



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1195678  
OIL & GAS CONSERVATION DIVISION

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 # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

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: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

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: \_\_\_\_\_

1195678

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Congdon 7-28
Doc ID	1195678

All Electric Logs Run

Induction
Porosity
Micro
Sonic

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Congdon 7-28
Doc ID	1195678

Tops

Name	Top	Datum
Anhy	1867	+985
B/Anhy	1952	+900
Heebner	3833'	-981
Lansing	3877	-1025
B/KC	4371'	-1519
Marmaton	4398'	-1546
Ft.Scott	4503'	-1651
Morrow	4686'	-1834
Mississippian	4694'	-1842



**CEMENTING LOG**

Date 3/1/2014 District Liberal # 21 Ticket No. 53081  
 Company American Warrior Rig Duke # 10  
 Lease Congdon Well No 7-28  
 County Finney State Ks

Location \_\_\_\_\_  
 Field \_\_\_\_\_

Casing Data  Conductor  PTA  Squeeze  Misc.  
 Surface  Intermediate  Production  Liner

Size 8 5/8 Type \_\_\_\_\_ Weight 24 Collar \_\_\_\_\_

Casing Depths Top \_\_\_\_\_ Bottom 1750

Drill Pipe: BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_  
 Open Hole: BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_  
 Capacity Factors: BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_  
 Casing BBLs/LIN. FT 0.0637 LIN. FT/BBL \_\_\_\_\_  
 Open Holes BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_  
 Drill Pipe BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_  
 Annulus BBLs/LIN. FT 0.0735 LIN. FT/BBL 13.6037  
 BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_  
 Perforations From \_\_\_\_\_ ft to \_\_\_\_\_ ft Amt \_\_\_\_\_

CEMENT DATA

Spacer Type 10 bbl water  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

LEAD: Time \_\_\_\_\_ hrs. Type CLASS A  
65/35, 6%GEL, 1/4FLOSEAL Excess 50%

Amt. 625 Sks Yield 1.94 ft<sup>3</sup>/sk Density 12.4 PPG

TAIL: Time \_\_\_\_\_ hrs. Type CLASS A  
3%cc,,1/4 floseal Excess \_\_\_\_\_

Amt. 200 Sks Yield 1.18 ft<sup>3</sup>/sk Density 15.6 PPG

WATER Lead 10.9 Gal/sk Tail 5.3 Gal/sk Total \_\_\_\_\_ BBLs

Pump Trucks Used: 700-686

Bulk Equipment 705-B642  
472-554

Float Equipment: Manufacturer WEATHERFORD

Shoe: Type GUIDE SHOE Depth 1750

Float: Type AFU Insert Valve Depth 1707.69

Centralizers: Quantity 3 Plugs Top 1 Bottom \_\_\_\_\_

Stage Collars \_\_\_\_\_

Special Equipment Cement Basket @ 672 ft

Disp: Fluid Type H2O Amt 108.8 bbls Weight 8.34 PPG

Mud Type \_\_\_\_\_ Weight \_\_\_\_\_

COMPANY REPRESENTATIVE \_\_\_\_\_ CEMENTER ALDO ESPINOZA

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLs/MIN	
300pm						ARRIVE TO LOCATION -- RUN FLOAT EQUIPMENT
330PM						RIG UP
520PM						CASING ON BOTTOM
630PM						SAFETY MEETING
650PM	2500					PRESSURE TEST
655PM	150		10		6	10 BBL WATER SPACER
658PM	150		229		6	PUMP 219 BBL OF LEAD SLURRY CEMENT
736PM	180		278		6	PUMP 49 BBL OF TAIL SLURRY CEMENT
751PM					4	RELEASE PLUG- START DISPLACEMENT
802PM	30		298		5	20 BBL GONE
806PM	190		318		5	40 BBL GONE
810PM	280		338		5	60BBLGONE
815PM	430		358		5	80 BBL GONE
818PM	500		378		3	100 BBL GONE SLOW DOWN TO 3 BPM
820PM	1180				3	BUMP PLUG
825PM						RELEASE PRESSURE, CHECK FLOATS
830PM						RIG DOWN
915PM						LEAVE LOCATION
						40 BBL OF CEMENT BACK
						BY EMILIO'S REQUEST MIX LEAD SLURRY @ 13 # / G

FINAL DISP. PRESS. 580 PSI BUMP PLUG TO 1180 PSI BLEEDBACK 0.5 BBLs **THANK YOU**



CHARGE TO: **AMERICAN WARRIOR**  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

TICKET 26121

PAGE 1 OF 2

SERVICE LOCATIONS: 1. **Ness City, KS**  
 WELL/PROJECT NO.:  
 LEASE: **CONGDON 7-28** COUNTY/PARISH: **FINNEY** STATE: **KS** CITY: **GARDEN CITY, KS** DATE: **31 MAR 14** OWNER:  
 2. TICKET TYPE:  SERVICE  SALES CONTRACTOR: **DUKE DRILLING RIG #10** RIG NAME/NO.:  
 3. WELL TYPE: **OIL** WELL CATEGORY: **DEVELOPMENT** JOB PURPOSE: **S2 LONGSTRING** WELL PERMIT NO.:  
 4. REFERRAL LOCATION: INVOICE INSTRUCTIONS: **JENNY BARKER RD, 2N, 3/4 W, N/E IUTO**

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE # 115	90		ML		6.00	540.00
578					PUMP CHARGE	1		JOB		1500.00	1500.00
402					CENTRALIZERS	9		EA.		70.00	630.00
403					CEMENT BASKET	1		EA.		300.00	300.00
406					LATCH DOWN PLUG & BAFFLE	1		EA.		275.00	275.00
407					INSERT FLOAT SHADE W/ FILL	1		EA.		375.00	375.00
419					ROTATING HEAD RENTAL	1		JOB		200.00	200.00
281					MUD FLUSH	500		gal		1.25	625.00
321					LIQUID KCL	2		gal		25.00	50.00

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

X  
 DATE SIGNED: **3-11-14** TIME SIGNED: **1100** **8** 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	PAGE TOTAL	#1	#2
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					4495	00
WE UNDERSTOOD AND MET YOUR NEEDS?					5381	12
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				subtotal	9876	12
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Finney TAX 7.3%	486	29
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	10,362	41
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND						

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

SWIFT OPERATOR: **David Kuehn** APPROVAL:

Thank You!



PO Box 466  
Ness City, KS 67560  
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 26121

CUSTOMER AMERICAN WARRIOR WELL CONGOON 7-28 DATE PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	U/M	QTY.	U/M		
276						FLOCELE	50	lbs			2 <sup>50</sup>	125 <sup>00</sup>
283						SALT	900	lbs			00 <sup>20</sup>	180 <sup>00</sup>
284						CALSEAL	8	bx			35 <sup>00</sup>	280 <sup>00</sup>
292						HALAD-322	125	lbs			8 <sup>00</sup>	1000 <sup>00</sup>
290						D-AIR	2	sqz			42 <sup>00</sup>	84 <sup>00</sup>
325						STANDARD EA-2	175	sq			14 <sup>50</sup>	2537 <sup>50</sup>
581						SERVICE CHARGE					2 <sup>00</sup>	350 <sup>00</sup>
583						MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES		1 <sup>00</sup>	824 <sup>62</sup>
							18325	90	824.62			

CONTINUATION TOTAL 5381.12



JOB LOG

SWIFT Services, Inc.

DATE 11 MAR 14 PAGE NO. 7

CUSTOMER AMERICAN WARRIOR

WELL NO.

LEASE CONGDON 7-28

JOB TYPE 5 1/2 LONGSTRING

TICKET NO. 26121

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0100							ON LOCATION
	0255							START PIPE 5 1/2 - 15.5 # RTD @ 4875 SET @ 4867 SHOE JT. 20.85 CENTRALIZERS. 1, 2, 3, 4, 5, 7, 9, 11, 13 BASKETS. 7
	0910							DROP BALL - CIRCULATE.
	0940	6	12				400	Pump 500 gal MWD FLUSH
		6	20				400	Pump 20 BBL KCL FLUSH
			7.5					PLUG RA - 30sx, MH - 20sx
	1000	4	30					MIX 125 SX EA2.
								WASH OUT Pump & LINES.
	1015	6	Ø				200	START DISPLACING PLUG.
	1035		115 1/2				1500	PLUG DOWN - LATCH PLUG IN.
								RELEASE PSI - DRY
								WASH TRUCK
	1100							JOB COMPLETE.
								THANKS # 115
								JASON DAVE DOUG JUAN



## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

3118 Cummings RD  
Garden City, KS 67846

ATTN: Kevin Timson

### **Congdon #7-28**

#### **28-23s-32w-Finney,KS**

Start Date: 2014.03.09 @ 07:47:00

End Date: 2014.03.09 @ 18:23:00

Job Ticket #: 55724                      DST #: 1

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

Printed: 2014.03.15 @ 11:31:11



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc.  
3118 Cummings RD  
Garden City, KS 67846  
ATTN: Kevin Timson

**28-23s-32w-Finney,KS**

**Congdon #7-28**

Job Ticket: 55724

**DST#: 1**

Test Start: 2014.03.09 @ 07:47:00

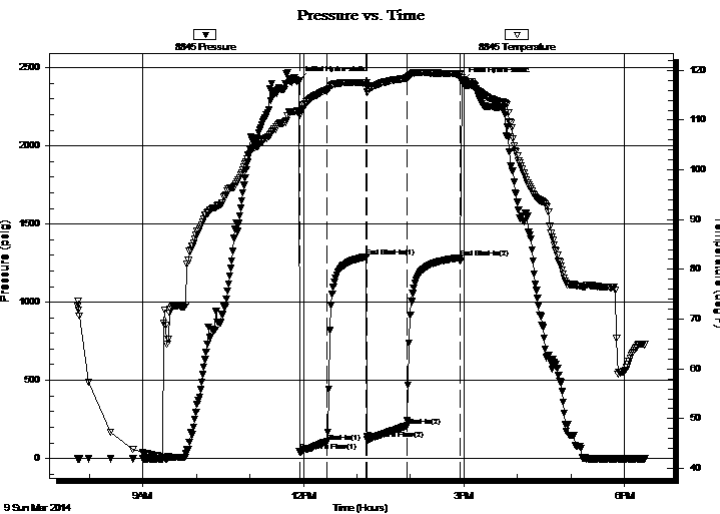
## GENERAL INFORMATION:

Formation: **St. Louis**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:55:30  
 Time Test Ended: 18:23:00  
 Interval: **4770.00 ft (KB) To 4786.00 ft (KB) (TVD)**  
 Total Depth: 4786.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Cornelio Landa III  
 Unit No: 71  
 Reference Elevations: 2852.00 ft (KB)  
 2841.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8845 Outside**

Press@RunDepth: 208.56 psig @ 4771.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.03.09 End Date: 2014.03.09 Last Calib.: 2014.03.09  
 Start Time: 07:47:05 End Time: 18:23:00 Time On Btm: 2014.03.09 @ 11:55:15  
 Time Off Btm: 2014.03.09 @ 14:57:15

**TEST COMMENT:** IF: B.o.b. in 2 1/2 min.  
 IS: Bled off in 4 min.-Surface blow back-Built to B.o.b. in 10 min.  
 FF: B.o.b. Immediately  
 FS: Bled off in 4 min.- Surface blow back-Built to B.o.b. in 15 min.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2414.82	111.76	Initial Hydro-static
1	42.85	110.86	Open To Flow (1)
32	106.68	116.07	Shut-In(1)
76	1290.10	117.44	End Shut-In(1)
77	120.12	115.66	Open To Flow (2)
121	208.56	118.47	Shut-In(2)
181	1285.08	119.20	End Shut-In(2)
182	2409.52	118.49	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
31.00	W & Ocm & G 20w 20o 30m 30g	0.15
63.00	Cgo 10g 90o	0.88
441.00	Cgo 50g 50o	6.19
0.00	GIP=1070	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior Inc.

**28-23s-32w-Finney,KS**

3118 Cummings RD  
Garden City, KS 67846

**Congdon #7-28**

Job Ticket: 55724

**DST#: 1**

ATTN: Kevin Timson

Test Start: 2014.03.09 @ 07:47:00

## Tool Information

Drill Pipe:	Length: 4736.00 ft	Diameter: 3.80 inches	Volume: 66.43 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 26000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 10000.00 lb
			<u>Total Volume: 66.58 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4770.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	43.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4744.00	
Shut In Tool	5.00			4749.00	
Hydraulic tool	5.00			4754.00	
Jars	5.00			4759.00	
Safety Joint	2.00			4761.00	
Packer	5.00			4766.00	27.00 Bottom Of Top Packer
Packer	4.00			4770.00	
Stubb	1.00			4771.00	
Recorder	0.00	6772	Outside	4771.00	
Recorder	0.00	8845	Outside	4771.00	
Perforations	10.00			4781.00	
Bullnose	5.00			4786.00	16.00 Bottom Packers & Anchor

**Total Tool Length: 43.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc.

**28-23s-32w-Finney,KS**

3118 Cummings RD  
Garden City, KS 67846

**Congdon #7-28**

Job Ticket: 55724

**DST#: 1**

ATTN: Kevin Timson

Test Start: 2014.03.09 @ 07:47:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

55000 ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
31.00	W & Ocm & G 20w 20o 30m 30g	0.152
63.00	Cgo 10g 90o	0.884
441.00	Cgo 50g 50o	6.186
0.00	GIP=1070	0.000

Total Length: 535.00 ft      Total Volume: 7.222 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

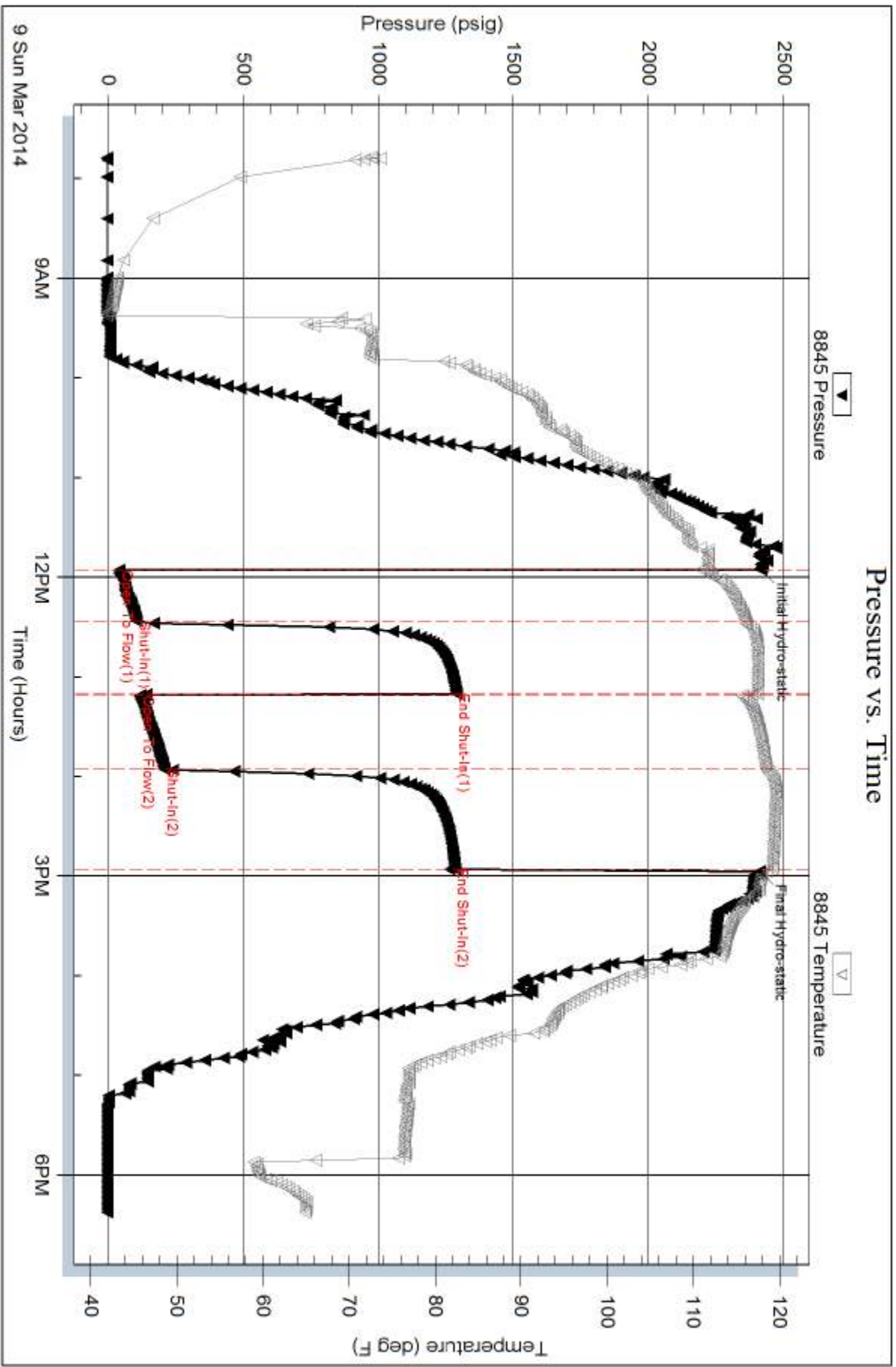
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .135@ 71=55000 ppm

Gravity=31@80=29

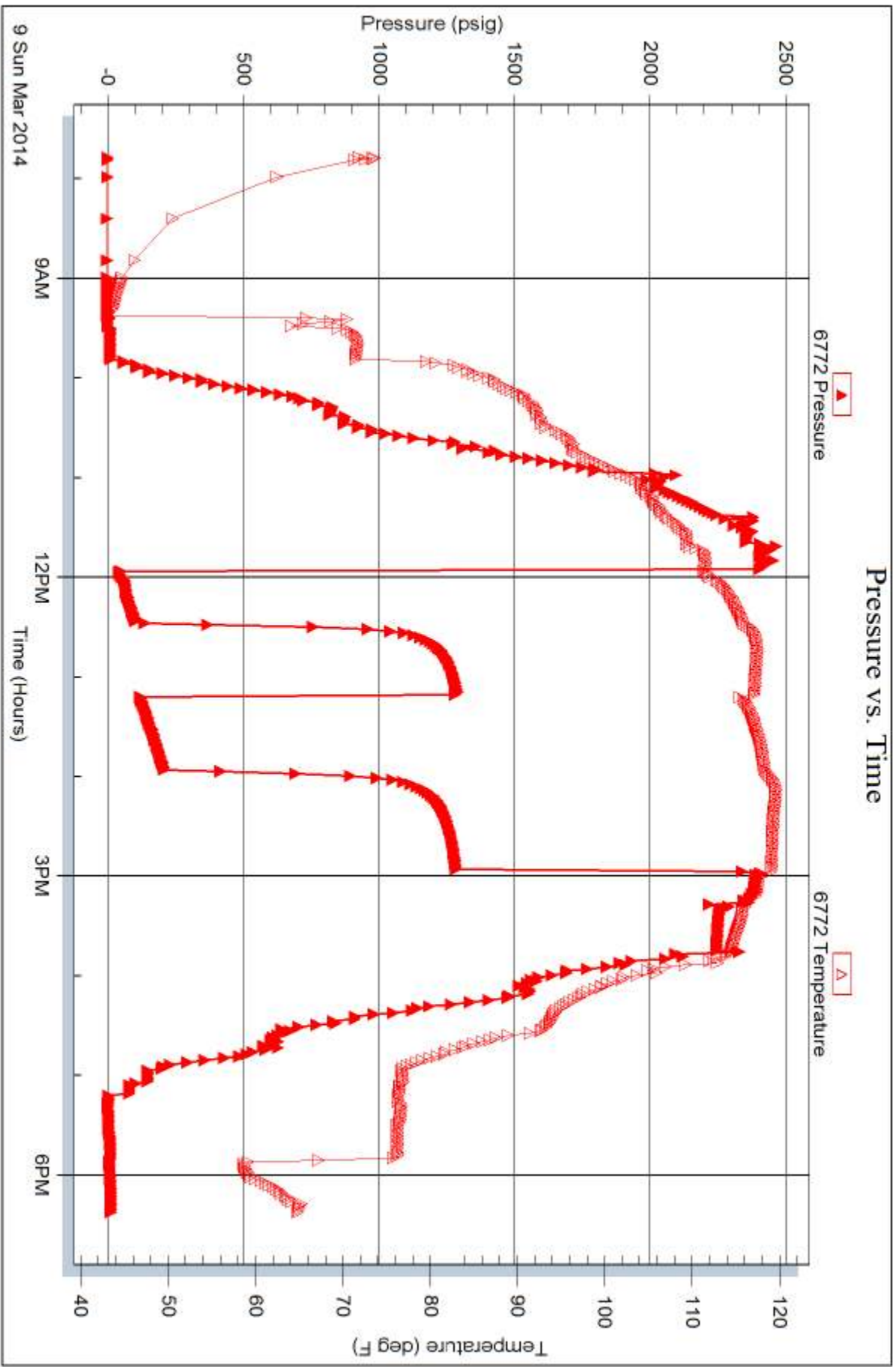


Serial #: 6772

Outside American Warrior Inc.

Congdon #7-28

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 55724

Printed: 2014.03.15 @ 11:31:13





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 55724

Well Name & No. Congdon # 7-28 Test No. 1 Date 3-9-14  
 Company American Warrior Inc. Elevation 2852 KB 2846 GL  
 Address 3118 Cummings RD - Garden City, KS 67846  
 Co. Rep / Geo. Kevin Timson Rig Duke # 10  
 Location: Sec. 28 Twp. 23-S Rge. 32-W Co. Finney State KS

Interval Tested 4770-4786 Zone Tested St. Louis  
 Anchor Length 16' Drill Pipe Run 4736' Mud Wt. 9.6  
 Top Packer Depth 4766 Drill Collars Run 31' Vis 43  
 Bottom Packer Depth 4770 Wt. Pipe Run Ø WL 6.4  
 Total Depth 4786 Chlorides 2000 ppm System LCM #1

Blow Description IF: B.o.b. in 2 1/2 min.  
ISI: Bled off in 4 min. - Surface blowback - Built to B.o.b. in 10 min.  
FF: B.o.b. Immediately  
FSE: Bled off in 4 min. - Surface blowback - Built to B.o.b. in 15 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>31</u>	<u>W &amp; OCM &amp; G</u>	<u>30</u>	<u>20</u>	<u>20</u>	<u>30</u>
<u>63</u>	<u>C&amp;O</u>	<u>10</u>	<u>90</u>		
<u>441</u>	<u>C&amp;O</u>	<u>50</u>	<u>50</u>		
	<u>GIP 1070</u>				

Rec Total 535 BHT 119 Gravity 29 API RW .135 @ 71 °F Chlorides 55000 ppm

(A) Initial Hydrostatic 2415  Test 1250 T-On Location 05:30  
 (B) First Initial Flow 43  Jars 250 T-Started ~~06:00~~ 07:47  
 (C) First Final Flow 107  Safety Joint 75 T-Open 11:55  
 (D) Initial Shut-In 1290  Circ Sub NIC T-Pulled 14:55  
 (E) Second Initial Flow 120  Hourly Standby 1hr Hddy 100 T-Out 18:23  
 (F) Second Final Flow 209  Mileage 74-RT 114.70 Comments \_\_\_\_\_  
 (G) Final Shut-In 1285  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2410  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 45  
 Final Shut-In 60  
 Sub Total 1789.70  
 Total 1789.70  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]  
 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.

# **Geological Report**

American Warrior, Inc.

## **Congdon #7-28**

694' FSL & 1683' FWL

Sec. 28, T23s, R32w

Finney County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Congdon #7-28  
694' FSL & 1683' FWL  
Sec. 28, T23s, R32w  
Finney County, Kansas  
API # 15-055-22258-00-00

Drilling Contractor: Duke Drilling Co. Rig #10

Geologist: Kevin Timson

Spud Date: February 27, 2014

Completion Date: March 11, 2014

Elevation 2841' G.L.  
2852' K.B.

Directions: From Garden City, KS, at the intersection of Mary St. and Jennie Barker St. Go North on Jennie Barker 2 miles to Rodkey Rd. Go West  $\frac{3}{4}$  mile on Rodkey and North into location.

Casing: 1734' 8 5/8" #24 Surface Casing  
4853' 5 1/2" #15.5 Production Casing

Samples: 4400' to RTD 10' Wet & Dry

Drilling Time: 3800' to RTD

Electric Logs: Pioneer Energy Services "D. Kerr"  
Full Sweep

Drillstem Tests: One-Trilobite Testing "Corndog"

Problems: None

## Formation Tops

Congdon #7-28

Sec. 28, T23s, R32w

694' FSL & 1683' FWL

Anhydrite	1867' +985
Base	1952' +900
Heebner	3833' -981
Lansing	3877' -1025
Stark	4236' -1384
Bkc	4371' -1519
Marmaton	4398' -1546
Pawnee	4478' -1626
Fort Scott	4503' -1651
Cherokee	4519' -1667
Morrow	4686' -1834
Miss	4694' -1842
RTD	4875' -2023
LTD	4875' -2023

## Sample Zone Descriptions

**St. Louis** (4694', -1842): Covered in DST #1

Ls. Tan. Sub crystalline. Fair to good oomoldic and oolycastic porosity. Good stain and good saturation in porosity. Show of free oil when broken. Fair odor. 65 Unit kick.

## Drill Stem Tests

Trilobite Testing

“Sam Esparza”

### DST #1

### St. Louis

Interval (4770' - 4786') Anchor Length 16'

IHP	-2415 #	
IFP	- 30" – BOB in 2 ½ min	43-107 #
ISI	- 45" – BOB in 10 min	1290 #
FFP	- 45" – BOB immediately	120-209 #
FSIP	- 60" – BOB in 15 min	1285 #
FHP	- 2410 #	
BHT	- 119° F	

Recovery:    441' CGO (50% Oil)                      Gravity: 29  
                   63' CGO (90% Oil)  
                   31' W&OCM (20% Oil, 20% Water)

## Structural Comparison

	American Warrior, Inc. Congdon #7-28 Sec. 28, T23s, R32w 694' FSL & 1683' FWL		American Warrior, Inc. Congdon #6-28 Sec. 28, T23s, R32w 942' FSL & 1745' FEL		Amoco Production Co. O.G. Congdon #2 Sec 28, T23s, R32w C NE SW
Heebner	3833' -981	+11	3845' -992	-3	3842' -978
Lansing	3877' -1025	+11	3889' -1036	-3	3886' -1022
Stark	4236' -1384	+15	4252' -1399	+2	4250' -1386
BKC	4371' -1519	+28	4400' -1547	+3	4386' -1522
Marmaton	4398' -1546	+28	4427' -1574	+6	4416' -1552
Pawnee	4478' -1626	FL	4479' -1626	-3	4487' -1623
Fort Scott	4503' -1651	+9	4513' -1660	-3	4512' -1648
Cherokee	4519' -1667	+6	4526' -1673	-3	4528' -1664
Morrow	4686' -1834	+6	4693' -1840	-4	4694' -1830
St. Louis	4694' -1842	+17	4712' -1859	+5	4711' -1847

## **Summary**

The location for the Congdon #7-28 well was found via 3-D seismic survey. The new well ran structurally as expected. One drill stem test was conducted which recovered commercial quantities of oil from the St. Louis Limestone. After all the gathered data had been examined, the decision was made to run 5 ½" production casing to further evaluate the Congdon #7-28 well.

## **Perforations**

### **Primary:**

**St. Louis**                      **(4771' – 4776')**

Respectfully Submitted,

Kevin Timson  
American Warrior, Inc.