

Kansas Corporation Commission Oil & Gas Conservation Division

1070129

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: Deepening Re-perf. Conv. to ENHR Conv. to SWD Conv. to GSW	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 N	lame:			Well #:		
Sec Twp	S. R	East	West	County:						
INSTRUCTIONS: Sh time tool open and clo recovery, and flow rate line Logs surveyed. A	osed, flowing and shu es if gas to surface te	t-in pressures, st, along with f	whether sh inal chart(s	nut-in press	ure reach	ed static level,	hydrostatic pres	ssures, bottom h	ole temp	erature, fluid
Drill Stem Tests Taker (Attach Additional S		Yes	No		Log	y Formation	n (Top), Depth a	nd Datum		Sample
Samples Sent to Geo	logical Survey	Yes	No		Name			Тор	I	Datum
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Copy	d Electronically	Yes Yes Yes	☐ No ☐ No ☐ No							
List All E. Logs Run:										
		Report all	CASING I		New	Used mediate, producti	on, etc.			
Purpose of String	Size Hole Drilled	Size Ca Set (In C	sing	Weigi Lbs. /	ht	Setting Depth	Type of Cement	# Sacks Used	, ,,	and Percent dditives
		AI	DDITIONAL	CEMENTIN	G / SQUE	EZE RECORD				
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Co	ement	# Sacks	Used		Type and	Percent Additives		
Shots Per Foot	PERFORATI Specify I	ON RECORD - Footage of Each	Bridge Plugs Interval Perfo	s Set/Type orated			cture, Shot, Cemei mount and Kind of N		d 	Depth
TUBING RECORD:	Size:	Set At:		Packer At:		Liner Run:				
Date of First, Resumed	Production, SWD or EN		ducing Meth	od:		as Lift C	Yes No	0		
Estimated Production Per 24 Hours	Oil	Bbls.		Mcf	Water		ols.	Gas-Oil Ratio		Gravity
DISPOSITIO	ON OF GAS:		M	IETHOD OF	COMPLET	ION:		PRODUCTIO	ON INTER	VAL:
Vented Sold	Used on Lease	Open	Hole (Specify)	Perf.	Dually ((Submit AC		nmingled mit ACO-4)			

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Larry Stieben 2-21
Doc ID	1070129

Tops

Name	Тор	Datum
Anhydrite	1523	710
Heebner	3692	-1459
Lansing	3738	-1505
ВКС	4058	-1825
Pawnee	4136	-1503
Ft. Scott	4224	-1991
Cherokee	4244	-2011
Mississippian	4410	-2177
Gilmore City	4444	-2211
LTD	4468	-2235



American Warrior Inc

Larry Stieben #2-21

3118 Cummings Rd Garden City, Ks

21-18-22 Ness, Ks

67846

Job Ticket: 042183 DST#: 1

ATTN: Jason Alm

Test Start: 2011.04.02 @ 01:15:22

GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: Whipstock: Test Type: Conventional Bottom Hole ft (KB)

Time Tool Opened: 04:14:07 Time Test Ended: 09:10:37 Tester: Unit No:

55

Shane McBride

4272.00 ft (KB) To 4333.00 ft (KB) (TVD) Total Depth: 4333.00 ft (KB) (TVD)

Reference Elevations: 2233.00 ft (KB) 2227.00 ft (CF)

> KB to GR/CF: 6.00 ft

Hole Diameter: 7.88 inches Hole Condition: Fair

Serial #: 6667 Press@RunDepth:

Interval:

Inside

4273.00 ft (KB) 47.97 psig @

Capacity:

8000.00 psig

Start Date: 2011.04.02 End Date: 2011.04.02 08:54:37

Last Calib.: Time On Btm:

2011.04.02 2011.04.02 @ 04:13:52

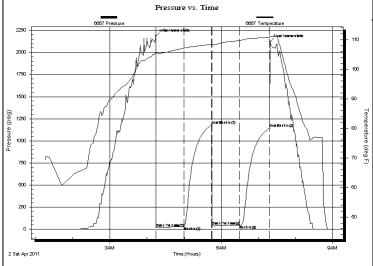
Start Time: 01:15:22 End Time:

Time Off Btm:

2011.04.02 @ 07:19:07

TEST COMMENT: 2 3/4"in blow

No return 2"in blow No return



J				
Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2183.65	105.91	Initial Hydro-static
	1	18.97	105.18	Open To Flow (1)
	46	32.50	107.17	Shut-In(1)
	90	1180.40	108.43	End Shut-In(1)
	91	42.07	108.18	Open To Flow (2)
	136	47.97	109.80	Shut-In(2)
	184	1145.52	110.83	End Shut-In(2)
	186	2118.93	111.18	Final Hydro-static

Cac Datas

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
70.00	o c m 20%o 80%m	0.34
0.00	6"in free oil on top	0.00
-	I	

Out Nates						
Choke (inches)	Drocoure (poig)	Coo Roto (Mof/d)				

Ref. No: 042183 Trilobite Testing, Inc. Printed: 2011.04.02 @ 14:36:00 Page 1



FLUID SUMMARY

DST#: 1

American Warrior Inc Larry Stieben #2-21

3118 Cummings Rd 21-18-22 Ness, Ks

Garden City, Ks Job Ticket: 042183 67846

Test Start: 2011.04.02 @ 01:15:22 ATTN: Jason Alm

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: 0 deg API 0 ppm

Cushion Length: Mud Weight: 9.00 lb/gal Water Salinity: ft

Viscosity: 55.00 sec/qt Cushion Volume: bbl

Water Loss: 10.34 in³ Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 4400.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	o c m 20% o 80% m	0.344
0.00	6"in free oil on top	0.000

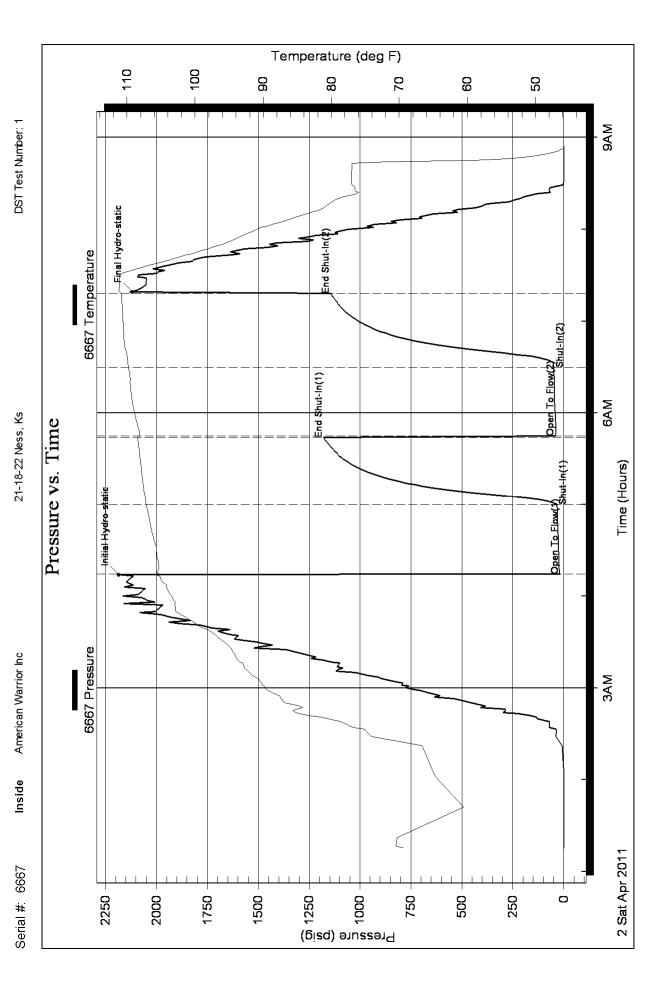
Total Length: 70.00 ft Total Volume: 0.344 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 042183 Printed: 2011.04.02 @ 14:36:01 Page 2



Printed: 2011.04.02 @ 14:36:01 042183 Ref. No: Trilobite Testing, Inc

Page 3



American Warrior Inc

Larry Stieben #2-21

3118 Cummings Rd Garden City, Ks

67846

21-18-22 Ness, Ks

Job Ticket: 042184

DST#: 2

Test Start: 2011.04.02 @ 14:51:02 ATTN: Jason Alm

GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: Whipstock: Test Type: Conventional Bottom Hole ft (KB)

Time Tool Opened: 17:11:17 Time Test Ended: 21:15:17 Tester: Shane McBride

Unit No:

55

Interval: 4271.00 ft (KB) To 4338.00 ft (KB) (TVD) Reference Elevations:

2233.00 ft (KB) 2227.00 ft (CF)

Total Depth: 4338.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 6.00 ft

Serial #: 6667 Press@RunDepth: Inside

4272.00 ft (KB) 50.03 psig @

Capacity: Last Calib.: 8000.00 psig

Start Date: 2011.04.02 End Date:

2011.04.02 Time On Btm: 20:53:17

2011.04.02 2011.04.02 @ 17:11:02

Start Time: 14:51:02 End Time:

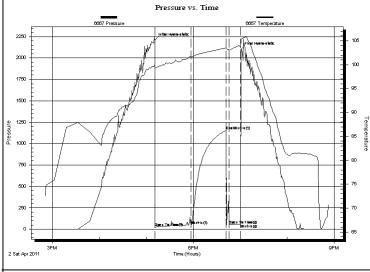
Time Off Btm:

2011.04.02 @ 19:01:02

TEST COMMENT: 2"in blow

No return

1/2"in blow after 15 min. pull tool



	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2209.59	99.95	Initial Hydro-static
	1	25.82	99.18	Open To Flow (1)
	46	50.03	101.69	Shut-In(1)
	91	1154.86	103.51	End Shut-In(1)
1	95	55.28	103.02	Open To Flow (2)
	109	60.20	103.65	Shut-In(2)
	110	2100.66	105.15	Final Hydro-static

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
60.00	heavy thick mud w/oil scum 100%m	0.30

Gas Rat		
Chalco (inabaa)	Drocoure (poig)	Coo Boto (Mof/d)

Trilobite Testing, Inc. Ref. No: 042184 Printed: 2011.04.03 @ 13:04:50 Page 1



FLUID SUMMARY

DST#: 2

American Warrior Inc Larry Stieben #2-21

3118 Cummings Rd **21-18-22 Ness, Ks**

Garden City , Ks 67846 Job Ticket: 042184

ATTN: Jason Alm Test Start: 2011.04.02 @ 14:51:02

Mud and Cushion Information

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

Mud Weight:9.00 lb/galCushion Length:ftViscosity:68.00 sec/qtCushion Volume:bbl

Water Loss: 9.97 in³ Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 5000.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	heavy thick mud w/oil scum 100%m	0.295

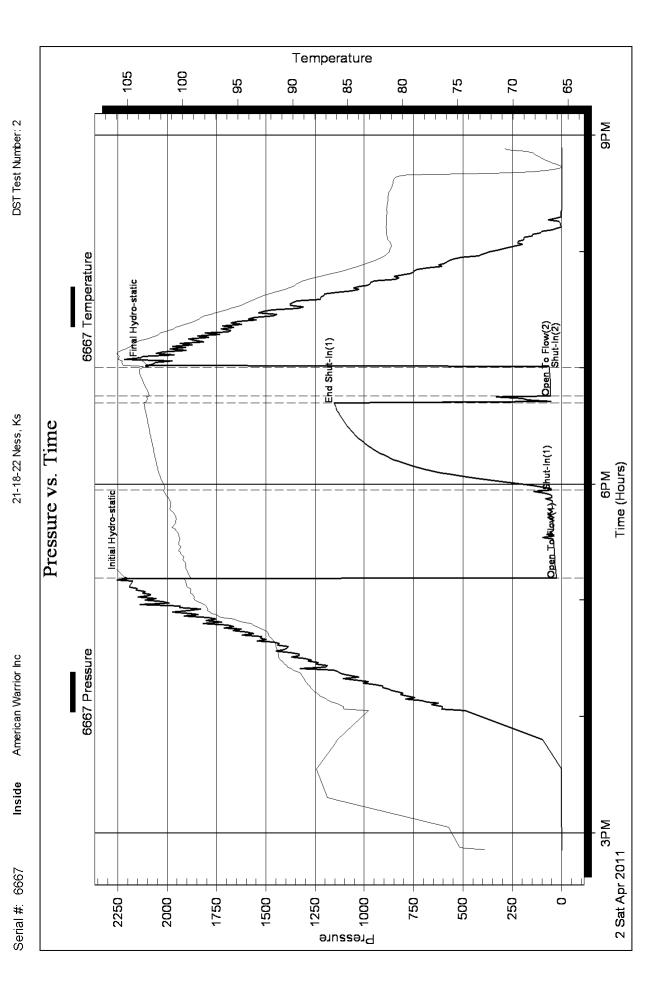
Total Length: 60.00 ft Total Volume: 0.295 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 042184 Printed: 2011.04.03 @ 13:04:51 Page 2



Printed: 2011.04.03 @ 13:04:51 042184 Ref. No:

Trilobite Testing, Inc

Page 3



American Warrior Inc

Larry Stieben #2-21

3118 Cummings Rd Garden City, Ks

ATTN: Jason Alm

21-18-22 Ness, KsJob Ticket: 042185

Tester:

Unit No:

DST#: 3

2227.00 ft (CF)

67846

JUD TICKEL 042165

Test Start: 2011.04.03 @ 03:55:58

Shane McBride

55

GENERAL INFORMATION:

Formation: Cherokee Sand

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

Time Tool Opened: 06:23:58
Time Test Ended: 11:25:43

Interval:

4271.00 ft (KB) To 4345.00 ft (KB) (TVD) Reference Elevations: 2233.00 ft (KB)

Total Depth: 4345.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 6.00 ft

Serial #: 6667 Inside

Press@RunDepth: 81.07 psig @ 4272.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2011.04.03
 End Date:
 2011.04.03
 Last Calib.:
 2011.04.03

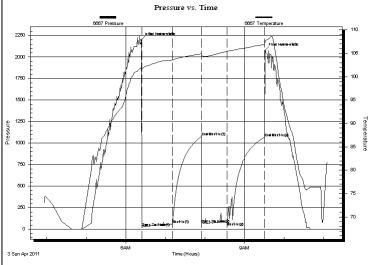
 Start Time:
 03:55:58
 End Time:
 11:06:43
 Time On Btm:
 2011.04.03 @ 06:22:58

Time Off Btm: 2011.04.03 @ 09:31:13

PRESSURE SUMMARY

TEST COMMENT: 3 3/4"in blow

No return 1 1/4"in blow No return



Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2200.34	101.72	Initial Hydro-static
	1	24.93	101.71	Open To Flow (1)
	48	59.43	103.54	Shut-In(1)
	92	1078.00	104.88	End Shut-In(1)
Ten	92	63.73	104.42	Open To Flow (2)
Temperature	131	81.07	105.36	Shut-In(2)
ure	188	1067.68	106.88	End Shut-In(2)
	189	2075.56	107.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	mud w /oil spots	0.59
0.00	show of free oil; on top	0.00

Gas Rat	es	
Choke (inches)	Pressure (nsig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 042185 Printed: 2011.04.03 @ 13:05:20 Page 1



FLUID SUMMARY

American Warrior Inc Larry Stieben #2-21

3118 Cummings Rd 21-18-22 Ness, Ks Garden City, Ks

67846

ATTN: Jason Alm

Job Ticket: 042185 DST#: 3

Test Start: 2011.04.03 @ 03:55:58

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: 0 deg API Mud Weight: Cushion Length: 9.00 lb/gal Water Salinity: 0 ppm ft

Viscosity: 68.00 sec/qt Cushion Volume: bbl

Water Loss: 9.96 in³ Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 5000.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	mud w /oil spots	0.590
0.00	show of free oil; on top	0.000

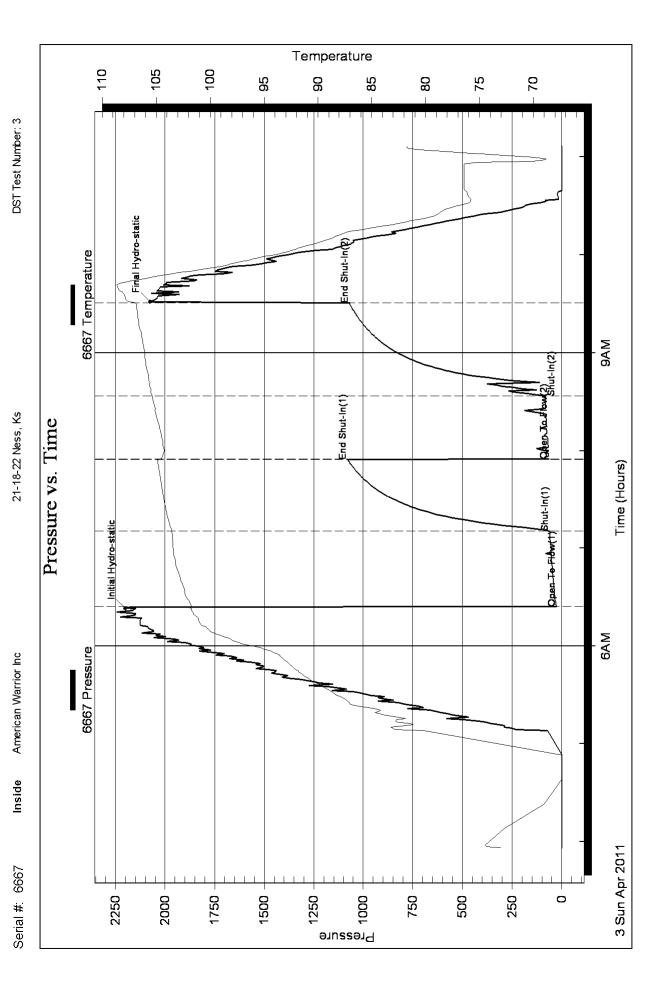
Total Length: 120.00 ft Total Volume: 0.590 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 042185 Printed: 2011.04.03 @ 13:05:21 Page 2



Page 3

ALLIED CEMENTING CO., LLC. 038734

Federal Tax I.D.# 20-5975804

DATE 3 7 C - 11 3 3 1 8 21 COUNTY STA OLD OR NEW (Circle one) CONTRACTOR Petromax Ochling CONTROTMATOR OCHLING CONTRACTOR Petromax Ochling CONTROTMATOR OCHL	KUSSELL, KANSAS 6/665	SER	VICE POINT:	£
DATE 3 7 7 11 30 13 12 11 15 15 15 15 15 15 15 15 15 15 15 15			Cocat 8	145
LEASE (25/2) WELLE 4-30 LOCATION PATINE XS. 3 asst to fell it it stock of the stock	SEC. TWP. RANGE CALLED OUT	T ON LOCATION	1115pm	JOB FINISH
OUNTRACTOR P. France & Ochling OWNER Pressent Collect TYPEOF IOB 5 = (CCC) TYPEOF IOB 5 = (CC	blo WELL # 4-30 LOCATION ROZING X4 3	+ +20/1/1 3000	COUNTY	STATE
CONTRACTOR Personal Quiling OWNER Pressed Wester TYPE OF 10B 5 or Coce HOLE SIZE 17 Au T.D. 27.3 CEMENT CASING SIZE 17 Au T.D. 27.3 CEMENT CEMENT CASING SIZE DEPTH DEETH TOOL DEPTH TOOL D		10 NO RA STICE	**	· !
TYPE OF JOB 3 - (CCC T.D. 273 CEMENT		<u> </u>		
TYPE OF JOS JACCE NOLE SIZE 17 1/2 T.D. 273 CASING SIZE 3 DEPTH 2 T.D. AMOUNT ORDERED 60 S.C. CON. 3 C.C. DEPTH TOOL D	CTOR Petromack Ochling OWNE	American Was	cor.	
AMOUNT ORDERED 160 section 3 foce Trushing SIZE DEPTH TUBING SIZE DEPTH TOOL	JOB Juriace			
TUBING SIZE DEPTH DRILL PIPE DEPTH TOOL DEPTH PRES. MAX MINIMUM COMMON MEAS. LINE SHOE JOINT POZMIX GEL GEL GEL GEL GEL GEL GEL GE				Tr ori
DRILL PIPE TOOL DEPTH PRES. MAX MINIMUM MEAS. LINE SHOE JOINT POZMIX © CEMENT LEFT IN CSG. 15 C7 GEL 5 c./ © PERFS. CHLORIDE 5 c./ © PERFS. CHLORIDE 5 c./ © DISPLACEMENT © EQUIPMENT © FUMPTRUCK CEMENTER 5c. 6c. © # 5 (C. HELPER 33c. 6c.) © BULK TRUCK © # 3 4/1 DRIVER Mack (2006/H) © BULK TRUCK © # 3 4/1 DRIVER Mack (2006/H) © REMARKS: REMARKS: FYE ON LOTAL SERVICE ON LOTAL SERVICE DISPLACE IT 3 b. 1/1 S. C. (2006/H) © CHARGE TO: MACK 16 c. (2006/H) C. (2006/H) C. (2006/H) CHARGE TO: MACK 16 c. (2006/H) C. (2006/H) C. (2006/H) CHARGE TO: MACK 16 c. (2006/H) CHARGE TO: MACK		NT ORDERED <u>160 5.</u>	L Com 3º	6cc 7/08
TOOL DEPTH PRES. MAX MINIMUM MEAS. LINE SHOE JOINT POZMIX © CEMENT LEFT IN CSG. 15 CY GEL 3 c. / © PERFS. CHLORIDE 5 c. © CHLORIDE 5 c. © DISPLACEMENT EQUIPMENT FUMP TRUCK CEMENTER 3 c. 6 c. © BULK TRUCK # 3 (1 DRIVER Mark (coscil)) BULK TRUCK # DRIVER HANDLING @ MILEAGE TOTAL SERVICE STATE CHARGE TO: MACK 1 C. 1				
PRES. MAX MINIMUM COMMON GO POZMIX				
MEAS. LINE SHOE JOINT POZMIX @ CEMENT LEFT IN CSG. 15 CY GEL 3 c / @ CHLORIDE 5 c & CHLORIDE 5 c		ON_160 -	@	garanti ay
GEL SCORE GEL SC	The state of the s			
EQUIPMENT			@	
EQUIPMENT PUMPTRUCK CEMENTER 3666. # 366 HELPER 3566. # 341 DRIVER Mack (2056!) BULK TRUCK # DRIVER REMARKS: REMARKS: REMARKS: TOTAL SERVICE SING SO Classed 3666. DEPTH OF JOB 777 DISPLACE 12.5 bills Geesh with a seminary pumptruck Charge EXTRA FOOTAGE MILEAGE DEPTH OF JOB 777 DISPLACE 12.5 bills Geesh with a seminary pumptruck Charge EXTRA FOOTAGE MANIFOLD CHARGE TO: STREET TOTAL				
PUMP TRUCK CEMENTER Beb 66. # 366 HELPER Bob 66. # 341 DRIVER Mack (cosell) BULK TRUCK # 4 DRIVER Mack (cosell) REMARKS: REMARKS: TOTAL SERVICE SERVICE SERVICE MILEAGE DEPTH OF JOB 222 DEPTH OF JOB				
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PUMPTRUCK CEMENTER 15cb 00. # 366 HELPER 15cb 01. BULK TRUCK # 341 DRIVER Mark (2.55cl) BULK TRUCK # DRIVER REMARKS: REMARKS: TOTAL Pro a botton beek up to center line standship of the	The state of the s		_ `	
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BULK TRUCK # DRIVER HANDLING @ MILEAGE REMARKS: TOTAL SERVICE SINCE ON BOTTON SECRET SECRET SHOULD SERVICE SINCE ON BOTTON SECRET SHOULD SERVICE SERVICE DEPTH OF JOB ZZZ DEPTH OF JOB Z				
BULK TRUCK # DRIVER REMARKS: REMARKS: TOTAL SERVICE SING On botton been to execute the without of the point of contractor. I have read and understand the "GENERAL ALLER TOTAL HANDLING BHANDLING BERVICE TOTAL SERVICE DEPTH OF JOB 222 PUMP TRUCK CHARGE EXTRA FOOTAGE MANIFOLD BERTH OF JOB 222 PUMP TRUCK CHARGE EXTRA FOOTAGE MANIFOLD BERTH OF JOB 222 PUMP TRUCK CHARGE EXTRA FOOTAGE MANIFOLD BERTH OF JOB 222 PUMP TRUCK CHARGE EXTRA FOOTAGE MANIFOLD BERTH OF JOB 222 FUMP TRUCK CHARGE EXTRA FOOTAGE MANIFOLD BERTH OF JOB 222 BERT OF JOB 222 BERTH OF JOB 222 BERT OF				
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SERVICE Short adown back up to centert line stands bloom back up to centert PUMP TRUCK CHARGE EXTRA FOOTAGE MILEAGE MANIFOLD © CHARGE TO: Mexicon (1)0000 EXTREET TOTAL		GE		
SERVICE Start Compare Centert Inc. Start		$\theta = -\frac{1}{2} \left(\frac{1}{2} - \frac{1}{2} \right)$	TOTAL	(· · · · · · · · · · · · · · · · · · ·
Short Wound heart was the content lane to a 55bl Street min 160 to Class H 360 to 7 feet DEPTH OF JOB 777 Displace 17.5 hbls Gresh we for 5 hart coment PUMP TRUCK CHARGE EXTRA FOOTAGE @ MILEAGE @ MILEAGE @ MILEAGE @ CHARGE TO: MMC 180 M(1)0 C(1)0	botton breat exculation withry			en en en en en
DEPTH OF JOB 777 DISPLACE 17.5 hbls Gresh with Shart coment PUMP TRUCK CHARGE EXTRA FOOTAGE @ MILEAGE @ MANIFOLD @ CHARGE TO: MAY IRAN (Jack) STREET	Dan hook at a contest to a cell	SERVI	ICE	en de Maria de Maria de la composición de la composición de la composición de la composición de la composición La composición de la
TOTAL		OF IOR 777		
EXTRA FOOTAGE	(12.5 hbls Ecesh water Shat coment PUMP)	RUCK CHARGE		Free Control
CHARGE TO: MANIFOLD @ @ @ CHARGE TO: MANIFOLD & CHARGE TO: M				
CHARGE TO: MANIFOLD @ @ @ CHARGE TO: MANIFOLD & CHARGE TO: M	MILEA	GE		
CHARGE TO: TOTAL STREET CITY STATE ZIP PLUG & FLOAT EQUIPMENT TO Allied Cementing Co., LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL				
TOTAL				
TOTAL			@	
TOTAL			and the second second	
CITYSTATEZIP	TO: AMERICON WORLD			
To Allied Cementing Co., LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL SALES TAY (ISA = 1)	TO: American War 100		TOTAL	
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To Allied Cementing Co., LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL"		PLUG & FLOA		
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CITY, STATE, ZIP CODE	

TICKET 20655

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ACCEPTANCE OF MATERIALS AND SERVICES

APPROVAL

Thank You!



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TICKET 20791

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Geological Report

American Warrior, Inc. Larry Stieben #2-21 480' FNL & 2180' FEL Sec. 21 T18s R22w Ness County, Kansas



American Warrior, Inc.

General Data

merican Warrior, Inc.

Larry Stieben #2-21 480' FNL & 2180' FEL Sec. 21 T18s R22w Ness County, Kansas API # 15-135-25199-0000

Drilling Contractor: Petromark Drilling, LLc Rig # 1

Geologist: Jason Alm

Spud Date: March 26, 2011

Completion Date: April 4, 2011

Elevation: 2227' Ground Level

2233' Kelly Bushing

Directions: Bazine KS, 3 mi. West on Hwy 96 to AA rd. North

2 mi. to 150 rd. West into location.

Casing: 223' 8 5/8" surface casing

4468' 5 1/2" production casing

Samples: 10' wet and dry, 3600' to RTD

Drilling Time: 3600' to RTD

Electric Logs: Log-Tech, Inc. "Kenyon Bange"

CNL/CNL, DIL, MEL, BHCS

Drillstem Tests: Three, Trilobite Testing, Inc. "Shane McBride"

Problems: Trip out of hole to fix drilling nipple and flowline

@ 3687'. Bit Trip was conducted @ 4416'.

Remarks: DST #2 was pulled early due to similar weak blow

during DST #1.

Formation Tops

	American Warrior, Inc.
	Larry Stieben #2-21
	Sec. 21 T18s R22w
Formation	480' FNL & 2180' FEL
Anhydrite	1523', +710
Base	1556' , + 677
Heebner	3692', -1459
Lansing	3738', -1505
BKc	4058', -1825
Pawnee	4136', -1903
Fort Scott	4224', -1991
Cherokee	4244', -2011
Basil Cher. Sand	4318', -2085
Mississippian	4410', -2177
Gilmore City	4444', -2211
LTD	4470', -2237
RTD	4468', -2235

Sample Zone Descriptions

Basil Cher. Sand (4318',

(4318', -2085): Covered in DST #1,2,3

Ss – Very fine to course grained, mostly well sorted, sub-angular to sub-rounded, fairly to well cemented with poor to fair intergranular porosity, friable in part, light to fair scattered oil stain in cluster, show of free oil when broken, light odor, light to fair yellow cut fluorescents, few random large pebbles in tray, 55-100 units hotwire.

Drill Stem Tests

Trilobite Testing, Inc. "Shane McBride"

DST #1 Basil Cherokee Sand

Interval (4272' – 4333') Anchor Length 61'

IHP - 2184 #

IFP - 45" - Built to 2 ¾ in. 19-33 #
ISI - 45" - Dead 1180 #
FFP - 45" - Built to 2 in. 42-48 #
FSI - 45" - Dead 1146 #

FHP - 2119 # BHT - 111°F

Recovery: 70' OCM 20% Oil

DST #2 Basil Cherokee Sand

Interval (4271' – 4338') Anchor Length 67'

IHP - 2209 #

 $\begin{array}{ll} FHP & -2101~\# \\ BHT & -105^{\circ}F \end{array}$

Recovery: 60' Mud w/ oil scum

DST #3 Basil Cherokee Sand

Interval (4271' – 4345') Anchor Length 74'

IHP - 2200 #

IFP - 45" - Built to 3 ½ in. 24-59 #
ISI - 45" - Dead 1078 #
FFP - 45" - Built to 1 ¼ in. 63-81 #
FSI - 45" - Dead 1067 #

FHP - 2075 # BHT - 107°F

Recovery: 120' Oil Spotted Mud

Structural Comparison

	American Warrior, Inc.	American Warrior, Inc.		Pickrell Drilling Co.	
	Larry Stieben #2-21	Larry Stieben #1-21		Wegele A #1	
	Sec. 21 T18s R22w	Sec. 21 T18s R22w		Sec. 22 T18s R22w	
Formation	480' FNL & 2180' FEL	1030' FNL & 1660' FEL		C NW SW	
Anhydrite	1523', +710	1525', +709	(+1)	1456', +717	(-7)
Base	1556', +677	1558', +676	(+1)	Not Available	NA
Heebner	3692', -1459	3690', -1456	(-3)	3625', -1452	(-7)
Lansing	3738', -1505	3736', -1502	(-3)	3666', -1493	(-12)
BKc	4058', -1825	4052', -1818	(-7)	Not Available	NA
Pawnee	4136', -1903	4130', -1896	(-7)	4068', -1895	(-8)
Fort Scott	4224', -1991	4214', -1980	(-9)	4153', -1980	(-11)
Cherokee	4244', -2011	4236', -2002	(-9)	4172', -1999	(-12)
Basil Cher. Sand	4318', -2085	Not Encountered	NE	4238', -2065	(-20)
Mississippian	4410', -2177	4305', -2071	(-106)	4278', -2105	(-72)
Gilmore City	4444', -2211	Not Reached	NR	Not Reached	NR

Summary

The location for the Larry Stieben #2-21 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Three drill stem tests were conducted all of which were inconclusive. After all gathered data had examined the decision was made to run 5 1/2 inch production casing to further evaluate the Larry Stieben #2-21 well.

Recommended Perforations

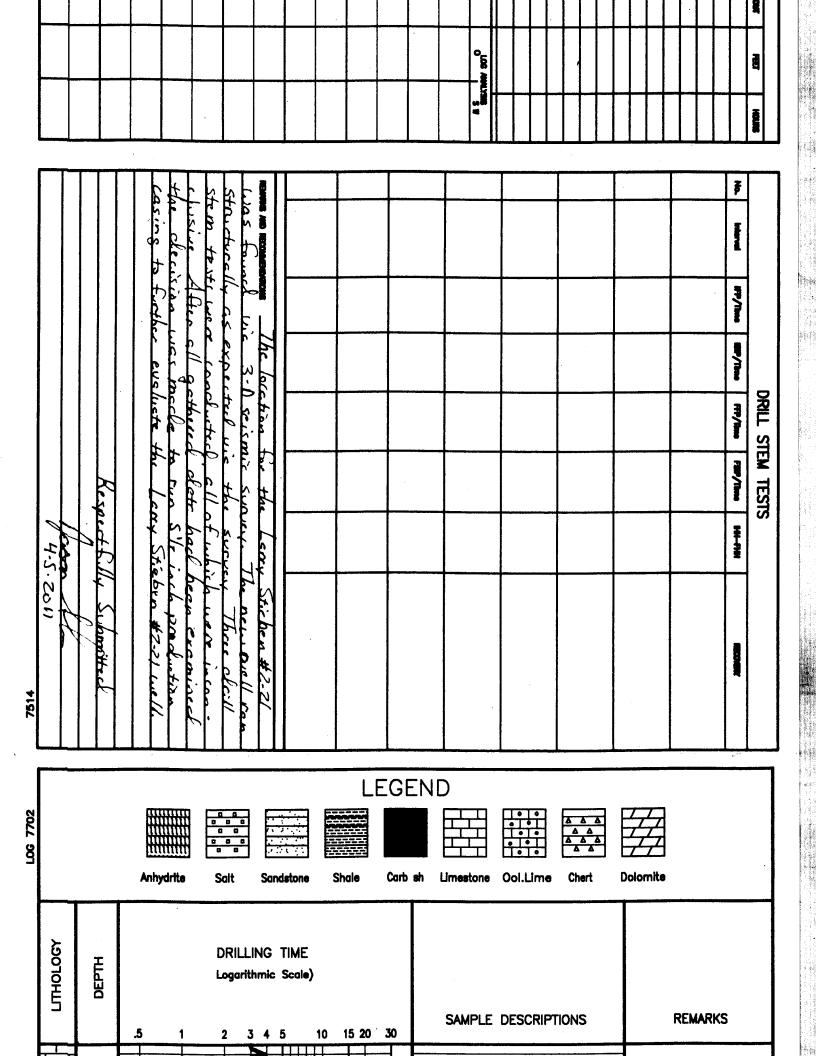
Basil Cherokee Sand (4318' – 4330') DST #1,2,3

Respectfully Submitted,

Jason Alm Hard Rock Consulting, Inc.

GEDLOGICAL SUPERVISION FROM 3700 COMM: 3.26.2011 CONTRACTOR Petromark DRILLING TIME KEPT FROM SAMPLES SAVED FROM __ 102 HAZO 3400 SEC. 21 LEASE . COUNTY _ FIELD Walnut Hill OPERATOR American LOCATION 480 FNL 2120 FEL cebpec REFERENCE WELL FOR STRUCTURAL COMPARISON Anhydite Borred **FORMATION** arry Sticken WELL NO. 2-21 1523 + 710 1536 + 677 _ TWP._ 5 Hard Rock Consulting, Inc. COMP DRILLING TIME AND SAMPLE LOG _ TYPE MUD_ 3600 Jason Alm Petroleum Geologist 185 Drilling LL STATE | | |-GEOLOGIST'S REPORT 1030' ANL : 1660' FEL Warrior, Inc Hays, KS 6760 89111 P.O. Box 1260 | | | | . RGE_22... Chemice Sordoy RID RTD RH Rig #17 STRUCT. SURFACE 8/8 1/0 223 GL 2227' 6 Alexander . PRODUCTION 51/2 16 4468 From Selly Measurements, 3 **ELECTRICAL SURVEYS** mel. MEL, BHCS 48 185 CASING RECORD 21 7185 ELEVATION Tech Bushing GMP 172214 RZZW 8 DESCRIPTION OF SIGN Ħ Ħ

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70 70 80 90 4200		L.s. 6/4 · / * 6/4 · 5.6 * / DAVS	ISI 1180# Dead FF 42.48# Rivitto 2:a FSI 1146# Dead EH 7119# BHT 111°F Recovery: 70 00m 20% 0:1
70 70 80 90 4200		L.s. 6/4 · / * 6/4 · 5.6 * / DAVS	ISI NOW Dead FF 42.48# Ruilt to Zia FSI 1146# Dead FH 7119# BHT 111°F Recovery: 70.00M 20% Oil DST#2 Basil Chec. Sand
70 70 80 90 4200		L.s. 6/4 · / * 6/4 · 5.6 * / DAVS	ISI 1180# Deacl FF 42.48# Riville to 2: FSI 1146# Deacl FH 7119# BHT 111°F Recovery: 70.0cm 20% Oil DST#2 Basil Chee. Sand 4271'-4338'
60 70 80 90 4200		Ls. Gry. / s. Gry. S. Jos./. Dass Ls. ola Ls. ola Sh. Dak Gry	ISI 1180# Deacl FF 42.48# R.::1146# Deacl FY 7119# BHT 111°F Recovery: 70.00M 20% Oil DST#2 Basil Chec. Sand 4271'-4338' 45"-45"-15"
70 70 80 90 4200		Ls. 6/y. /s. 6/y. 5. 6x/. Dass Ls. a/c	ISI 180# Deacl FF 42.48# R.::18 to 2: FSI 1146# Deacl FH 7119# BHT 111°F Recovery: 70.0cm 20% Oil DST#2 Basil Chec. Sand 4271'-4338' 45"-45"-15" IN 2207#
70 70 80 90 4200		Ls. Gry. / s. Gry. S. Jos./. Dass Ls. ola Ls. ola Sh. Dak Gry	ISI 180# Deacl FF 42.48# R.::18 to 2: FSI 1146# Deacl FH 7119# BHT 111°F Recovery: 70.0cm 20% Oil DST#2 Basil Chec. Sand 4271'-4338' 45"-45"-15" IN 2207#
60 70 80 90 4200		Ls. Gry. / s. Gry. S. Jos./. Dass Ls. ola Ls. ola Sh. Dak Gry	ISI NOW DEACH FF 42.48# RWINTED 2:a. FSI 1146# DEACH EH 7119# BHT 111°F Recovery: 70.00M 20% Oil DST#2 Basil (hec. Sand 427/-4338' 45"-45"-15" IN 22078 IF 26.50# Built to 2ia.
60 70 80 90 4200		Ls. 6/4. / 4 64, 5 64/ DAS Ls. 0/6 Ls. 0/6 Sh. Dak Gay 33 Sh. 13/5, (ado.)	ISI NOW DEACH FF 42.48# RWINTED 2:a. FSI 1146# DEACH EH 7119# BHT 111°F Recovery: 70.00M 20% Oil DST#2 Basil (hec. Sand 427/-4338' 45"-45"-15" IN 22078 IF 26.50# Built to 2ia.
60 70 80 90 4200		Ls. Gry. / s. Gry. S. God. Dass Ls. ala Ls. ala Sh. Dek Gry 33 Sh. 13/5, Cacb. 45 Pro Coll. In the Subject of South and Parks of Street of St	ISI 1180# Dead FF 42.48# Roll to 2ia FSI 1146# Dead EH 7119# BHT 111°F Recovery: 70 00M 20% 0il DST#2 Basil (hec. Sand 427/'-4338' 45"-45"-15" IN 2207# IF 26.50# Built to 2ia. ISI 1135#
60 70 80 90 4200 10 20 30		LS. 6/4. 14.60, 5.60/. Days LS. 0/9 LS. 0/9 LS. 0/9 LS. 0/9 LS. 0/9 Sh. Dak 6/4 Sh. 13/5, (a.b., 45 LS. 7c. CH. J. Fa. S. S. J.	ISI 1180# Dead FF 42.48# Roll to 2ia FSI 1146# Dead EH 7119# BHT 111°F Recovery: 76 Ocm 20% Oil DST#2 Basil (hec. Sand 427/'-4338' 45"-45"-15" IN 2207# IF 26.50# Built to 2ia. ISI 1135#
60 70 80 90 4200		Ls. Gry. / s. Gry. S. God. Dass Ls. ala Ls. ala Sh. Dek Gry 33 Sh. 13/5, Cacb. 45 Pro Coll. In the Subject of South and Parks of Street of St	ISI 1180# Dead FF 42.48# Ruill to 2:a FSI 1146# Dead EH 7119# BHT 111°F Recovery: 70.00M 20% 0:1 DST#2 Basil (hec. Sand 427/-4338' 45"-45"-15" IN 2207# IF 26.50# Buill to 2:a. ISI 1155#2 FF SS.60# Ruill to 1/2:a.
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60 70 80 90 4200 40 30		LS-O/G LS-O/G LS-O/G Sh-Dek Gey 33 Sh-13/E, (arb. 45 LS-Ten-CH. J. Far. S. Day 11/2 Par S.	ISI 1180# Dead FF 42.48# Ruill to 2:a FSI 1146# Dead EH 7119# BHT 111°F Recovery: 70.00M 20% Oil DST#2 Basil (hec. Sand 427/-4338' 45"-45"-15" IN 2207# IF 26.50# Built to 2:a. ISI 1155#L FF SS.GO# Ruill to 1/2:a FH 2101# BHT 105°F
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