



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1251598
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
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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

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: _____



1251598

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
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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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Hinnergardt 4-12
Doc ID	1251598

Tops

Name	Top	Datum
Anhydrite	1457	794
Heebner	3776	-1525
Lansing	3824	-1573
Base Kansas City	4153	-1902
Pawnee	4283	-2032
Ft. Scott	4309	-2058
Cherokee	4326	-2075
Mississippian	4386	-2135
TD	4403	-2152



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Jason T Alm

Hinnergardt #4-12

12 20s 21w Ness,KS

Start Date: 2015.03.16 @ 19:44:00

End Date: 2015.03.17 @ 00:49:00

Job Ticket #: 62376 DST #: 1

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

Printed: 2015.03.18 @ 09:19:08



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

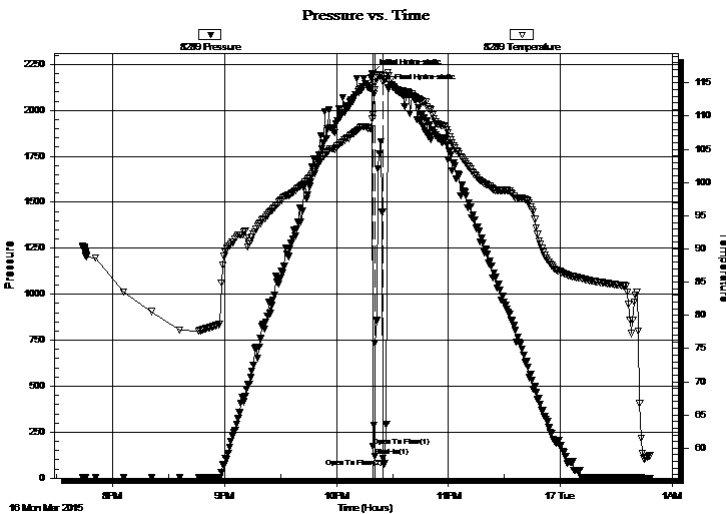
12 20s 21w Ness,KS
Hinnergardt #4-12
Job Ticket: 62376 **DST#: 1**
Test Start: 2015.03.16 @ 19:44:00

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 22:19:30 Tester: Jim Svaty
Time Test Ended: 00:49:00 Unit No: 76
Interval: 4390.00 ft (KB) To 4400.00 ft (KB) (TVD) Reference Elevations: 2251.00 ft (KB)
Total Depth: 4400.00 ft (KB) (TVD) 2243.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8289 Outside
Press@RunDepth: psig @ 4392.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.03.16 End Date: 2015.03.17 Last Calib.: 2015.03.17
Start Time: 19:44:02 End Time: 00:48:00 Time On Btm: 2015.03.16 @ 22:19:15
Time Off Btm: 2015.03.16 @ 22:27:30

TEST COMMENT: Packers Failed in 7min. Miss-Run.....



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2201.25	109.57	Initial Hydro-static
1	174.86	110.25	Open To Flow (1)
2	118.50	114.01	Shut-In(1)
6	108.55	115.14	Open To Flow (2)
9	2120.26	116.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
225.00	Mud 100%	2.87

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 T Alm

12 20s 21w Ness, KS
Hinnergardt #4-12
Job Ticket: 62376 **DST#: 1**
Test Start: 2015.03.16 @ 19:44:00

Tool Information

Drill Pipe:	Length: 4341.00 ft	Diameter: 3.80 inches	Volume: 60.89 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 61.04 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4390.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	38.00 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			4363.00	
Shut In Tool	5.00			4368.00	
Hydraulic tool	5.00			4373.00	
Jars	5.00			4378.00	
Safety Joint	2.00			4380.00	
Packer	5.00			4385.00	28.00 Bottom Of Top Packer
Packer	5.00			4390.00	
Stubb	1.00			4391.00	
Perforations	1.00			4392.00	
Recorder	0.00	8789	Inside	4392.00	
Recorder	0.00	8289	Outside	4392.00	
Perforations	5.00			4397.00	
Bullnose	3.00			4400.00	10.00 Bottom Packers & Anchor

Total Tool Length: 38.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

12 20s 21w Ness, KS
Hinnergardt #4-12
Job Ticket: 62376 **DST#: 1**
Test Start: 2015.03.16 @ 19:44:00

Mud and Cushion Information

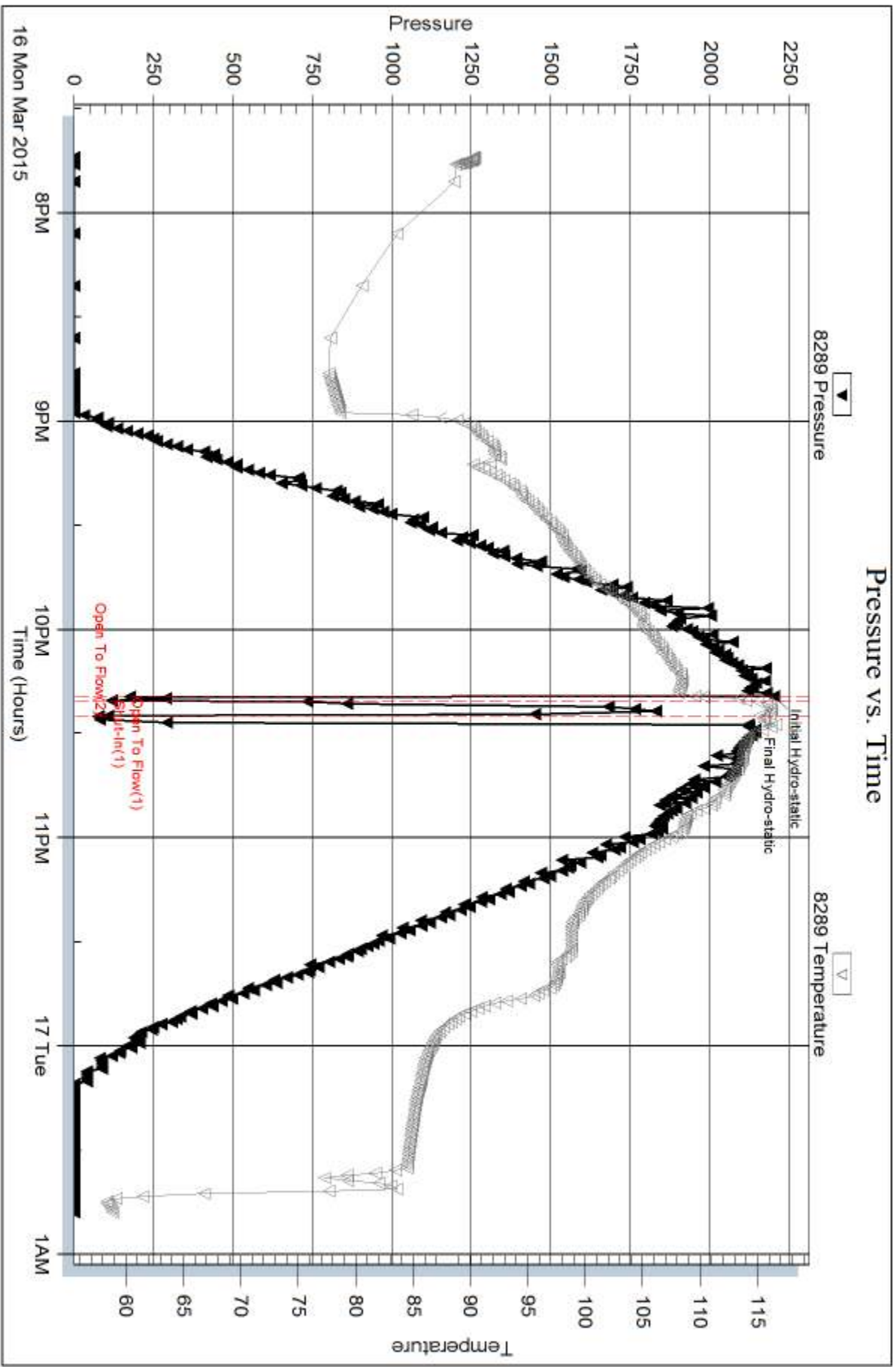
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.76 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5400.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
225.00	Mud 100%	2.874

Total Length: 225.00 ft Total Volume: 2.874 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



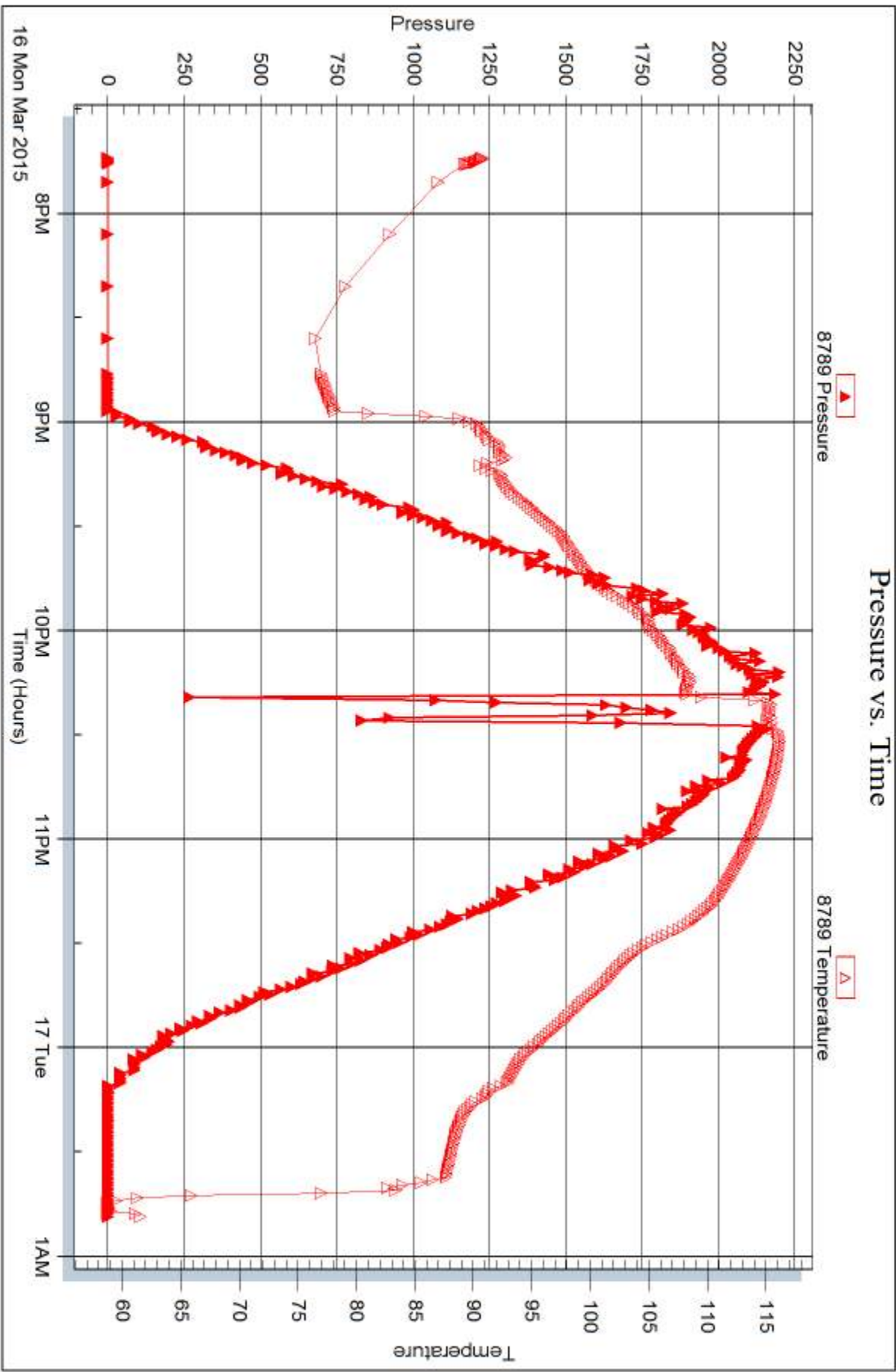
Serial #: 8789

Inside

American Warrior Inc

Hinnergardt #4-12

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Jason T Alm

Hinnergardt #4-12

12 20s 21w Ness,KS

Start Date: 2015.03.17 @ 05:10:00

End Date: 2015.03.17 @ 12:37:00

Job Ticket #: 62377 DST #: 2

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

Printed: 2015.03.18 @ 09:18:16



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

12 20s 21w Ness,KS
Hinnergardt #4-12
Job Ticket: 62377 **DST#: 2**
Test Start: 2015.03.17 @ 05:10:00

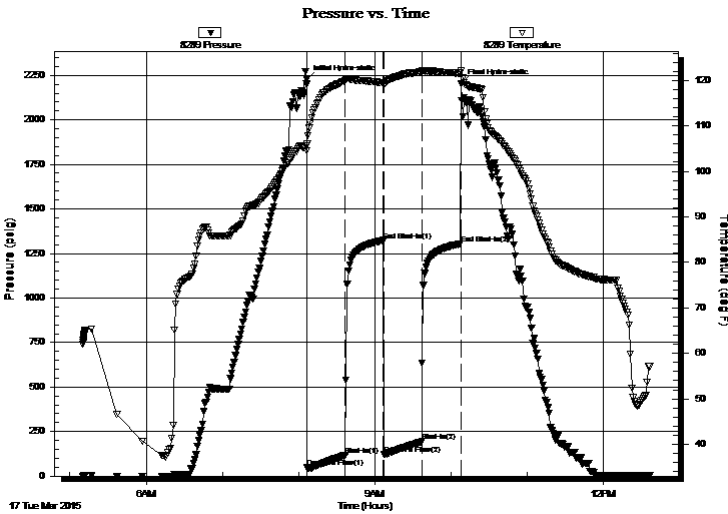
GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:06:45
Time Test Ended: 12:37:00
Interval: **4391.00 ft (KB) To 4400.00 ft (KB) (TVD)**
Total Depth: 4400.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Jim Svaty
Unit No: 76
Reference Elevations: 2251.00 ft (KB)
2243.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8289 Outside
Press@RunDepth: 195.96 psig @ 4392.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.03.17 End Date: 2015.03.17 Last Calib.: 2015.03.17
Start Time: 05:10:02 End Time: 12:37:00 Time On Btm: 2015.03.17 @ 08:06:30
Time Off Btm: 2015.03.17 @ 10:08:00

TEST COMMENT: 30-IF- BOB in 11 min.
30-IS- Surface Blow in 2 min. Building to 1 1/2"
30-FF- BOB in 13 min.
30-FS- Surface Blow in 1 1/2 min. Building to 1 1/2"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2224.42	105.70	Initial Hydro-static
1	48.57	106.09	Open To Flow (1)
31	118.21	119.92	Shut-In(1)
61	1322.50	119.43	End Shut-In(1)
61	120.52	118.82	Open To Flow (2)
91	195.96	121.94	Shut-In(2)
121	1302.35	121.56	End Shut-In(2)
122	2201.61	122.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	MCW 5% m 95% w	1.49
30.00	OMCW 10% o 35% m 55% w	0.42
33.00	MWCO 20% m 40% w 40% o	0.46
247.00	CO 100%	3.46
0.00	189 GIP	0.00

* 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 T Alm

12 20s 21w Ness, KS
Hinnergardt #4-12
Job Ticket: 62377 **DST#: 2**
Test Start: 2015.03.17 @ 05:10:00

Tool Information

Drill Pipe:	Length: 4341.00 ft	Diameter: 3.80 inches	Volume: 60.89 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 61.04 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial	66000.00 lb
Depth to Top Packer:	4391.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	9.00 ft				
Tool Length:	37.00 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			4364.00	
Shut In Tool	5.00			4369.00	
Hydraulic tool	5.00			4374.00	
Jars	5.00			4379.00	
Safety Joint	2.00			4381.00	
Packer	5.00			4386.00	28.00 Bottom Of Top Packer
Packer	5.00			4391.00	
Stubb	1.00			4392.00	
Recorder	0.00	8789	Inside	4392.00	
Recorder	0.00	8289	Outside	4392.00	
Perforations	5.00			4397.00	
Bullnose	3.00			4400.00	9.00 Bottom Packers & Anchor

Total Tool Length: 37.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

12 20s 21w Ness,KS
Hinnergardt #4-12
Job Ticket: 62377 **DST#: 2**
Test Start: 2015.03.17 @ 05:10:00

Mud and Cushion Information

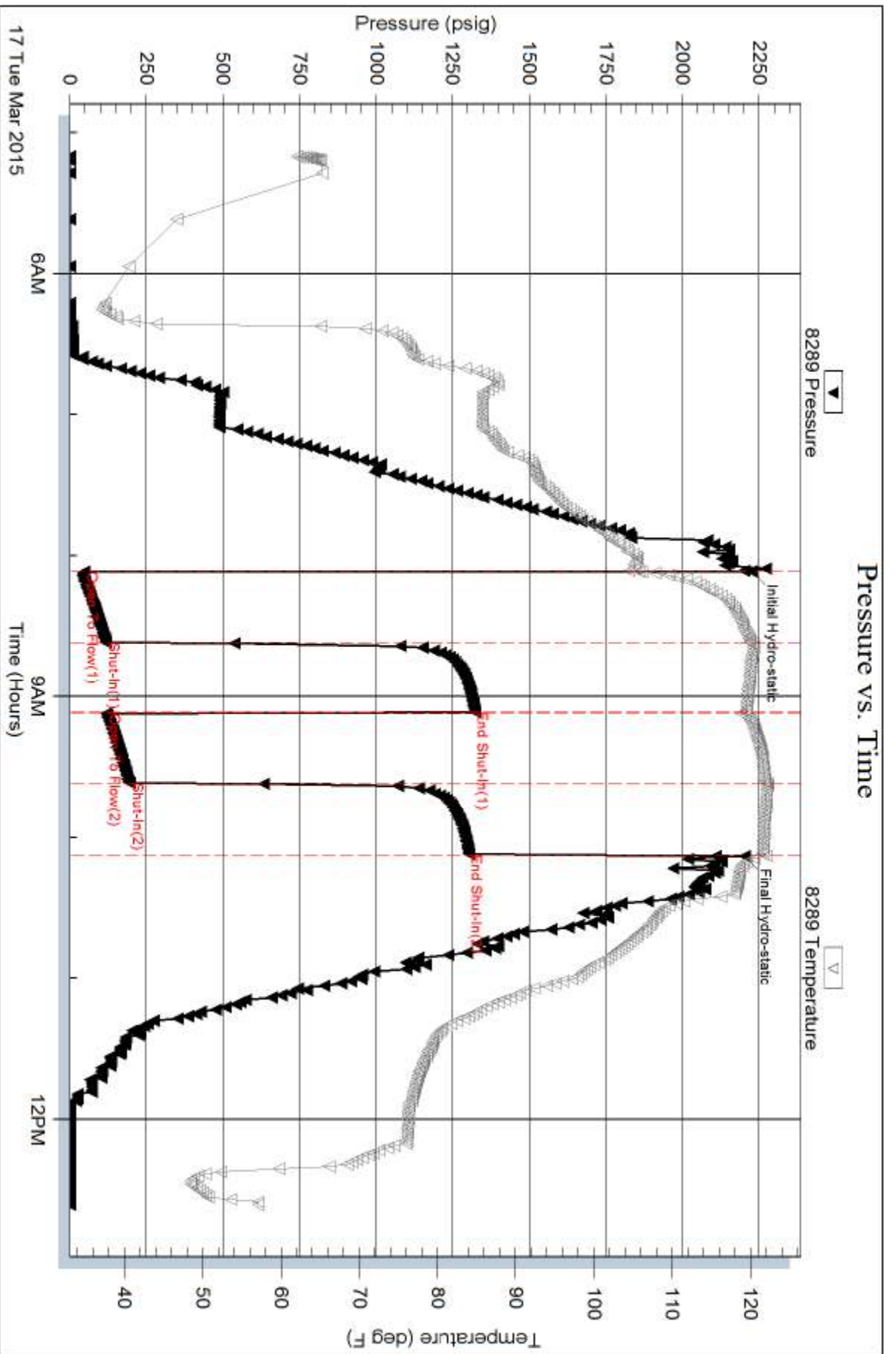
Mud Type: Gel Chem	Cushion Type:	Oil API: 34 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 19000 ppm
Viscosity: 68.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.99 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 5700.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	MCW 5%m 95%w	1.485
30.00	OMCW 10%o 35%m 55%w	0.421
33.00	MWCO 20%m 40%w 40%o	0.463
247.00	CO 100%	3.465
0.00	189 GIP	0.000

Total Length: 436.00 ft Total Volume: 5.834 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: .475 @ 50



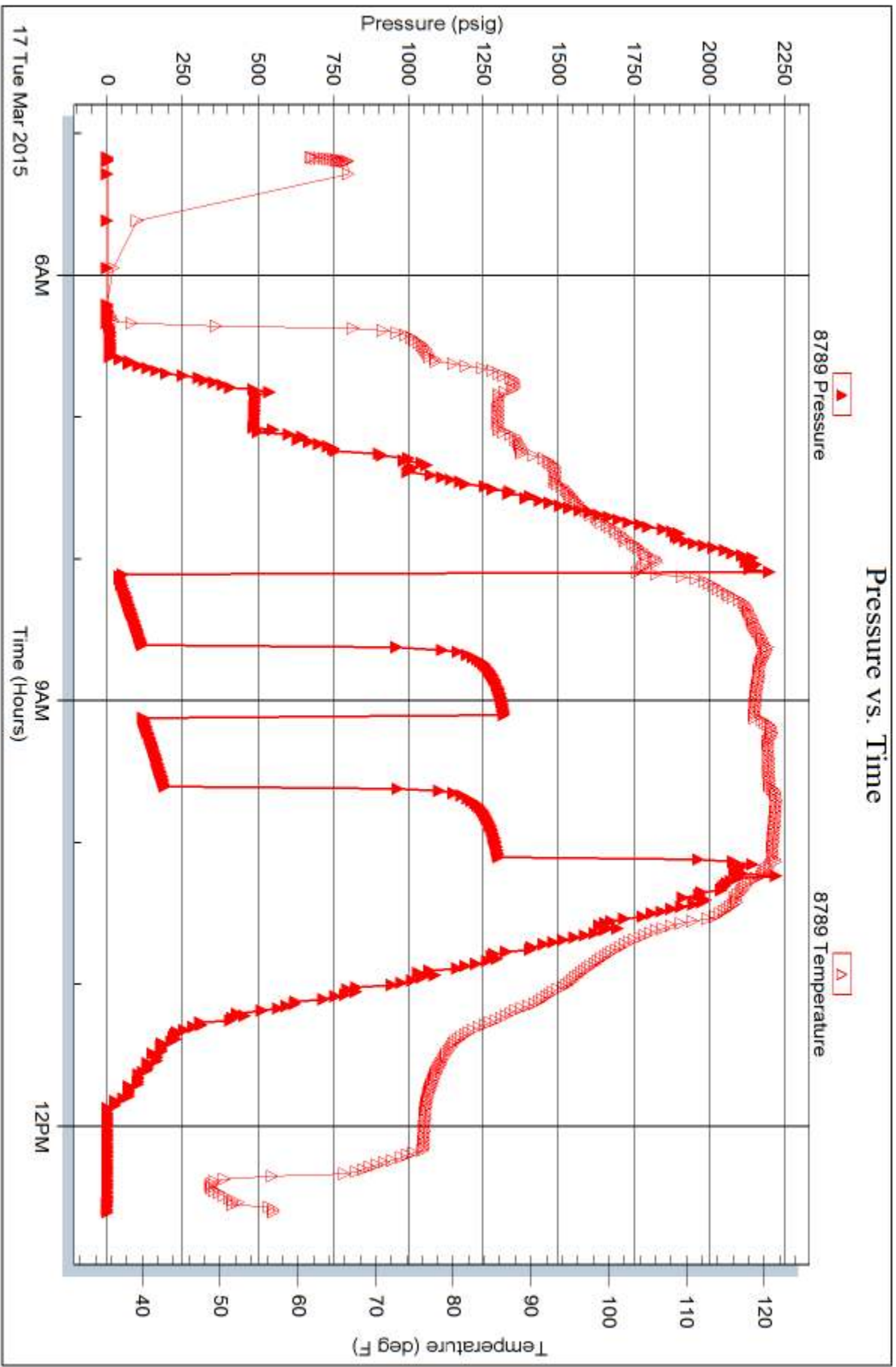
Serial #: 8789

Inside

American Warrior Inc

Hinnergardt #4-12

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 62377

Printed: 2015.03.18 @ 09:18:17



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62376

Well Name & No. Hinnergardt #4-12 Test No. 1 Date 3-16-15
 Company American Warrior, Inc Elevation 2251 KB 2243 GL
 Address 3118 Cummings Rd. Box 399 Garden City KS, 67846
 Co. Rep / Geo. JASON T. ALM Rig Discovery #3
 Location: Sec. 12 Twp. 20^S Rge. 21^W Co. Ness State KS

Interval Tested 4390-4400 Zone Tested Miss.
 Anchor Length 10' Drill Pipe Run 4341 Mud Wt. 9.3
 Top Packer Depth 4385 Drill Collars Run 31 Vis 54
 Bottom Packer Depth 4390 Wt. Pipe Run Ø WL 8.8
 Total Depth 4400 Chlorides 5400 ppm System LCM TR

Blow Description FF - Slid 7ft.
ISI -
FF -
FSI - Miss - But Packers Failed in 7min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>225</u>	<u>mud</u>			<u>100</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 225 BHT 116 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2201 Test 950 T-On Location 17:15
 (B) First Initial Flow 174 Jars 250 T-Started 19:44
 (C) First Final Flow 118 Safety Joint 75 T-Open 22:19
 (D) Initial Shut-In _____ Circ Sub _____ T-Pulled 22:27
 (E) Second Initial Flow 108 Hourly Standby _____ T-Out 00:49
 (F) Second Final Flow _____ Mileage 112 RT 112 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic 2120 Straddle _____

Initial Open _____ Shale Packer _____
 Initial Shut-In _____ Shale Packer _____
 Final Flow _____ Extra Packer _____
 Final Shut-In _____ Extra Recorder _____
 Sub Total 1387 Day Standby _____
 Accessibility _____
 MP/DST Disc't _____

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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62377

Well Name & No. Hinnergard J 4-12 Test No. 2 Date 3-17-15
 Company American Warrior, Inc. Elevation 2251 KB 2243 GL
 Address 3118 Cummings Rd Box 399 Garden City KS, 67846
 Co. Rep / Geo. JASON T. ALM Rig Discovery #3
 Location: Sec. 12 Twp. 20^s Rge. 21^w Co. Ness State KS

Interval Tested 4391-4400 Zone Tested Miss
 Anchor Length 9 Drill Pipe Run 4341 Mud Wt. 9.3
 Top Packer Depth 4386 Drill Collars Run 31 Vis 68
 Bottom Packer Depth 4391 Wt. Pipe Run 0 WL 8.0
 Total Depth 4400 Chlorides 5700 ppm System LCM 0

Blow Description IF- BOB in 11min.
FSI - Surface Blow in 2min. Building to 1 1/2 in.
FF- BOB in 13min.
FSI - Surface Blow in 1 1/2 min. Building to 1 1/2 in.

Rec	Feet of	%gas	%oil	%water	%mud
<u>126</u>	<u>mew</u>		<u>95</u>	<u>5</u>	
<u>30</u>	<u>omcw</u>	<u>10</u>	<u>55</u>	<u>35</u>	
<u>33</u>	<u>mwc0</u>	<u>40</u>	<u>40</u>	<u>20</u>	
<u>247</u>	<u>CO</u>	<u>100</u>			
	<u>189 SIP</u>				

Rec Total 436 BHT 122 Gravity 34 API RW .475 @ 50 °F Chlorides 19000 ppm

(A) Initial Hydrostatic 2224 Test 1150 T-On Location 17:15
 (B) First Initial Flow 48 Jars 250 T-Started 05:10
 (C) First Final Flow 118 Safety Joint 75 T-Open 08:07
 (D) Initial Shut-In 1322 Circ Sub _____ T-Pulled 10:07
 (E) Second Initial Flow 120 Hourly Standby _____ T-Out 12:37

(F) Second Final Flow 195 Mileage N/A
 (G) Final Shut-In 1302 Sampler _____
 (H) Final Hydrostatic 2201 Straddle _____

Ruined Shale Packer _____
 Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Copies _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1475 MP/DST Disc't _____

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.



CHARGE TO: American Lobarier, Inc.
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

TICKET 27000
 PAGE 1 OF 1

SERVICE LOCATIONS
 1. Haverhill WEL/PROJECT NO. 4-12 LEASE HINNEBARDT COUNTY/PARISH Ness STATE KS DATE 3-11-15 OWNER
 2. Atos Oil, Inc CONTRACTOR Discovery Data RIG NAME NO. #3 SHIPPED YES DELIVERED TO SE/Barney H ORDER NO.
 3. WELL TYPE oil WELL CATEGORY in Field JOB PURPOSE Cement Surface WEL PERMIT NO. WELL LOCATION
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

CE SEQUENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575					MILEAGE #113							
576.5					Rings Charge - cur Shalhas Surface							
290					D-Air							
325					Standard Cement							
379					Bentonite							
278					Celestium Chloride							
291					Service Charge - Cement							
582					Minimum Drags							

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 Alan Smith
 DATE SIGNED 3-11-15 TIME SIGNED 1700 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 SATISFACTORIL Y?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 3701.50

TAX

TOTAL

SWIFT OPERATOR Alan Smith APPROVAL _____
 CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.
 Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 3-11-15 PAGE NO. 7

CUSTOMER American Waccina, Inc WELL NO. 4-12 LEASE H Watergardt JOB TYPE Convent Surface TICKET NO. 27055

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1700					23 1/4"	8 5/8"	TD - 224 ON location
	1730							Start 8 5/8" casing to 223'
	1745							Fin run casing
	1750							Rig up & chain down casing
	1800							Fin up.
			5					H ₂ O ahead
			36					Start 150 SPS Stel. Cut, 2 1/2 gal, 2 1/2 C
			13					Fin cut - St Displ
	1830							Fin Displ
								5 BBL cement circulate
								Job Complete
								1 Wash up H ₂ O
								1 Wash up H₂O
								1 Wash up H ₂ O
								1 Wash up H ₂ O



Services, Inc.

CHARGE TO: AMERICAN WARRIOR

TICKET 28432

ADDRESS

PAGE 1 OF 2

SERVICE LOCATION 1. NESS CITY, KS	WELL/PROJECT NO.	LEASE	COUNTY/STATE	STATE	CITY	DATE	OWNER
		HINNERKABT 4-12	NESS	KS	BAZINE, KS.	17 MAR 15	
	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NUMBER	SHIPPED	DELIVERED TO	ORDER NO.	
		DISCOVERY DRILL 3		WA			
	WELL TYPE	WELL CATEGORY	JOB PURPOSE		WELL PERMIT NO.	WELL LOCATION	
	OIL	DEVELOPMENT	S 2 LONGSTRINK			4E, 8S, 13/4E STARD	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.			UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.		
575					MILEAGE #115	25	mi		5.00	125.00
578					PUMP CHARGE	1	JOB		125.00	125.00
402					CENTRALIZERS	5	EA.		60.00	300.00
403					CEMENT BASKETS	2	EA.		250.00	500.00
404					PORT COLLAR	1	EA.		250.00	250.00
406					LATCH DOWN PLUG & BARGE	1	EA.		225.00	225.00
407					FAST SET FLOAT SHOE W/ FLOAT	1	EA.		300.00	300.00
281					MUD FLUSH	500	gal		1.25	625.00
221					LIQUID KEL	2	gal		25.00	50.00

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: 17 MAR 15 TIME SIGNED: 2355 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?
 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?
 CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 5875.75
 TAX: 10147.75
 TOTAL: 16023.50

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

SWIFT OPERATOR: [Signature]

APPROVAL: [Signature]

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 7/MAR/15 PAGE NO.

CUSTOMER AMERICAN WARRIOR

WELL NO.

LEASE HINNERGARDT 4-12

JOB TYPE 5 1/2 LONGSTRING

TICKET NO. 28432

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1850							ON LOCATION
	2015							START PIPE 5 1/2 - 15.5" RTD @ 4403 SHOE JT. 40.03 CENTRALIZERS 1, 2, 3, 4, 76 BASKETS 5, 77 PORT COLLAR 77 @ 1425
	2200				✓			DROP BALL CIRCULATE.
	2250	6	12		✓		300	Pump 500 gal MUD FLUSH
		6	12				300	Pump 20 Bbl KCL SPACER
	2257		7.5					PLUG RH - 30sx MH - 20sx
	2304	4	30		✓			MIX 125sx EA-2
	2313							WASH OUT Pump & LINES.
	2317	6			✓			START DISPLACING PLUG
	2335	0	104		✓		1500	PLUG DOWN - LATCH PLUG IN.
	2338							RELEASE PSI - DRY
	2340							WASH TRUCK
	0000							JOB COMPLETE THANKS # 115 JASON DAVE COLE ROCK



Services, Inc.

CHARGE TO: American West
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

1. SERVICE LOCATIONS: New City KS WELLS/PROJECT NO. 4-12 LEASE Hindagrdt COUNTY/PARISH Now STATE KS CITY Bazine DATE 24 MAR 15 OWNER _____
 2. TICKET TYPE SERVICE CONTRACTOR _____ RIG NAME/NO. _____ SHIPPED DELIVERED TO location ORDER NO. _____
 3. SALES WELLS TYPE oil WELLS CATEGORY H-2-D JOB PURPOSE cement port collar WELLS PERMIT NO. _____ WELLS LOCATION _____
 4. REFERRAL LOCATION _____ INVOICE INSTRUCTIONS _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE	30	mi			5.00	150.00
576D		1			TRK 114	1	hr			1250.00	1250.00
335 330		1			Pump Charger	110	hr			15.75	1732.50
276		1			SMD cement	25	lb			2.05	56.25
290		1			Fibaler	1	gal			42.00	42.00
581		1			D-air	175	hr			1.00	262.50
582		1			Service charge	1	ea			250.00	250.00
104		1			Damaged (min) Port Colkr Tool Rchle	1	hr			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 _____ TIME SIGNED _____
 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?
 CUSTOMER DID NOT WISH TO RESPOND
 PAGE TOTAL 3943 TAX 124 TOTAL 4068
 SWIFT OPERATOR Rebill APPROVAL _____
 CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES _____
 Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 24 APR 15 PAGE NO. 1

CUSTOMER American Warrior WELL NO. 4-12 LEASE Hindorgardt JOB TYPE cement port collar TICKET NO. 28353

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sk SWD cement w/ 1/4" floccle 2 3/8" x 5 1/2" Port collar - 1425'
	1000							on loc TRK 114 Running tubing
	1100					1000	1000	test to 1000psi - hold
	1104							op on port collar
		3 1/2	2			500		inj rate 3 1/2 bpm @ 500psi
	1108	3 1/2				500		mix SWD cement @ 11.2 ppg
		3 1/2	4			500		fluid to surface
	1130	3 1/2	28			500		— cement to surface —
								{ 10 sk mixed 15 to pit }
			5			1000	1000	Displace w/ 5 bbl H ₂ O close port collar test to 1100 - hold
	1135							Run 4 joints
	1140		25					Reverse out hole clean - 2 cement flags -
								Wash truck Pull to C Pack up
	1225							job complete
								Thru blaine fluid casing

Geological Report

American Warrior, Inc.
Hinnergardt #4-12
1480' FNL & 1200' FWL
Sec. 12 T20s R21w
Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Hinnergardt #4-12
1480' FNL & 1200' FWL
Sec. 12 T20s R21w
Ness County, Kansas
API # 15-135-25851-0000

Drilling Contractor: Discovery Drilling Rig #3

Geologist: Jason T Alm, D.J. Rebel

Spud Date: March 9, 2015

Completion Date: March 17, 2015

Elevation: 2243' Ground Level
2251' Kelly Bushing

Directions: Bazine KS, 4 mi East on Hwy 96 to the HH Rd. 8
mi South to 50 Rd. East 1 ½ mi, South into location.

Casing: 222' 8 5/8" surface casing
4402' 5 1/2" production casing

Samples: 10' wet and dry, 4000' to RTD

Drilling Time: 3700' to RTD

Electric Logs: None

Drillstem Tests: Two, Trilobite Testing, Inc. "Jim Svaty"

Problems: Test tool slid to bottom during DST #1. Resulted in
a mis-run

Remarks: After DST #1 hole was swept clean and DST #2
went to bottom without any problems.

Formation Tops

	American Warrior, Inc. Hinnergardt #4-12 Sec. 12 T20s R21w 1480' FNL & 1200' FWL
Formation	
Anhydrite	1457', +794
Base	1484', +767
Heebner	3776', -1525
Lansing	3824', -1573
BKc	4153', -1902
Pawnee	4283', -2032
Fort Scott	4309', -2058
Cherokee	4326', -2075
Mississippian	4386', -2135
RTD	4403', -2152

Sample Zone Descriptions

Mississippian Osage (4386', -2135): **Covered in DST #1, 2**

Δ – White, weathered with good scattered vuggy porosity, light to fair oil stain with light scattered saturation in porosity, slight show of free when broken, scattered fine crystalline dolomite with good oil stain, fair odor, good white to yellow fluorescents.

Drill Stem Tests
Trilobite Testing, Inc.
"Jim Svaty"

DST #1 Mississippian Osage

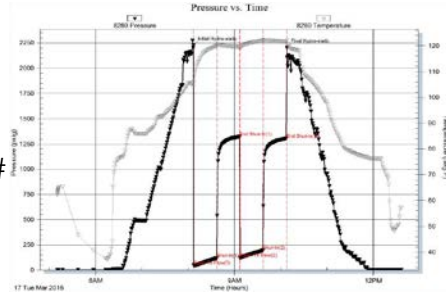
Interval (4390' – 4400') Anchor Length 10'
Mis-Run

Recovery: 225' Mud

DST #2 Mississippian Osage

Interval (4391' – 4400') Anchor Length 9'

IHP – 2224 #
IFP – 30" – B.O.B. 11 min. 48-118 #
ISI – 30" – Built to 1 ½ in. 1323 #
FFP – 30" – B.O.B. 13 min. 121-196 #
FSI – 30" – Built to 1 ½ in. 1302 #
FHP – 2202 #
BHT – 122°F



Recovery: 189' GIP
 247' GCO
 33' MWCO 40% Oil, 40% Water
 30' OMCW 10% Oil, 55% Water
 126' MCW 95% Water

Structural Comparison

	American Warrior, Inc. Hinnergardt #4-12 Sec. 12 T20s R21w 1480' FNL & 1200' FWL	American Warrior, Inc. Hinnergardt #1-12 Sec. 12 T20s R21w 690' FNL & 1530' FWL		Hinnergardt B #1 Pickrell Oil Co. Sec. 12 T20s R21w C SE NW 1440', +800	
Formation					
Anhydrite	1457', +794	1455', +800	(-6)	1440', +800	(-6)
Base	1484', +767	NA	NA	NA	NA
Heebner	3776', -1525	3784', -1526	(+1)	3759', -1519	(-6)
Lansing	3824', -1573	3833', -1578	(+5)	3810', -1570	(-3)
BKc	4153', -1902	NA	NA	NA	NA
Pawnee	4283', -2032	4293', -2038	(+6)	NA	NA
Fort Scott	4309', -2058	4320', -2065	(+7)	4305', -2065	(+7)
Cherokee	4326', -2075	4335', -2080	(+5)	NA	NA
Mississippian	4386', -2135	4397', -2142	(+7)	4379', -2139	(+4)

Summary

The location for the Hinnergardt #4-12 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 ½ inch production casing to further evaluate the Hinnergardt #4-12 well.

Recommended Perforations

Primary:

Mississippian Osage

(4386' – 4400')

DST #2

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.

