

Kansas Corporation Commission Oil & Gas Conservation Division

1096718

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:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Amount of Surface Pipe Set and Cemented at: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: sx cmt
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Original Total Depth: Conv. to ENHR	Chloride content: ppm Fluid volume: bbls Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	QuarterSec TwpS. R East West
ENHR Permit #:	County: Permit #:
GSW Permit #:	
Spud Date or Date Reached TD Completion Date or Recompletion Date 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 III Approved by: Date:

Side Two



Operator Name:			Lease Name: _			_ Well #:	
Sec Twp	S. R	East West	County:				
time tool open and clo	sed, flowing and shut es if gas to surface tes	d base of formations pen in pressures, whether s st, along with final chart(well site report.	hut-in pressure rea	ched static level,	hydrostatic press	sures, bottom h	ole temperature, fluid
Drill Stem Tests Taken (Attach Additional S		Yes No		og Formation	n (Top), Depth an	d Datum	Sample
Samples Sent to Geol	ogical Survey	Yes No	Nam	е		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy,	d Electronically	Yes No					
List All E. Logs Run:							
		CASING	RECORD Ne	ew Used			
		Report all strings set-			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 / SQL	JEEZE RECORD			
Purpose: —— Perforate —— Protect Casing —— Plug Back TD	Depth Top Bottom	Type of Cement	# Sacks Used		Type and F	Percent Additives	
Plug Off Zone							
Shots Per Foot		ON RECORD - Bridge Plug ootage of Each Interval Per			cture, Shot, Cemen nount and Kind of Ma	•	Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or EN	HR. Producing Met			other (Explain)		
Estimated Production Per 24 Hours	Oil E		Mcf Wat			Gas-Oil Ratio	Gravity
DIODOGITIC	ON OF CAS:	<u> </u>	AETHOD OF COMPLY	ETION:		DRODUCTIC	MINITEDVAL.
DISPOSITIO	ON OF GAS: Used on Lease	Open Hole	METHOD OF COMPLE Perf. Dually		nmingled	PRODUCITO	ON INTERVAL:
(If vented, Sub		Other (Specify)	(Submit		mit ACO-4)		

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Goodman 2-34
Doc ID	1096718

Tops

Name	Тор	Datum
Anhy	1700'	+758
B/Anhy	1738'	+720
Heebner	3764'	-1306
Lansing	3806'	-1348
Stark	4092'	-1634
B/KC	4195'	-1737
Marmaton	4224'	-1766
Ft.Scott	4342'	-1884
Mississippian	4437'	-1979

Geological Report

American Warrior, Inc.

Goodman #2-34

2453' FSL & 1065' FWL

Sec. 34, T20s, R26w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. Goodman #2-34 2453' FSL & 1065' FWL Sec. 25, T20s, R26w Ness County, Kansas API # 15-135-25465-0000
Drilling Contractor:	Duke Drilling Co. Rig #9
Geologist:	Kevin Timson
Spud Date:	August 22, 2012
Completion Date:	August 28, 2012
Elevation	2445' Ground Level 2458' Kelly Bushing
Directions:	From North Side of Beeler, KS. Now go 12 miles South on C Rd. to the NW corner of section. Now go .7 miles South on C Rd to ingress E-SE into location.
Casing:	#24 8 5/8" surface casing set @ 267 with 175 sacks Class A, 3% c.c, 2% gel. #15.5 5 ½" production casing set @ 4538 with 125 sacks EA-2. Port collar set @ 1697.
Samples:	3750' to RTD 10' wet and dry,
Drilling Time:	3600' to RTD
Electric Logs:	Pioneer "K. Bange" Dual Compensated Porosity, Dual Induction, Microresistivity.
Drillstem Tests:	One Trilobite Testing "Shane McBride"
Remarks:	None

Formation Tops

Formation

Anhydrite

Base

Heebner

Lansing

Stark

BKC

Marmaton

Pawnee

Fort Scott

Cherokee

Mississippian

RTD

American Warrior, Inc.

Goodman #2-34

Sec. 34, T20s, R26w

2453' FSL & 1065' FWL

1700' +758

1738' +720

3764' -1306

3806' -1348

4092' -1634

4195' -1737

4224' -1766

4306' -1848

4342' -1884 4366' -1908

4437' -1979

4540' -2082

Sample Zone Descriptions

Mississippian Warsaw (4450', -1992):

Covered in DST #1

Dolomite- Grey. Fine crystalline. Fair vuggy porosity and Fair inter-crystalline porosity. Good stain. Fair to good odor. Show of free oil.

Drill Stem Tests

Trilobite Testing Inc. "Shane McBride"

DST #1 Mississippian Warsaw

Interval (4387' - 4450') Anchor Length 63'

IHP - 2217#

IFP - 30" – BOB in 8 min 60-219 #

ISI - 45" – 7" Return blow 1289 #

FFP - 30" – BOB in 4 min 230-343 #

FSIP - 45" – 7" Return blow 1273 #

FHP - 2124# BHT - 129°F

Recovery: 710' GIP

610' CGO (85% oil, 15% gas)

60' SMCGO (70% oil, 20% gas, 10% mud) 120' MCGO (50% oil, 25% gas, 25% mud)

Structural Comparison

	American Warrior, Inc.
	Goodman #2-34
	Sec. 34, T20s, R26w
Formation	2453' FSL & 1065' FWL
Anhydrite	1700' +758
Base	1738' +720
Heebner	3764' -1306
Lansing	3806' -1348
Stark	4092' -1634
BKC	4195' -1737
Marmaton	4224' -1766
Pawnee	4306' -1848
Fort Scott	4342' -1884
Cherokee	4366' -1908
Mississippian	4437' -1979

#1 Goodman Family Trust
Sec. 35, T20s, R26w
1500' FSL & 1150' FWL
1672' +775
NA
3760' -1313
3806' -1359
4083' -1636
4176' -1729
4204° -1757
4259' -1835
4324' -1877
4347' -1900
4421'-1974

Palomino Petroleum, Inc.

-17
NA
+7
+11
+2
-8
-9
-13
-7
-8
-5

ALLIED OIL & GAS SERVICES, LLC 059001 Federal Tax I.D.# 20-5975804

REMIT TO P.O. SOU		99 TEXAS 70	5092			SER	Great	Bend
DATE 8/21/12	SEC.	TWP. 205	RANGE 264		Rd X harn west to 1.5 miles to	ON LOCATION	10B START	JOB FINISH
LEASE Gooding	WELL #	2-34	LOCATION &	3 N FC	h 15 wiles to	ISM 10 20ZR	COUNTY	STATE
OLD OR WEIN (C			LOCATION	- PLTI	t tij miles to	24 TES: 14 1. V		1
OLD OK GENIC	itele one)						101	11,4
CONTRACTOR	Duke	9			OWNER AM	erican War	clor	
TYPE OF JOB	Sur fac	·			O ITTICK TITT	Cr. iver, i page		
HOLESIZE /2	Vu	TD	. 2.70 fl	-	CEMENT		20.11	
CASING SIZE &	5/8" 23°	DE	PTH 255.7	8 F1	AMOUNT OF	RDERED 1755	Class ny	3% Cacl
TUBING SIZE			PTH		12% Gel			
DRILL PIPE		DE	PTH					
TOOL		DE	PTH			1911		\
PRES. MAX		MI	MUMIN		COMMON_	175	@ 14.25	2,843.75
MEAS, LINE			OE JOINT		POZMIX _		@	
CEMENT LEFT I	N CSG.	20 ft			GEL _	4	@ 21.25	85.00
PERFS.					CHLORIDE	6		349.20
DISPLACEMENT	Fres	h Wate	r		ASC			
	EQ	UIPMENT					@	
							@	
PUMPTRUCK	CEMEN	TER Che	rles, Ell	Kins /	-		@	
# 398	HELPER	Kevin	Edely	2				
BULK TRUCK	TIODI DI							
#544,196	DRIVER	Dan Co	soer .	2	-			
BULK TRUCK			-				@	
#	DRIVER					100 1.01		7.00.0
					HANDLING	190 Euft. 8.1cm x 29		590.13
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To: Allied Oil &					-			
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CHARGE TO:	Amari	× 11 10 × × > =	
ADDRESS	Truck	con Warn'or	
CITY, STATE, ZIF	CODE		

TICKET Nº 23219

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Serv	ices,	IIIC.	T.							1	1 2
SERVICE LOCATIONS 1.	of KS	WELLIPROJECT NO.	GOOD GOOD	lman	COUNTY/PARISH	STATE	CITY Boole	2R	DAT	AUG-12	WNER
2.	-	TICKET TYPE CONTRACTOR SERVICE SALES	l l	DUKE	RIG NAME/NO.	SHIPPED	DELIVERED TO	ation	ORD	ER NO.	
4.		WELL TYPE	Develop	1	purpose coment long steins	1	WELL PERMIT NO.			LLOCATION 34-ZOS-	264
REFERRAL LOCATION		INVOICE INSTRUCTIONS			1 0						
PRICE REFERENCE			UNTING DF		DESCRIPTION		QTY. Lu	M QTY.	LU/M	UNIT	AMOUNT

PRICE	SECONDARY REFERENCE/		ACCOUNTING		DESCRIPTION					UNIT			
REFERENCE	PART NUMBER	LOC ACCT I		DF	DESCRIPTION		U/M	QTY.	U/M	PRICE		AMOUNT	
575		1			MILEAGE YRK 114	30	mi			6	00	180	00
578		1			PumpCharge	/	109			1500	00	1500	00
402		1		1	Contralizer	53	in	9	lea	70	100	630	100
403		1		4	Coment Bosket	53	in	2	001	250	00	500	00
404		1		1	Port Collar	53	La	1	ea	2400	00		
406		1		1	Lotch down plus & boyalle.	52	in	1	eq	250	po	250	00
407		1			Insect float shoe MAUTO FILL	5%	in	/	a	350	00	350	80
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LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED TIME SIGNED A.M.

REMIT PAYMENT TO:

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

SURVEY	AGREE	UN- DECIDED	DIS- AGREE	/	5810	00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE TOTAL	5261	13
WE UNDERSTOOD AND MET YOUR NEEDS?				1111	11071	1,7
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				subtotal	11,011	113
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX 0	_552	2
ARE YOU SATISFIED WITH OUR SE	RVICE?	/	1100	1		
☐ CUSTOMER DID NOT	WISH TO F		TOTAL	11,623	140	

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

SWIFT OPERATOR MCJ

APPROVAL

ND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this tickl

Thank You!



PO Box 466. Ness City, KS 67560

TICKET CONTINUATION

No. 23219

ervice			5-798-23			CUSTOMAR HURRICAN WARRIOT	WELL	man Z	2-34		DATE AUE	12	PAGE	F 2
PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	LOC	ACCT	IG DF	TIME	DESCRIPTION	QTY.			U/M	UNIT		AMOUN	ıτ
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1435

Release presum to truck - dried of the property of the p



CHARGE TO:	
CHARGE TO: AMERICAN WARRI	DR
ADDRESS	
CITY, STATE, ZIP CODE	

TICKET

	HUNEI	
NΘ	23414	

Seri	rices,	Inc.	C	ITY, STATE,	ZIP CC	DDE								PA	GE 1	OF	
SERVICE LOCATIONS 1. NESS OFT	4.KS.	WELL/PROJECT N		6	ASE 200	DMAN 2-34	COUNTWPARISH- NESS		3	BEEL		KS.	_	5 Sep 12		VNER	
3.		TICKET TYPE CO SERVICE SALES WELL TYPE	ONTRACT	1000	ELL CA	TEGORY JOB PL	RIG NAME/NO. JRPOSE	VI	1-00-1-1	WELL PERMIT			WE	LL LOCATION			
4. REFERRAL LOCATION		INVOICE INSTRUC	TIONS	I	DEU	ELOPMENT CE	EMENT PORT C	OLLAR						2/25,1	EZ	บาัง	
PRICE REFERENCE		RY REFERENCE/ T NUMBER	LOC	ACCOUNTIN ACCT	IG DF		DESCRIPTION			QTY.	U/M	QTY.	U/M	UNIT PRICE		AMOUN	т
575						MILEAGE #110				30	mil			Le	100	180	100
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290					1	D-AIR				1/2	SAL			35	100	52	50
105						FORT COLL	AR OPENING	TOOL		F	1388			350)	100	357	100
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LIMITED WARR	10.50					SWIFT SER	VICES, INC.	OUR SER	VICE W		\top						!
MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS						P.O. BOX 466			ATED T FORMEI TIONS	THE EQUIPMENT D JOB				TAX	07	212	81
DATE SIGNED TIME SIGNED A.M. SUP.M.				785-798-2300			SATISF	SFIED WITH OUR SERVICE? YES NO USTOMER DID NOT WISH TO RESPOND				TOTAL		5631	5		
SWIFT OPERATOR	12	custon	MER ACC	Section of the second	OF M	Appendix and salar admire desired (200 feets	The customer hereby ackn	owledges rece	eipt of t	he materials a	nd servi	ces listed on th	nis ticket.			Thank?	You!

SWIFT Services. Inc. DATE 25 Sep 12 PAGE NO. JOB LOG GOODMAN 2-34 COMENT PORT COLLAR CUSTOMER WELL NO. AMERICAN WARRIOR PRESSURE (PSI) PUMPS VOLUME (BBL) (GAL) CHART DESCRIPTION OF OPERATION AND MATERIALS ON LOCATION 1100 PORT COLLAR @ 1696 1000 TEST HELD 11.31 700 OPEN PORT COLLAR TAKE INT. RATE 1136 3 1140 MIX175sx 8mD 1000 DISPLACE CEMENT 600 CIRCULATE 20 SX TO PIT CLOSE PORT COLLAR- TEST- HELD 1206 1000 RUN 4573. 300 REVERSE CEMENT OUT OF TUBING 1216 15 1229 WASH TRUCK 308 COMPLETE 1300 THANKS \$ 110 JASON SEFF FLINT



Prepared For: American Warrior Inc

PO Box 399 Garden City, KS

ATTN: Kevin Timson

Goodman #2-34

34-20s-26w Ness,KS

Start Date: 2012.08.27 @ 04:30:32 End Date: 2012.08.27 @ 12:55:17 Job Ticket #: 48292 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



American Warrior Inc

34-20s-26w Ness, KS

PO Box 399

Goodman #2-34

Tester:

Unit No:

Garden City, KS

Job Ticket: 48292 **DST#:1**

Shane McBride

2458.00 ft (KB)

2447.00 ft (CF)

55

ATTN: Kevin Timson Test Start: 2012.08.27 @ 04:30:32

GENERAL INFORMATION:

Formation: Miss

Interval:

Deviated: No Whipstock: 0.00 ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 07:26:17 Time Test Ended: 12:55:17

4387.00 ft (KB) To 4450.00 ft (KB) (TVD) Reference Elevations:

Total Depth: 4450.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 8368 Inside

Press@RunDepth: 343.96 psig @ 4388.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2012.08.27
 End Date:
 2012.08.27
 Last Calib.:
 2012.08.27

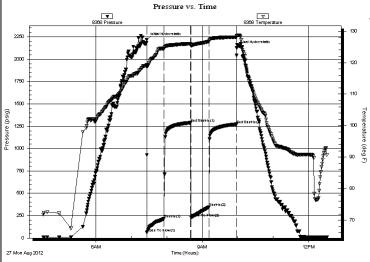
 Start Time:
 04:30:32
 End Time:
 12:31:17
 Time On Btm:
 2012.08.27 @ 07:25:47

Time Off Btm: 2012.08.27 @ 09:58:17

Time

TEST COMMENT: B.O.B. in 8 min

7"in return blow B.O.B. in 4 min. 7"in return blow



	(Min.)	(psig)	(deg F)	
	0	2217.58	119.30	Initial Hydro-static
	1	60.91	118.62	Open To Flow (1)
	30	219.86	124.51	Shut-In(1)
7	75	1289.60	125.98	End Shut-In(1)
Tenne	75	230.40	125.52	Open To Flow (2)
et ire	106	343.96	126.69	Shut-In(2)
neh)	152	1273.02	128.05	End Shut-In(2)
פ	153	2124.05	128.40	Final Hydro-static

PRESSURE SUMMARY

Pressure Temp Annotation

Recovery

Length (ft)	Description	Volume (bbl)			
120.00	m c g o 25%m 25%g 50%o	0.59			
60.00	s m c g o 10%m 20%g 70%o	0.30			
610.00	c g o 15%g 85%o	8.48			
0.00	710' gas in pipe	0.00			

Gas Rat	es	
Choka (inahaa)	Drocouro (poig)	Coo Roto (Mof/d)

Trilobite Testing, Inc Ref. No: 48292 Printed: 2012.08.29 @ 09:32:30



American Warrior Inc

34-20s-26w Ness, KS

PO Box 399

Goodman #2-34 Job Ticket: 48292

DST#: 1

Garden City, KS

Test Start: 2012.08.27 @ 04:30:32

ATTN: Kevin Timson

GENERAL INFORMATION:

Formation: Miss

Interval:

Deviated: 0.00 ft (KB) No Whipstock:

Time Tool Opened: 07:26:17 Time Test Ended: 12:55:17

4387.00 ft (KB) To 4450.00 ft (KB) (TVD)

Total Depth: 4450.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair Hole Diameter:

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane McBride Unit No: 55

Reference Elevations:

2458.00 ft (KB)

2447.00 ft (CF)

8000.00 psig

KB to GR/CF: 11.00 ft

Serial #: 6667 Outside

Press@RunDepth: 4388.00 ft (KB) psig @

Start Date: 2012.08.27 End Date: 2012.08.27 Last Calib.: 2012.08.27

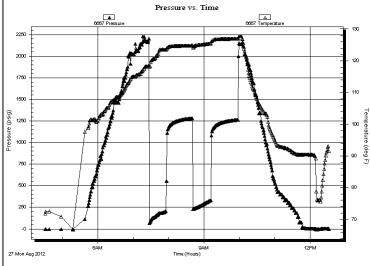
Start Time: 04:30:59 End Time: Time On Btm: 12:31:44

Time Off Btm:

Capacity:

TEST COMMENT: B.O.B. in 8 min

7"in return blow B.O.B. in 4 min. 7"in return blow



PRESSURE	SUMMARY
----------	---------

	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
	, ,	" 0,	, ,	
Tem				
Temperature (deg F)				
(deg F)				

Recovery

Length (ft)	Description	Volume (bbl)
120.00	m c g o 25%m 25%g 50%o	0.59
60.00	s m c g o 10%m 20%g 70%o	0.30
610.00	c g o 15%g 85%o	8.48
0.00	710' gas in pipe	0.00

Gas Rates

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

Trilobite Testing, Inc. Ref. No: 48292 Printed: 2012.08.29 @ 09:32:31



TOOL DIAGRAM

American Warrior Inc

34-20s-26w Ness,KS

PO Box 399

Goodman #2-34
Job Ticket: 48292

DST#:1

Garden City, KS

Test Start: 2012.08.27 @ 04:30:32

ATTN: Kevin Timson

Tool Information

Drill Pipe: Length: 4200.00 ft Diameter: 3.80 inches Volume: 58.91 bbl Tool Weight: 1500.00 lb 0.00 bbl 0.00 inches Volume: Heavy Wt. Pipe: Length: 0.00 ft Diameter: Weight set on Packer: 25000.00 lb Drill Collar: Length: 188.00 ft Diameter: 2.25 inches Volume: 0.92 bbl Weight to Pull Loose: 100000.0 lb Total Volume: 59.83 bbl Tool Chased 0.00 ft

Drill Pipe Above KB: 28.00 ft
Depth to Top Packer: 4387.00 ft

String Weight: Initial 78000.00 lb 78000.00 lb

Depth to Bottom Packer: ft
Interval between Packers: 63.00 ft
Tool Length: 90.00 ft

Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4361.00		
Shut In Tool	5.00			4366.00		
Hydraulic tool	5.00			4371.00		
Jars	5.00			4376.00		
Safety Joint	2.00			4378.00		
Packer	5.00			4383.00	27.00	Bottom Of Top Packer
Packer	4.00			4387.00		
Stubb	1.00			4388.00		
Recorder	0.00	6667	Outside	4388.00		
Recorder	0.00	8368	Inside	4388.00		
Perforations	24.00			4412.00		
Change Over Sub	1.00			4413.00		
Drill Pipe	31.00			4444.00		
Change Over Sub	1.00			4445.00		
Bullnose	5.00			4450.00	63.00	Bottom Packers & Anchor

Total Tool Length: 90.00

Trilobite Testing, Inc Ref. No: 48292 Printed: 2012.08.29 @ 09:32:32



FLUID SUMMARY

American Warrior Inc 34-20s-26w Ness,KS

PO Box 399 **Goodman #2-34**

Garden City, KS Job Ticket: 48292 DST#:1

ATTN: Kevin Timson Test Start: 2012.08.27 @ 04:30:32

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil A Pl:37 deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:0 ppm

Mud Weight:9.00 lb/galCushion Length:ftWater Salinity:Viscosity:45.00 sec/atCushion Volume:bbl

Viscosity: 45.00 sec/qt Cushion Volume:
Water Loss: 10.37 in³ Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 5500.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	m c g o 25%m 25%g 50%o	0.590
60.00	s m c g o 10%m 20%g 70%o	0.295
610.00	c g o 15%g 85%o	8.484
0.00	710' gas in pipe	0.000

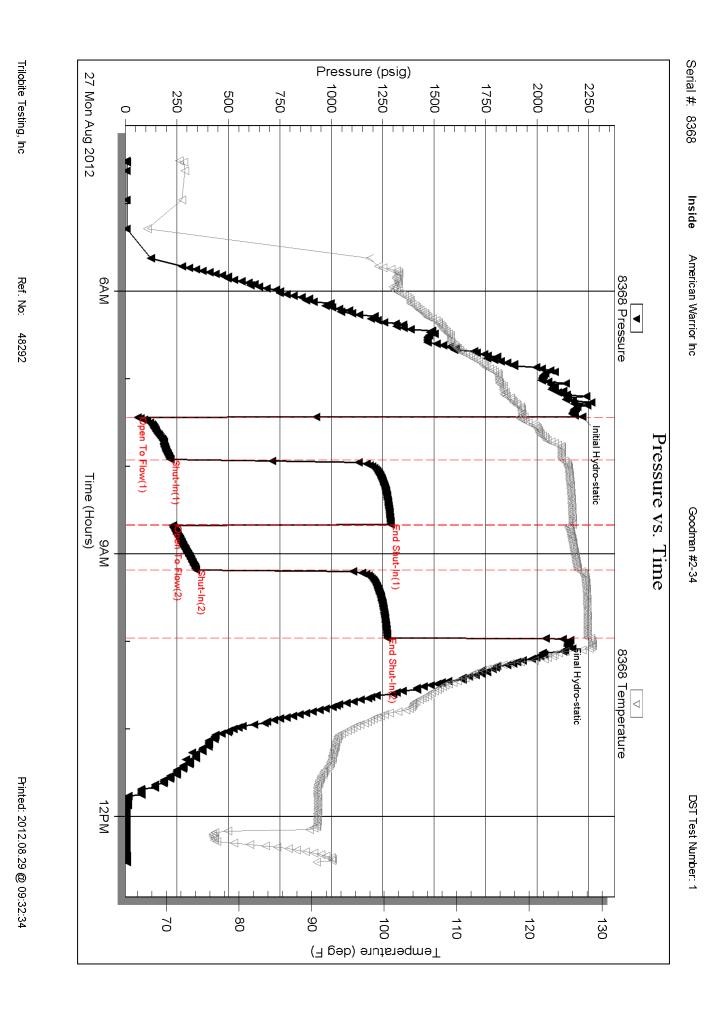
Total Length: 790.00 ft Total Volume: 9.369 bbl

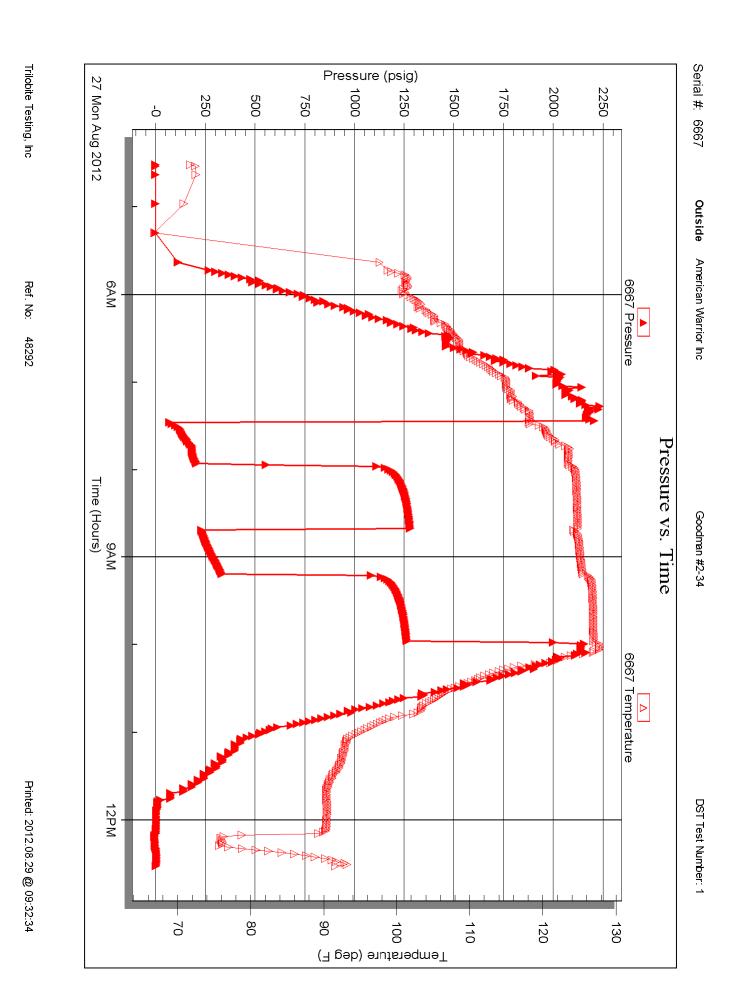
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 48292 Printed: 2012.08.29 @ 09:32:33







RILOBITE ESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48292

Drill Pipe Run	4/10					
Address 6.0. 3 1 Twp. 25 Rge. 10 Co. Mer. State Co. Rep / Geo. 3 1 Twp. 25 Rge. 20 Co. Mer. State Interval Tosted 4382	Well Name & No. Goodman #	2-34				
Co. Rep / Geo Co. Feet of Fe					KB_24	GL_GL
Location: Sec. 3 1 mp. 20	Address 20. Bgx 399 Granden	City, KS	67880	-		
	Co. Rep/Geo. Keon Timson		Rig	ake The		
Drill Pipe Run	Location: Sec3 4/_ Twp20 s	Rge. 260	o. Ne		State	13
Drill Pipe Run	Interval Tested 4387 449	Zone Tested 2	M:55			
Drill Collars Run	Anchor Length 43'4	Drill Pipe Run		Mu	d Wt	4
With Pipe Run	Top Packer Depth	Drill Collars Ru		Vis		
Chlorides Second part Se	Bottom Packer Depth 4/387			WL	10,	-
Book Book	4004		5500	ppm System LCI	u	8
Rec Co Feet of Cg Segas Segoil Sewater Seco Co Feet of Seco Segas Segas Segoil Sewater Seco Seco Seco Segas Se	and the second s					
Rec C C Feet of C C C C Feet of C C C C Feet of C C C C C C C C C			υ .			
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Rec CC Feet of MCGC 25 %gas 70 %oil %water 70 %mud Rec 12C Feet of MCGC 25 %gas 50 %oil %water 5 %mud %mud Rec Feet of MCGC	7"in Reta	n blow)			
Rec	Rec Colo Feet of CGO		15 %gas	85 %oil	%water	%mud
Rec	Rec (co Feet of Smago		20 %gas	70 %oil	%water	10 %mud
Rec	U		H53 (52)	50 %oil	%water	35 %mud
Rec Total 770	Rec Feet of	1	%gas	%oil	%water	%mud
A) Initial Hydrostatic	Rec Feet of 710 'Cm =	in PIPE	%gas	%oil	%water	%mud
B) First Initial Flow	Rec Total 790' BHT /29"	_ Gravity _ 37	API RW	_@°F Ch	nlorides	ppm
B) First Initial Flow	(A) Initial Hydrostatic 2217	₩ Test 1250		T-On Locat	ion <u>0314</u>	10
Circ Sub C		Jars 250		T-Started _	04:30	
D) Initial Shut-In	(C) First Final Flow	Safety Joint_	75	Control of the contro		
E) Second Initial Flow		. /		T-Pulled	09:55	
Comments Comments	(E) Second Initial Flow			T-Out/	2!>>	
Sampler Straddle Ruined Shale Packer Ruined Shale Packer Ruined Shal				Comments		
Straddle	1772	10				
Shale Packer	(H) Final Hydrostatic 2124				Chala Daelser	
Extra Packer						
Extra Recorder	Initial Open 30			- Hamed	FIRST CONTRACTOR S	
Final Flow 30				- LANG C		
Final Shut-In 45 Accessibility MP/DST Disc't Sub Total 1736.20				_		
Mw Mm Sub Total 1736.20		F 10 11 10 10 10 10 10 10 10 10 10 10 10		100000000		
	11/10			WIF/D31 () (
ADDIOVED DV / UIT REDXESENTATIVE	Approved By ////		Our Representative	2	The	3