

Confidentiality Requested:

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1205093

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM

		•••			•••••	-
WELL	HISTORY	- DESCR	RIPTION	OF V	VELL a	& LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxx) (e.gxxx.xxxxx) Datum: NAD27 NAD83 WGS84
Wellsite Geologist:	
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD ☐ SIOW □ Gas □ D&A □ ENHR □ SIGW	Elevation: Ground: Kelly Bushing:
OG GSW Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:	
SWD Permit #: ENHR Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec Twp S. R East _ West
Recompletion Date Recompletion Date Recompletion Date	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:

	Page Iwo	1205093
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	
INCTRUCTIONS: Charge important tang of formations paratrated Da	tail all aaraa Danart all final	appiag of drill stamp tasta giving interval tastad time tast

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 (Attach Additional Sheets)		Yes No		-	Formation (Top), Depth an		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-o	RECORD Ne		ion, 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 / SQU	EEZE RECORD			
Purpose:	Depth	Turne of Operation	III On also I land		Turne and D		

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

No

No

(If No, skip questions 2 and 3)

(If No, skip question 3)

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

Vas the hydraulic fracturing treatment information submitted to the chemical disclosure registry?					Yes	No (If N	lo, fill out Page Three of the AC	0-1)		
Shots Per Foot		PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated				Ac	cid, Fracture, Shot, Ce (Amount and Kind	ement Squeeze Record of Material Used)	Depth	
TUBING RECORD: Size: Set At			Set At:	t: Packer At:			Liner Rur	n:	No	
Date of First, Resumed Production, SWD or ENHR.			ł.	Producing Method:			Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	S.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION OF GAS:			METHOD OF COMPLE		-		PRODUCTION INTER	RVAL:		
Vented Solo	1 🗌 L	Jsed on Lease		Open Hole	Perf.	Uually (Submit A	Comp. (ACO-5)	Commingled (Submit ACO-4)		
(If vented, Submit ACO-18.)				Other (Specify)				. /		

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	T Isern 3-13
Doc ID	1205093

Tops

Name	Тор	Datum
Anhydrite	1418	803
Heebner	3740	-1519
Lansing	3790	-1569
Base Kansas City	4130	-1909
Pawnee	4261	-2040
Ft. Scott	4284	-2063
Cherokee	4302	-2081
Mississippian	4362	-2141
TD	4390	-2169

HARDRO Consulting, In				o logic] Ig Time and		
Operator Ame	rican W	arrior,	Inc.		El KB	evation 2221'
Lease T. Isern	l		No.	3-13	DF GL	2215'
API # 15-135-		000			Casi	ng Record
		000			Surface 8 5/8	8" @ 222'
Field Bernice					Productio	n ." @ 4384'
Location 335'	FNL &	1670' F	'EL			ical Surveys
Sec. 13	Twp.	20s	Rge.	21w		None
County N	ess	State	Kan	isas		
Formatio	n	Log	Tops	Samp	le Tops	Struct Comp
Anhydrite Base				-	' +803 ' +779	+1
Heebner				3740'	-1519	+3
Lansing				3790'	-1569	+3
BKc					-1909	
Pawnee				-	-2040	
Fort Scott					-2063	+3
Cherokee Mississippian				-	-2081 -2141	+10
Total Depth				4385'	-2164	
Reference Well For 450' FNL & 2210' FEI					nc. T. Iseri	n #1-13

Drilling Contractor	Pet	romark Dril	. Rig #1		
Commenced	2-20-2014	Comp	leted	2-28-2014	
Samples Saved From	n	4050'	То	RTD	
Drilling Time Kept From		3700'	То	RTD	
Samples Examined	From	4050'	То	RTD	
Geological Supervis	ion From	4050'	То	RTD	

Displacement 3600' Mud Type Chemical

Summary and Recommendations

The location for the T. Isern #3-13 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One Drill Stem Tests was conducted 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 1/2 inch production casing to further evaluate the T. Isern #3-13 well.

Respectfully Submitted,

Jason T Alm Hard Rock Consulting, Inc.

blomite	REMARKS	Geo on Loc. 3:30p.m. 2-26-2014 Geolog.reph Not working. 3854': 3859'			DST#1 DST#1 Mississippian Hississ
Limestone 001.Lime Chet D	SAMPLE DESCRIPTIONS	SMMPLE DESCRIPTIONS	i. Eq. Ofted. Subula DNS 1. Eq. Ofted. Subula DNS 1. En. Ben 1. En. Subula DNS 5. Ofted. Ton, Subula DNS	1. Dik Gry-Bik indifend, ^{Li} thory Subala, Sl. indifend, ^{Lit} hory Subala, Sl. 1. Ban-Gan 5. Lit. Gan-Gan 1. Ban-Gan 1. Ban-Gan 1. Ban-Gan 1. Ban-Gan 1. Subala, DNS 5. Physics Ten, Subala, DNS 1. Gan Ban 5. Physics Ten, Subala, Sl. 5. Physics Cal, Subala, Sl.	1- GAT-BAT Can - ala - ala - ala - le bay Suban, DNS - le bay Suban, DNS - Blk Lanb. - Oftenh-le bay Subah, DNS - Subah, DNS - oftenh-le bay Subah, DNS - oftenh
Description Description Description Contraction Description Contraction	DRILLING TIME (Logarithmic Scale)	Mummun Maring Ised and Increases and Increas			H385-216H
Anhydrite	рерти	α - (00 17 1 00 17 1 00 17 1 10 0 00 17 1 10 0 10 0	1

Geological Report

American Warrior, Inc. **T. Isern #3-13** 335' FNL & 1670' FEL Sec. 13 T20s R21w Ness County, Kansas



American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. T. Isern #3-13 335' FNL & 1670' FEL Sec. 13 T20s R21w Ness County, Kansas API # 15-135-25739-0000
Drilling Contractor:	Petromark Drilling, LLC. Rig #1
Geologist:	Jason T Alm
Spud Date:	February 20, 2014
Completion Date:	February 28, 2014
Elevation:	2215' Ground Level 2221' Kelly Bushing
Directions:	Bazine KS, East on Hwy 96 4 mi. to HH Rd. South 9 mi. to 40 Rd. 1 ¹ / ₂ mi. East, South into location.
Casing:	222' 8 5/8" surface casing4384' 5 1/2" production casing
Samples:	10' wet and dry, 4050' to RTD
Drilling Time:	3700' to RTD
Electric Logs:	None
Drillstem Tests:	One, Trilobite Testing, Inc. "Bob Hamel"
Problems:	None
Remarks:	None

	American Warrior, Inc.
	T. Isern #3-13
	Sec. 13 T20s R21w
Formation	335' FNL & 1670' FEL
Anhydrite	1418', +803
Base	1442', +779
Heebner	3740', -1519
Lansing	3790', -1569
BKc	4130', -1909
Pawnee	4261', -2040
Fort Scott	4284', -2063
Cherokee	4302', -2081
Mississippian	4362', -2141
RTD	4385', -2164

Formation Tops

Sample Zone Descriptions

Mississippian Osage (4362', -2141): Covered in DST #1

 Δ – Dolo – Fine sucrosic crystalline with poor to fair intercrystalline and vuggy porosity, very heavy slightly triptolic chert with good scattered vuggy porosity, light to fair oil stain and saturation, slight to fair show of free oil, light odor, fair yellow fluorescents, 20-35 units hotwire.

Drill Stem Tests

Trilobite Testing, Inc. "Bob Hamel"

DST #1	Mississippian Osage Interval (4365' – 4380') Anchor Length 15'	
	IHP – 2256 #	
	IFP -45 " – Built to 2 $\frac{1}{2}$ in.	17-44 #
	ISI -45 " – Dead	1031 #
	FFP -45 " – Built to 1 ¹ / ₄ in.	47-62 #
	FSI -45 " – Dead	992 #
	FHP – 2115 #	
	BHT – 118°F	
	Recovery: 65' CO	
	61' OCM 30% Oil	

Structural Comparison

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	American Warrior, Inc.	American Warrior, Inc.		Associate Petro. Consult.	
	T. Isern #3-13	T. Isern #1-13		Isern #1	
	Sec. 13 T20s R21w	Sec. 13 T20s R21w		Sec. 13 T20s R21w	
Formation	335' FNL & 1670' FEL	450' FNL & 2210' FEL		SE NW NE	
Anhydrite	1418', +803	1413', +802	(+1)	1405', +802	(+1)
Base	1442', +779	NA	NA	1428', +779	FL
Heebner	3740', -1519	3737', -1522	(+3)	3732', -1525	(+6)
Lansing	3790', -1569	3787', -1572	(+3)	3783', -1576	(+7)
BKc	4130', -1909	NA	NA	4122', -1915	(+6)
Pawnee	4261', -2040	NA	NA	NA	NA
Fort Scott	4284', -2063	4281', -2066	(+3)	4277', -2070	(+7)
Cherokee	4302', -2081	NA	NA	4295', -2088	(+7)
Mississippian	4362', -2141	4366', -2151	(+10)	4356', -2149	(+8)

Summary

The location for the T. Isern #3-13 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One drill stem test was conducted 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 $\frac{1}{2}$ in. production casing to further evaluate the T. Isern #3-13 well.

Recommended Perforations

Mississippian Osage:	(4362' – 4382')	DST #1
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Respectfully Submitted,

Jason T Alm Hard Rock Consulting, Inc.

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TIME		1	FLU TOTAL FLUID	Pumped Per Time Period	DATA RATE	CEMENTER Dugyin C DN LOCANDE Hodgafery Bung Stocag Bienk Circuland How Gold Can Bienk Circuland How Sholls for Mix 150 5kg Ce	REMARKS - Rig up Mering ing ing ring
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TIME		1		Pumped Per Time Period	DATA RATE	CEMENTER Dugyin C DN LOCANDE Hodgafery Bung Stocas Bienk Circuland How Shocas How Shocas Conon T did	REMARKS - Rig up - Rig up - Neering ing - nigh Big pind - jobing - shing - shing
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TIME		1		Pumped Per Time Period	DATA RATE	CEMENTER Dugyin C DV Locanor Hodgofery Rung 516 cag Bjeck circulano How 56615 for Mix 150 5ks ca Pring 1258 Shar Conent did plag 1000000000000000000000000000000000000	REMARKS - Rig up - Rig up - Meexing - Me
TIME		1		Pumped Per Time Period	DATA RATE	CEMENTER Dugyin C DN LOCANDE Hodgafery Bung Stocag Bienk Circuland How Shocag Bienk Circuland How Shocag Conon T did	REMARKS - Rig up - Rig up - Meexing - Me
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TIME		1		Pumped Per Time Period 5 6611 35, 79 12,58	DATA RATE	CEMENTER Dugyin C DV Locanor Hodgofery Rung 516 cag Bjeck circulano How 56615 for Mix 150 5ks ca Pring 1258 Shar Conent did plag 1000000000000000000000000000000000000	REMARKS - Rig up - Rig up - Meexing - Me
TIME		1		Pumped Per Time Period	DATA RATE	CEMENTER Dugyin C DV Locanor Hodgofery Rung 516 cag Bjeck circulano How 56615 for Mix 150 5ks ca Pring 1258 Shar Conent did plag 1000000000000000000000000000000000000	REMARKS - Rig up - Rig up - Meexing - Me
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Thank You!	en, des listed on this ticket	es receipt of the materials and see	1.00	CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby arknowled	CEPTANCE OF MAT	CUSTOMER AC	VANE	SWIFT OPERATOR WANE WISSA
Subbots 11,886,38	AVICE?	EOPERATED THE EQUIPMENT ND PERFORMED THE EQUIPMENT ND PERFORMED THE EQUIPMENT ACULATIONS ACULATION	RE YOU	P.O. BOX 466 NESS CITY, KS 67560 785-798-2300		MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS X	AY CUISTOMER OR CL R DELIVERY OF GOC SC + 1+	MUST BE SIGNED BY CU START OF WORK OR DEL X
PAGE TOTAL 7055	AGREE DECIDED AGREE	SURVEY MENT PERFORMED XEAKDOWN? TOOD AND HEEDS? E WAS	SURVEY OUR EQUIPMENT PERFORMED MITHOUT BREAKDOWN? WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS	REMIT PAYMENT TO:	nd agrees to hich include, MNITY, and	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.	Customer hu nditions on the d to, PAYME LANTY provis	LEGAL TERMS: Customer hereby the terms and conditions on the reve but are not limited to, PAYMENT, LIMITED WARRANTY provisions
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DER NO.			A MARK	-	PETROMARK DALG.	SERVICE WINK		3.
DATE OWNER 3-1-14 SAME	DATE 3		STATE Ks	ISERN COUNTYPARISH		WELLIPROJECT NO.	Cary, Ks	SERVICE LOCATIONS
PAGE OF				ODE	CITY, STATE, ZIP CODE	Inc.	Services,	
TICKET 25453		<u>k</u> _		American Wheetone Inc	CHARGE TO: AU		WIF	(5)

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AMERIA	m luber	we Tr.	WELL NO. 3-	·B		LEASE T. T.	SERN	S12 LONGSTRING 25453
CHART NO.	TIME	RATE (BPM)	(BBL) (OAL)	PUMP T	98 C	PRESSUR		DESCRIPTION OF OPERATION AND MATERIALS
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	0945							DROP BALL - CORCUMPTE ROTATE
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TIMIN TON:							Louid Kuchit	
Thank Vaul		es listed on this ticket.	ledges receipt of the materials and services listed on this licket		CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknow	CUSTOMER ACCEPTANCE OF MAT		SWIFT OPERATOR
5389 13		D RESPOND	CUSTOMER DID NOT WISH TO RESPOND		/ 85-/98-23UU	ILCO KPM		41-7.5
'		I NO	ARE YOU SATISFIED WITH OUR SERVICE?	ARE YOU SATISFI			TIME SIGNED	DATE SIGNED
179 52	1/252 11XX 6.15/0) JOB	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	P.O. BOX 466		START OF WORK OR DELIVERY OF GOODS	START OF WORK OR DE
	7		NS HOUT DELAY?	PERFORMED WITHOUT DELAY?	SWIFT SERVICES, INC.	3 AGENT PRIOR TO	ANTY provisions.	LIMITED WARRANTY provisions.
			D AND S?	WE UNDERSTOOD AND MET YOUR NEEDS?		but are not limited to, PAYMENT, RELEASE, INDEMNITY, and	to, PAYMENT, REI	but are not limited
12/0/22	PAGE TOTAL	EE DECIDED AGREE	PERFORMED AGREE	OUR EQUIPMENT PER	REMIT PAYMENT TO:	LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include.	Customer hereby acl ditions on the reverse	the terms and cond
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AMOUNT	UNIT	QTY. UM	QTY. UM		DESCRIPTION	RENCE/ ACCOUNTING R LOC ACCT DF	SECONDARY REFERENCE/ PART NUMBER	PRICE
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 	PAGE 1				XODE	CITY. STATE, ZIP CODE	Services, Inc	Sen
						ADDRESS		
26118	TICKET				AMERICAN WARRIOR	ġ	WIFT	5

JOB LO)G			Ø)	SWIFT	Sorni	ices, Inc.				
ATTERIZAN WARRIOR WELL NO.								13-13 LEMENT PORT COLLAR TICKET NO. 2611				
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUN	PS C	PRESSUR		DESCRIPTION OF OPERATION AND MATERIALS				
	1400							ON LOCATION				
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					 		ļ	PORT COLLARE 1380				
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DRILL STEM TEST REPORT

Prepared For:

American Warrior

PO Box 399 Garden City, KS 67846

ATTN: Jason Alm / Scott Co

T Isern #3-13

13-20s-21w Ness,KS

 Start Date:
 2014.02.28 @ 15:00:00

 End Date:
 2014.02.28 @ 22:48:00

 Job Ticket #:
 56157
 DST #:
 1

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

	DRILL STEM TES	ORT	RT				
	American Warrior	13-2	13-20s-21w Ness,KS				
ESTING , INC	PO Box 399 Garden City, KS 67846		-	ern #3-'	-	507	
	ATTN: Jason Alm / Scott Co	Job Ticket: 56157 DST#:1 Test Start: 2014.02.28 @ 15:00:00					
GENERAL INFORMATION:							
Formation: Mississippi							
Deviated: No Whipstock: Time Tool Opened: 16:49:30 Time Test Ended: 22:48:00	Test Type: Conventional Bottom Hole (Ini Tester: Bob Hamel Unit No: 67					Hole (Initial)	
Interval:4365.00 ft (KB) To4Total Depth:4380.00 ft (KB) (1Hole Diameter:7.88 inches Ho		Reference Elevations: 2221.00 ft (KB) 2215.00 ft (CF) KB to GR/CF: 6.00 ft					
Serial #: 6625 Outside Press@RunDepth: 62.11 psig Start Date: 2014.02.28 Start Time: 15:00:01	 @ 4366.00 ft (KB) End Date: End Time: 	2014.02.28 22:48:00	Capacity: Last Calib Time On I Time Off	o.: Btm: 2		8000.0 2014.02.2 3 @ 16:46:3 3 @ 20:00:3	30
TEST COMMENT: I.F 45 - Weak I.S.I 45 - No b F.F 45 - Weal F.S.I 45 - No Pressure vs.	low back surface blow built to 1 1/4" blow back	1					
Pressure vs. T 605 Pressure	Time Total Standard Stand Standard Standard Stand Standard Standard Stan Standard Standard Stand Standard Standard Stand	Time	PF Pressure	Temp	RE SUM		
X X		(Min.)	(psig) 2256.29	(deg F)			
		03	17.58	105.88 106.66	Initial Hyc Open To		
1200		49	43.68 1031.17	111.88			
		94	47.78		End Shut Open To	• •	
		142	62.11	116.18	Shut-In(2)	
500		189 194	992.19 2115.75	118.11 115.85	End Shut Final Hyd		
25 Fri Feb 2014							
Recovery				Gas	s Rates		
Length (ft) Description	Volume (bbl)			Choke (ii	nches) Pres	sure (psig)	Gas Rate (Mcf/d)
61.00 O,C,M, 30 % OL 70 %							
65.00 CLEAN OIL 100%	0.32						
Trilobite Testina. Inc	Ref. No: 56157				004 : 55	4 @ 11:43	

	DRILL STEM TES	DRT				
RILOBITE TESTING, INC	American Warrior	13-20s-21w Ness,KS				
ESTING, INC	PO Box 399 Garden City, KS 67846	T Isern #3-13 Job Ticket: 56157 DST#:1				
	ATTN: Jason Alm / Scott Co				8 @ 15:00:00	
GENERAL INFORMATION:						
Formation:MississippiDeviated:NoWhipstock:Time Tool Opened:16:49:30Time Test Ended:22:48:00	ft (KB)		Test Type Tester: Unit No:	: Conventi Bob Harr 67	ional Bottom H nel	lole (Initial)
Interval:4365.00 ft (KB) To43Total Depth:4380.00 ft (KB) (The second secon		Reference Elevations: 2221.00 ft (KB) 2215.00 ft (CF) KB to GR/CF: 6.00 ft				00 ft (CF)
Serial #: 8166InsidePress@RunDepth:psigStart Date:2014.02.28Start Time:15:00:02	-	2014.02.28 22:48:00	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.0 1899.12.3	00 psig 30
F.S.I 45 - No b	ow back surface blow built to 1 1/4" low back					
Pressure vs. 7	تine کاری است. 1000 Temperature			SURE SUN		
220		Time (Min.)	Pressure Ten (psig) (deg	· ·	tation	
Recovery				Gas Rates	5	
Length (ft) Description	Volume (bbl)		Cr	ioke (inches) Pi	ressure (psig)	Gas Rate (Mcf/d)
61.00 O,C,M, 30 % OL 70 % N 65.00 CLEAN OL 100%	/UD 0.30 0.32					
	Ref. No: 56157			ted [,] 2014 03		

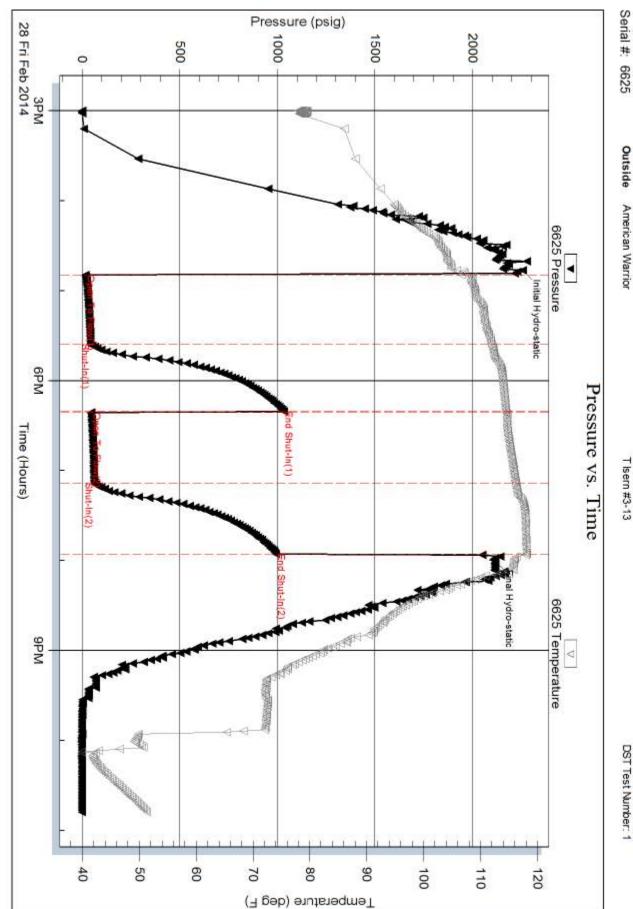
		DITE	DRI	TOOL DIAGRAI				
	RILUE	BITE STING , INC	America	6				
	ES1	TNG , INC	PO Box	399			T Isern #3-13	
			Garden	City, KS 678	46		Job Ticket: 56157	DST#:1
NO.			ATTN:	Jason Alm/	Scott Co		Test Start: 2014.02.28 @	0 15:00:00
Tool Informatio	 on		ļ					
Drill Pipe:	Length:	4225.00 ft	Diameter:	3.80 ind	ches Volume:	59.27 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	2.70 ind	ches Volume:	- bbl	Weight set on Packer	: 30000.00 lb
Drill Collar:	Length:	126.00 ft	Diameter:	2.25 inc	ches Volume:	0.62 bbl	Weight to Pull Loose:	70000.00 lb
Drill Pipe Above k	KB.	6.00 ft			Total Volume:	- bbl		0.00 ft
Depth to Top Pac		4365.00 ft					String Weight: Initial	54000.00 lb
Depth to Bottom F		ft					Final	54000.00 lb
Interval between		15.00 ft						
Tool Length:		35.00 ft						
Number of Packe	ers:	2	Diameter:	6.75 ind	ches			
Tool Comments:								
Tool Description	on	Le	ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
a a =	b							
Change Over Sul			1.00			4346.00		
-			1.00 5.00			4346.00 4351.00		
Shut In Tool								
Change Over Sul Shut In Tool Hydraulic tool Packer	-		5.00			4351.00	20.00	Bottom Of Top Packe
Shut In Tool Hydraulic tool Packer			5.00 5.00			4351.00 4356.00	20.00	Bottom Of Top Packe
Shut In Tool Hydraulic tool Packer Packer			5.00 5.00 4.00			4351.00 4356.00 4360.00	20.00	Bottom Of Top Packe
Shut In Tool Hydraulic tool Packer Packer Stubb			5.00 5.00 4.00 5.00	6625	Outside	4351.00 4356.00 4360.00 4365.00	20.00	Bottom Of Top Packe
Shut In Tool Hydraulic tool Packer Packer Stubb Recorder			5.00 5.00 4.00 5.00 1.00	6625 8166	Outside Inside	4351.00 4356.00 4360.00 4365.00 4366.00	20.00	Bottom Of Top Packe
Shut In Tool Hydraulic tool Packer Packer Stubb Recorder Recorder			5.00 5.00 4.00 5.00 1.00 0.00			4351.00 4356.00 4360.00 4365.00 4366.00 4366.00	20.00	Bottom Of Top Packe
Shut In Tool Hydraulic tool			5.00 5.00 4.00 5.00 1.00 0.00 0.00			4351.00 4356.00 4360.00 4365.00 4366.00 4366.00 4366.00		Bottom Of Top Packe

Shion Information Shion Information Shion Shipped Ship	ATT ation	rican Warrior ox 399 en City, KS 67846 v: Jason Alm / Scott C Cushion Typ	Co		T Isern #3 Job Ticket:)ST#: 1		
shion Informa I Chem 9.00 lb/gal 56.00 sec/q 8.37 in ³	ATT ation	len City, KS 67846 N: Jason Alm / Scott C Cushion Typ	Co		Job Ticket:)ST#:1		
l Chem 9.00 lb/gal 56.00 sec/q 8.37 in³	ation	Cushion Typ	Co						
l Chem 9.00 lb/gal 56.00 sec/q 8.37 in³						2014.02.28 @ 15:00	Test Start: 2014.02.28 @ 15:00:00		
9.00 lb/gal 56.00 sec/q 8.37 in³									
56.00 sec/q 8.37 in³			pe:			Oil API:	37 deg API		
8.37 in ³	ł	Cushion Ler	ngth:		ft	Water Salinity:	ppm		
	ι	Cushion Vol	lume:		bbl				
0.00 ohm.n		Gas Cushio	n Type:						
	n	Gas Cushio	n Pressure		psig				
8000.00 ppm									
1.00 inches	\$								
formation		Baaavan	Tabla						
[Length				Volume	7			
	ft				bbl				
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<u> </u>	65.00	CLEAN OIL 100%			0.32	<u>)</u>			
Total Le	ngth: 1	26.00 ft Total Vol	lume:	0.620 bbl					
Laborat	ory Name:	Laborato	ory Location		Serial #	:			
	Num Flu Laborat	Length ft 61.00 65.00 Total Length: 12 Num Fluid Samples: 0 Laboratory Name:	Length ftDescript61.00O,C,M, 30 % OIL 765.00CLEAN OIL 100%Total Length:126.00 ftNum Fluid Samples: 0Num GasLaboratory Name:Laborator	Recovery TableLength ftDescription61.00O,C,M, 30 % OIL 70 % MUD65.00CLEAN OIL 100%Total Length:126.00 ftTotal Volume:Num Gas Bombs:	Recovery Table Length Description 61.00 O,C,M, 30 % OIL 70 % MUD 65.00 CLEAN OIL 100% Total Length: 126.00 ft Num Fluid Samples: 0 Num Gas Bombs: 0 Laboratory Name: Laboratory Location:	Recovery Table Length Description Volume ft 0.0, C, M, 30 % OIL 70 % MUD 0.300 61.00 0, C, M, 30 % OIL 70 % MUD 0.300 65.00 CLEAN OIL 100% 0.320 Total Length: 126.00 ft Total Volume: 0.620 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial # Laboratory Name: Laboratory Location: Category Category	Recovery TableLength ftDescriptionVolume bbl61.00O,C,M, 30 % OIL 70 % MUD0.30065.00CLEAN OIL 100%0.320Total Length:126.00 ftTotal Volume:0.620 bblNum Fluid Samples: 0Num Gas Bombs:0Serial #:Laboratory Name:Laboratory Location:Laboratory Location:		

Printed: 2014.03.04 @ 11:43:14

Ref. No: 56157

Trilobite Testing, Inc



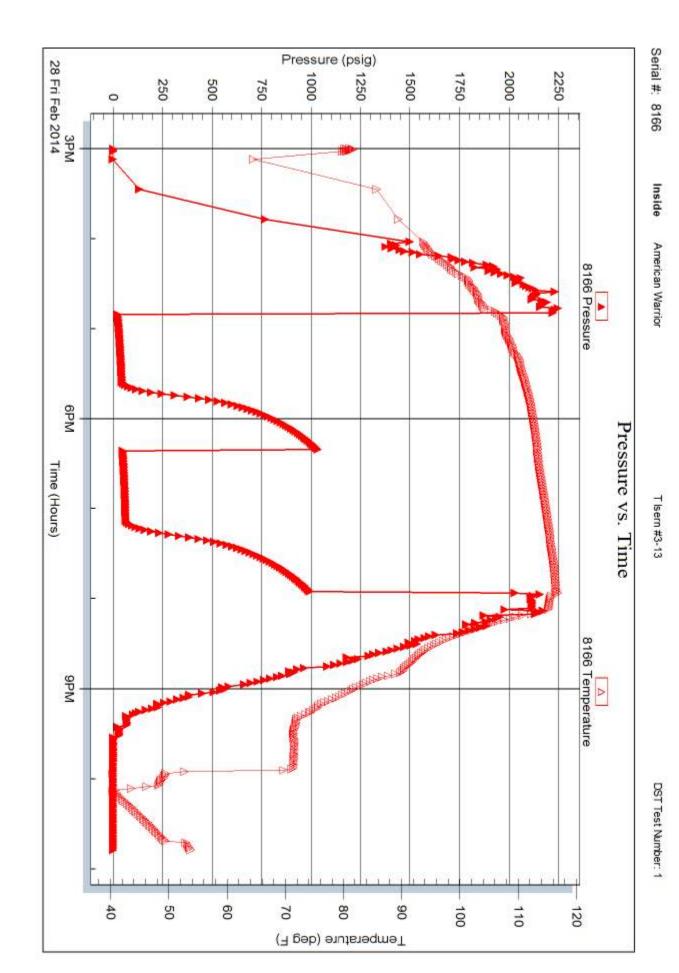
DST Test Number: 1

Serial #: 6625 Outside American Warrior

Printed: 2014.03.04 @ 11:43:14

Ref. No: 56157

Trilobite Testing, Inc



RILOBITE		Tes	Test Ticket			
4/10 ESTING INC. 1515 Commerce Parkway	 Hays, Kansas 67601 	NO.	56157			
Well Name & No. T. ISern #3-1 Company American Warrior Address 3/18 Cummings KD, Co. Rep / Geo. Jason 91m, / Scuth Location: Sec. 13 Twp. 20 S. Interval Tested 9365-9380 Anchor Length 15 Top Packer Depth 9360 Bottom Packer Depth 9365 Total Depth 9380 Blow Description I.F-95-1/2JNT.F	Elevatio <u>P.o. Box 399 Gam</u> <u>CorSq.r</u> Rig <u>Pe</u> <u>Rge. 21 W</u> co. <u>M</u> Zone Tested <u>M.SS</u> , Drill Pipe Run <u>4225</u> Drill Collars Run <u>126</u> Wt. Pipe Run <u>Chlorides 8,000</u>	n_2221				
I.S.I. 45-NO B.B. F. F-95W, S. B. Starded (2) S F.S.I 15N & B.B. Rec 65 Freet of Clean oil	min, Built to 1/4 %gas	100 %oil	n,) %water %mu			
Rec 6/ Feet of 0, C, M	%gas	2	%water 70 %mu			
Rec Feet of	%gas	%oil	%water %mu			
Rec Feet of	%gas	s %oil	%water %mu			
Rec Total 126 BHT 116 (A) Initial Hydrostatic $2, 223$ (B) First Initial Flow 18 (C) First Final Flow 44 (D) Initial Shut-In $1, 031$ (E) Second Initial Flow 48 (F) Second Final Flow 62 (G) Final Shut-In 992 (H) Final Hydrostatic $2, 116$ Initial Open 45 Initial Shut-In 45 Final Flow 45	Gravity 3 7 API RW	T-On T-Star T-Ope T-Pull T-Out 179.80	F Chloridespp Location $\underline{/9.10.00}$ rted $\underline{/5.00.00}$ ed $\underline{/9.50.00}$ 22.48.10 ments ruined Shale Packer ruined Packer ruined Packer ruined Packer Stra Copies Fotal0 1754.80			
Approved By	Sub Total <u>1754.80</u> Our Representa	-R	Mand			

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.