

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1070272

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:		
		Feet from North / South Line of Section
City: Sta	ate: Zip:+	Feet from Cast / West Line of Section
-		Footages Calculated from Nearest Outside Section Corner:
Phone: ()		
		County:
		Lease Name: Well #:
		Field Name:
-		
		Producing Formation:
Designate Type of Completion:		Elevation: Ground: Kelly Bushing:
New Well	Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW	SWD SIOW	Amount of Surface Pipe Set and Cemented at: Feet
Gas D&A	ENHR SIGW	Multiple Stage Cementing Collar Used?
OG	GSW Temp. Abd.	If yes, show depth set: Feet
CM (Coal Bed Methane)		If Alternate II completion, cement circulated from:
Cathodic Other (Core	e, Expl., etc.):	feet depth to:w/sx cmt.
If Workover/Re-entry: Old Well Infe	o as follows:	
Operator:		Drilling Fluid Menonement Dien
Well Name:		Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date:	Original Total Depth:	
Deepening Re-perf.		Chloride content: ppm Fluid volume: bbls
	Conv. to GSW	Dewatering method used:
Plug Back:	Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled	Permit #:	Operator Name:
Dual Completion	Permit #:	
SWD	Permit #:	Lease Name: License #:
ENHR	Permit #:	Quarter Sec TwpS. R East West
GSW	Permit #:	County: Permit #:
Spud Date or Date Rea Recompletion Date	Completion Date or Recompletion 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	
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 Sh	eets)	Yes No		-		Sample	
Samples Sent to Geolog	gical Survey	Yes No	Nam	le		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted Electronically (<i>If no, Submit Copy</i>)		 Yes No Yes No Yes No 					
List All E. Logs Run:							
		CASING		ew Used			
		Report all strings set-	-conductor, surface, inte	ermediate, producti	on, 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: 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 RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					Depth				
TUBING RECORD:	Siz	ze:	Set At:		Packe	r At:	Liner R	un:	No	
Date of First, Resumed	Product	ion, SWD or ENHF	ł.	Producing M	lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	s.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	DISPOSITION OF GAS: METHOD OF COMPL			OF COMPLE	TION:		PRODUCTION INT	ERVAL:		
Vented Sold		Jsed on Lease		Open Hole	Perf.	Uually (Submit /	Comp. ACO-5)	Commingled (Submit ACO-4)		
(If vented, Sul	bmit ACC)-18.)		Other (Specify)						<u></u>

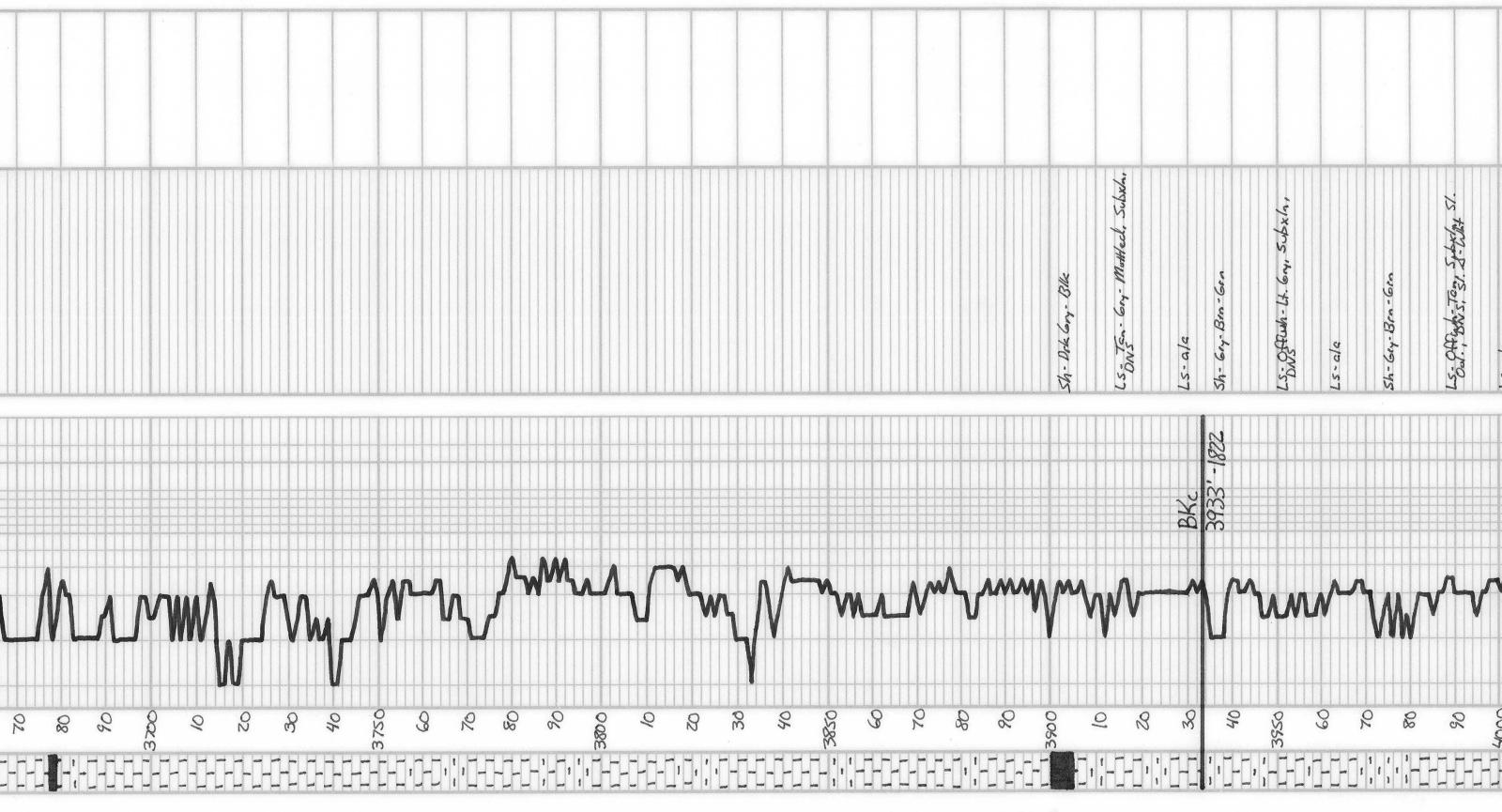
Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Ryersee 2-28
Doc ID	1070272

Tops

Name	Тор	Datum
Anhydrite	1332	779
Chase	2198	-87
Heebner	3564	-1453
Lansing	3610	-1499
ВКС	3930	-1819
Pawnee	4008	-1897
Ft. Scott	4082	-1971
Cherokee	4097	-1986
Mississippian	4188	-2077
LTD	4202	-2091

Hard Rock Consulting, I	nc.	DISE	DETH	100	522	MAKE	TYPE	DEPTH OUT	PEET	HOURS			constant figure de volucione		DRILL ST	TEN
Jason Alm Petroleum Geologist P.O. Box 1260 Hays, KS 67601 APT # 15-135-2526/-0000											No.	Intervol	iFP/Tima	SP/7ma	FFP/time	71
GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE L	OG														enconnectoris descension	
OPERATOR American Warrior, Inc. LEASE Ryersee Well NO. 2-28 FIELD Bazine East LOCATION 760' FSL \$2600' FEL SEC. 28 TWP. 18s RGE ZIW COUNTY Ness STATE Kansas	ELEVATION KB_ZIII' DF GL_ZIO3' Measurements Are All From Kclly Bushing															
COMMETER Discoury Drilling Co., Inc. Rig#3 COMMETER 7-1-2011 RTD 4203' 2900' 8TD	CASING RECORD SURFACE 8 1/8 "@ 1348" PRODUCTION 5 1/2 "@ 41201"	FURNATION	BREDAN		Di	SCRIPTION OF	SHOW	· · · · · · · · · · · · · · · · · · ·	CLARK BOLL	5 1						
DRILLING TIME KEPT FROM _3500' TO RTD SAMPLES EXAMINED FROM _3900' TO RTD GEOLOGICAL SUPERVISION FROM _3900' TO RTD MUD UP _3400' TYPE MUD _Chemical FORMATION LOG Anhydrite 1332', +779 Base 1366' +745	ELECTRICAL SURVEYS Log Tech CNL/CDL, DIL	· · · · · · · · · · · · · · · · · · ·														
Chase 2198'-87 Heebner 3564'-1453 3565'-1454 +1 Lansing 3616'-1499 3612'-1501 FL BKC 3930'-1819 3933'-1822 -3 Pawnee 4008'-1897 4012'-1901 +4 Fort Scott 4082'-1971 4085'-1974 +1 Cherokee 4097'-1986 4100'-1989 +2 Mississippian 41188'-2077 4189'-2078 -7 Total Depth 4202'-2091 4203'-2092	7185 R21w 28 28 28										The location via 3-D seismic survey. The as expected via the survey. One of which recovered con Mississippian Osage Formati been examined the decision production casing to further well.			y. The vey. Tu l comm metion. ecision	en ivo nen /	
REFERENCE WELL FOR STRUCTURAL COMPARISON American Ryersee #4-33 300' FNL \$ 1975' FEL Sec. 3																

DRILL STEM TESTS			Ι.								
FFP/Time FSIP/Time HH-FWN RECONST		0	cation 7.5.20/1								
		REMARKS	2.5								
		REN	- m.a								
	mite 1777		100								
	HHH &		ăe						TITTT		
	Chei	SNO									
	GIAN E	ORIPTI									
	001.Lim	DESC									
		AMPI									
		ŝ									
	GEP et al										
	Cart Cart	30			24		•				
	Shate	15 20			142 142			120			
	She she	0			5		ansing				
		TIME Scale)			Hech 3565		a	199			
tion for the Ryersee # Z-28 was found	Sands	4 5 4 5						Ň			
y. The new well ran structurally		there are and	1 <u>-12</u> 								
very. Two drill stem tests were conducted commercial amounts of oil from the		DRILL Logarit						r	n		
nation. After all gathered date had						/hm_			Π		
rther evaluate the Ryersee # 2-28	nhydrite hydrite		1						Г		
	EEEEE T	ιά							V		
Respectfully Submitted,			0	3 6 7	200	2	8 9	2 R	07	0000	02
Jason T. Al		DEPTH		V (1) 4*	33		R	. (¹)	2 21	30 S	00
7-7-2011		YOOLOHTLI								•	-[-]-[-]-
¥ISL	2022 2001							- a a e l' l'	66.6		



Work on Bareworks Engine	OST #1 Chelokee A" Send 4098'-4125' 30°30°40' TH 1964# TF 20-21# EF 20-21# EF 20-21# DEad FF 20-21# FH 1947# FH 1947# FH 1947# GHT 111°F Recovery: 1'Mucd w/ ailshow HI 90'-4197' 415''45''45'' TF 2017# TF 2017# TF 2017#	EST 1266# FF 42-69# view. FSI 1219F Recours: Recours: Recours: Recours: Sys 051, 55% Water Sys 050, 55% Water Sys 050
Ls-ala Sh- bey- bon Ls. Tga: Lt. Bogs Subala, Ls- ala Ls- ala Ls- Lt. bey, Subala, DIVS	Ls - ala Sh - Eny. Dhe Gry Sh - Eny. Dhe Gry 20 Sh - Blk, Carls Rectron, Park Fin - Subschar Rectron, Park Fin - Subschar Sh. Dhe Eny Sh. Dhe Eny Sh. Ben - En - Cary Sh. Ben - En - Cary Sh. Ben - En - Cary Sh. Ben - En - Cary	
Pawnec 41012'-1901	For + 5cott 20 H085 - 1974 Cherokce	Mississippian Mississippian 16tal Depth 4703'-2092 6
00007 01 02 02 04 04 04 04 04 04 04 04 04 04		14

Geological Report

American Warrior, Inc. **Ryersee #2-28** 760' FSL & 2600' FEL Sec. 28 T18s R21w Ness County, Kansas



American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. Ryersee #2-28 760' FSL & 2600' FEL Sec. 28 T18s R21w Ness County, Kansas API # 15-135-25261-0000
Drilling Contractor:	Discovery Drilling Co. Inc. Rig #3
Geologist:	Jason Alm
Spud Date:	July 1, 2011
Completion Date:	July 7, 2011
Elevation:	2103' Ground Level 2111' Kelly Bushing
Directions:	Bazine KS, East on Hwy 96 2 $\frac{1}{2}$ mi. South and East into location.
Casing:	1348' 8 5/8" surface casing 4202' 5 1/2" production casing
Samples:	10' wet and dry, 3900' to RTD
Drilling Time:	3500' to RTD
Electric Logs:	Log-Tech, Inc. "Kenyon Bange" CNL/CDL, DIL
Drillstem Tests:	Two, Trilobite Testing, Inc. "Ray Schwager"
Problems:	None
Remarks:	None

	American Warrior, Inc.
	Ryersee #2-28
	Sec. 28 T18s R21w
Formation	760' FSL & 2600' FEL
Anhydrite	1332', +779
Base	1366', +745
Chase	2198', -87
Heebner	3564', -1453
Lansing	3610', -1499
BKc	3930', -1819
Pawnee	4008', -1897
Fort Scott	4082', -1971
Cherokee	4097', -1986
Mississippian	4188', -2077
RTD	4203', -2092
LTD	4202', -2091

Formation Tops

Sample Zone Descriptions

Fort Scott (4082', -1971): Not Tested Ls – Fine to sub-crystalline with very scattered pinpoint intercrystalline porosity, mostly barren, mostly dense, fair yellow cut fluorescents, 12 units hotwire.

Cherokee "A" Sand (4100', -1989): Covered in DST #1 SS – Quartz, fine to medium grained, poorly sorted, sub-rounded, fair to well cemented with poor inter-granular porosity in cluster, show of free oil when broken, light yellow cut fluorescents, 20 units hotwire.

Mississippian Osage (4188', -2077'): Covered in DST #2 Dolo $-\Delta$ – Fine sucrosic crystalline with fair vuggy porosity, heavy tripolitic chert, weathered with fair to good vuggy porosity, light to fair spotted oil stain in porosity, show of free oil, fair yellow fluorescents, light to fair odor, 26 units hotwire.

Drill Stem Tests

Trilobite Testing, Inc.

"Ray Schwager"

DST #1	<u>Cherokee "A" Sand</u> Interval (4098' – 4125') Anchor Length 27' IHP – 1964 #	
	IFP -30° – W.S.B.	20-21 #
	ISI -30 " – Dead	41 #
	$FFP - 10^{\circ} - Dead$	21-22 #
	FHP – 1947 #	
	BHT $-111^{\circ}F$	
	Recovery: 1' Mud w/ show of oil	
DST #2	Mississippian Osage	
	Interval (4190' – 4197') Anchor Length 7'	
	IHP – 2017 #	
	IFP $-45''$ – Built to $1\frac{1}{2}$ in.	20-45 #
	ISI -45 " – Dead	1216 #

 $\begin{array}{rll} \text{ISI} & -45^{"}-\text{Dead} & 1216 \ \# \\ \text{FFP} & -45^{"}-\text{Built to } \frac{1}{2} \text{ in.} & 47\text{-}69 \ \# \\ \text{FSI} & -45^{"}-\text{Dead} & 1214 \ \# \\ \text{FHP} & -1906 \ \# \\ \text{BHT} & -121^{\circ}\text{F} \end{array}$

Recovery:	20' Clean Oil	
-	30' OCMW	10% Oil, 50% Water
	60' OCMW	5% Oil, 65% Water

Structural Comparison

	American Warrior, Inc.	American Warrior, Inc.		Oil Producers of Kansas	
	Ryersee #2-28	Ryersee #4-33		Valley View Farms	
	Sec. 28 T18s R21w	Sec. 33 T18s R21w		Sec. 28 T18s R21w	
Formation	760' FSL & 2600' FEL	300' FNL & 1975' FEL		1135' FSL & 1780' FEL	
Anhydrite	1332', +779	1338', +780	(-1)	1336', +777	(+2)
Base	1366', +745	1368', +746	(-1)	NA	NA
Chase	2198', -87	NA	NA	NA	NA
Heebner	3564', -1453	3568', -1454	(+1)	3570', -1457	(+4)
Lansing	3610', -1499	3613', -1499	FL	3615', -1502	(+3)
BKc	3930', -1819	3930', -1816	(-3)	3939', -1826	(+7)
Pawnee	4008', -1897	4015', -1901	(+4)	4017', -1904	(+7)
Fort Scott	4082', -1971	4086', -1972	(+1)	4090', -1977	(+6)
Cherokee	4097', -1986	4102', -1988	(+2)	NA	NA
Mississippian	4188', -2077	4184', -2070	(-7)	4199', -2086	(+9)

Summary

The location for the Ryersee #2-28 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 $5\frac{1}{2}$ inch production casing to further evaluate the Ryersee #2-28 well.

Recommended Perforations

(4188' – 4196')	DST #2
(4085' – 4088')	Not Tested
(2198' – 2204')	Not Tested
	(4085' – 4088')

Respectfully Submitted,

Jason Alm Hard Rock Consulting, Inc.

Inank You!								he	A SALA AL	
		es receipt of the materials and services listed on this ticket.	the materials and serv		D SERVICES The customer hereby acknowledg	CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES	APPIANCE O			SWIFT OPERATOR
		TO RESPOND	CUSTOMER DID NOT WISH TO RESPOND		ι ι					
	ΤΟΤΑΙ	ONO					О Р м	TIME SIGNED	i	DATE SIGNED
	TAX		D JOB	WE OPERALED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	P.O. BOX 466 NESS CITY. KS 67560	NES		ŬS		
			AS THOUT DELAY?	OUR SERVICE WAS PERFORMED WITHOUT DELAY?	INC.	SWIF		MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO	USTOMER OR CU	MUST BE SIGNED BY C
			DIA DC	WE UNDERSTOO			INITY, and	but are not limited to, PAYMENI, RELEASE, INDEMNITY, and	d to, PAYME	I MITED WARPANTY provisions
100 30 12	PAGE IOTAL		t Performed Kdown?	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	REMIT PAYMENT TO:		ich include,	the terms and conditions on the reverse side hereof which include,	nditions on the	the terms and cor
-4		AGREE DECIDED AGREE		SUI			d agrees to	LEGAL TERMS: Customer hereby acknowledges and agrees to	Customer he	LEGAL TERMS:
26 254	18	- 76 mi	12 6636 C/m					7		
637 50	150	5 79392 1bc	73 50		a Charge - Consend	Ser Creek		~		
16050	121		107 100			Flecele		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		12%
637510	1510	-	125 SK		· Corrigant	J.812 -		نىچ نىچ		120
100		~ * *	1 04		6 Plate	Esth		-		713
	1901	2×1	1 400		Les.	1 221		/		Ste
240100	$\mathcal{A}^{\mathcal{H}}$	140	-1 100		- The it X Lary	Ceal		Stree.		211 2
			Sec.1		10	D. Die		/		196
			Sm fai		Alurk	Her		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
and star	- +		14 14		a kit l	Ligue		***		211
	11000	12/10-64		mar have to	Bargo- Kurt Trop 5	Jone .				576 0
19.0			21		Eller	MILEAGE				22
AMOUNT	PRICE	QTY. UM	QTY. UM		DESCRIPTION	₽	ACCOUNTING	SECONDARY REFERENCE/ PART NUMBER	SECOND	PRICE
								INVOICE INSTRUCTIONS		REFERRAL LOCATION
	WELL LOCATION	Well	WELL PERMIT NO.	" - O 24 0						4.
	ORDER NO.	I AVE HE ORDE		VIA			£	U SERVICE	1	<u>4. / ////</u>
Ϋ́́ER	E OWNER			STATE	COUNTYPARISH	EASE		WELL/PROJECT NO.	27	
	PAGE 1						CITY, STATE, ZIP CODE	Inc.	Services,	Sen
<u>o</u> j	TICKET				acrier, LAC.	2	CHARGE TO: ADDRESS			

STANC			Travera + +++		1		ices, Inc.	DATE 7-2-11 PAGE
STOMER	can he	asrier, I	WELL NO.	28	LEASE ALOS	ee c	JOB TYPE Comment Surface	TICKET NO.
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T C	PRESSUR	E (PSI) CASING		
	1815				23 ^{tt} /4			
	1830	[Du lecation Les Float Start 855" Casing -	596. J
							R. DOL DIL - Casing -	ACTET.
							Balfle Plate Epol Ste	<u>e 17. 18'z (*13)</u>
	1950						Cul 1-3-8-27 -4	
							Fin Fin Prong	
							Rig chart cik como	
	2020		<u>, , , , , , , , , , , , , , , , , , , </u>				Set us P.T.	
		6	(Iz)			300	King fin rik. Rung Stager Man A	
		6	20					
		<u> </u>				200	Hump 20 Ber Rel / lus	
							Fin Ausher culling	ICE ON FI CUL
	2100	6				200	Chill and Sub	· · · · · · · · · · · · · · · · · · ·
		6	-17				Stat any Study Co st	G 12 7# /2.1
		-11/2	102				Clean out S" ratue. Start norxing Jud St Start Nixing Jud 150 sto Start Mixing Jud Start Mixing Lea st	(a) 12 = #/a.r
		-11/2	133				Shart MUNING 75 Sts	(a) 13.5 1/a
			153				Fin cant - Release	sell - DI
	2130	10				100	Starl Displ	in top Pray.
		6	30				Coge ERI - Cound Cul	
		6	45				(BUGBEL	<u> </u>
		6	60			3.00	GU BRI	
		5/4	75				12-75 EE1	······
		51/2	66			1	(* 50 BB/	
	2145	6	511/2			175 50	Plus Demai - Coour Hole	- Dore
						2100	Plug Dewn - Casing Hele Class IN / Release , JR	- no lite
							(Cash up) I Reck up	
							•	
	2230						press hand	long to Toe
								Acrea 12 ALEX
							чн, актор (страна) и страна	
								
								······································
							······································	
							· · ·····	
								······································
								<u> </u>

TICKET DORESTING Without any weight TICKET CONSTITUTION Without any weight TICKET CONSTITUTION WITHOUT ANY WEIGHT ANY WITHOUT ANY WITHOUT ANY WITHOUT ANY WITH TO ANY			test a thus I as t		a de teles de l	the second	CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES	CEPTANCE OF MAT	CUSTOMER AC		SWIFT OPARATOR
Non- Non- <th< td=""><td></td><td>TOTAL</td><td>SPOND</td><td>WISH TO RE</td><td>TOMER DID NOT</td><td></td><td>1-00-1-00</td><td>1</td><td>5</td><td></td><td></td></th<>		TOTAL	SPOND	WISH TO RE	TOMER DID NOT		1-00-1-00	1	5		
Inc. TICKET Converts <	• •••••		ð	ERVICE?		ARE YOU SATISF			SIGNED		
TICKET TICKET COMPTIGE TO THE CONTRACT OF T		TAX) Job 7	WE OPERATED T AND PERFORMET CALCULATIONS SATISFACTORILY				VERY OF GOODS	START OF WORK OR DELL
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	407000	r a			IS HOUT DELAY?	OUR SERVICE WI	INC.		ER'S AGENT PRIOR TO	TOMER OR CUSTOM	AUST BE SIGNED BY CUS
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$					D AND S?	WE UNDERSTOO		MNITY, and	RELEASE, INDER	10, PATMENI, 1 NTV movisions	I WITED WADDA
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	5935100				PERFORMED	OUR EQUIPMENT		ich include,	rse side hereof wh	itions on the reve	the terms and cond
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			UN- Decided Agree		VEY	SUR		id agrees to	/ acknowledges ar	ustomer hereby	LEGAL TERMS: (
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$											
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$											
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	150 00	150 00		Jac.			ROTATING HEAD REMAL				919
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	300 00	300 00	 	8		71			-	-	roh
Services, Tr.c. Instruction	225/00	225/00					LATCH DOWN PING . BAFFIE				406
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	210000	2100 00									hoh
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	460.00	230 00		EA	ير		CEMENT BASILETS				403
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	65000	65/00		SA I	ō		CENTRALIZION				402
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	500,00	1 00		5	500		MUDFLUSH	 			281
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	50 00	25/00			2		LEGURD KCL				221
Services, Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Services, Inc.	14 00000	140000	203 4				PUMP CHARGE				578
Services, Inc. Increase Increase <th< td=""><td>100 00</td><td>S 8</td><td></td><td>R</td><td>مر</td><td></td><td>MILEAGE # 110</td><td></td><td>-</td><td></td><td>575</td></th<>	100 00	S 8		R	مر		MILEAGE # 110		-		575
Services, Inc. Instruction Wave the Technic Street Instruction Wave the Technic Street Instruction Instructing Instructing Instrument Instruction Instruction Inst	AMOUNT	PRICE			QTY.			ACCOUNTING		SECONDARY R PART NU	PRICE
Services, Inc. Incention Made to Construction Incention Incention <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td>IVOICE INSTRUCTIONS</td> <td></td> <td></td>				-					IVOICE INSTRUCTIONS		
Services, Inc. CHARGETON WARDE TO THE ZIP CODE 2088	SIE		B ₂	Ś			MSUT S'h"	\vdash	07		4.
CHARGE TO: ADDRESS Services, Inc. PELOCAPONS ESS CATY, K. TICKET TYPE CONTRACTOR RELUPROJECT NO. 2,28 RELUPROJECT NO. 2,28 RELU				למדוא		AND C		C ABAD	ESALES DTS	5	3.
Services, Inc. Interview Water and The Transformed Territory of the Transformed Territory of the Transformed Territory of the	SAME	1-7-11				SHIPPED	8		2 - 28		1. Ness C.5.7.
CITY, STATE, ZIP CODE	<u>د</u>					IST.VE			ELL/PROJECT NO.		<u>8</u>
ADDRESS WARDE THE THE	ନ	PAGE			. . .			CITY, STATE, ZIP		1	
	Jane	2088						ADDRESS			
		TICKET						CHARGE TO:			

STOMER	TAN W	NODE TI	WELL NO. 2-2	8	LEASE RY	ERSEE	JOB, TYPE, LONGSTRING TICKET NO. 20881
CHART	TIME	RATE		PUMPS	PRESSUR	ie (PSI)	DESCRIPTION OF OPERATION AND MATERIALS
NO.	1500	(BPM)		T C	TUBING	CASING	on location
,							
	1600						START S'2" CASING TH WELL
					-		TD-4203 SET. 4202
							TP-4205 S'2* 15.5
							55-43'
			·				CENTERLIZES-1, 2, 3, 4, 42, 44, 45, 46, 47, 48
			· ·			ļ	CMT BSKTS - 5,43
							PORT COLURE 2385' TOP JT # 43
	1755						DROP BALL - CORCULATE ROTAT
	1825	61/2	12	_ /		450	PUMP SOO GAL MUDELUSH
	1827	61/2	20	-		450	PUMP 20 BRIS KCL-FLUSH
· · · · ·	1835		7.5	-			PLUG RH - MH (3095 - 205KS)
	1845	4	30	~		300	MOX COMENT - 125515 EA-2 . 15.4 PP6
	1855						WASH OUT PUMP . LINES
	1856						RELEASE LATCH DOWN PLUG
	1900	7	0	V			DESPLACE RUG
		7	89			650	SHUT OFF ROTATING
	1915	6'2	99			1500	PING DOWN - PST UP LATCH ZN PING
· ·	1917					OK	RELSASE PSZ-HELD
							WASH TRUCK
	2000						JOB COMPLETE
							THANK YOU WANNE, JEFF, JOE LANE
	I					1	Wayse Yest Mac / a.Ve

1 STAINAGE 1 Flockele 1 Flockele 1 Galaxia 1 Johnson 1		ABA COMENT EA-2 1/15 SMS AL SALAR AND AL SA	ALL COMENT EA-2 1/15 SWS ALL SALE ALL SALE
1 Standady Cong 1 Flocele 1 Gaussian 1 Jacobian <		AREA CSANSATT EA-2 1/1/25 S.M.S. A.L. 322 1/1/25 S.M.	ABA CCMSAT EA-2 INIX Suites AL Solues 900 IAS AL Solues INIX Init AL Solues Init Init Init Init Init Init Init Init Init
STANMADA CYNS FLOCEELE SAFT CALSEAL IMAN-312 D-ADA D-ADA		ARE CONST EA-2 1/15 SMS ALC SALE ALC SALE A	ABD CCMSAT EA-2 INIS SMS AL SD las 900 las 1 AL 8 SMS 1 AL 1 1
STANAARA CSANS FLOCELE SARTY D-ADD D-ADD D-ADD D-ADD SERMOE CHARA		ARE CONST EA-2 1/15 SMS ALC SALE ALC SALE A	ABD CCMSAT EA-2. INIS Suits AL Sides 900 luss 900 luss AL 8 Suss 100 luss AL 8 Suss 100 luss AL 8 Suss 100 luss AL 8 Suss 800 luss AL 100 luss 10 luss 10 luss AL 10 luss 10 luss
		EA-2 1/15 SVS 900 VS 900 VS 175 SVS 175 SVS	EA-2 1715 S.M.S 900 45 900 45 1725 1725 1725 1725 1725 1725 1725 1725 1725 1725 1725 1725 1725 1725

「「「「「」」」」

A STATE OF A STATE

CHARGE TO TOPRES AVALUE C. A.M. LL'ET L'. OC TOPRES CONSTRUCTION Instruction of the sense Construction of the sense Construction of the sense Instruction of the sense Inst						INTERIALS AND SERVICES The continue to be areas of Areas	ER ACCEPTANCE OF MAT		SWIFT OPERATOR
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	<u> </u>		ISH TO RESPOND	TOMER DID NOT W		0067-061-001	ļ	107	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$				ED WITH OUR SER	ARE YOU SATISF				DATE SIGNED
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	18	1) ess Twx 70		HE EQUIPMENT	WE OPERATED TO AND PERFORMED CALCULATIONS SATISFACTORILY		OR TO	VERY OF GOODS	START OF WORK OR DELIVER
Convert Convert Multican Martine Tocker Convert				D AND S? IS HOUT DELAY?	WE UNDERSTOO	•	NDEMNITY, and	o, PAYMENI, RELEASE, I NTY provisions.	LIMITED WARRANTY provisions
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	-7-	PAGE TOTAL	DECIDED		OUR EQUIPMENT	· .	es and agrees to of which include,	ustomer hereby acknowledg tions on the reverse side here	LEGAL TERMS: C
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$									
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		·							
$ \begin{array}{ c c c c c c c c } \hline \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	2002	_		10	C	Collar Tool			104
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		\Box				D-JAPP			290
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		eg /	2746			Draward			593
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	J	150	*	222)5		Service Chescer			185
CHARGE TO AMALE Can UTICAT Discrete Discre Discrete Discrete Discret	7000		6		-	CASSTOR			287
CHARGE TO MARE ZO CONTRESS MARE ZO MA	- 11	ccs /		. 1					276
CHARGE TO: CHARGE TO: TICKET 20984 Image: The contraction of t	M	· · •		• •		~ .			330
CHARGE TO: MARE TO: MAR				~ [o Chie			5760
Image: Inclusion of the property of the prope							••••		575
Charge to: Prince Indexes Indexes Indexes Indexes <td>ANOUNT</td> <td>PRICE</td> <td>QTY.</td> <td>_ </td> <td></td> <td></td> <td>ACCOUNTING ACCT</td> <td>SECONDARY REFERENCE/ PART NUMBER</td> <td>PRICE</td>	ANOUNT	PRICE	QTY.	_			ACCOUNTING ACCT	SECONDARY REFERENCE/ PART NUMBER	PRICE
File CHARGE TO. Image: No. DORESS Image: No. DORE Image: No. DORE Image: No. DORE Image: No. DORE Image: No. DORE NO. Image:								INVOICE INSTRUC	REFERRAL LOCATION
CHARGE TO: NULL Can Uation Ticket NULL Can Uation NULL Can NUL	side			WELL PERMIT NO.	Hop	JOB PURPOSE		WELL ITPE	
CHARGE TO: NULL CAM WAT I STATE ZIP CODE CITY, STATE, ZIP CODE COUNTYPARISH ALLO ALLO COUNTYPARISH COUNT		DRDER NO.		DELIVERED TO	AN AN AN AN AN AN AN AN	N-0			5 4 [7
CHARGE TO: NULL CAM WATTING CITY, STATE, ZIP CODE	F	Qu 11		CULA VIIO	STATE STATE		2-28	LS WELLPROJEC	1. The service Local and Carl
Amecian Warrior	OF					SODE	CITY, STATE, ZIP (S,	Serv
		2096		*****		Hneekan Warrior	ADDRESS		
		+] > 7					ICHARGE TO)

JOB TYPE PORT CONCE TICKET NO. 20964 SWIFT Services, Inc. JOB LOG WELL NO. 7 -24 LEASE Ryrisce CUSTOMERY Aperiton Ubilion PRESSURE (PSI) PUMPS CHART VOLUME RATE TIME DESCRIPTION OF OPERATION AND MATERIALS NO. (BPM) (BBL) (GAL) С TUBING CASING 175K SMDw/ & # Flocele Dele SMO up GASSTOP 13×52 pont collar 2388' 0320 on loc TRX 114 test to 1000 ps; - held 0335 1000 1000 ppen port course 0840 On 0845 3 400 010 mix SND @ 112 Prog 400 circ fluid to pit 54 itch to gasstup anit @ 14pp step punging - good circulation no commit to surface 4 4 400 4 18 350 112 tar Juno 8 641 Displeasant H20 R 0920 800 4 tose FORT COLLAR fort to 1000 - held 0430 0132 000 1000 OGUD Run 5 joints Roverse out - 2 cement flags OHE 3 25 300 wash touck RACE up yt canplete -the for Plan lave + PAVE

(I)		DRILL STEM TES		ORT				
	RILOBITE	American Warrior Inc		Ry	ersee #2	2-28		
	ESTING , INC	P O Box 399 Garden City Ks 67846		_	18 s- 21w			
		-			Ticket: 43	-	DST	
		ATTN: Cecil O'Brate		les	t Start: 20	11.07.06	@ 08:50:13	3
	NFORMATION:							
Formation: Deviated: Time Tool Open Time Test Ende		ft (KB)		Tes	ter: I	Conventio Ray Schw 42	nal Bottom ager	Hole
Interval: Total Depth:	4098.00 ft (KB) To 4 125.00 ft (KB) (Th			Ref	erence Ee	evations:		00 ft(KB) 00 ft(CF)
Hole Diameter:	7.85 inchesHole	e Condition: Fair			KB t	o GR/CF:	8.	00 ft
Serial #: 66 Press@RunDep Start Date: Start Time:		 4099.00 ft (KB) End Date: End Time: 	2011.07.06 13:42:07	Capacity Last Cali Time On Time Off	b.: Btm: 2		8000. 2011.07. 6 @ 10:52: 6 @ 12:12:	08
TEST COMM	IENT: 30-IFP-surface t 30-ISIP-no bl 10-FFP-no bl pull tool	ol died in 20min						
	Pressure vs. 7	ime 8825 Temperature			RESSUR			
2000			Time (Min.)	Pressure (psig)	Temp (deg F)	Annota		
1750			03	1964.25 20.24	110.21 109.79	-	dro-static Flow (1)	
1500			33 63	21.52 41.32	109.59	Shut-In(1 End Shut		
				21.26		Open To		
() = 1 S = 1000 			76	22.17	110.28	•		
750 500 250 94M 6 WiedJul 2011	10AM 11AM TIME TO A TIME T		80	1947.89	111.83	Final Hyd	Iro-Static	
						D-4		
Length (ft)	Description	Volume (bbl)			Ga: Choke (i	s Rates	sure (psig)	Gas Rate (Mcf/d)
1.00	Mud w/show of oil	0.00						(
Trilobite Tes		Ref No: 43617				2011 07 (

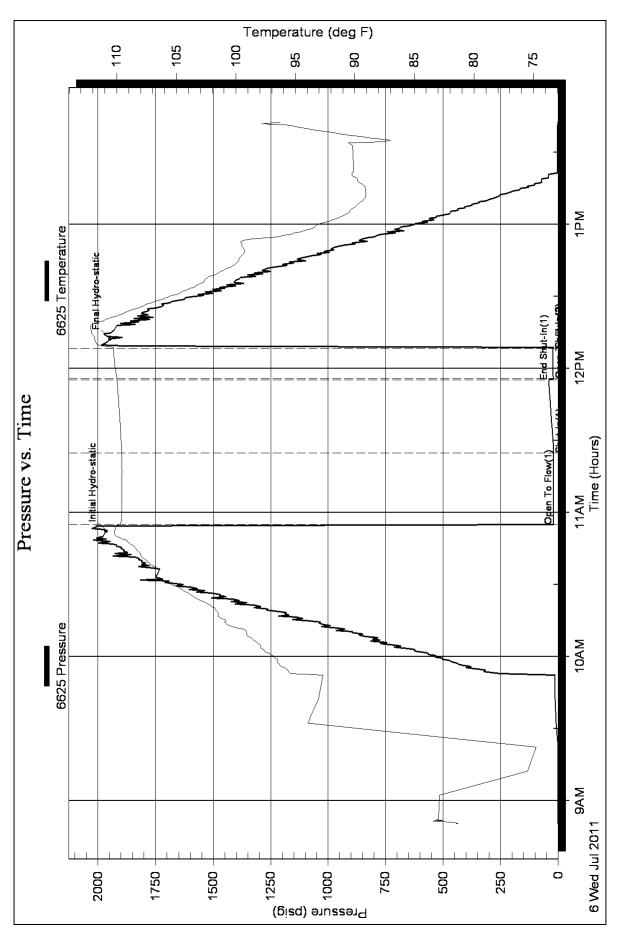
Image: Constraint of the system ESTING, INC Image: Constraint of the system A Image: Constraint of the system B Image: Constraint of the system Constraint of the system Image: Constraint of the system Constraint of the system Image: Constraint of the system Constraint of the system Image: Constraint of the system Constraint of the system Image: Constraint of the system Constraint of the system Image: Constraint of the system Constraint of the system Image: Constraint of the system Constraint of the system Image: Constraint of the system Constraint of the system Image: Constraint of the system Constraint of the system Image: Constres Constraint of the system	Cus Gas Gas 1.00 Mud w/sho 1.00 ft s: 0	846 ate shion Type: shion Length: shion Volume: s Cushion Type: s Cushion Pressure: ecovery Table Description	0.005 bbl 0	Ryersee # 28-18s-21v Job Ticket: 4 Test Start: 2 ft bbl psig Volume bbl 0.009 Serial #	w Ness 43617 2011.07.06 @ 0 Oil API: Water Salinity:		deg API ppm
Mud and Cushion Information Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Viscosity: 53.00 sec/qt Water Loss: 10.36 in ³ Resistivity: ohm.m Salinity: 5700.00 ppm Filter Cake: 1.00 inches Length ft 1 Total Length: Num Fluid Samples: Laboratory Name:	Garden City Ks 678 ATTN: Cecil O'Bra Que Que Que Gae Gae Fre 1.00 Mud w/sho 1.00 ft s: 0	ate shion Type: shion Length: shion Volume: s Cushion Type: s Cushion Pressure: ecovery Table Description ow of oil Total Volume: Num Gas Bombs:	0.005 bbl 0	Job Ticket: 4 Test Start: 2 ft bbl psig Volume bbl 0.005	43617 2011.07.06 @ 0 Oil API: Water Salinity:)8:50:13	
Mud and Cushion Information Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Viscosity: 53.00 sec/qt Water Loss: 10.36 in ³ Resistivity: ohm.m Salinity: 5700.00 ppm Filter Cake: 1.00 inches Length ft Total Length: Num Fluid Samples: Laboratory Name:	Cus Cus Gas Gas 1.00 Mud w/sho 1.00 ft s: 0	shion Type: shion Length: shion Volume: s Cushion Type: s Cushion Pressure: ecovery Table Description ow of oil Total Volume: Num Gas Bombs:	0.005 bbl 0	Test Start: 2 ft bbl psig Volume bbl	2011.07.06 @ 0 Oil API: Water Salinity:)8:50:13	
Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Viscosity: 53.00 sec/qt Water Loss: 10.36 in ³ Resistivity: ohm m Salinity: 5700.00 ppm Filter Cake: 1.00 inches Length ft Total Length: Num Fluid Samples: Laboratory Name:	Cus Gas Gas 1.00 Mud w/sho 1.00 ft s: 0	shion Length: shion Volume: s Cushion Type: s Cushion Pressure: ecovery Table Description ow of oil Total Volume: Num Gas Bombs:	0.005 bbl 0	bbl psig Volume bbl 0.005	Water Salinity:	· · · · · · · · · · · · · · · · · · ·	
Mud Weight: 9.00 lb/gal Viscosity: 53.00 sec/qt Water Loss: 10.36 in ³ Resistivity: ohm.m Salinity: 5700.00 ppm Filter Cake: 1.00 inches Length ft Total Length: Num Fluid Samples: Laboratory Name:	Cus Gas Gas 1.00 Mud w/sho 1.00 ft s: 0	shion Length: shion Volume: s Cushion Type: s Cushion Pressure: ecovery Table Description ow of oil Total Volume: Num Gas Bombs:	0.005 bbl 0	bbl psig Volume bbl 0.005	Water Salinity:		
Length ft Total Length: Num Fluid Samples: Laboratory Name:	1.00 Mud w/sho 1.00 ft s: 0	Description ow of oil Total Volume: Num Gas Bombs:	0	bbl 0.005	-		
ft Total Length: Num Fluid Samples: Laboratory Name:	1.00 Mud w/sho 1.00 ft s: 0	Description ow of oil Total Volume: Num Gas Bombs:	0	bbl 0.005	-		
Total Length: Num Fluid Samples: Laboratory Name:	1.00 ft s: 0	Total Volume: Num Gas Bombs:	0	0.005	-		
Num Fluid Samples: Laboratory Name:	s: 0	Num Gas Bombs:	0	Serial #	÷.		
Laboratory Name:				Serial #	ŧ		



American Warrior Inc

28-18s-21w Ness

DST Test Number: 1



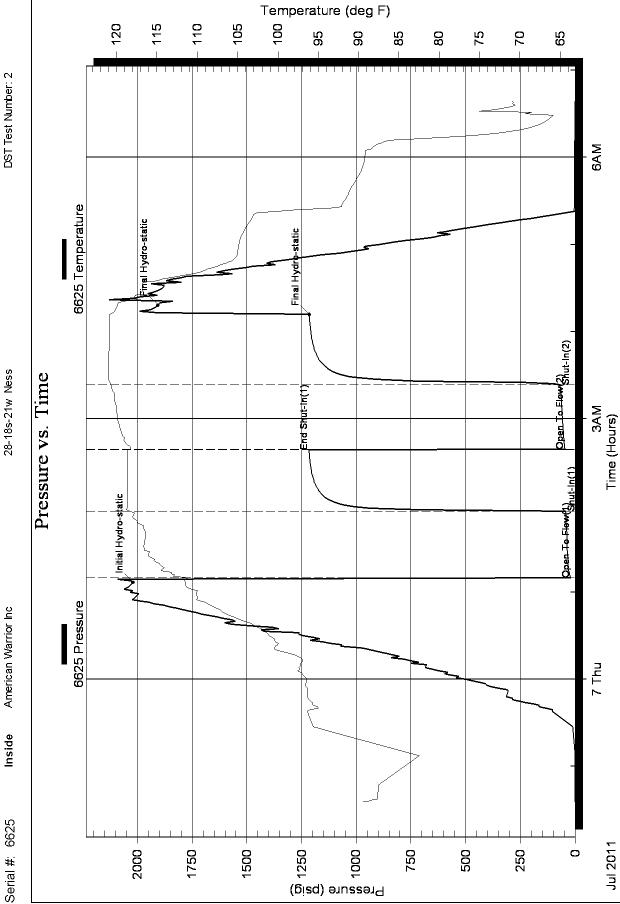
Printed: 2011.07.06 @ 14:24:34 Page 3

Ref. No: 43617

Trilobite Testing, Inc

	- DRILL	DRILL STEM TEST REPORT								
	American v	American Warrior Inc				Ryersee #2-28				
ESTIN	1 0 000 00	P O Box 399 Garden City Ks 67846				18s-21w Ticket: 43		DST	.4. 2	
	ATTN: Ce	cil O'Brate						6 @ 22:35:1		
Time Tool Opened: 01:09:41 Time Test Ended: 06:38:40 Interval: 4190.00 ft (KB) Total Depth: 4197.00 ft					Tes Unit	ter: F No: 4 erence Ele	Ray Sch 12	2111	Hole .00 ft (KB) .00 ft (CF) .00 ft	
Start Date: 201	64 psig @ 4191.0 1.07.06 End D 2:35:16 End T w k bl 1/4"to 1 1/2"bl		2	2011.07.07 06:38:40	Capacity Last Calil Time On Time Off	o.: Btm: 2		8000. 2011.07 07 @ 01:06 07 @ 04:11	:41	
45-FSI	-w k bl, 1/4"to 1/2"bl P-no bl ressure vs. Time				PI	RESSUR	E SUN	MARY		
Jul 2011	2025 Temp	12	бою ростина (deg F)	Time (Min.) 0 3 49 92 92 137 185 192	Pressure (psig) 2017.94 20.46 44.64 1216.19 47.54 68.60 1214.60 1905.56	Temp (deg F) 111.53 111.15 118.33 118.64	Anno Initial H Open T Shut-In End Sh Open T Shut-In Final H	tation ydro-static To Flow (1) (1) ut-In(1) To Flow (2)		
Recovery					Gas Rates					
• .,		Volume (bbl)				Choke (i	nches) P	ressure (psig)	Gas Rate (Mcf/d)	
60.00 OCMW 5%O30 30.00 OCMW 10%O4		0.57								
20.00 CO		0.42								
1										

t	1						
CON-		DRI	ILL STEM TEST REPORT	F	LUID SUMMARY		
LEN I		Americ	can Warrior Inc	Ryersee #	‡2-28		
	RILOBITE	POBo	x 399	28-18s-21	w Ness		
	-		n City Ks 67846	Job Ticket: 4	DST#:2		
		ATTN:	Cecil O'Brate		2011.07.06 @ 22		
uh-aft.							
	Cushion Information						
	Gel Chem		Cushion Type:		Oil A PI:	40 deg API	
Mud Weight:	9.00 lb/gal		Cushion Length:	ft	Water Salinity:	23000 ppm	
Viscosity:	55.00 sec/qt		Cushion Volume:	bbl			
Water Loss:	7.95 in ³ ohm.m		Gas Cushion Type: Gas Cushion Pressure:	noia			
Resistivity: Salinity:	6100.00 ppm		Gas Cushion Pressure:	psig			
Filter Cake:	1.00 inches						
	nformation						
Recovery	mormation		Recovery Table				
	Leng	ıth	Description	Volume	Т		
	ft			bbl			
		60.00	OCMW 5%O30%M65%W	0.568			
		30.00	OCMW 10%O40%M50%W	0.42			
		20.00	СО	0.28	11		
	Total Length:	110	0.00 ft Total Volume: 1.270 bbl				
	Num Fluid Samp	oles: 0	Num Gas Bombs: 0	Serial #	t:		
	Laboratory Nar	ne:	Laboratory Location:				
	Recovery Com	ments: R\	W .34@60F				
1							





43618 Ref. No:

Trilobite Testing, Inc

Jul 2011

DST Test Number: 2

28-18s-21w Ness