

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

ORIGINAL 8/8/13

OPERATOR: License # 4058
Name: American Warrior INC
Address 1: P.O.Box 399
Address 2: _____
City: Garden City State: Ks Zip: 67846 + _____
Contact Person: Kevin Wiles Sr
Phone: (620) 275-2963
CONTRACTOR: License # 5929
Name: Duke Drilling
Wellsite Geologist: James Musgrove
Purchaser: NCRA

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 #: _____

6-22-11	6-27-11	8-1-11
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 159-22,652-00-00
Spot Description: NE. sec 15-19s-10w
SE NW NW NE Sec. 15 Twp. 19 S. R. 10 East West
346 Feet from North / South Line of Section
2,302 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Rice
Lease Name: Behnke Well #: 1-15
Field Name: Chase Silica
Producing Formation: Douglas Sand
Elevation: Ground: 1754 Kelly Bushing: 1762
Total Depth: 3400 Plug Back Total Depth: 3378
Amount of Surface Pipe Set and Cemented at: 353 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: 12000 ppm Fluid volume: 320 bbls
Dewatering method used: Evaporation
Location of fluid disposal if hauled offsite:
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. East West
County: _____ Permit #: _____

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AUG 08 2013

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INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: _____
Title: Production Supt. Date: 8-4-11

KCC Office Use ONLY
RECEIVED
 Letter of Confidentiality Received
Date: 8/8/11 - 8/8/13 **AUG 08 2011**
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NJ Date: 8-23-11
KCC WICHITA

Operator Name: American Warrior INC Lease Name: Behnke Well #: 1-15
 Sec. 15 Twp. 19 S. R. 10 East West County: Rice

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: DIL, Comp/Dens. Micro, Sonic	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Topeka</td> <td>2436</td> <td>-774</td> </tr> <tr> <td>Heebner</td> <td>2804</td> <td>-1042</td> </tr> <tr> <td>Toronto</td> <td>2826</td> <td>-1069</td> </tr> <tr> <td>Douglas Sand</td> <td>2855</td> <td>-1093</td> </tr> <tr> <td>Lansing</td> <td>2951</td> <td>1189</td> </tr> <tr> <td>BKC</td> <td>3233</td> <td>-1471</td> </tr> <tr> <td>ARB</td> <td>3297</td> <td>-1535</td> </tr> </table>	Name	Top	Datum	Topeka	2436	-774	Heebner	2804	-1042	Toronto	2826	-1069	Douglas Sand	2855	-1093	Lansing	2951	1189	BKC	3233	-1471	ARB	3297	-1535
Name	Top	Datum																							
Topeka	2436	-774																							
Heebner	2804	-1042																							
Toronto	2826	-1069																							
Douglas Sand	2855	-1093																							
Lansing	2951	1189																							
BKC	3233	-1471																							
ARB	3297	-1535																							

CASING RECORD <input checked="" 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
Surface	12-1/4	8-5/8	23	353	Common	250	3%cc 2% gel
Production	7-7/8	5-1/2	14	3398	EA-2	150	1/4# flocele

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				

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
4	2854-2870	2500 gals 15% NE acid	same

TUBING RECORD: Size: <u>2-3/8"</u> Set At: <u>3300</u> Packer At: <u>none</u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		CONFIDENTIAL
Date of First, Resumed Production, SWD or ENHR. <u>SI</u> Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) <u>AUG 08 2013</u>		
Estimated Production Per 24 Hours	Oil Bbls. <u> </u> Gas Mcf <u> </u> Water Bbls. <u> </u> Gas-Oil Ratio <u> </u> Gravity <u> </u>	KCC

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" 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) <u> </u>	PRODUCTION INTERVAL: <u>2854-2870</u> RECEIVED
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------

8/4/11 Kevin
620-275-5067

ALLIED CEMENTING CO., LLC. 037236

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

SERVICE POINT:
Current Bend KS

DATE <u>6-22-11</u>	SEC. <u>15</u>	TWP. <u>190</u>	RANGE <u>10W</u>	CALLED OUT	ON LOCATION	JOB START <u>7:00 PM</u>	JOB FINISH <u>7:30 PM</u>
EASE <u>Behave</u>		WELL# <u>1-15</u>	LOCATION <u>Barton Rice Coline</u>	COUNTY <u>Rice</u>	STATE <u>KS</u>		
OLD OR <u>NEW</u> (Circle one)		1 East To Roman Bldg Top North To			RD 4 East South 4:1		

CONTRACTOR <u>Duke Rice</u>	OWNER <u>American warrior</u>
TYPE OF JOB <u>Surface</u>	
BOLE SIZE <u>12 1/2</u>	T.D. <u>353</u>
casing SIZE <u>8 1/2</u>	DEPTH <u>353</u>
CUBING SIZE	DEPTH
DRILL PIPE	DEPTH
FOOT	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15</u>	
VERFS.	
DISPLACEMENT <u>21.50 BBLs</u>	
EQUIPMENT	
PUMP TRUCK CEMENTER <u>Wayne</u>	
<u>366</u> HELPER <u>C</u>	
BULK TRUCK	
<u>1582-199</u> DRIVER <u>T. T</u>	
BULK TRUCK	
DRIVER	
COMMON <u>250</u>	@ <u>16.25</u> <u>4062.50</u>
POZ MIX	@
GEL <u>5</u>	@ <u>21.25</u> <u>106.25</u>
CHLORIDE <u>9</u>	@ <u>58.20</u> <u>523.80</u>
ASC	@
	@
	@
	@
	@
	@
	@
	@
	@
HANDLING <u>267</u>	@ <u>225</u> <u>599.00</u>
MILEAGE <u>264 x 17 x .11</u>	<u>493.00</u>
	<u>80</u>
	<u>5729.10</u>

REMARKS:

Dip on Barton Buggy circulation
with Rice mud
Run 5 BBLs water ahead
Mix 250 SX class A + 39cc + 29cc
Shut Down Release Plug
Dis Place 21.50 BBLs Shut in
Rice Down Cement did
circulate to pit

4692.50	29.04	TOTAL	5729.10
		SERVICE	80
DEPTH OF JOB <u>353</u>			
PUMP TRUCK CHARGE		<u>1125.00</u>	
EXTRA FOOTAGE	@		
MILEAGE TRUCK <u>37</u>	@ <u>7.00</u>	<u>258.00</u>	
MANIFOLD	@		
High Truck <u>37</u>	@ <u>4.00</u>	<u>136.00</u>	
	@		

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

349.41
TOTAL 1499.00

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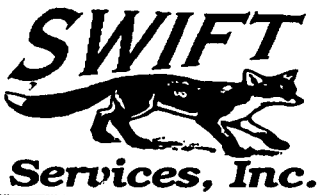
KCC WICHITA

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment

8 3/4 Plug	@	<u>94.00</u>	<u>94.00</u>
	@		
	@		
	@		
	@		
			<u>7375.25</u>

147462
20

4786.50



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

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 KCC WICHITA

TICKET
20208

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>HAY</u>	WELL/PROJECT NO. <u>1-15</u>	LEASE <u>BEHNKE</u>	COUNTY/PARISH <u>RICE</u>	STATE <u>KS</u>	CITY	DATE <u>0627-11</u>	OWNER
2. <u>NESS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO. <u>DUKE 4</u>	SHIPPED VIA <u>GT</u>	DELIVERED TO <u>NR2, CHASE</u>	ORDER NO.	
3.	WELL TYPE <u>OIL</u>	WELL CATEGORY <u>DEVELOP</u>	JOB PURPOSE <u>LONGSTRINK</u>	WELL PERMIT NO. <u>15-158-22652</u>	WELL LOCATION <u>S15.719110</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
575		1			MILEAGE #112	80		MI		5.00	400	00
578		1			PUMP SERVICE	1		EA		1400.00	1400	00
221		1			LIQUID VCL	2		GAZ		25.00	50	00
281		1			MUD FLUSH	500		GAZ		1.00	500	00
290		1			D-AIR	2		GAZ		35.00	70	00
402		1			CENTRALIZER	6		EA	5/2 IN	65.00	390	00
403		1			BASKET	1		EA		230.00	230	00
406		1			LATCH DOWN RUC & BAFFLE	1		EA		225.00	225	00
407		1			TIGHT FIT AT SHAPE 4/4 AND 1/4	1		EA		300.00	300	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: 06-27-11 TIME SIGNED: 1230 A.M. P.M.

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE		
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE TOTAL	3565 00
WE UNDERSTOOD AND MET YOUR NEEDS?				P.2	4473 50
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				SUB TOTAL	8038 50
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				RICE TAX 7.3%	382 89
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL	8421 39
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR: Dave APPROVAL: _____

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 06-27-11 PAGE NO. 1

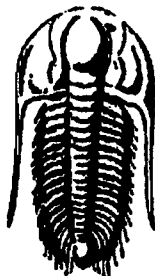
CUSTOMER AWI WELL NO. 1-15 LEASE BEHAME JOB TYPE LONGSTRIKING TICKET NO. 20208

CHART NO.	TIME	RATE (BPM)	VOLUME (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1330							ON LOCATION ENT: 175 STD EA 2 RTD 3400, SET PIPE 3396, SJ 22.25, RESERV 3373 5/2 1/4" CENT 2.5.7.9.11.13, BSH 4
	1335							START CSL & FLUATERY TAG OUTLET - DRUG BAR BREAK CIRC 4/114 1 HR PLUG RH 3D, MH 15
	1605		7.5					MUD FLUSH 500 GAL
	1615	50	12		✓		250	MCL "
		5	20		-		5	STD CMT 130 RDS
			31.5		-			DRUG LD PUG, WASH OUT R
	1630	6.0	0		-		200	START D/S
			51.3		-		300	CMT ON BOTTOM
			75		-		550	
			80		-		650	
	1645	4.5	82.3		-		1400	LAND PUG
	1650							RELEASE D/S
	1730							JOB COMPLETE THANK YOU! DANE JOSH B. 163

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AUG 08 2011

KCC WICHITA



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Josh Austin

15-19s-10w Rice,KS

Behnke #1-15

Start Date: 2011.06.26 @ 05:51:05

End Date: 2011.06.26 @ 11:18:05

Job Ticket #: 42421 DST #: 1

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AUG 08 2011**

KCC WICHITA

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

ORIGINAL

Printed: 2011.07.01 @ 08:20:15 Page 1

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American Warrior, Inc.

Behnke #1-15

15-19s-10w Rice,KS

DST # 1

Arbuckle

2011.06.26



**TRIOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc.

Behnke #1-15

PO Box 399
Garden City, KS 67846

15-19s-10w Rice,KS

ATTN: Josh Austin

Job Ticket: 42421 **DST#: 1**

Test Start: 2011.06.26 @ 05:51:05

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:45:05

Time Test Ended: 11:18:05

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 38

Interval: **3235.00 ft (KB) To 3310.00 ft (KB) (TVD)**

Total Depth: 3310.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1762.00 ft (KB)

1754.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8354

Inside

Press@RunDepth: 37.04 psig @ 3302.00 ft (KB)

Start Date: 2011.06.26

End Date: 2011.06.26

Start Time: 06:01:05

End Time: 11:18:05

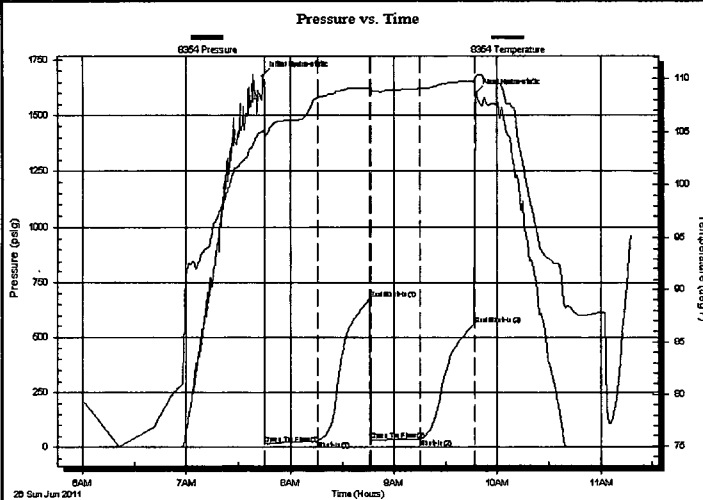
Capacity: 8000.00 psig

Last Calib.: 2011.06.26

Time On Btm: 2011.06.26 @ 07:44:05

Time Off Btm: 2011.06.26 @ 09:47:35

TEST COMMENT: IF-Fair building blow . BOB in 25 minutes.
ISI-No Return.
FF-Fair building blow . BOB in 16 minutes.
FSI-No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1677.76	105.01	Initial Hydro-static
1	16.19	104.29	Open To Flow (1)
32	27.65	108.20	Shut-In(1)
62	674.50	109.10	End Shut-In(1)
63	30.55	108.92	Open To Flow (2)
91	37.04	109.05	Shut-In(2)
123	558.05	109.78	End Shut-In(2)
124	1598.49	110.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	70%Gas/20%Mud/10%Oil	0.70
0.00	258' G.I.P.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

Behnke #1-15

PO Box 399
Garden City, KS 67846

15-19s-10w Rice, KS

Job Ticket: 42421

DST#: 1

ATTN: Josh Austin

Test Start: 2011.06.26 @ 05:51:05

Tool Information

Drill Pipe:	Length: 3229.00 ft	Diameter: 3.80 inches	Volume: 45.29 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 5000.00 lb
		Total Volume:	45.29 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3235.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.00 ft			
Tool Length:	95.00 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			3216.00	
Shut In Tool	5.00			3221.00	
Hydraulic tool	5.00			3226.00	
Packer	5.00			3231.00	20.00 Bottom Of Top Packer
Packer	4.00			3235.00	
Stubb	1.00			3236.00	
Perforations	2.00			3238.00	
Change Over Sub	1.00			3239.00	
Drill Pipe	62.00			3301.00	
Change Over Sub	1.00			3302.00	
Recorder	0.00	8354	Inside	3302.00	
Recorder	0.00	8520	Outside	3302.00	
Perforations	5.00			3307.00	
Bullnose	3.00			3310.00	75.00 Bottom Packers & Anchor

Total Tool Length: 95.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

Behnke #1-15

PO Box 399
Garden City, KS 67846

15-19s-10w Rice,KS

Job Ticket: 42421

DST#: 1

ATTN: Josh Austin

Test Start: 2011.06.26 @ 05:51:05

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: 53.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
50.00	70%Gas/20%Mud/10%Oil	0.701
0.00	258' G.I.P.	0.000

Total Length: 50.00 ft Total Volume: 0.701 bbf

Num Fluid Samples: 0

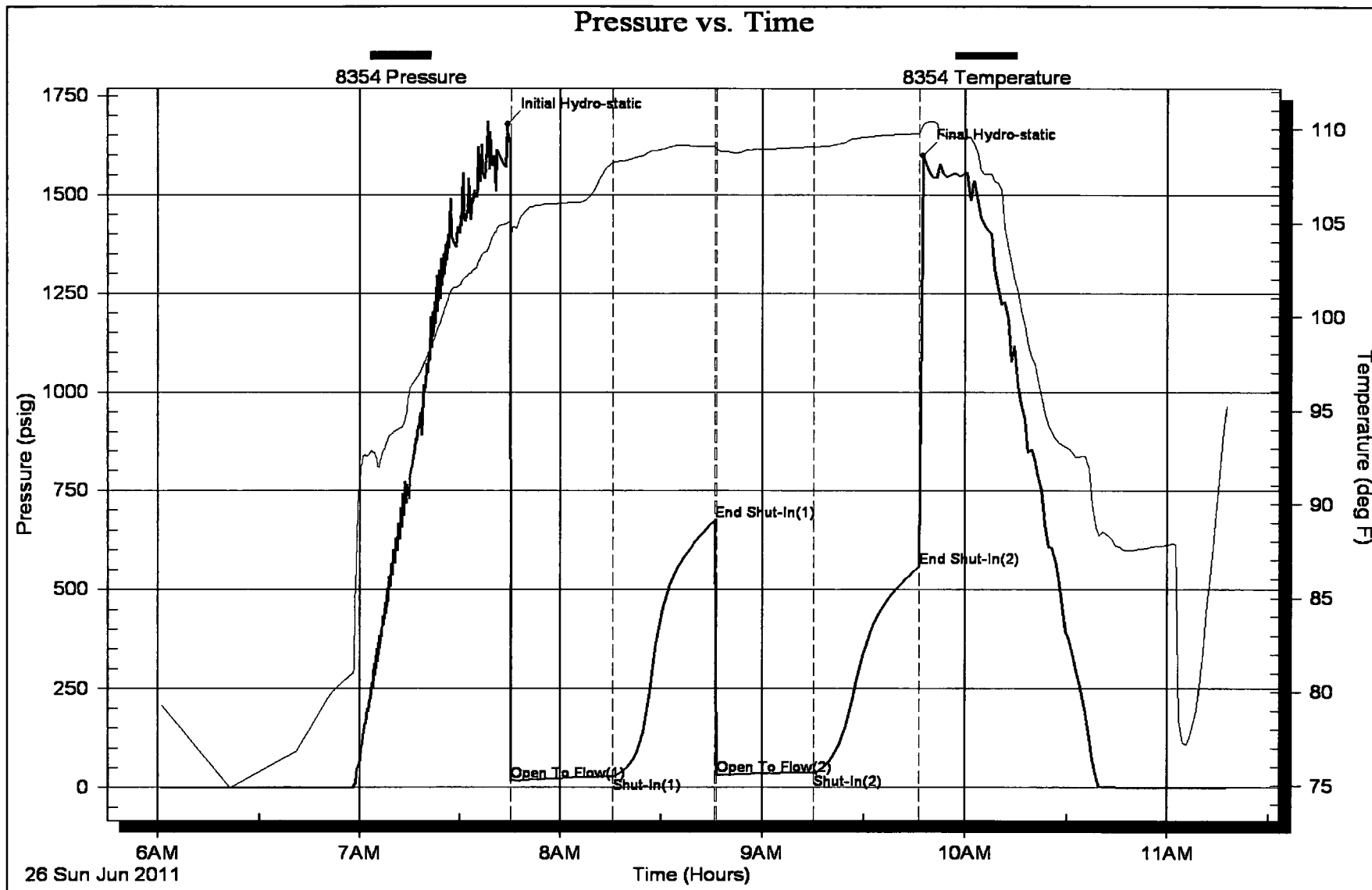
Num Gas Bombs: 0

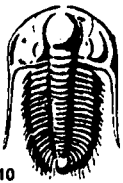
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JUN 29 2011

Test Ticket

NO. 042421

Well Name & No. Behnke #1-15 BY: _____ Test No. 1 Date 6-26-11
 Company American Water, Inc. Elevation 1762 KB 1754 GL
 Address P.O. Box 399 Garden City, KS 67846
 Co. Rep / Geo. Josh Austin Rig Duke 8
 Location: Sec. 15 Twp. 19S Rge. 10W Co. Rice State KS

Interval Tested 3235-3310 Zone Tested Arbuckle
 Anchor Length 75' Drill Pipe Run 3229 Mud Wt. 9.1
 Top Packer Depth 3230 Drill Collars Run 0 Vis 53
 Bottom Packer Depth 3235 Wt. Pipe Run 0 WL 9.2
 Total Depth 3310 Chlorides 4800 ppm System LCM 0#

Blow Description IF - Fair building blow. BOB in 25 minutes.
~~IS - No Return.~~
FF - Fair building blow. BOB in 16 minutes.
~~FS - No Return.~~

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>G/M 10</u>	<u>70</u>	<u>10</u>	<u>20</u>	<u>0</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>258' G.I.P</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 50 BHT 110 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1678 Test _____ T-On Location 0505
 (B) First Initial Flow 16 Jars _____ T-Started 0615
 (C) First Final Flow 28 Safety Joint _____ T-Open 0745
 (D) Initial Shut-In 675 Circ Sub _____ T-Pulled 0945
 (E) Second Initial Flow 31 Hourly Standby _____ T-Out 1115
 (F) Second Final Flow 37 Mileage 80XZ Comments Bart-551
 (G) Final Shut-In 558 Sampler _____
 (H) Final Hydrostatic 1598 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total _____
 Day Standby _____ Total _____
 Accessibility _____ MP/DST Disc't _____
 Sub Total _____

Approved By _____ Our Representative D. Redh

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