

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	CHARVAT 1-25
Doc ID	1314593

Tops

Name	Top	Datum
Topeka	2575	-792
Heebner	2830	-1047
Toronto	2848	-1065
Douglas	2862	-1079
Lansing	2939	-1156
BKC	3206	-1423
Cong	3260	-1477
Arbuckle	3295	-1512

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	CHARVAT 1-25
Doc ID	1314593

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	3295-3298	500 gals 20% MCA	3295-3298



TICKET 29553

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

PAGE 1 OF

SERVICE LOCATION: Ness City, KS WELL PROJECT NO.: CHARVAT 1-25 LEASE: CHARVAT 1-25 COUNTY: RUSSELL STATE: KS CITY: WILSON, KS DATE: 18 Jan 16 OWNER:
 1. Ness City, KS CONTRACTOR: DISCOVERY DRILLING & B3 RIG NAME NO.: 8/5/8 SHIPPED VIA: DELIVERED TO ORDER NO.:
 2. TICKET TYPE: DISCOVERY DRILLING & B3 WELL TYPE: OIL WELL CATEGORY: DEVELOPMENT JOB PURPOSE: Cement 8 5/8 WELL PERMIT NO.:
 3. WELL TYPE: OIL WELL PERMIT NO.:
 4. REFERRAL LOCATION: INVOICE INSTRUCTIONS WELL LOCATION: 7 5/8" 20" 5 STATE

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
5765					MILEAGE #115	1208	50	800	50	800	50	300
5765					Pump CHARGE	1208	50	420	50	420	50	120
279					GEL	55x	25	40	25	40	25	125
278					CALCIUM HALDRIDE	34x	42	42	42	42	42	126
290					D-AIR	275	5x	12	25	336	25	75
325					STANDARD CEMENT	275	5x	150	412	50	412	50
581					CEMENT SERVICE CHARGE	2195	2195	808	57m	75	406	50
583					DRAINAGE							

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: 18 Jan 16 TIME SIGNED: 2:00 A.M. P.M.

DATE SIGNED: 18 Jan 16 TIME SIGNED: 2:00 A.M. P.M.

SWIFT OPERATOR: [Signature] APPROVAL: [Signature]

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

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

SURVEY: OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS PERFORMED WITHOUT DELAY? WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? ARE YOU SATISFIED WITH OUR SERVICE? YES NO

PAGE TOTAL: 6218 TOTAL: 6567.11

TAX: 8.5% TOTAL: 348.48

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 18 Jun 16 PAGE NO.

CUSTOMER AMERICAN WARRIOR WELL NO. LEASE CHARVAT 1-25 JOB TYPE CEMENT 8 5/8 TICKET NO. 29553

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1815							ON LOCATION 8 5/8 - 28# RTD @ 4/89 SET @ 488
	2013							CIRCULATE.
	2022	4	67		✓			MIX 275sx STD - 2% GEL - 8% CC.
		3 1/2	29 1/2		✓			DISPLACE CEMENT
	2045				✓		250	SHUT WELL IN
	2048							WASH TRUCK
	2115							JOB COMPLETE
								THANKS #115
								JASON DAUER PRESTON



TICKET 29403

CHARGE TO: American Merrius Inc
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

PAGE 1 OF 2

SERVICE LOCATIONS: 1. Hays, KS WELLPROJECT NO. #1-25 LEASE Charvat COUNTY/PARISH Russell STATE KS CITY _____ DATE 06/23/16 OWNER _____
 2. Ness C. Hy, KS TICKET TYPE DISCOVERY DRILLING CONTRACTOR Discovery Drilling RIG NAME/NO. #3 SHIPPED VIA _____ DELIVERED TO Location ORDER NO. _____
 3. _____ WELL TYPE D/I WELL CATEGORY Development JOB PURPOSE Cement Long String WELL PERMIT NO. _____ WELL LOCATION _____
 4. _____ REFERRAL LOCATION _____ INVOICE INSTRUCTIONS _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE #	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575		1			MILEAGE #111	600	mi				5.00	300.00
578		1			Pump Charge	1	EA				1250.00	1250.00
290		1			D-ATR	5	gal				42.00	210.00
281		1			Mud Flush	500	gal				1.25	625.00
221		1			KCL	2	gal				25.00	50.00
407		1			5 1/2" Flat Shoe	1	EA				300.00	300.00
402		1			5 1/2" Centralizer	6	EA				60.00	360.00
403		1			Cement Basket 5 1/2"	1	EA				250.00	250.00
404		1			Latch Down Plug Basket 5 1/2"	1	EA				225.00	225.00
419		1			Rotating Head Rental 5 1/2"	1	EA				200.00	200.00

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 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS
 DATE SIGNED 6/23/16 TIME SIGNED _____
 A.M. P.M.
 SWIFT OPERATOR [Signature] APPROVAL _____

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.
 REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY: OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS PERFORMED WITHOUT DELAY? WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? ARE YOU SATISFIED WITH OUR SERVICE? CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 3770.00
 Page 2
 Russell Co. TAX 8.5%
 TOTAL 81077.37

Thank You!



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

TICKET CONTINUATION

TICKET No. 29403

CUSTOMER A. W. I.

WELL Charvat #1-25

DATE 6/23/14

PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		TIME	DESCRIPTION	WELL		UNIT PRICE	AMOUNT
		LOC	ACCT			QTY	U/M		
581		2			Service Charge Cement	175	SKS	1.50	262.50
583		2			Drayage	658	TM	0.75	493.50
325		2			Standard EA-2	175 85	SKS	12.25	2143.75
284		2			Calseal	8	SKS	30.00	240.00
283		2			Salt	947	lbs	0.20	189.40
292		2			Halad-322	123	lbs	8.00	984.00
274		2			Fibrelc	44	lbs	2.25	99.00
					Service Charge				
					MILEAGE CHARGE				
					TOTAL WEIGHT				
					LOADED MILES				
					CUBIC FEET				
					TON MILES				

CONTINUATION TOTAL

4412.15

JOB LOG

SWIFT Services, Inc.

DATE 6/24/14 PAGE NO. 2

CUSTOMER A.W.I. WELL NO. 1-25 LEASE Charvat JOB TYPE Long String TICKET NO. 29403

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2100							On Loc. w/ Float Equipment 175 SKS EA2
	2155							Start Running Casing Float shoe on, Baffle in 1st Jt. Centralizers on #s 1, 3, 5, 7, 9, 11 Basket on # 10
	2330							Break Circulation on Bottom
	1200	3	87					Plug R. H. 30 SKS
	1205	3	4					Plug M. H. 15 SKS
	1219	6	32					Pump Flushes
	1220	6	27					Start Cement
	1225	6	81.5					Start Disp.
	1240	5					700	Land Plug Lift 700 psi Land 1300 psi
	1245							Release Pressure, Dry Rack up truck
	1255							Job Complete Thanks Jon, David, Isaac



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

Charvat #1-25

25-15s-11w Russel,KS

Start Date: 2016.06.22 @ 23:07:00

End Date: 2016.06.23 @ 04:19:00

Job Ticket #: 65096 DST #: 1

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

Printed: 2016.06.24 @ 11:18:31



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc
PO Box 399
Garden City, KS 67846
ATTN: Jason Alm

25-15s-11w Russel,KS

Charvat #1-25

Job Ticket: 65096

DST#: 1

Test Start: 2016.06.22 @ 23:07:00

GENERAL INFORMATION:

Formation: **Conglomerate Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:47:00

Time Test Ended: 04:19:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72

Interval: 3242.00 ft (KB) To 3280.00 ft (KB) (TVD)

Reference Elevations: 1783.00 ft (KB)

Total Depth: 3280.00 ft (KB) (TVD)

1775.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8960 Outside

Press@RunDepth: 37.60 psig @ 3277.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.06.22

End Date:

2016.06.23

Last Calib.:

2016.06.23

Start Time: 23:07:05

End Time:

04:18:59

Time On Btm:

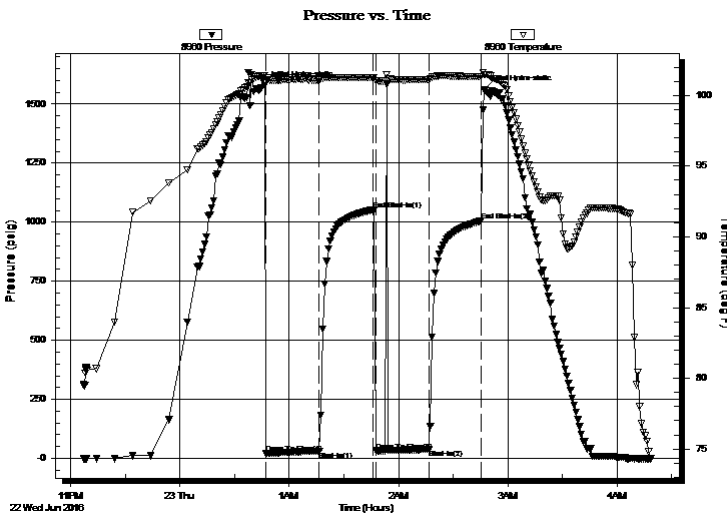
2016.06.23 @ 00:46:30

Time Off Btm:

2016.06.23 @ 02:47:00

TEST COMMENT: I.F. 30 Weak blow built to 2"
I.S.I. 30 No blow back
F.F. 30 No blow / flush tool / weak blow built to 1"
F.S.I. 30 No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1579.67	101.41	Initial Hydro-static
1	19.98	100.92	Open To Flow (1)
30	30.27	101.08	Shut-In(1)
60	1052.09	101.25	End Shut-In(1)
61	31.76	101.02	Open To Flow (2)
90	37.60	101.12	Shut-In(2)
119	1005.14	101.32	End Shut-In(2)
121	1560.54	101.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Oily Mud /20% oil 80% mud	0.15
30.00	Mud cut oil/ Mud 5% oil 95%	0.42

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc
PO Box 399
Garden City, KS 67846
ATTN: Jason Alm

25-15s-11w Russel,KS

Charvat #1-25

Job Ticket: 65096

DST#: 1

Test Start: 2016.06.22 @ 23:07:00

GENERAL INFORMATION:

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Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72

Interval: 3242.00 ft (KB) To 3280.00 ft (KB) (TVD)

Reference Elevations: 1783.00 ft (KB)

Total Depth: 3280.00 ft (KB) (TVD)

1775.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6741

Inside

Press@RunDepth: 995.34 psig @ 3276.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.06.22

End Date:

2016.06.23

Last Calib.:

2016.06.23

Start Time: 23:07:05

End Time:

04:18:59

Time On Btm:

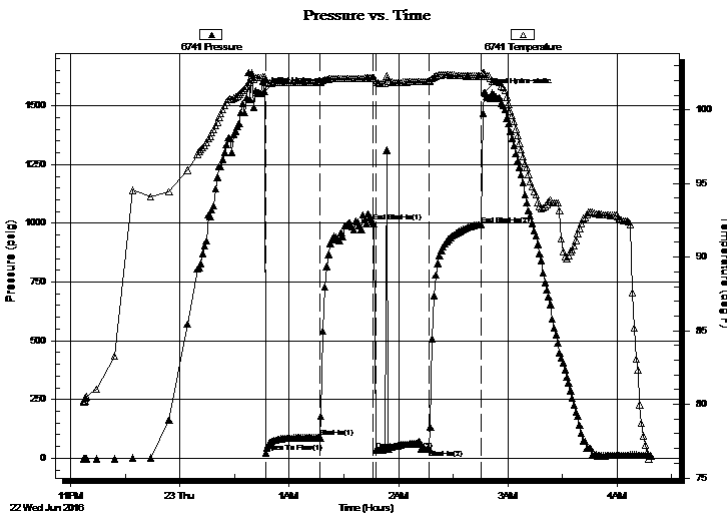
2016.06.23 @ 00:46:30

Time Off Btm:

2016.06.23 @ 02:47:00

TEST COMMENT: I.F. 30 Weak blow built to 2"
I.S.I. 30 No blow back
F.F. 30 No blow / flush tool / weak blow built to 1"
F.S.I. 30 No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1562.55	102.26	Initial Hydro-static
1	23.26	101.83	Open To Flow (1)
31	87.45	101.85	Shut-In(1)
60	1005.77	102.16	End Shut-In(1)
61	33.79	101.88	Open To Flow (2)
91	38.52	101.93	Shut-In(2)
119	995.34	102.28	End Shut-In(2)
121	1557.91	102.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Oily Mud /20% oil 80% mud	0.15
30.00	Mud cut oil/ Mud 5% oil 95%	0.42

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc
PO Box 399
Garden City, KS 67846
ATTN: Jason Alm

25-15s-11w Russel,KS
Charvat #1-25
Job Ticket: 65096
Test Start: 2016.06.22 @ 23:07:00

DST#: 1

Tool Information

Drill Pipe:	Length: 3203.00 ft	Diameter: 3.80 inches	Volume: 44.93 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 45.08 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3242.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	65.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3220.00	
Hydraulic tool	5.00			3225.00	
Jars	5.00			3230.00	
Safety Joint	2.00			3232.00	
Top Packer	5.00			3237.00	
Packer	5.00			3242.00	27.00 Bottom Of Top Packer
Anchor	33.00			3275.00	
Recorder	1.00	6741	Inside	3276.00	
Recorder	1.00	8960	Outside	3277.00	
Bullnose	3.00			3280.00	38.00 Anchor Tool
Total Tool Length:	65.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
PO Box 399
Garden City, KS 67846
ATTN: Jason Alm

25-15s-11w Russel,KS
Charvat #1-25
Job Ticket: 65096 **DST#: 1**
Test Start: 2016.06.22 @ 23:07:00

Mud and Cushion Information

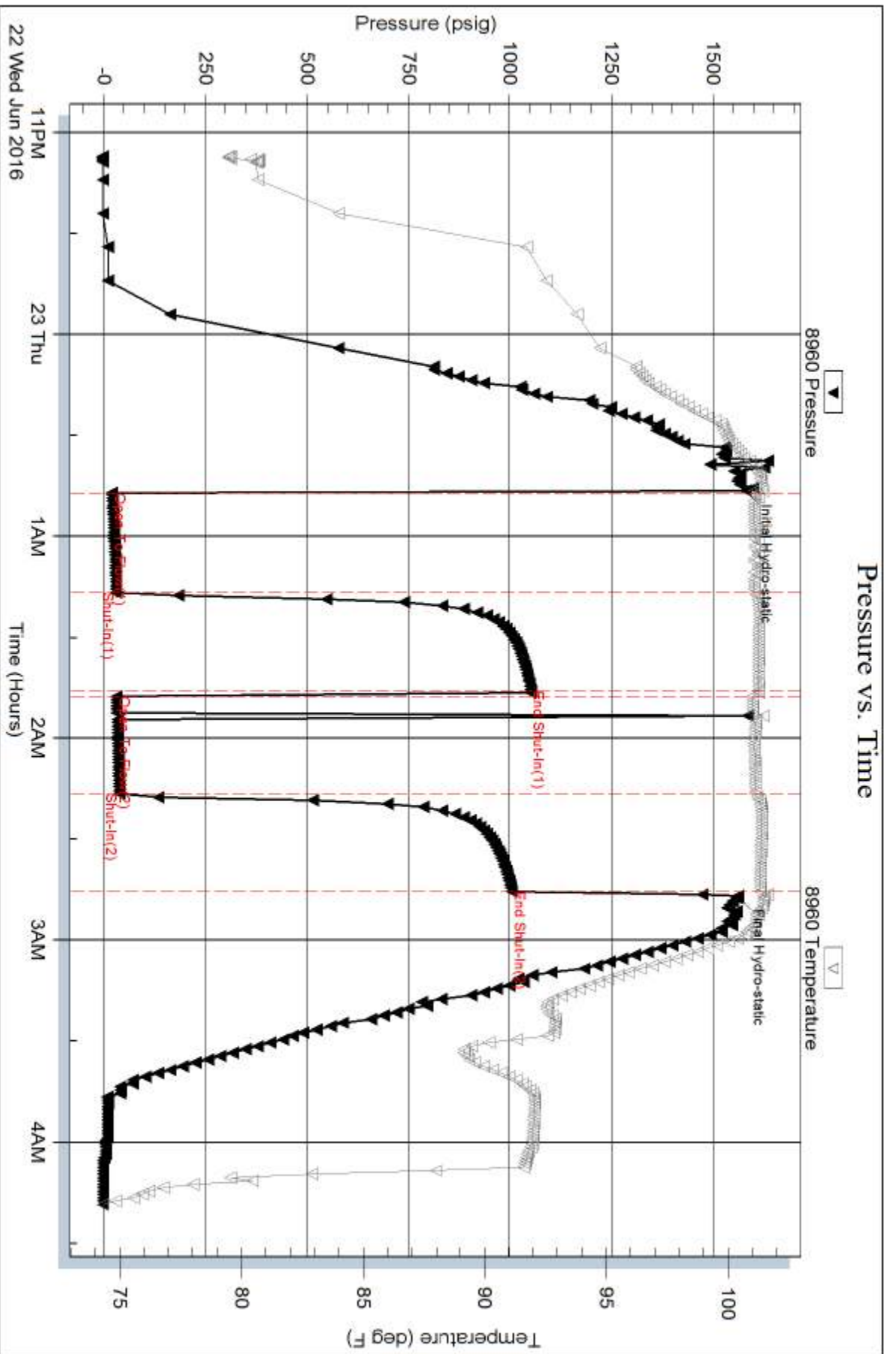
Mud Type: Gel Chem	Cushion Type:	Oil API: 37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.59 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: 1.00 inches		

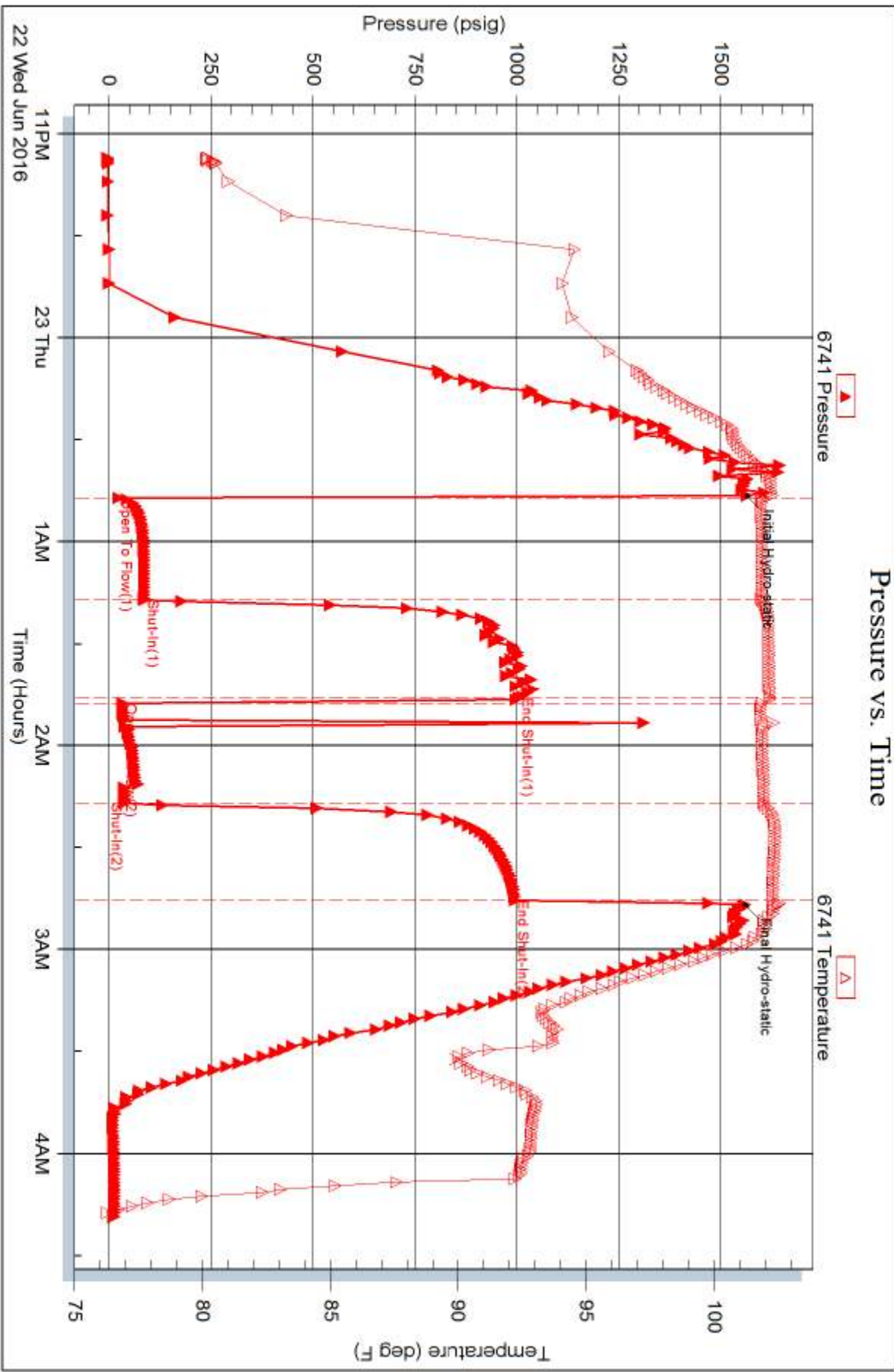
Recovery Information

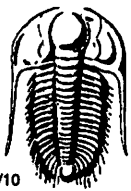
Recovery Table

Length ft	Description	Volume bbl
30.00	Oily Mud /20% oil 80% mud	0.148
30.00	Mud cut oil/ Mud 5% oil 95%	0.421

Total Length: 60.00 ft Total Volume: 0.569 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65096

Well Name & No. Charvat #1-25 Test No. 1 Date 22 June 66
 Company American Warrior Inc Elevation 1783 KB 1775 GL
 Address PO Box 399 3118 Cummings Rd Garden City, KS 67846
 Co. Rep / Geo. Jason Alm Rig Discovery Rig #3
 Location: Sec. 25 Twp. 15S Rge. 11W Co. Russel State KS

Interval Tested 3242-3280 Zone Tested Conglomerate Sand
 Anchor Length 38 Drill Pipe Run 3203 Mud Wt. 9.15
 Top Packer Depth 3237 Drill Collars Run 30 Vis 48
 Bottom Packer Depth 3242 Wt. Pipe Run — WL 9.6
 Total Depth 3280 Chlorides 4,000 ppm System LCM Trace

Blow Description Initial flow weak blow built to 2 inches
Initial shut in no blow back
Final flow no blow flush tool blow built to 1 inch
Final shut in no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>0.14 Mud</u>		<u>20</u>		<u>80</u>
<u>30</u>	<u>Mud cut oil</u>		<u>95</u>		<u>5</u>

Rec Total 60 BHT 102 Gravity 37 API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 1579 Test 1050 T-On Location 9:45 pm
 (B) First Initial Flow 19 Jars 250 T-Started 11:08 pm
 (C) First Final Flow 30 Safety Joint 75 T-Open 12:47 am
 (D) Initial Shut-In 1052 Circ Sub _____ T-Pulled 2:47 am
 (E) Second Initial Flow 31 Hourly Standby _____ T-Out 4:20 am
 (F) Second Final Flow 37 Mileage 66 99 Comments _____
 (G) Final Shut-In 1005 Sampler _____ loaded tools 6/23 16:30
 (H) Final Hydrostatic 1560 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Sub Total 0
 Total 1474
 MP/DST Disc't _____
 Sub Total 1474

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

Charvat #1-25
480' FNL & 1636' FEL
Sec. 25 T15s R11w
Russell County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Charvat #1-25
480' FNL & 1636' FEL
Sec. 25 T15s R11w
Russell County, Kansas
API # 15-167-24047-0000

Drilling Contractor: Discovery Drilling Co. Inc. Rig #3

Geologist: Jason T Alm

Spud Date: June 18, 2016

Completion Date: June 23, 2016

Elevation: 1775' Ground Level
1783' Kelly Bushing

Directions: Wilson KS, South on Hwy 232 7 miles to Stickney Rd, ¼ mile West, South into location.

Casing: 489' 8 5/8" surface casing
3384' 5 1/2" production casing

Samples: 10' wet and dry, 2550' to RTD

Drilling Time: 2500' to RTD

Electric Logs: Pioneer Energy Services "Jared Long"
CNL/CDL, DIL, MEL

Drillstem Tests: One, Trilobite Testing, Inc. "Ken Swinney"

Problems: None

Remarks: None

Formation Tops

Formation	American Warrior, Inc. Charvat #1-25 Sec. 25 T15s R11w 480' FNL & 1636' FEL
Anhydrite	625', +1158
Base	652', +1131
Topeka	2575', -792
Heebner	2830', -1047
Toronto	2848', -1065
Douglas	2862', -1079
Brown Lime	2924', -1141
Lansing	2939', -1156
BKC	3206', -1423
Conglomerate Sand	3260', -1477
Arbuckle	3295', -1512
LTD	3385', -1602
RTD	3385', -1602

Sample Zone Descriptions

- Conglomerate Sand (3260', -1477):** **Covered in DST #1**
 Ss – Quartz, clear, fine grained, sub-rounded, well sorted, fairly cemented in part with fair to good inter-granular porosity, light to fair brown oil stain in cluster, slight show of free oil when broken, no odor, fair yellow fluorescents, good cut, 35 units hotwire.
- Arbuckle (3295', -1512):** **Not Tested**
 Dolo – Fine to medium rhombic crystalline, oolitic with good inter-crystalline and oomoldic porosity, light spotted oil stain, slight show of free oil when broken, good odor, dull to fair yellow fluorescents.

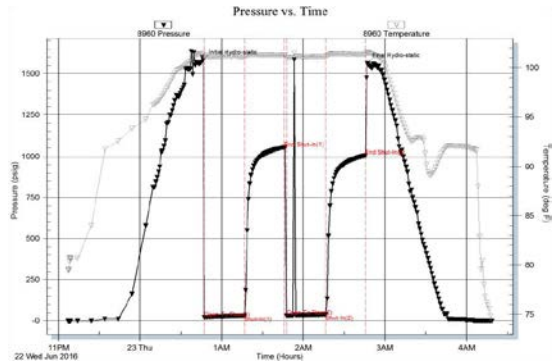
Drill Stem Tests

Trilobite Testing, Inc.
"Ken Swinney"

DST #1 Conglomerate Sand

Interval (3242' – 3280') Anchor Length 38'

IHP	– 1580 #	
IFP	– 30" – Built to 2 in.	19-30 #
ISI	– 30" – Dead	1052 #
FFP	– 30" – Built to 1 in.	31-38 #
FSI	– 30" – Dead	1005 #
FHP	– 1561 #	
BHT	– 101°F	



Recovery:	30' MCO	95% Oil
	30' OCM	20% Oil

Structural Comparison

	American Warrior, Inc. Charvat #1-25 Sec. 25 T15s R11w 480' FNL & 1636' FEL	Mai Oil Operations Charvat-Branda #1 Sec. 25 T15s R11w 170' FNL & 1930' FEL		Mai Oil Operations Charvat #2 Sec. 30 T15s R10w 2125' FNL & 1070' FWL
Formation				
Anhydrite	625', +1158	623', +1166	(-8)	600', +1153
Base	652', +1131	650', +1139	(-8)	629', +1124
Topeka	2575', -792	2574', -785	7	2542', -789
Heebner	2830', -1047	2832', -1043	(-4)	2796', -1043
Toronto	2848', -1065	2850', -1061	(-4)	2814', -1061
Douglas	2862', -1079	NA	NA	NA
Brown Lime	2924', -1141	2924', -1135	(-6)	2890', -1137
Lansing	2939', -1156	2939', -1150	(-6)	2905', -1152
BKC	3206', -1423	3206', -1417	(-6)	3177', -1424
Cong Sand	3260', -1477	3264', -1475	(-2)	NA
Arbuckle	3295', -1512	3294', -1505	(-7)	3251', -1498

Summary

The location for the Charvat #1-25 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One Drill Stem Test was conducted which recovered commercial amounts of oil from the Conglomerate Sand. After all gathered data had been examined the decision was made to run 5 ½ inch production casing to further evaluate the Charvat #1-25 well.

Recommended Perforations

Primary:

Arbuckle	(3295' – 3298')	Not Tested
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Secondary:

Conglomerate Sand	(3260' – 3264')	Not Tested
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Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.