4285', -2045
Cherokee	4303', -2063
Mississippian	4360', -2120
RTD	4388', -2148

Sample Zone Descriptions

Mississippian Osage (4360', -2120): Covered in DST #1,2

Δ – Dolo – Fine sucrosic crystalline with fair inter-crystalline, very heavy slightly triptolic chert with fair to good vuggy porosity, light to good oil stain and saturation, fair show of free oil, good odor, fair to good spotted yellow fluorescents, 30-55 units hotwire.

Drill Stem Tests
Trilobite Testing, Inc.
"Cody Bloedorn"

DST #1

Mississippian Osage

Interval (4364' – 4378') Anchor Length 14'

IHP	– 2242 #	
IFP	– 30" – Built to ¼ in.	16-21 #
ISI	– 30" – Dead	1264 #
FFP	– 10" – V.W.S.B.	21-24 #
FHP	– 2169 #	
BHT	– 113°F	

Recovery: 30' SOCM 1% Oil

DST #5

Mississippian Osage

Interval (4375' – 4385') Anchor Length 10'

IHP	– 2275 #	
IFP	– 45" – Built to 1 ¾ in.	15-39 #
ISI	– 45" – W.S.B.	1252 #
FFP	– 45" – Built to ½ in.	39-57 #
FSI	– 45" – Dead	1234 #
FHP	– 2111 #	
BHT	– 119°F	

Recovery: 93' OCWM 10% Oil, 20% Water

Structural Comparison

Formation	American Warrior, Inc. Ben Hinnergardt #4 Sec. 12 T20s R21w 2310' FNL & 1700' FEL	American Warrior, Inc. Ben Hinnergardt #3 Sec. 12 T20s R21w 1750' FNL & 1275' FEL	National Oil Co. Ben Hinnergardt #1 Sec. 12 T20s R21w C SE NE	NA NA (+9) (+9) NA NA (+8) NA (+14)
Anhydrite	1438', +802	1436', +800	NA	NA
Base	1465', +775	1462', +774	NA	NA
Heebner	3751', -1511	3748', -1512	3748', -1520	(+9)
Lansing	3799', -1559	3796', -1560	3794', -1566	(+9)
BKc	4135', -1895	4133', -1897	NA	NA
Pawnee	4260', -2020	4260', -2024	NA	NA
Fort Scott	4285', -2045	4285', -2049	4285', -2057	(+8)
Cherokee	4303', -2063	4304', -2068	NA	NA
Mississippian	4360', -2120	4385', -2149	4362', -2134	(+14)

Summary

The location for the Ben Hinnergardt #4 was found via 3-D seismic survey. The new well ran structurally higher than expected. 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 ½ inch production casing to further evaluate the Ben Hinnergardt #4 well.

Recommended Perforations

Mississippian Osage (4360' – 4385') DST #1,2

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.

