

Confidentiality Requested:

Yes No

#### Kansas Corporation Commission Oil & Gas Conservation Division

1220367

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

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

OPERATOR: License #			API No. 15		
Name:			Spot Description:		
Address 1:			Sec.	TwpS. R	East West
Address 2:			F	eet from North /	South Line of Section
City: S	tate: Zi	D:+	F	eet from East /	West Line of Section
Contact Person:			Footages Calculated from	Nearest Outside Section	Corner:
Phone: ()			□ NE □ NV	W □SE □SW	
CONTRACTOR: License #			GPS Location: Lat:	. Lona:	
Name:				(e.g. xx.xxxxx)	(e.gxxx.xxxxx)
Wellsite Geologist:			Datum: NAD27	NAD83 WGS84	
Purchaser:			County:		
Designate Type of Completion:			Lease Name:	V	Vell #:
	-Entry	Workover	Field Name:		
	_		Producing Formation:		
☐ Oil ☐ WSW	SWD	SIOW	Elevation: Ground:	Kelly Bushinç	g:
☐ Gas ☐ D&A	☐ ENHR	SIGW	Total Vertical Depth:	Plug Back Total	Depth:
OG OM (Cool Book Mathema)	GSW	Temp. Abd.	Amount of Surface Pipe Se	_	
<ul><li>☐ CM (Coal Bed Methane)</li><li>☐ Cathodic ☐ Other (Contact of the Contact of the Conta</li></ul>	o Evol oto):		Multiple Stage Cementing		
			If yes, show depth set:		
If Workover/Re-entry: Old Well In			If Alternate II completion, o		
Operator:			feet depth to:		
Well Name:			leet deptri to	w/	SX CIIII.
Original Comp. Date:	_				
Deepening Re-perf.		NHR Conv. to SWD	Drilling Fluid Manageme (Data must be collected from t		
☐ Plug Back	Conv. to GS	SW Conv. to Producer	(Data must be collected from t	lile rieselve rilj	
Commingled	Permit #:		Chloride content:	ppm Fluid volum	e: bbls
Dual Completion			Dewatering method used:		
SWD	Permit #:		Location of fluid disposal if	f hauled offsite:	
☐ ENHR	Permit #:		On a water Name		
GSW	Permit #:		Operator Name:		
			Lease Name:		
Spud Date or Date Rea	ached TD	Completion Date or	QuarterSec	TwpS. R	
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:							



Operator Name:			Lease Name: _			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ring and shut-in pressu	ormations penetrated. Eures, whether shut-in predict final chart(s). Attach	essure reached stati	c level, hydrosta	atic pressures, bott		
		otain Geophysical Data a or newer AND an image		gs must be ema	ailed to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taker (Attach Additional S		Yes No		_	on (Top), Depth an		Sample
Samples Sent to Geo	logical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING	RECORD Ne	ew Used			
		Report all strings set-	conductor, surface, inte	ermediate, product	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
	Donth		. CEMENTING / SQL	JEEZE RECORD			
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used		Type and P	ercent Additives	
	ulic fracturing treatment o	n this well?		Yes	No (If No, ski	p questions 2 aı	nd 3)
Does the volume of the to	otal base fluid of the hydr	aulic fracturing treatment ex submitted to the chemical	_	= :	No (If No, ski	p questions 2 at p question 3) out Page Three	
Shots Per Foot	PERFORATION Specify For	N RECORD - Bridge Plug ootage of Each Interval Per	s Set/Type forated		cture, Shot, Cement mount and Kind of Ma		d Depth
				,			
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or ENH	IR. Producing Meth		Gas Lift (	Other (Explain)		
Estimated Production Per 24 Hours	Oil B	bls. Gas	Mcf Wate	er B	bbls. G	as-Oil Ratio	Gravity
DISPOSITIO	ON OF GAS:	Open Hole		Comp. Con	mmingled	PRODUCTIO	ON INTERVAL:
(If vented, Sul	bmit ACO-18.)	Other (Specify)	(Submit )	400-5) (Sub	omit ACO-4)		

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Blaesi 5-6
Doc ID	1220367

### Tops

Name	Тор	Datum
Lansing	4218'	-426
Marmaton	4570'	-778
Pawnee	4656'	-864
Cherokee	4722'	-930
morrow	4950'	-1158
Morrow Sand	4970'	-1178
Morrow Lime	5068'	1276
Mississippian	5116'	-1324

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Blaesi 5-6
Doc ID	1220367

### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	"		Type and Percent Additives
Surface	12.250	8.625	24	404	common		3%CC, 2% gel
Production	7.875	5.50	15.5	5183	EA-2	125	

# ALLIED OIL & GAS SERVICES, LLC 063561 Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999

SERVICE POINT:

SOUTH		TEXAS 760				Great B	end KS
DATE 7-25-14	SEC.	TWP.	RANGE 4/	CALLED OUT 8:30 AM	ON LOCATION	JOB START 3:30 PM	JOB FINISH 4:30 PM
LEASE Blacs	WELL#	5-6	LOCATION Tribus	2711 911	1<	COUNTY	STATE
OLD OR NEW (Ci			777200	DE AAN 7W	13	WAllace	1 // >
TO MAKE STOCKS AND ASSOCIATE THE SAMPLES OF	Car South	SOUTH					
CONTRACTOR				OWNER			
TYPE OF JOB				-			
HOLE SIZE 12 1			404	CEMENT	22.00	CLASS A	
CASING SIZE &	18 28		TH %4	_ AMOUNT O	RDERED 265	3%10	2 Gel
TUBING SIZE		DEF					
DRILL PIPE		DEF	TH				
TOOL		DEF	TH	_			
PRES. MAX		MIN	NIMUM	COMMON_	265	@n. 90	4.743.
MEAS, LINE			DE JOINT	POZMIX _		@	
CEMENT LEFT IN	CSG. /	5 FT		GEL	498	@.50	249.00
PERFS.				CHLORIDE	747	@1.10	821,70
DISPLACEMENT	420	24.3	1 885	ASC		@	
			t side of the side		atrials 7		5.814.
	EQ	UIPMENT		- //1	Dise	@ 25%	1. 453.
				_	- Die		1.752.
PUMP TRUCK	CEMENT	TER Keur	v Eddy				-
		BrIAN		*		@	
BULK TRUCK		-		-		@	
	DRIVER	DAN C	45046			@	
BULK TRUCK	214.21	WIND C	rsper	-	ک ــــــ	service_	
	DRIVED	01 /4	S Kinyon			@	
	DRIVER	Charge	S KINYON	<ul> <li>HANDLING</li> </ul>	286.55	@ 2.48	710.64
				MILEAGE 1	3.67 x 50	× 2.75	1.797.
	5 5 Hut	DOWN RC	lease Plug Displ				
The second secon	420 Ce	ment di	d circ stut		CK CHARGE	1512.3	2
in				_ EXTRA FOO		@	
				_ MILEAGE _	HUM 50	@7.70	385.20
				<ul> <li>MANIFOLD</li> </ul>		@	
					hum 50	@ 4.40	720.9
						@	
CHARGE TO: A	menic	AN WA	rrior	_		Wasango W	11125
CTREET						. TOTA	4.625.
STREET						Disc 25%	1.120
CITY	S	TATE	ZIP	_	PLUG & FLO	AT EQUIPME	
4				-54 0			
				8-18 Ku	bber Plug	131.	707
						@	
						@	
To: Allied Oil &	Gas Ser	vices, LLC		-		@	
			nenting equipment			@	
Tou are neredy f	cquested	holosz(a)	noming equipment			@	
and furnish ceme	enter and	neiper(s)	to assist owner or				
			he above work was			OS TOTA	L 131.00
done to satisfact	ion and s	supervision	of owner agent or			O IOIN	
contractor. I have	ve read as	nd understa	and the "GENERAL		( AE A		
			d on the reverse side	VALES IAX	(If Any)		
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		1 9			2.6	09.80	(25/25/0.
PRINTED NAME	- /\i'	the w	heelek	_ DISCOUNT		IF PA	AID IN 30 DAY
AND PROPERTY WAS SOMEOUT TO STATE OF THE					50	110 41	
CICNIATURE	H.	A 11	harla		1.7	60, 4)	=

S	WIF	T		CHARGE TO:	A	MEDIAN	WARRIOR I	Ńς						TIC	KET	2667	9
Sen	vices,	Inc.	o	CITY, STATE,	ZIP CO	DDE			-					PAG	E 1	OF 2	
SERVICE LOCATIONS  1. PESS C.  2.  3.		WELL/PROJECT N  TICKET TYPE CO SALES  WELL TYPE	6 ONTRACT	TOR KE O	ELL CA	BLAEST  # 4 TEGORY DELOPMENT	RIG NAME/NO.	AUACE	Ks	DELIVERED T	OCAT	<b>7</b> 0√	OR WE	TE  8-3-14  DER NO.  LL LOCATION		NER SAME	
REFERRAL LOCATION	1	INVOICE INSTRUC		A CCOUNTIN	10	1											
PRICE REFERENCE		RY REFERENCE/ NUMBER	LOC	ACCOUNTIN ACCT	DF		DESCRIPTION	N		QTY.	U/M	QTY.	U/M	UNIT PRICE		AMOUNT	
_575			1			MILEAGE # 114	<u> </u>			150	ME			Ь	00	900	10
578			1			PUMP CHA	RGE			1	O B	5185	F	1500	00	1500	1
221			1			LIONS K	CL			2	GAL			25	00	50	0
781			1			MUDFLUS	Н			500	GAL			1	25	625	O
402			1		1	CENTRALIZ				9	EA	51/2	11	70	00	630	or
403	ļ		1		1	CEMENT B				3	EA			300	00	900	00
404			1		1	PORT COW	^				EA	2737	F	2900	00	2900	O
406			1		18		200 - 100 - 1			1	EΑ			275	$\infty$	275	OC
407			1		1 5		LOGY SHOE "	JAVO F	al	1	EA		$\Box$	375	00	375	$\infty$
419			1			ROTATENG)	HEAD RENTAL			1	308			200	00	200	00
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LIMITED WARR						SWIFT S	SERVICES, I	<u></u>	MET YOUR NEED OUR SERVICE WA PERFORMED WIT	S	+	_		pt.	2	6056	88
MUST BE SIGNED BY CL START OF WORK OR DE			IOR TO			P.C	). BOX 466	V	WE OPERATED TO AND PERFORMED CALCULATIONS	HE EQUIPMENT JOB	$\dagger$		.,	SUBTOT	»[	14,411	88
X KIFK DATE SIGNED 8-3-		IME SIGNED 070	00	A.M.	1		CITY, KS 675 5-798-2300		SATISFACTORILY NRE YOU SATISFI		SERVICE	? □ NO	L V	TOTAL	17	15 044	5

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

SWIFT OPERATOR WAYNE WOSON

CUSTOMER DID NOT WISH TO RESPOND

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PO Box 466

TICKET CONTINUATION

No. 26679

CONTINUATION TOTAL

6056,88

ica			y, KS 675 5-798-23			AMERITAN WARRIOR TIX	BLASS	I	5-6	DATE 8-3-14	PAGE 10F2
ICE	SECONDARY REFERENCE/ PART NUMBER	Loc	ACCOUNTIN	NG DF	TIME	DESCRIPTION	QTY	U/M	QTY U/M	UNIT PRICE	AMOUNT
5		1				STADONAL CEMENT EA-2	175	SKS		14 50	2537 5
		1	<b>†</b>			FLOCELE	1	lus		250	12510
		T;				SALT	900	عهاا	1	20	180 0
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							GUBIC FEE	1_			
01/711000/101		1				SERVICE CHARGE	TON MILES		175	200	
		1				MILEAGE TOTAL WEIGHT LOADED MILES	FURN MILLES	13	374.38	1 100	13741.

JOB	100
JUB	1 ( )( -
000	

SWIFT Services, Inc.

DATE 8-3-14 PAGE NO

)G				000111	Jew	ceo, inc.	8-3-14 17
ICAN WAS	eroe Toc	WELL NO.	Ь	LEASE BO	AEST	JOBTYPE LONGSTRING	TICKET NO. 26679
TIME			PUMPS T C	PRESSUI	RE (PSI)	DESCRIPTION OF OPERATION	AND MATERIALS
0600						ON LOCATZON	
0615						START 5 1/2" CASTUR IN	Neu
						TD-5195 SI	T < 5183
						l .	124 15,5
						ST-42'	
						CENTRALDERS-1,35,79,	11,13,15,57
						CMT BSKIS-8,57 58	***
			-		3,500	Ber Couxe = 2737	Top # 58
0830						DROP BALL - CXCOLATE	ROTATE
0920	Ь	12	/		500	PUMP 500 GAL MUDFLOSH	
0922	Ь	20			500	Pump 20 BBS KCL FLUSI	H
0930		7				PLUG RH (30sxs)	
0935	4	35	/		250	Max CEMENT - 145 SUS EA	2 e 15.4 AA
0945						WASH OUT PUMP. LEWES	
0945						RELEASE LATCH DOWN PLUG	
0950	П	0	1			DEDIAGE PLUG	
- 150	61/2	120	ľ		900		
1012	Ь	122.4			1500	PLUG DOWN - POZ UP LATEL	I IN PWG
1015					OK	REISHSE PSZ-HEW	
				-		la JASH TOURY	
1130			-	-	-	JOB COMPLETE	
						WAYE, DUST	U Dag
	0600 0615 0615 0615 0830 0920 0920 0920 0935 0945 0945	17AN WARRIER TAX. 17ME (BPM) 0600 0615 0615 0830 0920 b 0920 b 0935 4 0945 0945 0945 0945 1012 b 1012 b	TIME RATE (BPM) (BBU-16AL)  OBOO  OBSO  O920 b 12  O930 7  O935 4 35  O945  O945  O950 7 O  b'12 120  1012 b 122.4	TIME RATE (BPM) (BBL) (GAL) T C  OBOO  OBIS  O920 b 12 /  O930 7 0 /  O945  O945  O945  O945  O945  O945  O945  O945  O945	TIME	TIME	TAM WADDING TO WELLING 5-6 LEASE REAST STOPPING OF OPERATION OF OPERAT



SWIFT OPERATOR WAWE WASON

APPROVAL

CHARGE TO:
AMERICAN WARRIDE TOC.

CITY, STATE, ZIP CODE

TICKET	2	6	6	8	6

PAGE	OF
1	1 4
1	1 1

Thank You!

SERVICE LOCATIONS  1. NESS CAY	Ve	WELL/PROJECT N		LE	ASE	D	COUNTY/PARISH	STATE	CITY				ITE	OWN		
2.	1 100	TICKET TYPE CO	6 ONTRACTO	OR TO	20/1	BURESZ	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	CATZ	٠,		8-18-14 RDER NO.		SAME	
3. 4. REFERRAL LOCATION		WELL TYPE  INVOICE INSTRUC	TIONS	WE	LL CA	TEGORY JOB F	Consur Poer (		WELL PERMIT	NO.		177723	ELL LOCATION  JW/YEZE	WE, I	<b>l</b> s	
PRICE REFERENCE		RY REFERENCE/ T NUMBER	LOC	ACCT	DF		DESCRIPTION		QTY.	U/M	QTY.	U/M	UNIT		AMOUNT	
575			١			MILEAGE 115			150	MI			Ь	00	900	00
5760			)			PUMP CORRECE			1	203	2737	F	1500	00	1500	00
105			1			PORT Couse	OPETENG TOOL		1	308			350	00	350	00
330			1			SWOR MULTI	- DENSON STAN	184512	325	SKS			)8	50	6012	120
276			1			FLOCELE			100	Ž.			2	50	250	00
290			1)			D-ADR			5	GAL		$\Box$	42	00	210	
<u>581</u>			1			SERVICE CHARGE	e Consut		325	SYS			2	100		100
<b>5</b> 83			)			DRAYAGE			32350	280	2426,25	m	1	00	2426	25
			$\blacksquare$							 				-		<u>i</u>
LEGAL TERMS: the terms and cond but are not limited	to, PAYMEN	reverse side here	eof whic	h include		REMIT PA	YMENT TO:	OUR EQUIPMEN WITHOUT BREAK WE UNDERSTOO MET YOUR NEED	OD AND OS?	AG	REE UN- DECIDEI	DIS- DIS- AGRE	PAGE TOT	ΓAL	12298	375
MUST BE SIGNED BY CU START OF WORK OR DE	STOMER OR CUS	TOMER'S AGENT PR	IOR TO			P.O. B	OX 466	OUR SERVICE W PERFORMED WI WE OPERATED AND PERFORME CALCULATIONS SATISFACTORIL	THOUT DELAY? THE EQUIPMEN D JOB Y?				Valla TAX Gala	ce To	419	58
X DATE SIGNED 8-18		TIME SIGNED		A.M.		785-798-2300			ARE YOU SATISFIED WITH OUR SERVICE?  YES NO  CUSTOMER DID NOT WISH TO RESPOND				TOTAL		12,718	33

IOD	100
JOB	LUG

### SWIFT Services, Inc.

DATE 8 - 18-14- PAGE NO

USTOMER MEDIZ	AN WAR	RIOR TOC					aesz	CEMENT PORT GLESS 26686
CHART NO.	TIME RATE (BPM)		VOLUME (BBD) (GAL)	PUM T	PS C	PRESSUR TUBING	E (PSI)	DESCRIPTION OF OPERATION AND MATERIALS
	0845							ONLOCATION
		-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						23/8×51/2
								PORT COLUX e 2737'
	0930				<b>V</b>		1000	PST TEST CASTNG - HELD
	0940	3	3	/		450		OPEN PORT COUR - INT RATE
	0945	4	180	1		650		Max Congr - 325 sks smb = 11.2 PAG
	1215	4	10	1		900		DISPLACE CEMENT
	1225			J		1000		CLOSE PORT GLUX - PST TEST - HELD
								CIRCULATED O SKS CEMENT TO PET
	1235	4	30		<b>V</b>		600	RUP 5 JTS CHEWITE CLEAN
								WASHTRUCK
	1330							JOB COMPRETE
					F			TIANUS
								WAYNE DOUG CRAZE
								Y
	1015			+	+			LOST GROWTZON - SHUT DOWN (150545 MAYS
	1100						17	NO CORCULATION - SAT DOWN (225 SIS ME
	1200				-			NO CORCULATION - FENISH JOB (325 SKS MA
	-		-	-	+			



Prepared For: American Warrior Inc,.

3118 Cummings RD PO Box 399

Garden City, KS 67846

ATTN: Ted Pfau

#### Blaesi #5-6

#### 6-15s-41w Wallace KS

Start Date: 2014.08.01 @ 03:40:00 End Date: 2014.08.01 @ 14:08:15 Job Ticket #: 57041 DST #: 1

Trilobite Testing, Inc PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



American Warrior Inc,.

Blaesi #5-6

Tester:

3118 Cummings RD PO Box 399

Job Ticket: 57041

DST#:1

Garden City, KS 67846 ATTN: Ted Pfau

Test Start: 2014.08.01 @ 03:40:00

6-15s-41w Wallace KS

#### GENERAL INFORMATION:

Formation: **Morrow Sand** 

Deviated: Whipstock: Test Type: Conventional Bottom Hole (Initial) No ft (KB)

Time Tool Opened: 08:59:00 Time Test Ended: 14:08:15

Interval:

Unit No: Reference Elevations:

75

Jace McKinney

4920.00 ft (KB) To 4987.00 ft (KB) (TVD)

3793.00 ft (KB)

Total Depth: 4987.00 ft (KB) (TVD)

3783.00 ft (CF) KB to GR/CF: 10.00 ft

7.88 inches Hole Condition: Poor Hole Diameter:

Serial #: 8675 Inside

Press@RunDepth: 4936.00 ft (KB) 135.27 psig @ Capacity: 8000.00 psig

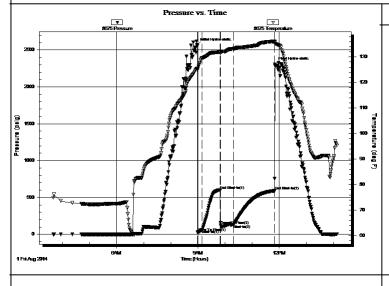
Start Date: 2014.08.01 End Date: 2014.08.01 Last Calib.: 2014.08.01 03:40:15 End Time: Start Time: 14:08:15 Time On Btm: 2014.08.01 @ 08:58:15 Time Off Btm: 2014.08.01 @ 11:50:15

TEST COMMENT: Built to 7" blow

Bled off for 5 min. No return blow

B.O.B. in 3 min.

Bled off for 10 min. No return blow



Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
_			l

PRESSURE SUMMARY

111110	11033410	l ICITIP	Ailiotation
(Min.)	(psig)	(deg F)	
0	2566.33	125.52	Initial Hydro-static
1	30.06	124.75	Open To Flow (1)
12	61.46	129.57	Shut-In(1)
51	602.10	131.93	End Shut-In(1)
52	127.07	131.54	Open To Flow (2)
81	135.27	133.26	Shut-In(2)
171	591.14	136.05	End Shut-In(2)
172	2304.20	135.68	Final Hydro-static

#### Recovery

Description	Volume (bbl)
1685 Feet Gas In Pipe	0.00
gcm 5%G 95%M	1.98
ocmg 5%O 30%M 65%G	1.77
	1685 Feet Gas In Pipe gcm 5%G 95%M

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 57041 Printed: 2013.01.01 @ 15:18:21



American Warrior Inc,.

6-15s-41w Wallace KS

3118 Cummings RD PO Box 399

Garden City, KS 67846 ATTN: Ted Pfau Blaesi #5-6

Tester:

Unit No:

Job Ticket: 57041 **DST#:1** 

Jace McKinney

Test Start: 2014.08.01 @ 03:40:00

75

#### GENERAL INFORMATION:

Formation: Morrow Sand

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 08:59:00 Time Test Ended: 14:08:15

Interval:

4920.00 ft (KB) To 4987.00 ft (KB) (TVD) Reference Elevations:

Total Depth: 4987.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

3793.00 ft (KB)

3783.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8650 Outside

Press@RunDepth: psig @ 4936.00 ft (KB) Capacity: 8000.00 psig

Start Date: 2014.08.01 End Date: 2014.08.01 Last Calib.: 1899.12.30

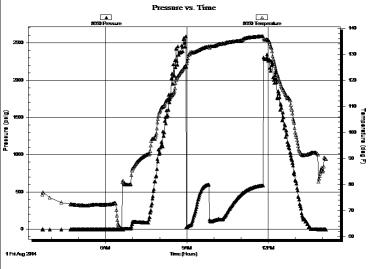
Start Time: 03:40:15 End Time: 14:08:00 Time On Btm: Time Off Btm:

TEST COMMENT: Built to 7" blow

Bled off for 5 min. No return blow

B.O.B. in 3 min.

Bled off for 10 min. No return blow



Ī	Time	Pressure	Temp	Annotation				
	(Min.)	(psig)	(deg F)					
Temp								
Temperature (deg F)								
6								
J								

#### Recovery

Length (ft)	Description	Volume (bbl)
0.00	1685 Feet Gas In Pipe	0.00
141.00	gcm 5%G 95%M	1.98
126.00	ocmg 5%O 30%M 65%G	1.77

#### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**FLUID SUMMARY** 

American Warrior Inc,.

6-15s-41w Wallace KS

3118 Cummings RD

PO Box 399

Garden City, KS 67846 ATTN: Ted Pfau

Blaesi #5-6

Job Ticket: 57041

DST#:1

Test Start: 2014.08.01 @ 03:40:00

#### **Mud and Cushion Information**

ohm.m

Mud Type: Gel Chem Cushion Type: Oil API: deg API Mud Weight: Cushion Length: Water Salinity: ft ppm

9.00 lb/gal Viscosity: 53.00 sec/qt Cushion Volume: bbl

> 8.00 cm<sup>3</sup> Gas Cushion Type:

> > Gas Cushion Pressure: psig

Salinity: 3800.00 ppm 1.00 inches Filter Cake:

#### **Recovery Information**

Water Loss:

Resistivity:

#### Recovery Table

Length ft	Description	Volume bbl		
0.00	1685 Feet Gas In Pipe	0.000		
141.00	gcm 5%G 95%M	1.978		
126.00	ocmg 5%O 30%M 65%G	1.767		

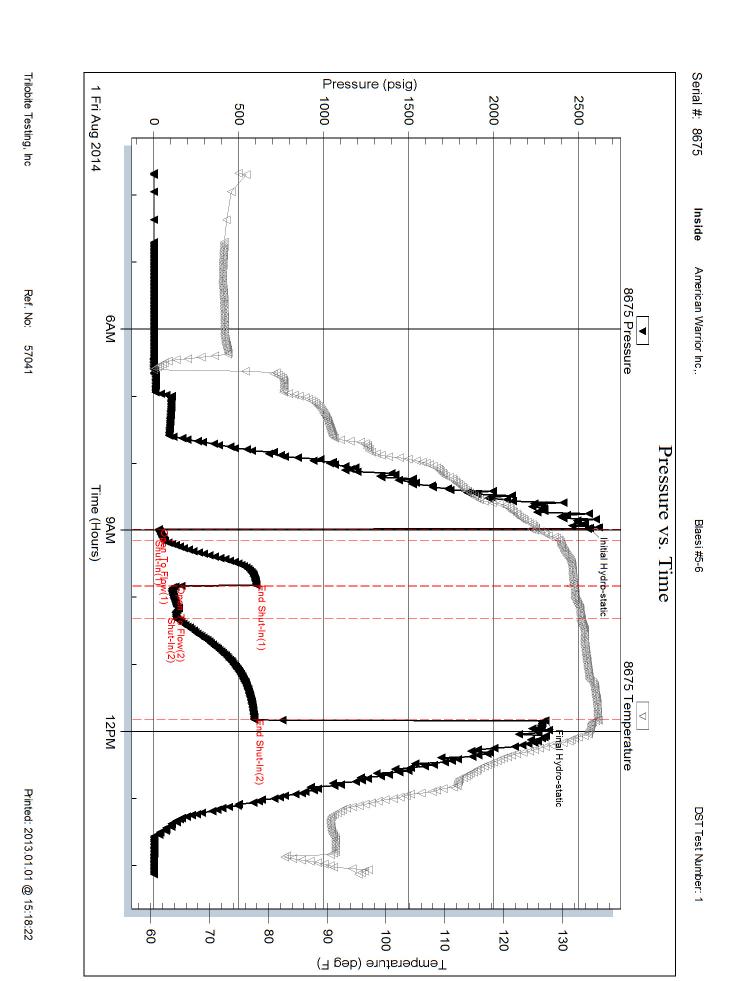
Total Length: 267.00 ft Total Volume: 3.745 bbl

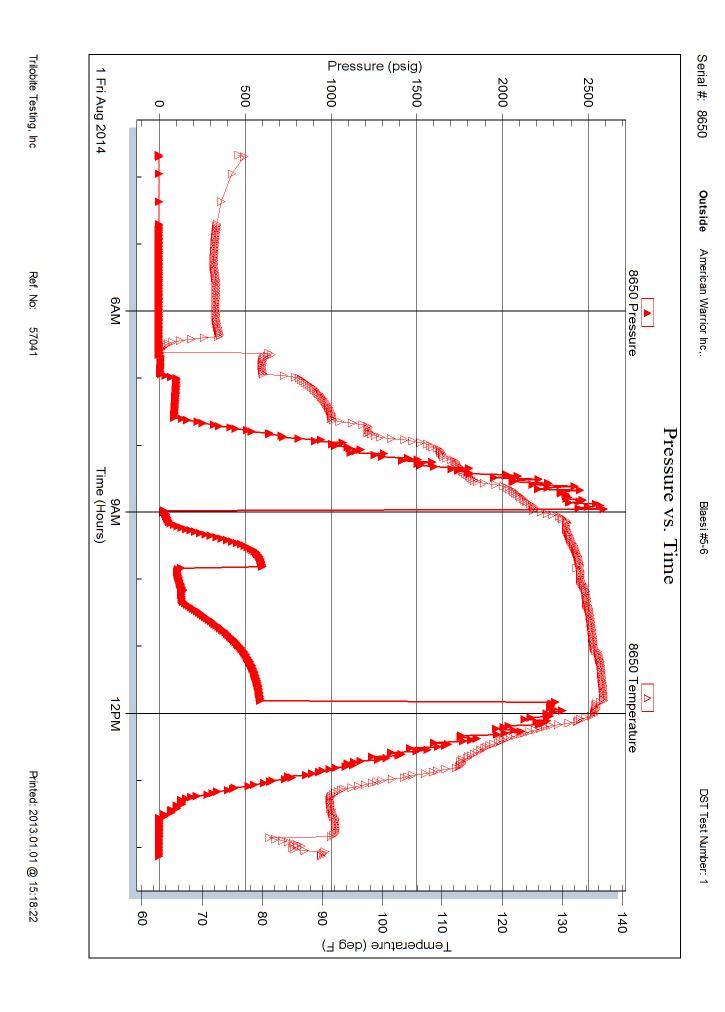
Num Fluid Samples: 0 Num Gas Bombs: Serial #: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 57041 Printed: 2013.01.01 @ 15:18:22





**OPERATOR** 

American Warrior, Inc. Company: 3118 Cummings Road Address:

P.O. Box 399 Garden City, KS 67846

Contact Geologist: Kevin Wiles Contact Phone Nbr: 620-275-2963 Well Name: Blaesi #5-6

Sec. 6 - T15S - R41W Location: API: 15-199-20412-0000

Pool: Field: Okeson NW Ext. State: Kansas Country: USA

Scale 1:240 Imperial

Well Name: Blaesi #5-6

Sec. 6 - T15S - R41W Surface Location: **Bottom Location:** 

API:

15-199-20412-0000 License Number: 4058 Spud Date: 7/24/2014

9:30 AM Time: Region: Wallace County **Drilling Completed:** 8/2/2014 Time: 12:40 PM Surface Coordinates: 1179' FSL & 1523' FEL

**Bottom Hole Coordinates:** 

**Ground Elevation:** 3783.00ft

K.B. Elevation: 3792.00ft To: Logged Interval: 4000.00ft 5200.00ft Total Depth: 5200.00ft

Formation: Mississippian

Drilling Fluid Type: Chemical/Fresh Water Gel

#### SURFACE CO-ORDINATES Vertical

Well Type: Longitude: Latitude:

1179' FSL N/S Co-ord: E/W Co-ord: 1523' FEL

### **LOGGED BY**

# Ted Pfau Consulting Geologist

Company: Keith Reavis, Inc. Address: 3420 22nd Street Great Bend, KS 67530

Phone Nbr: 620-617-4091 Logged By: Geologist Name: Ted Pfau

**CONTRACTOR** Duke Drilling Company, Inc Contractor:

Rig #:

3792.00ft

#5-6 be further tested through perforations and stimulation in the Morrow Sand.

Rig Type: mud rotary Spud Date: 7/24/2014

Time: 9:30 AM TD Date: 8/2/2014 12:40 PM Time: Rig Release: Time:

#### **ELEVATIONS Ground Elevation:**

**NOTES** Due to favorable results of DST #1, it was determined that 5 1/2" production casing be set and cemented and the Blaesi

3783.00ft

COMPARISON WELL

DST#: 1

10.00 ft

Test Type: Conventional Bottom Hole (Initial)

2014.08.01 @ 08:58:15

Jace McKinney

75

KB to GR/CF:

Time Off Btm: 2014.08.01 @ 11:50:15

PRESSURE SUMMARY

Temp

K.B. to Ground: 9.00ft

K.B. Elevation:

A Bloodhound gas detection unit was employed on this well. All log tops on this well were consistently 2-4 ft. high to measured log top. The gamma ray and caliper curves were

imported into this mudlog from the electrical log suite. No curves were shifted to provide an exact match, but rather left as recorded in the field The samples were saved and will be available for review at the Kansas Geological Survey Well Sample Library located

Respectfully submitted Ted Pfau

DATE

7:00 AM DEPTH

in Wichita, KS.

## American Warrior, Inc. daily drilling report

REMARKS

07/29/2014		Geologist Ted Pfau on location @ 2035 hrs, 4290 ft, drilling ahead
07/30/2014	4454	Drilling ahead, Lansing and Marmaton, short trip @ 4675' resume drilling 2345 hrs
07/31/2014	4789	Drilling ahead through Cherokee, cfs @ 4977' 1840 hrs in Morrow Sand, fair show of yellow fluoresence, slow cut, resume drilling 2410 hrs, cfs @4987' 2155 hrs TOH for DST #1 2350 hrs
08/01/2014	4987	Conducting DST #1, test successful, resume drilling xxxx hrs, cfs @4997' xxxx hrs, cfs @5012' 2020 hrs, resume drilling 2220 hrs
08/02/2014	5110	0330 hrs mud pump down, resume drilling 0540 hrs, TD 5200' @1240 hrs complete logging operations @2030 hrs, geologist off location 2145 hrs

### **American Warrior, Inc.** well comparison sheet COMPARISON WELL

13 Mar Professor 2017 Construction Control Confessor Control Confessor Control													
	Blaesi #5-6				Blaesi #4-6				Blaesi #2-6				
		1179' FSL	& 1523'	FEL	335' FSL & 1112' FEL				1260' FSL & 450'FEL				
	Sec 6-T15S-R41W				Sec 6-T15S-R41W				Sec 6-T15S-R41W				
					Structural					Structural			
	3792	KB			3780	) KB	Relati	onship	3772	KB	Relationship		
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log	
Lansing	4224	-432	4218	-426	4207	-427	-5	1					
Marmaton	4570	-778	4570	-778	4558	-778	0	0	4553	-781	3	3	
Pawnee	4662	-870	4656	-864	4648	-868	-2	4	4635	-863	-7	-1	
Cherokee	4730	-938	4722	-930	4716	-936	-2	6	4701	-929	-9	-1	
Morrow Shale	4955	-1163	4950	-1158	4945	-1165	2	7	4938	-1166	3	8	
Morrow Sand	4968	-1176	4970	-1178	4958	-1178	2	0	4948	-1176	0	-2	
Morrow Lime	5066	-1274	5068	-1276	5055	-1275	1	-1	5042	-1270	-4	-6	
Mississippian	5138	-1346	5116	-1324	5117	-1337	-9	13	not	reached			
Total Depth	5200	-1408	5196	-1404	5200	-1420	12	16	5120	-1348	-60	-56	

# **DST #1**



#### American Warrior Inc,. 3118 Cummings RD

ft (KB)

End Time:

DRILL STEM TEST REPORT

PO Box 399 Job Ticket: 57041 Garden City, KS 67846 ATTN: Ted Pfau Test Start: 2014.08.01 @ 03:40:00

14:08:15

Time Tool Opened: 08:59:00 Time Test Ended: 14:08:15

Formation:

Deviated:

Start Time:

Interval: 4920.00 ft (KB) To 4987.00 ft (KB) (TVD) Total Depth: 4987.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Poor

03:40:15

Morrow Sand Whipstock:

> Reference Elevations: 3793.00 ft (KB) 3783.00 ft (CF)

Tester:

Unit No:

Time On Btm:

Blaesi #5-6

6-15s-41w Wallace KS

Serial #: 8675 Inside Press@RunDepth: 135.27 psig @ 4936.00 ft (KB) Capacity: 8000.00 psig Start Date: Last Calib.: 2014.08.01 2014.08.01 2014.08.01 End Date:

TEST COMMENT: Built to 7" blow Bled off for 5 min. No return blow B.O.B. in 3 min. Bled off for 10 min. No return blow

Pressure vs. Time

		1 179		146		, ,					
	-			O.	- 130	0	2566.33	125.52	Initial	Hydro-static	
	=	<b>√</b>			- 120	1	30.06	124.75	Oper	n To Flow(1)	
	2900	7		#		12	61.46	129.57	Shut	-ln(1)	
L		#;			- 110	51	602.10	131.93	End 9	Shut-In(1)	
(celai	1500		1	ā	52	127.07	131.54	Oper	n To Flow (2)		
Pressure (celd)	[	/}			- 400 }	81	135.27	133.26	Shut	-ln(2)	
ě	1000	التوقيد السا	i i		- so 🗟	171	591.14	136.05	End 9	Shut-In(2)	
	-	1 1 1	! ! ! <u> </u>	<b>₹</b> ∦ ∃	3	172	2304.20	135.68	Final	Hydro-static	
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	300			1	_						
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	• •	· — •	- CO	<u> </u>	- 60						
	-	9741 974	4	anu i							
1	FriAg2014	Time ()-ka	un)								
l.		Recover	y		_			Gas	s Rat	es	
	Length (ft) Description Volum		Volume (bbl)	1			Choke (ii	nches)	Pressure (psig)	Gas Rate (Mcf/d)	
	0.00	1685 Feet Gas In Pipe	et Gas In Pipe 0.00			-					
	141.00 gcm 5%G 95%M 1			1.98	7						
	126.00	ocmg 5%O 30%M 65%	6G	1.77	7						
					7						

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