

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1095264

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

## WELL COMPLETION FORM

#### WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	
Phone: ()	
CONTRACTOR: License #	
Name:	
Wellsite Geologist:	
Purchaser:	
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Gas D&A ENHR SIGW	Multiple Stage Cementing Collar Used? Yes No
	Abd. If yes, show depth set: Feet
CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	If Alternate II completion, cement circulated from:
	feet depth to:w/sx cmt.
If Workover/Re-entry: Old Well Info as follows:	
Operator:	Drilling Fluid Management Plan
Well Name:	(Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	Chloride content: ppm Fluid volume: bbls
Deepening Re-perf. Conv. to ENHR Conv.	to SWD Dewatering method used:
Conv. to GSW	
Plug Back: Plug Back Total Depth	
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec Two S R East West
ENHR Permit #:	Dermit #:
GSW Permit #:	County Permit #
Spud Date or Recompletion Date         Date Reached TD         Completion Date	

#### AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

#### Submitted Electronically

KCC Office Use ONLY
Letter of Confidentiality Received
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II Approved by: Date:

	Side Two	<b>                                    </b>
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional She		Yes	No		og Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geolog		Yes	No	Nam	e		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	☐ Yes ☐ Yes ☐ Yes	No No No					
List All E. Logs Run:								
		Report all		RECORD No	ew Used ermediate, product	ion, etc.		
Purpose of String	Size Hole Drilled	Size Cas Set (In C		Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

#### ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD				
Plug Off Zone				

Shots Per Foot		PERFORATION Specify Fo		RD - Bridge F Each Interval		e			ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Si	ze:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed F	Product	ion, SWD or ENHF	<b>λ</b> .	Producing N		ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF (	GAS:			METHOD	OF COMPLE	TION:		PRODUCTION INTER	RVAL:
Vented Sold		Used on Lease		Open Hole	Perf.	Dually (Submit)		Commingled (Submit ACO-4)		
(If vented, Sub	mit ACC	)-18.)		Other (Specify)	)					

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Seltman 8
Doc ID	1095264

## Tops

Name	Тор	Datum
Anhydrite	1318	796
Chase	2178	-64
Heebner	3548	-1434
Lansing	3591	-1477
Base Kansas City	3902	-1788
Pawnee	3984	-1870
Ft. Scott	4046	-1932
Cherokee	4064	-1950
Mississippian	4132	-2018
TD	4175	-2061

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# **Geological Report**

American Warrior, Inc. Seltman #8 410' FNL & 1475' FWL Sec. 24 T18s R21w Ness County, Kansas



# **American Warrior, Inc.**

### **General Data**

Well Data:	American Warrior, Inc. Seltman #8 410' FNL & 1475' FWL Sec. 24 T18s R21w Ness County, Kansas API # 15-135-25280-0000
Drilling Contractor:	Discovery Drilling Co., Inc. Rig #3
Geologist:	Jason T Alm
Spud Date:	June 25, 2012
Completion Date:	July 2, 2012
Elevation:	2106' Ground Level 2114' Kelly Bushing
Directions:	Alexander KS, West <sup>1</sup> / <sub>2</sub> mi. on Hwy 96 to McCracken Rd. North 1 <sup>1</sup> / <sub>2</sub> mi. West via county rd. 2 <sup>1</sup> / <sub>2</sub> mi. South into location.
Casing:	1330' 8 5/8" surface casing 4174' 5 1/2" production casing
Samples:	10' wet and dry, 3850' to RTD
Drilling Time:	3500' to RTD
Electric Logs:	Log-Tech, Inc. "Jared Long" CNL/CNL, DIL
Drillstem Tests:	One, Trilobite Testing, Inc. "Chuck Smith"
Problems:	None
Remarks:	None

	American Warrior, Inc.
	Seltman #8
	Sec. 24 T18s R21w
Formation	410' FNL & 1475' FWL
Anhydrite	1318', +796
Base	1354', +760
Chase	2178', -64
Heebner	3548', -1434
Lansing	3591', -1477
BKc	3902', -1788
Pawnee	3984', -1870
Fort Scott	4046', -1932
Cherokee	4064', -1950
Mississippian	4132', -2018
LTD	4175', -2061
RTD	4175', -2061

### **Formation Tops**

## **Sample Zone Descriptions**

Cherokee B Sand (4096', -1982): Covered in DST #1 Ss – Quartz, slightly frosted, fine to medium grained, sub-rounded, fairly sorted, poorly cemented with fair to good inter-granular porosity, scattered light oil stain in cluster, slight show of free oil when broken, no odor, very dull yellow fluorescents, mostly barren, 10-12 units hotwire.

## **Drill Stem Tests**

Trilobite Testing, Inc. "Chuck Smith"

<b>DST #1</b>	Cherokee B Sand Interval (4062' – 4110') Anch	hor Length 48'	
	IHP = 2002 #	201 201801 10	
	IFP $-45$ " – Built to 6 in.		32-100 #
	ISI - 45'' - Dead		372 #
	FFP $-45$ " – Built to 8 in.		105-150 #
	FSI – 45" – Dead		359 #
	FHP – 1940 #		
	BHT – 117°F		
	Recovery: 40' OSWM	10% Water	
	248' MW	50% Water	

## **Structural Comparison**

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	American Warrior, Inc.	American Warrior, Inc.		American Warrior, Inc.	
	Seltman #8	Seltman #1		Seltman #4	
	Sec. 24 T18s R21w	Sec. 24 T18s R21w		Sec. 24 T18s R21w	
Formation	410' FNL & 1475' FWL	1200' FNL & 1600' FWL		1453' FNL & 2200' FWL	
Anhydrite	1318', +796	1315', +799	(-3)	1317', +793	(+3)
Base	1354', +760	NA	NA	1351', +760	FL
Chase	2178', -64	2176', -62	(-2)	NA	NA
Heebner	3548', -1434	3545', -1431	(-3)	3543', -1433	(-1)
Lansing	3591', -1477	3590', -1476	(-1)	3588', -1478	(+1)
BKc	3902', -1788	NA	NA	3899', -1789	(+1)
Pawnee	3984', -1870	NA	NA	3983', -1873	(+3)
Fort Scott	4046', -1932	4044', -1930	(-2)	4044', -1934	(+2)
Cherokee	4064', -1950	4062', -1948	(-2)	4060', -1950	FL
Mississippian	4132', -2018	4132', -2018	FL	4130', -2020	(+2)

#### Summary

The location for the Seltman #8 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One drill stem test was conducted which was negative. After all gathered data had been examined the decision was made to run 5 1/2 inch production casing and convert the Seltman #8 well into a water injection well.

#### **Recommended Perforations**

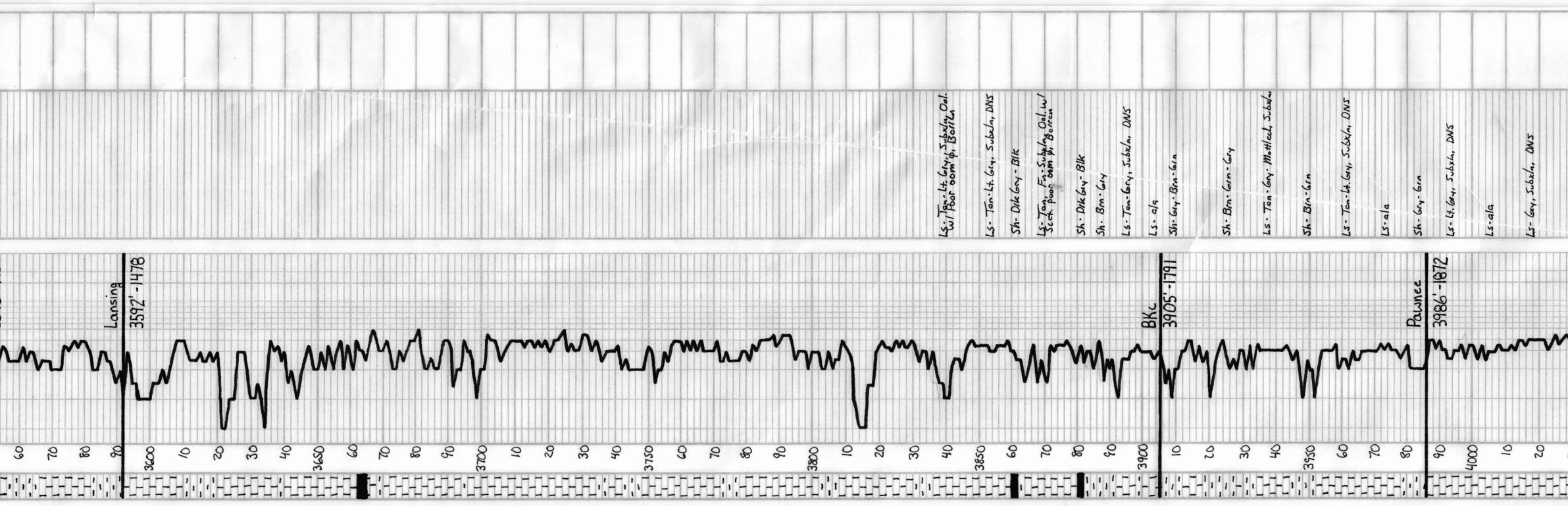
**Injection:** 

Cherokee B Sand: (4096' – 4106') DST #1

Respectfully Submitted,

Jason T Alm Hard Rock Consulting, Inc.

HARDROCK Consulting, Inc.	<b>Geologic</b> Drilling Time an		Dotomite	REMARKS	beo on Loc. Z:00 p.m. 7-1-12
Operator American	Warrior, Inc.	Elevation KB 2114'	HHH 3		<u> </u>
Lease Seltman	No. 8	DF GL 2106'	chart Chart	co.	
API # 15-135-25280	-0000	Casing Record Surface	LEALE	NOIL	
Field Pabst		8 5/8" (@ 1330' Production	00,L1m	DESCRIPTIONS	
Location 410' FNL	& 1475' FWL	5 1/2" @ 4174' Electrical Surveys	2		
Sec. 24 Twp.	18s Rge. 21w	CNL/CDL, DIL		SAMPLE	
County Ness	State Kansas		EGEN(		
Drilling Contractor Comm. 6-25-2012 Complete Samples Saved From Drilling Time Kept From Samples Examined From Geological Supervision From Mud Up 3400' Formation	Discovery Drilling, Inc. Rig #           7-2-2012         RTD         4175'           3850'         To           3850'         To           3850'         To           3850'         To           3900'         To           Type         Chemical           Log Tops         Samp	LTD 4175' RTD RTD RTD RTD RTD Die Tops Struct Comp	And a second sec	Ede) 10 15 20 30	Hee bner 3548' - 1434
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Base	1354', +760 1357	", +757 NA		DRILLING Logarithmic 2 3 4	M N
Chase		NA -2		DRIL oga	
Heebner		', -1434 -3			
Lansing BKc		', -1478 -1 ', -1791 NA		-	
Pawnee		,-1751 NA	Anhydrite		
Fort Scott	Example Analysis and the second second second second	, 197 <u>2</u> ', -1934 -2	EEEE &		
Cherokee		', -1950 -2		ιĝ	
Mississippian		', -2021 FL		ACT OF A DAMAGE AND A DESCRIPTION OF	0 0 0 0 0 0
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Reference Well For Structural				LOOTOHLIT	
Interesting went for Subclurat		rior, me. setunian #1	2077 201		



	LS. Ton - Lt. Gry of Subaling Cal.	LS. Ton.Lt. bey. Subuln, DNS	Sh-Dik Goy - Bik	Sect. ploop com by Berren	Sh. Dik biy- Blk Sh. Brn. biy	Ls. Ton-bry, Subxla, ONS	Ls. als Sh. biy. Brn.bin	Sh. Brn. Gen. Gen	1 - T ( M 1 - 5 L - 1	Sh- Bin-bin	Ls - Ton-Lt. Gry, Substan, DNS	LS-ala	Sh- Gry- bra	Ls- Lt. Gry, Subxla, DNS	Ls-ala	45- Gry, Subala, ONS	Ls- ala	20 Sh. Bik, Lerb.	LSE Tan, Substan WVS, SI. DST#1 Possil, Sherky WVS, SI. DST#1 Cher. Sand	Sh. Dik bery Sh. ben. Broj. bery, Fre DINS, HY 2002# Rendom ber, Berrin any Small IF 32:100#	Shi Guy Bin Gen, Stack ISI 3724	Sr FST	SS-OFX SI Franch Fr- Medler. BHT 1179F Sub-Ruy red. Frich Surt. Pagin Sen. 41 Fair 6000 Intra-26. 201 Star. 10 01 St No Outru. S. Dall Recours: Massin Barren. 40:05 WM	S. Ote Un For foorse for Road.	Sh: Mukichared, J. Kel. Org When a Many Rendom ate Co.	Dr. Pale- Why Ton. F. Sugar 2. Why Antrala - Just of Heavy Barton Oil 984 Risto. Marty Barton - Oil 76, 18:00 Marthy Respectfully	D- ala	dV-ala	
<u> </u>			3		wV v		3905'-1791 s	MV			ſŀ			3986'-1872				Fort Scott	W 4048'-1934 Cherokce	~ Q	h			M	Mississippion			4175'-2061	
8 8 -1-1-1-	099 	1,1 1,1 1,1	°3 ] <b>]</b> []	2 111	€ 3 - <b>1</b> :1;1	02	0	2 	8 '-':-'-		9 	22 1-1-1-	09	06 1111	<u>9</u> 9 -1-1-1	2 2 1-1-1	° 1111-	1.1 40	09 1-1 1-1			2		20 20		252 4150	-	0 24 20	



## **DRILL STEM TEST REPORT**

Prepared For: American Warrior, Inc.

PO Box 399 Garden City, KS 67846

ATTN: Jason Alm

#### Seltman #8

#### 24-18s-21w Ness,KS

Start Date: 2012.07.02 @ 04:55:00 End Date: 2012.07.02 @ 12:25:39 Job Ticket #: 45980 DST #: 1

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

RILOBITE	DRILL STEM TES	T REP	ORT			
	American Warrior, Inc.		24-18s-2	1w Nes	is,KS	
ESTING , IN	PO Box 399 Garden City, KS 67846		<b>Seltma</b> Job Ticke		DST	-#· 1
	ATTN: Jason Alm				7.02 @ 04:55:0	
GENERAL INFORMATION:	4					
Formation:Cherokee SandDeviated:NoWhipstock:Time Tool Opened:07:32:10Time Test Ended:12:25:39	ft (KB)		Test Type Tester: Unit No:		entional Bottom Smith	Hole (Initial)
Interval:4062.00 ft (KB) ToTotal Depth:4110.00 ft (KB) (Hole Diameter:7.88 inches H			Referenc	e Elevation KB to GR/	2106	.00 ft (KB) .00 ft (CF) .00 ft
Serial #: 8018InsidePress@RunDepth:149.85 psigStart Date:2012.07.02Start Time:04:55:02TEST COMMENT:Weak blow die No return.	End Date: End Time:	2012.07.02 12:25:40	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000. 2012.07 07.02 @ 07:30 07.02 @ 10:33	:30
8" Blow . No return. Pressure v: 308 Pressure	Time ত 8018 Temperature		PRESS	SURE S	UMMARY	
2000   Initial Hydrocataic 1750   Initial Hydrocataic 1760   Initial Hydrocataic		Time (Min.) 0 2 47 92	100.51 115	.81 Initia .47 Ope 5.69 Shut	notation I Hydro-static n To Flow (1) t-In(1)	
		92 92 137 183 184	105.37 116 149.85 117 358.92 117	5.20 Ope 7.02 Shut 7.36 End	Shut-In(1) n To Flow (2) t-In(2) Shut-In(2) I Hydro-static	
200 Constant and a second and	ризичио поізнико – 75 — 70 — 40 — 12РМ					
Recover				Gas Ra	tes	
Length (ft) Description	Volume (bbl)		CI	ioke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
40.00         OSWM 10w 90m           248.00         MW 50m 50w	0.29 3.48					

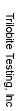
	DRILL STEM TES	T REP	ORT			
RILOBITE	American Warrior, Inc.		24-18s-21	w Ness,K	S	
ESTING , INC			Seltman	#8		
	Garden City, KS 67846		Job Ticket:	45980	DST	#: 1
	ATTN: Jason Alm		Test Start:	2012.07.02	@ 04:55:00	)
GENERAL INFORMATION:						
Formation:Cherokee SandDeviated:NoWhipstock:Time Tool Opened:07:32:10Time Test Ended:12:25:39	ft (KB)		Test Type: Tester: Unit No:	Conventior Chuck Smi 62		Hole (Initial)
Interval:4062.00 ft (KB) To4Total Depth:4110.00 ft (KB) (THole Diameter:7.88 inches Ho			Reference I	Elevations: B to GR/CF:	2106.0	00 ft (KB) 00 ft (CF) 00 ft
Serial #: 6751OutsidePress@RunDepth:psigStart Date:2012.07.02Start Time:04:55:02	<ul> <li>@ 4066.00 ft (KB)</li> <li>End Date:</li> <li>End Time:</li> </ul>	2012.07.02 12:25:36	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.0 2012.07.0	00 psig 02
TEST COMMENT: Weak blow died No return. 8" Blow . No return.	l @ 11 min., flushed tool, built to 6"					
Pressure vs.	Time <sup>[]</sup> 5751 Temperature			JRE SUM		
000 120 120 120 120 120 120 120	110 110 100 100 100 100 100 100	Time (Min.)	Pressure Temp (psig) (deg F		tion	
Recovery			G	as Rates		
Length (ft)         Description           40.00         OSWM 10w 90m	Volume (bbl) 0.29		Chok	e (inches) Pres	sure (psig)	Gas Rate (Mcf/d)
40.00         OSVVM TOW 90m           248.00         MW 50m 50w	3.48					

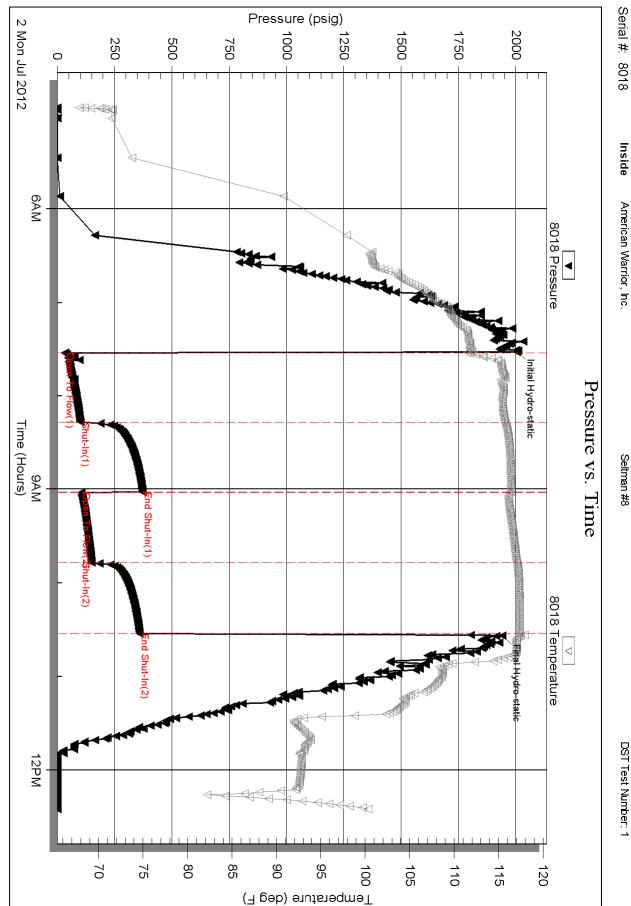
( ) <b>-1</b> 53	RILOE	SIIE	America		laa			04.40.04		TOOL DIAGR
		TING , INC		an Warrior	, Inc.			24-18s-21w	Ness, KS	
	ΓΕΟΙ	ING, INC.	10 000					Seltman #8	3	
			Garden	City, KS 6	7846			Job Ticket: 45	980	DST#: 1
			ATTN:	Jason Alr	n			Test Start: 20	12.07.02 @	04:55:00
Tool Informatio	on		•							
Drill Pipe:	Length:	4030.00 ft	Diameter:	3.80	inches '	Volume:	56.53 bbl	Tool Weigh	nt:	2300.00 lb
Hea∨y Wt. Pipe:	Length:	0.00 ft	Diameter:		inches '	Volume:	0.00 bbl	Weight set	on Packer:	20000.00 lb
Drill Collar:	Length:	30.00 ft	Diameter:	2.25	inches	Volume:	0.15 bbl	-		75000.00 lb
Drill Pipe Above k	(B)	25.50 ft			Total '	Volume:	56.68 bbl			0.00 ft
Depth to Top Pac		4062.00 ft						String Weig	-	56000.00 lb
Depth to Bottom		4002.00 ft							Final	57000.00 lb
nterval betw een		48.00 ft								
Fool Length:		75.50 ft								
Number of Packe	ers:	2	Diameter:	6.75	inches					
Fool Comments:										
Tool Descriptio		Le		Serial No	o. Pos	sition		Accum. Lengths		
Tool Descriptic		Le	<b>ngth (ft)</b> 1.00	Serial No	o. Pos	sition	<b>Depth (ft)</b> 4035.50	Accum. Lengths		
Tool Descriptio		Le		Serial No	o. Pos	sition		Accum. Lengths		
<b>Tool Descriptic</b> Change Over Sul Shut In Tool		Le	1.00	Serial No	o. Pos	sition	4035.50	Accum. Lengths		
<b>Tool Descriptic</b> Change Over Sul Shut In Tool Hydraulic tool Jars		Le	1.00 5.00 5.00 5.00	Serial No	o. Pos	sition	4035.50 4040.50 4045.50 4050.50	Accum. Lengths		
<b>Tool Descriptic</b> Change Over Sul Shut In Tool Hydraulic tool Jars Safety Joint		Le	1.00 5.00 5.00 5.00 2.50	Serial No	o. Pos	sition	4035.50 4040.50 4045.50 4050.50 4053.00			
<b>Tool Descriptio</b> Change Over Sul Shut In Tool Hydraulic tool Jars Safety Joint Packer		Le	1.00 5.00 5.00 5.00 2.50 5.00	Serial No	o. Pos	sition	4035.50 4040.50 4045.50 4050.50 4053.00 4058.00	Accum. Lengths		Bottom Of Top Packe
<b>Tool Descriptio</b> Change Over Sul Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer		Le	1.00 5.00 5.00 2.50 5.00 4.00	Serial No	o. Pos	sition	4035.50 4040.50 4045.50 4050.50 4053.00 4058.00 4062.00			Bottom Of Top Packe
Tool Description Change Over Sull Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb		Le	1.00 5.00 5.00 2.50 5.00 4.00 1.00	Serial No	o. Pos	sition	4035.50 4040.50 4045.50 4050.50 4053.00 4058.00 4062.00 4063.00			Bottom Of Top Packe
Tool Description Change Over Sull Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations		Le	1.00 5.00 5.00 2.50 5.00 4.00 1.00 3.00				4035.50 4040.50 4045.50 4050.50 4053.00 4058.00 4062.00 4063.00 4066.00			Bottom Of Top Packe
Tool Description Change Over Sull Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder		Le	1.00 5.00 5.00 2.50 5.00 4.00 1.00 3.00 0.00	8018	3	Inside	4035.50 4040.50 4045.50 4050.50 4053.00 4058.00 4062.00 4063.00 4066.00			Bottom Of Top Packe
Tool Description Change Over Sull Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Packer Stubb Perforations Recorder Recorder		Le	1.00 5.00 5.00 2.50 5.00 4.00 1.00 3.00 0.00		3		4035.50 4040.50 4045.50 4050.50 4053.00 4058.00 4062.00 4063.00 4066.00 4066.00			Bottom Of Top Packe
Fool Description Change Over Sull Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder Recorder Perforations	b	Le	1.00 5.00 5.00 2.50 5.00 4.00 1.00 3.00 0.00 0.00 8.00	8018	3	Inside	4035.50 4040.50 4045.50 4050.50 4053.00 4058.00 4062.00 4066.00 4066.00 4066.00 4066.00			Bottom Of Top Packe
Fool Description Change Over Sull Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder Recorder Perforations Change Over Sull	b	Le	1.00 5.00 5.00 2.50 5.00 4.00 1.00 3.00 0.00 8.00 1.00	8018	3	Inside	4035.50 4040.50 4045.50 4050.50 4053.00 4058.00 4062.00 4063.00 4066.00 4066.00			Bottom Of Top Packe
Fool Description Change Over Sull Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Packer Stubb Perforations Recorder Perforations Change Over Sull Drill Pipe	b	Le	1.00 5.00 5.00 2.50 5.00 4.00 1.00 3.00 0.00 0.00 8.00 1.00 31.00	8018	3	Inside	4035.50 4040.50 4045.50 4050.50 4053.00 4058.00 4062.00 4066.00 4066.00 4066.00 4066.00 4075.00 4106.00			Bottom Of Top Packe
Fool Description Change Over Sull Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder Recorder Perforations Change Over Sull	b	Le	1.00           5.00           5.00           5.00           5.00           2.50           5.00           4.00           1.00           3.00           0.00           8.00           1.00           31.00           1.00	8018	3	Inside	4035.50 4040.50 4045.50 4050.50 4053.00 4058.00 4062.00 4066.00 4066.00 4066.00 4066.00 4074.00 4075.00			Bottom Of Top Packe
<b>Fool Descriptio</b> Change Over Sull Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder Perforations Change Over Sull Drill Pipe Change Over Sull Bullnose	b	Ler	1.00 5.00 5.00 2.50 5.00 4.00 1.00 3.00 0.00 0.00 8.00 1.00 31.00	8018	3	Inside	4035.50 4040.50 4045.50 4050.50 4053.00 4058.00 4062.00 4066.00 4066.00 4066.00 4066.00 4074.00 4075.00 4106.00 4107.00	27.50		

		RILL STEM TEST		FLUID SUMMARY			
	ITE Ame	rican Warrior, Inc.		24-18s-21w	Ness,KS		
EST.	ING, INC <sub>POB</sub>	ox 399		Seltman #	8		
	Gard	Garden City, KS 67846 ATTN: Jason Alm		Job Ticket: 45980		DST#:1	
	ATT			Test Start: 2012.07.02 @ 0		4:55:00	
Mud and Cushion Infe	ormation						
Mud Type: Gel Chem		Cushion Type:			Oil A PI:	deg API	
Mud Weight: 9.00 I	-	Cushion Length:			Water Salinity:	48000 ppm	
Viscosity: 55.00 s	-	Cushion Volume:		bbl			
Water Loss: 7.98 i Resistivity: 0	n³ ohm.m	Gas Cushion Type: Gas Cushion Pressur	· • ·	ncia			
Salinity: 5100.00 g		Gas Cushion Pressui	e.	psig			
	nches						
<b>Recovery Information</b>	ו						
		Recovery Table			1		
	Length ft	Description		Volume bbl			
	40.00	OSWM 10w 90m		0.288			
	248.00	MW 50m 50w		3.479			
То	tal Length: 28	38.00 ft Total Volume:	3.767 bbl				
Nu	m Fluid Samples: 0	Num Gas Bombs:	0	Serial #:			
	boratory Name:	Laboratory Locati					
Re	covery Comments:	RW:.126 @ 88 Degrees F = 48	000 PPM				

Printed: 2012.07.06 @ 11:19:17

Ref. No: 45980





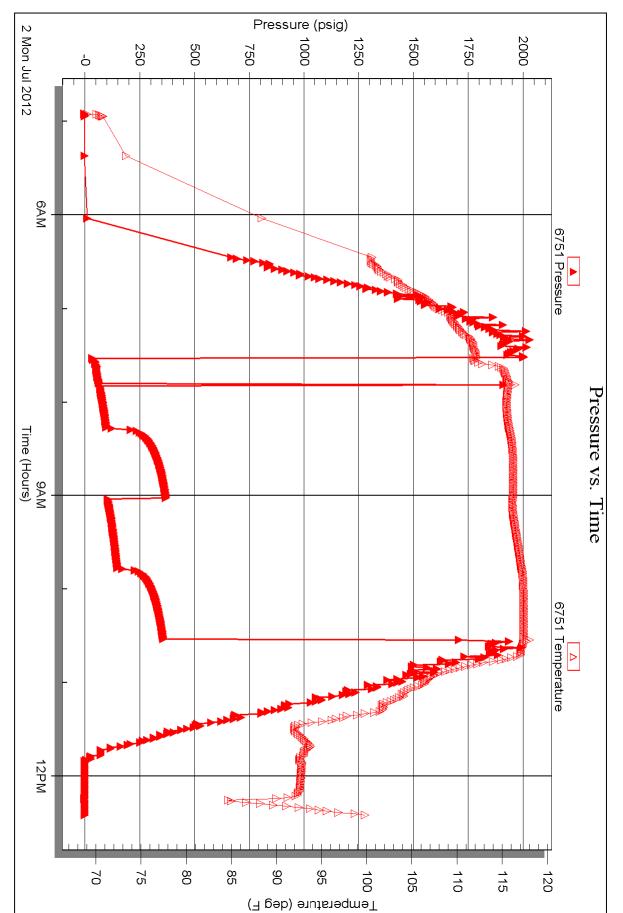
Seltman #8

DST Test Number: 1

Printed: 2012.07.06 @ 11:19:17

Ref. No: 45980

Trilobite Testing, Inc



Seltman #8

DST Test Number: 1

Serial #: 6751 Outside American Warrior, Inc.

4/10	RILOBITE ESTING INC P.O. Box 1733 • Hay	NO. 45980						
Address POB 3	can Warrior, Inc. 399 Garden City,	KS 67846	Elevation	2114	КВ	7-2-12 2106	GL	
Co. Rep / Geo. Jas	Twp. 185	Rea 21w	Rig Co			State KS		
			· · · ·					
	1062 - 4110		Cheroke			0.		
Anchor Length			4030			9.0		
Top Packer Depth					Vis			
Bottom Packer Depth 7	110	Wt. Pipe Run	5100 ppr			8.0		
	k blow died @ 11 min				LCM	/		
	seturn, Blow, eturn							
11-			%gas	%oil		%water	%mud	
	et of OSWM		%gas	%oil			2 %mud	
	et of MW		%gas	%oil			0 %mud	
	et of		%gas	%oil		%water	%mud	
200	еt of В ВНТ _//7	Gravity 🛁	%gas	%oil		%water s <i>18,000</i>	%mud	
Rec Total   XOC     (A) Initial Hydrostatic		Gravity	API RW , 126 (			s 10,000 4:45	ppm -	
(B) First Initial Flow					ed			
(C) First Final Flow	1	Safety Joint _ 75			Service Contraction of the Contr	7:32		
(D) Initial Shut-In		Circ Sub 50		- 27		10:33		
(E) Second Initial Flow		Hourly Standby		T-Out		12:26		
(F) Second Final Flow		Mileage		.50 Comm	ents			
(G) Final Shut-In		Sampler						
(H) Final Hydrostatic	10	Straddle						
		Shale Packer				Packer		
Initial Open 4/5		Extra Packer		2 1	Ruined Packer 320			
Initial Shut-In	45	Extra Recorder			Sub Total			
Final Flow	45	Day Standby			1764.50			
Final Shut-In 45		Accessibility			MP/DST Disc't			
		Sub Total 1764.50		0.				
Approved By		Our	Representative	Chuck	Amich			

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.