



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1205303
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: _____

1205303

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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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	SNS 1-7
Doc ID	1205303

Tops

Name	Top	Datum
Anhydrite	1437	804
Heebner	3755	-1514
Lansing	3806	-1565
Base Kansas City	4138	-1897
Pawnee	4266	-2025
Ft. Scott	4296	-2055
Cherokee	4311	-2070
Mississippian	4375	-2134
TD	4388	-2147

Geological Report

American Warrior, Inc.

SNS #1-7

2430' FNL & 770' FWL

Sec. 7 T20s R20w

Pawnee County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
SNS #1-7
2430' FNL & 770' FWL
Sec. 7 T20s R20w
Ness County, Kansas
API # 15-145-21748-0000

Drilling Contractor: Petromark Drilling, LLC. Rig #1

Geologist: Jason T Alm

Spud Date: March 17, 2014

Completion Date: March 24, 2014

Elevation: 2235' Ground Level
2241' 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, East into location.

Casing: 222' 8 5/8" surface casing

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

Drilling Time: 3700' to RTD

Electric Logs: None

Drillstem Tests: One, Trilobite Testing, Inc. "Bob Hamel"

Problems: None

Remarks: None

Formation Tops

Formation	American Warrior, Inc. SNS #1-7 Sec. 7 T20s R20w 2310' FNL & 1700' FEL
Anhydrite	1437', +804
Base	1465', +776
Heebner	3755', -1514
Lansing	3806', -1565
BKc	4138', -1897
Pawnee	4266', -2025
Fort Scott	4296', -2055
Cherokee	4311', -2070
Mississippian	4375', -2134
RTD	4388', -2147

Sample Zone Descriptions

Mississippian Osage (4375', -2134): Covered in DST #1

Δ – Dolo – Fine sucrosic crystalline with poor to fair inter-crystalline and vuggy porosity, very heavy slightly triptolic chert, mostly fresh with good vuggy porosity, light to fair oil stain in porosity, fair show of free oil, good odor, fair scattered fluorescents, 15 units hotwire.

Drill Stem Tests

Trilobite Testing, Inc.
“Bob Hamel”

DST #1

Mississippian Osage

Interval (4379' – 4388') Anchor Length 9'

IHP	– 2264 #	
IFP	– 45” – B.O.B. 21 min.	26-135 #
ISI	– 45” – Dead	1320 #
FFP	– 45” – B.O.B. 26 min.	138-211 #
FSI	– 45” – Dead	1305 #
FHP	– 2161 #	
BHT	– 124°F	

Recovery:	25' Clean Oil	
	43' OCW	10% Oil, 90% Water
	435' MW	90% Water

Structural Comparison

	American Warrior, Inc. SNS #1-7 Sec. 7 T20s R20w 2310' FNL & 1700' FEL	American Energies Corp. Smith #1 Sec. 7 T20s R20w C SW NW		American Energies Corp. Smith A #1 Sec. 7 T20s R20w C NW SW	
Formation					
Anhydrite	1437', +804	1436', +801	(+3)	1424', +808	(-4)
Base	1465', +776	NA	NA	NA	NA
Heebner	3755', -1514	3756', -1519	(+5)	3744', -1512	(-2)
Lansing	3806', -1565	3802', -1565	FL	3793', -1561	(-4)
BKc	4138', -1897	NA	NA	NA	NA
Pawnee	4266', -2025	NA	NA	NA	NA
Fort Scott	4296', -2055	NA	NA	4285', -2053	(-2)
Cherokee	4311', -2070	NA	NA	4303', -2071	(+1)
Mississippian	4375', -2134	4368', -2131	(-3)	4362', -2130	(-4)

Summary

The location for the SNS #1-7 was found via 3-D seismic survey. The new well ran structurally as expected. One drill stem test was conducted which was negative. After all gathered data had been examined the decision was made to plug and abandon the SNS #1-7 well.

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.

ALLIED OIL & GAS SERVICES, LLC 062693

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Glenn Bond KS

DATE <u>3-24-14</u>	SEC. <u>7</u>	TWP. <u>20S</u>	RANGE <u>20W</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30</u>	JOB FINISH <u>8:30</u>
LEASE <u>SNS</u>	WELL # <u>1-7</u>	LOCATION <u>Bazine E 1/2 HR 500 500</u>			COUNTY <u>Polk</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>		<u>2E 1/2 S E 1170</u>					

CONTRACTOR PerisMark Drilling #1 OWNER _____
 TYPE OF JOB R2T24 Plus
 HOLE SIZE 7 7/8 T.D. _____
 CASING SIZE 4 5/8 DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 DEPTH 1470
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. All
 PERFS. _____
 DISPLACEMENT Freshwater / Negative mud

CEMENT AMOUNT ORDERED 200 SKS 60T
Class A 4104.022 4.1 gel 1/4 flt

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

TOTAL _____

EQUIPMENT

PUMP TRUCK CEMENTER Dustin Chambers
 # 366 HELPER Josh Ellis
 BULK TRUCK
 # 610-170 DRIVER Kevin Weighaus
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:
fill hole with Big mud
1. 1470 - 50 SKS
2. 490 - 50 SKS
3. 250 - 50 SKS
4. 60 - 20 SKS
5. BH - 30 SKS
Plug Down 8:30 pm

CHARGE TO: American Warrior
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE _____ @ _____
 MILEAGE _____ @ _____
 MANIFOLD _____ @ _____
 _____ @ _____
 _____ @ _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

_____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____

TOTAL _____

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

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

PRINTED NAME x KENNETH ROACH
 SIGNATURE x Kenneth C. Roach
Thank You!!

Date 3/24/14 District Great Bend, KS Ticket No. 67693
 Company American Energy Rig POTIOMAC
 Lease SIVS Well No. F7
 County Polk State KS
 Location Bozine HHRD 540 Field _____
50-41 2E V25 E140

CEMENT DATA:
 Spacer Type: Fresh water
 Amt. _____ Sks Yield _____ ft³/sk Density 9.24 PPG

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size _____ Type _____ Weight _____ Collar _____

LEAD: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

TAIL: Pump Time _____ hrs. Type 60% class A
407-p12 4.9 gal 1/4 fls Excess _____
 Amt. _____ Sks Yield 1.41 ft³/sk Density 14.5 PPG

Casing Depths: Top _____ Bottom _____

WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.
 Pump Trucks Used: 266-7256 E
 Bulk Equip. - Kevin W

Drill Pipe: Size 4 1/2 Weight 16.6 Collars _____
 Open Hole: Size 7 7/8 T.D. _____ ft. P.B. to _____ ft.

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 10637 Lin. ft./Bbl. 15.70
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. 10142 Lin. ft./Bbl. 7232
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type Freshwater Amt. _____ Bbls. Weight 9.37 PPG
 Mud Type None Weight 9.2 PPG

COMPANY REPRESENTATIVE _____

CEMENTER Dustin C

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
6:30 pm						ON Location - Rig up Aid Safety Marking Run into Drill pipe Fill hole with Rig Mud Hookup cement pump 1. 1470-50 SKS 2. 4150-50 SKS 3. 250-50 SKS 4. 62-20 SKS 5. 24-20 SKS plug down 6:30 pm Rig down
6:15 pm						



DRILL STEM TEST REPORT

Prepared For: **American Warrior**
PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

SNS #1-7

7-20s-20w. Pawnee,KS

Start Date: 2014.03.24 @ 07:00:00

End Date: 2014.03.24 @ 14:15:00

Job Ticket #: 56168 DST #: 1

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

Printed: 2014.03.25 @ 17:16:52



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

7-20s-20w. Pawnee, KS

SNS #1-7

Job Ticket: 56168 **DST#: 1**

Test Start: 2014.03.24 @ 07:00:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 08:49:30 Tester: Bob Hamel
 Time Test Ended: 14:15:00 Unit No: 67
 Interval: **4379.00 ft (KB) To 4388.00 ft (KB) (TVD)** Reference Elevations: 2241.00 ft (KB)
 Total Depth: 4388.00 ft (KB) (TVD) 2235.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 6.00 ft

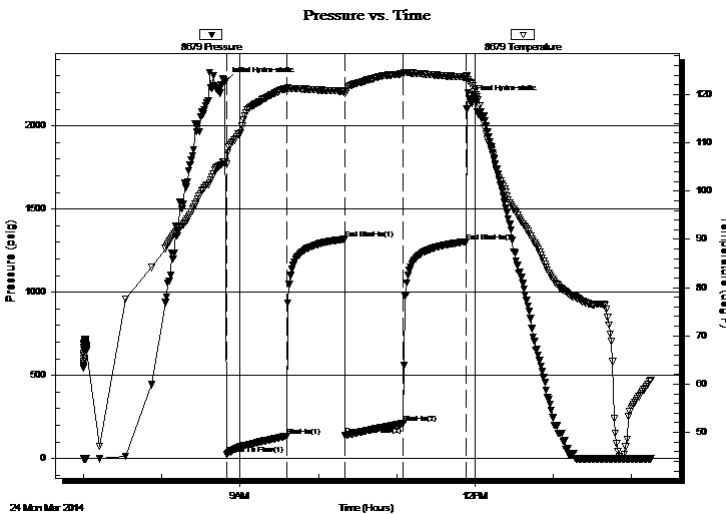
Serial #: 8679

Inside

Press@RunDepth: 211.20 psig @ 4380.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.03.24 End Date: 2014.03.24 Last Calib.: 2014.03.24
 Start Time: 07:00:01 End Time: 14:15:00 Time On Btm: 2014.03.24 @ 08:48:30
 Time Off Btm: 2014.03.24 @ 11:55:30

TEST COMMENT: I.F. - 45 - BOB in 21 min
 I.S.I. - 45 - No blow back
 F.F. - 45 - BOB in 26 min
 F.S.I. - 45 - No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2264.94	105.95	Initial Hydro-static
1	26.94	105.59	Open To Flow (1)
47	135.12	121.21	Shut-In(1)
92	1319.91	120.70	End Shut-In(1)
92	138.90	120.20	Open To Flow (2)
137	211.20	124.34	Shut-In(2)
185	1304.56	123.62	End Shut-In(2)
187	2160.91	122.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
435.00	M,W, 10% MUD 90% WATER	4.95
43.00	O,C,W, 10% OIL 90% WATER	0.60
25.00	CLEAN OIL	0.35

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior

7-20s-20w. Pawnee, KS

PO Box 399
Garden City, KS 67846

SNS #1-7

Job Ticket: 56168

DST#: 1

ATTN: Jason Alm

Test Start: 2014.03.24 @ 07:00:00

Tool Information

Drill Pipe:	Length: 4256.00 ft	Diameter: 3.80 inches	Volume: 59.70 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: 30000.00 lb
Drill Collar:	Length: 126.00 ft	Diameter: 2.25 inches	Volume: 0.62 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: 60.32 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	4379.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	9.00 ft			
Tool Length:	29.00 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			4360.00	
Shut In Tool	5.00			4365.00	
Hydraulic tool	5.00			4370.00	
Packer	4.00			4374.00	20.00 Bottom Of Top Packer
Packer	5.00			4379.00	
Stubb	1.00			4380.00	
Recorder	0.00	6625	Outside	4380.00	
Recorder	0.00	8679	Inside	4380.00	
Perforations	4.00			4384.00	
Bullnose	4.00			4388.00	9.00 Bottom Packers & Anchor
Total Tool Length:	29.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

7-20s-20w. Pawnee, KS

PO Box 399
Garden City, KS 67846

SNS #1-7

Job Ticket: 56168

DST#: 1

ATTN: Jason Alm

Test Start: 2014.03.24 @ 07:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35.4 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

30000 ppm

Viscosity: 70.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
435.00	M,W, 10% MUD 90% WATER	4.954
43.00	O,C,W, 10% OIL 90% WATER	0.603
25.00	CLEAN OIL	0.351

Total Length: 503.00 ft Total Volume: 5.908 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: R.W. .32 @ 51.4 degF

API 35.4 @ 60 DEG.

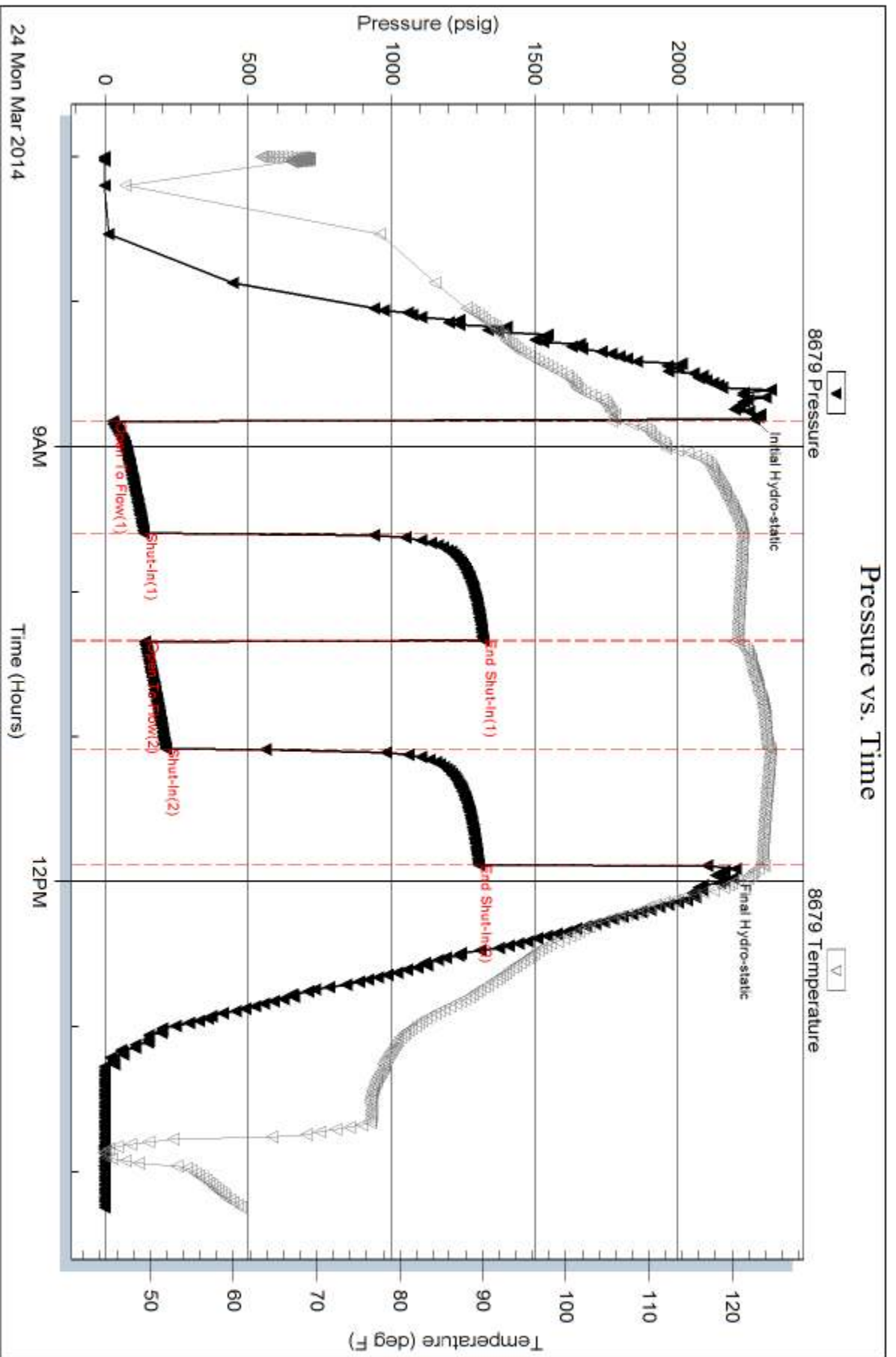
Serial #: 8679

Inside

American Warrior

SNS #1-7

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 56168

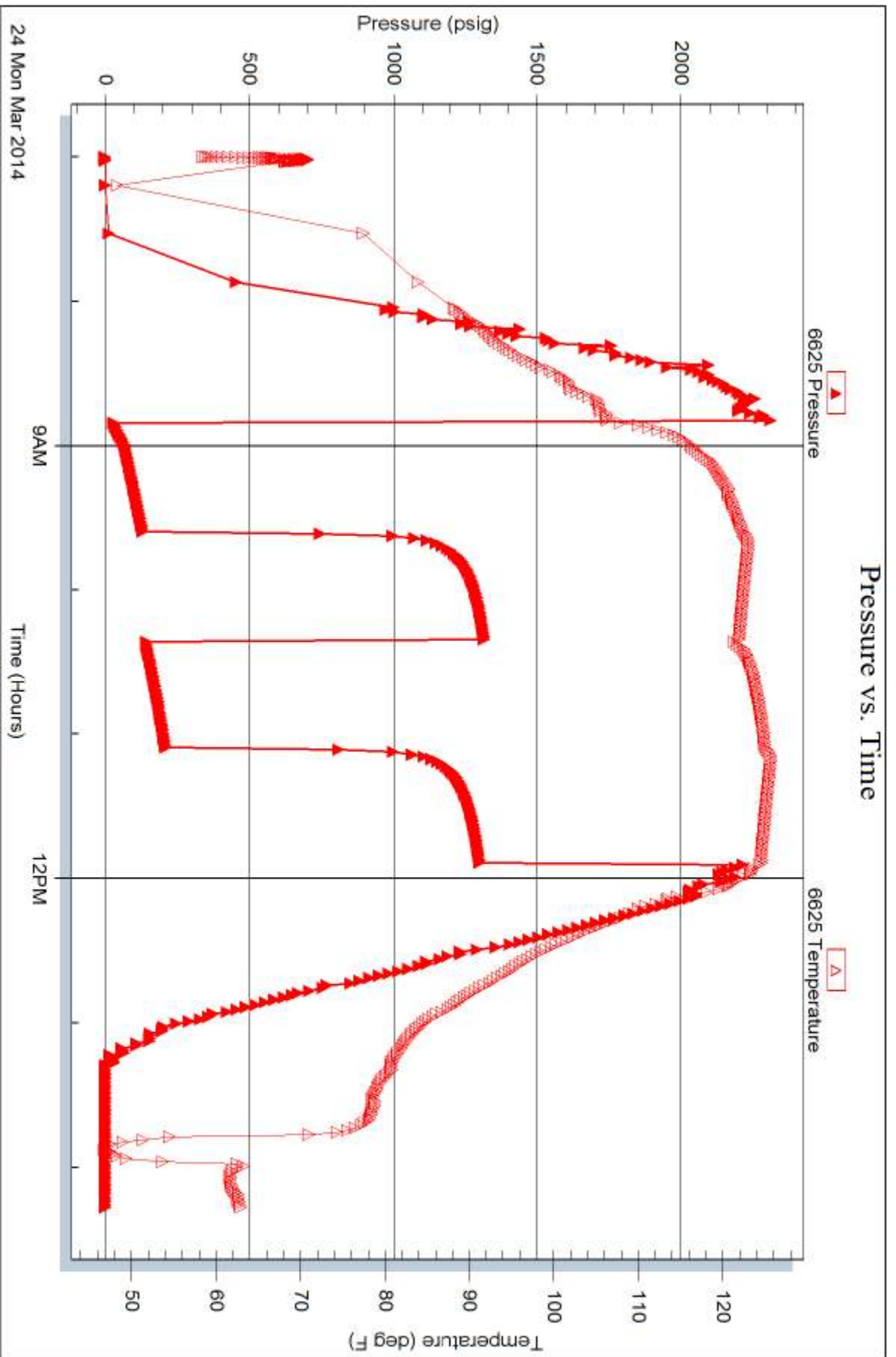
Printed: 2014.03.25 @ 17:16:54

Serial #: 6625

American Warrior

SNS #1-7

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **56168**

Well Name & No. SNS #1-7 Test No. 1 Date 3-24-14
 Company American Warrior, INC. Elevation 2241 KB 2235 GL
 Address 3118 Cummings S. RD. P.O. Box 399 Garden City KS. 67846
 Co. Rep / Geo. Jason Alm Rig Retro Mark Rig #1
 Location: Sec. 7 Twp. 20 S Rge. 20 W Co. Pawnee State KS.

Interval Tested 4379-4388 Zone Tested MISS.
 Anchor Length 9' Drill Pipe Run 4256. Mud Wt. 9.6
 Top Packer Depth 4374 Drill Collars Run 126 Vis 70
 Bottom Packer Depth 4379 Wt. Pipe Run — WL 8.0
 Total Depth 4388 Chlorides 6,600 ppm System LCM 0

Blow Description I.F. - 45 - 1/2" INT Blow Built to (B.O.B. in 21 min.)
F.S.I. - 45 - No B.B.
E.F. - 45 - 1/2" INT Blow Built to (B.O.B. in 16 min.)
F.S.I. - 45 - No B.B.

Rec	Feet of	%gas	%oil	%water	%mud
25'	C/O	100			
43'	O.C.W	10		90	
435'	M.W			90	10

Rec Total 505' BHT 122 Gravity 35.4 API RW .32 @ 51.4 °F Chlorides 30000 ppm

(A) Initial Hydrostatic 2,265 Test 1250 T-On Location 05:50:00
 (B) First Initial Flow 27 Jars 250 T-Started 07:00:00
 (C) First Final Flow 135 Safety Joint 75 T-Open 09:08
 (D) Initial Shut-In 1,320 Circ Sub _____ T-Pulled 12:08:00
 (E) Second Initial Flow 139 Hourly Standby _____ T-Out 14:30:00
 (F) Second Final Flow 211 Mileage 108/R.T. 167.40
 (G) Final Shut-In 1,305 Sampler _____
 (H) Final Hydrostatic 2,161 Straddle _____

Initial Open 45 Extra Packer _____
 Initial Shut-In 45 Extra Recorder _____
 Final Flow 45 Day Standby _____
 Final Shut-In 45 Accessibility _____
 Sub Total 1742.40

Comments "Thank you"
 Ruined Shale Packer _____
 Ruined Packer 320

Sub Total 0
 Total 2062.40
 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.