



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1311920
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: _____

1311920

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
--	---

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: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Commingled <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Williams 12
Doc ID	1311920

Tops

Name	Top	Datum
Anhydrite	1475	783
Heebner	3722	-1464
Lansing	3772	-1514
Base Kansas City	4084	-1826
Pawnee	4192	-1934
Ft. Scott	4271	-2013
Cherokee	4294	-2036
Mississippian	4361	-2103
TD	4376	-2118

JOB LOG

SWIFT Services, Inc.

DATE 3-15-16 PAGE NO.

CUSTOMER American Warrick Inc WELL NO. # 12 LEASE Williams JOB TYPE 8 5/8" SURFACE TICKET NO. 28791

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1700							ON LOCATION
								TD- 228
								TP- 228
								SET- 228
								8 5/8" # 23-28
								15' CMT LEFT IN CASING
	1800							BREAK CIRCULATION
	1810	6	36.3		✓	200		MAX CEMENT - 150 SKS STANDARD 2% GEL, 3% CC
	1817	6	13 3/4		✓	250		DISPLACE CEMENT
	1820							SHUT IN WELL
								CIRCULATED 30 SKS CMT. TO PT
								WASH TRUCK
	1900							JOB COMPLETE
								THANK YOU WAVE, DAVE K., JOHN J.



Services, Inc.

CHARGE TO: American Warror Inc
ADDRESS
CITY, STATE, ZIP CODE

TICKET 28793

PAGE 1 OF 2

SERVICE LOCATION #1 Ness City, Ks	WELL/PROJECT NO. #12	LEASE WILLIAMS	COUNTRY/PARISH Ness	STATE Ks	CITY	DATE 3-21-16	OWNER SAME
	TICKET TYPE SALES	CONTRACTOR DESCOKEY DALL #3	RIG NAME/NO.	SHIPPED VIA CT	DELIVERED TO LOCATION	ORDER NO.	
	WELL TYPE OIL	WELL CATEGORY DEVELOPMENT	JOB PURPOSE 5 1/2" LONGSTRONG		WELL PERMIT NO.	WELL LOCATION Bazine, Ks - 65, 1/2 W, S.	
4. REFERRAL LOCATION INVOICE INSTRUCTIONS							

PRICE SEQUENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.			UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.		
575		1			MILEAGE #112	20	HR		5.00	100.00
578		1			PUMP GUAKE	1	DB	4375	14	1250.00
221		1			LEASD KEI	2	GL		25.00	50.00
281		1			RUBBERSH	500	GL		1.25	625.00
402		1			CONCRETE	5	SA	5 1/2"	60.00	300.00
403		1			CONCR BASKETS	2	SA		250.00	500.00
404		1			POB COVER	1	SA	1442	14	2500.00
406		1			LATCH DOWN PLUG - BATTIE	1	SA		225.00	225.00
407		1			TRUSSER FLOOR SHOE W/ AUTO TROL	1	SA		300.00	300.00
419		1			ROTARYS HEAD DISTAL	1	DB		200.00	200.00

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

DATE SIGNED 3-21-16 TIME SIGNED 1:00 P.M. A.M.

John Gaskin

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?	UN-DECIDED	DIS-AGREE	PAGE TOTAL #1	6050.00
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			#2	4314.75
	<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND							TOTAL	

SWIFT OPERATOR: *Wayne Johnson* APPROVAL: _____

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: _____

The customer hereby acknowledges receipt of the materials and services listed on this ticket.

Thank You!



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

TICKET CONTINUATION

TICKET No. 28793

CUSTOMER
American Wholesale Inc

VEN Williams #12

DATE 3-21-16

PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		U/M		UNIT PRICE	AMOUNT
		LOD	ACCT	DR			QTY	U/M	QTY	U/M		
325						STANDARD GENSER EA-2	175	SXS			12.25	2143.75
276						FLOCEL	50	lbs			2.25	112.50
283						SALT	900	lbs			.20	180.00
284						CASSAL	8	SXS	800	lbs	30.00	240.00
292						HAUD-322	125	lbs			8.00	1000.00
280						D-ADR	3	gal			42.00	126.00
581						SERVICE CHARGE					1.50	262.50
582						MILEAGE CHARGE					250.00	250.00
							TOTAL WEIGHT	18325				
							LOADED MILES	20				
							CUBIC FEET	175				
							TON MILES	18326				
CONTINUATION TOTAL												4314.75

JOB LOG

SWIFT Services, Inc.

DATE 3-21-16 PAGE NO. 1

CUSTOMER AMERICAN WARRIOR INC

WELL NO. # 12

LEASE WILLIAMS

JOB TYPE 5 1/2" LONGSTRING

TICKET NO. 28793

CHART NO.	TIME	RATE (BPM)	VOLUME (GAL/HR)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1600							ON LOCATION
	1630							START 5 1/2" CASING IN WELL
								TD - 4376' SET - 4375
								TP - 4380' 5 1/2" 15.5
								ST - 42'
								CENTRAIZERS - 1, 2, 3, 4, 73
								CMT BSPTS - 5, 74
								POB COLLAR - 1442' TOP JT = 74
	1811							DROP BALL - GRACUATE ROTATE
	1829		12		✓		300	PUMP 500 GAL MUD/FUSH
			20		✓		300	PUMP 20 BBS KCL - FUSH
	1835		7.5					PLUG RH (30 SLS) MH (20 SLS)
	1841		30		✓			MAX CEMENT - 125 SLS EA-2 @ 15.4 PPG
	1852							WASH OUT PUMP - LINES
								RELEASE CATCH DOWN PLUG
	1956		0		✓			DISPLACE PLUG
	1912		103.2				1500	PLUG DOWN - PSE UP CATCH IN PLUG
	1914						OK	RELEASE PSE - HELD
	1919							WASH TRUCK
								JOB COMPLETE
								THANK YOU WAYNE, JASON, DAVE K., PRESTON

JOB LOG

SWIFT Services, Inc.

DATE APR 16 PAGE NO.

CUSTOMER *PROVICM* WELL NO. *12* LEASE *W. Williams* JOB TYPE *Cement port collar* TICKET NO. *29117*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 175 sk SWD cement w/ 1/4" floccle 2 3/8" x 5 1/2" port collar - 1442'
	0900							on loc TRK 114
	0920		2			600	1000	test to 1000 psi - held
	0930							open port collar
		3 1/2	2			600		inj rate 3 1/2 bpm @ 600 psi
		3 1/2	4			400		mix SWD cement @ 11.2 ppg - fluid to surface -
		3 1/2	61			400		— cement to surface — <i>110 sk mixed 15 to pit</i>
		3 1/2	5			400		Displace with H ₂ O - 5 bbl close port collar
	0954					1100	1000	test to 1000 psi - held
	0958		20					RUN 4 joints reverse hole clean - 2 cement plugs -
	1008							wash truck Pull opening tool kick up
	1040							job complete Flunks Flint, Blaine & John

Geological Report

American Warrior, Inc.
Williams #12
1550' FNL & 1980' FWL
Sec. 36 T19s R22w
Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Williams #12
1550' FNL & 1980' FWL
Sec. 36 T19s R22w
Ness County, Kansas
API # 15-135-25904-0000

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

Geologist: Jason T Alm

Spud Date: March 14, 2016

Completion Date: March 21, 2016

Elevation: 2250' Ground Level
2258' Kelly Bushing

Directions: Bazine KS, 6 mi. South to 70 Rd, West 3/4 mi,
South into location.

Casing: 228' 8 5/8" surface casing
4375' 5 1/2" production casing

Samples: 10' wet and dry, 4000' to RTD

Drilling Time: 3700' to RTD

Electric Logs: None

Drillstem Tests: Two, Trilobite Testing, Inc. "Ray Schwager"

Problems: None

Remarks: None

Formation Tops

	American Warrior, Inc. Williams #12 Sec. 36 T19s R22w 1550' FNL & 1980' FWL
Formation	
Anhydrite	1475', +783
Base	1507', +751
Heebner	3722', -1464
Lansing	3772', -1514
BKC	4084', -1826
Pawnee	4192', -1934
Fort Scott	4271', -2013
Cherokee	4294', -2036
Mississippian	4361', -2103
RTD	4376', -2118

Sample Zone Descriptions

Mississippian Osage (4361 -2103): Covered in DST #1 & 2

Δ – Dolo – White, slightly triptolic, weathered in part with good scattered vuggy porosity, light to fair oil stain with light spotted saturation, good show of free oil, good odor, bright yellow fluorescents, 65-55 units hotwire.

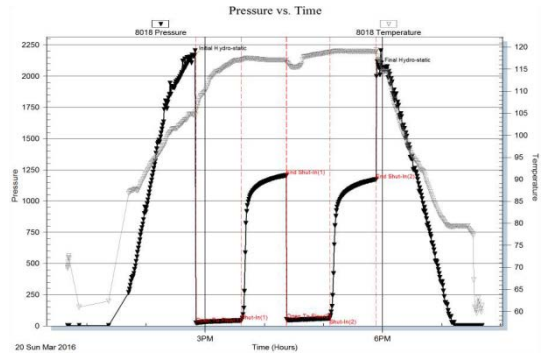
Drill Stem Tests

Trilobite Testing, Inc.
"Ray Schwager"

DST #1 Mississippian Osage

Interval (4363' – 4371') Anchor Length 8'
 IHP – 2159 #
 IFP – 45" – Built to 4 ¼ in. 23-44 #
 ISI – 45" – Dead 1207 #
 FFP – 45" – Built to 3 in. 53-61 #
 FSI – 45" – Dead
 FHP – 2063 #
 BHT – 119°F

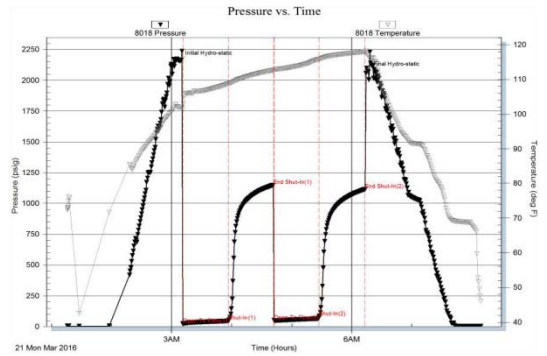
Recovery: 60' GIP
 60' Clean Oil
 40' O&GCWM 15% Oil, 30% Water



DST #2 Mississippian Osage

Interval (4368' – 4376') Anchor Length 8'
 IHP – 2155 #
 IFP – 45" – Built to 3 in. 22-47 #
 ISI – 45" – W.S.B. 1148 #
 FFP – 45" – Built to 3 in. 50-82 #
 FSI – 45" – Dead 1115 #
 FHP – 2066 #
 BHT – 117°F

Recovery: 70' GIP
 50' Clean Oil
 60' SO&GCWM 5% Oil, 35% Water



Structural Comparison

	American Warrior, Inc. Williams #12 Sec. 36 T19s R22w 1550' FNL & 1980' FWL	American Warrior, Inc. Williams #9 Sec. 36 T19s R22w 2100' FNL & 1720' FWL		Sinclair Oil & Gas Anna Williams #1 Sec. 36 T19s R22w C NE NW	
Formation					
Anhydrite	1475', +783	1468', +787	(-4)	1487', +773	(-10)
Base	1507', +751	NA	NA	NA	NA
Heebner	3722', -1464	3718', -1463	(-1)	3722', -1462	(-2)
Lansing	3772', -1514	3767', -1512	(-2)	3773', -1513	(-1)
BKC	4084', -1826	NA	NA	NA	NA
Pawnee	4192', -1934	4188', -1933	(-1)	NA	NA
Fort Scott	4271', -2013	4269', -2014	(+1)	4272', -2012	(-1)
Cherokee	4294', -2036	4290', -2035	(-1)	NA	NA
Mississippian	4361', -2103	4353', -2098	(-5)	4363', -2103	FL

Summary

The location for the Williams #12 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Two Drill Stem Tests were conducted, both of which recovered commercial amounts of oil from the Mississippian Osage Formation. After all gathered data had been examined the decision was made to run 5 ½ inch production casing to further evaluate the Williams #12 well.

Recommended Perforations

Mississippian Osage

(4361' – 4375')

DST #1 & 2

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.



DRILL STEM TEST REPORT

Prepared For: **American Warrior , Inc**

PO Box 399
Garden City, KS 67846

ATTN: Scott Corsair, Jason

Williams #12

36-19s-22w Ness,KS

Start Date: 2016.03.20 @ 12:40:10

End Date: 2016.03.20 @ 19:40:49

Job Ticket #: 64923 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.03.21 @ 11:50:11



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior, Inc

36-19s-22w Ness, KS

PO Box 399
Garden City, KS 67846

Williams #12

Job Ticket: 64923

DST#: 1

ATTN: Scott Corsair, Jason

Test Start: 2016.03.20 @ 12:40:10

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:50:35

Time Test Ended: 19:40:49

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 70

Interval: 4363.00 ft (KB) To 4371.00 ft (KB) (TVD)

Reference Elevations: 2258.00 ft (KB)

Total Depth: 4371.00 ft (KB) (TVD)

2250.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8018 Inside

Press@RunDepth: 60.64 psig @ 4364.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.03.20 End Date: 2016.03.20

Last Calib.: 2016.03.20

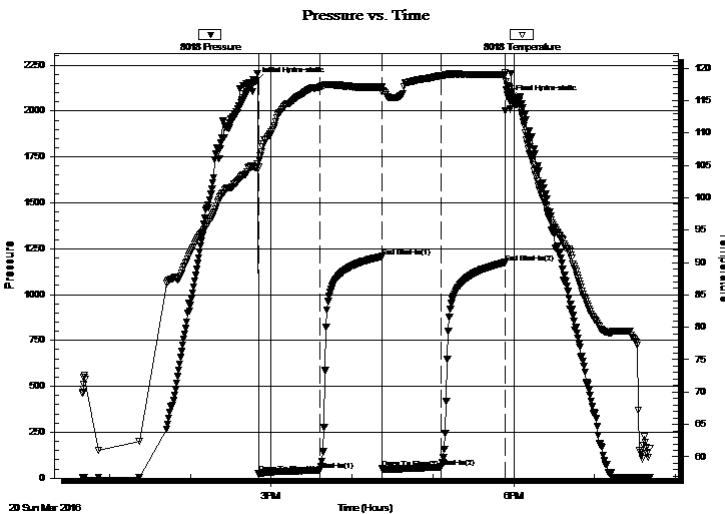
Start Time: 12:40:10 End Time: 19:40:49

Time On Btm: 2016.03.20 @ 14:48:20

Time Off Btm: 2016.03.20 @ 17:56:49

TEST COMMENT: 45-IFP-w k to a fr bl 1/4" to 4 1/4" bl
45-ISIP-no bl
45-FFP-w k bl thru-out 1/4" to 3" bl
45-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2158.51	104.62	Initial Hydro-static
3	23.96	104.69	Open To Flow (1)
48	44.23	117.08	Shut-In(1)
94	1207.20	117.08	End Shut-In(1)
94	53.29	116.42	Open To Flow (2)
138	60.64	118.86	Shut-In(2)
185	1174.30	119.00	End Shut-In(2)
189	2063.72	116.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	60' GIP	0.00
40.00	O&GCWM 5% G15% O30% W50% M	0.29
60.00	CO	0.84

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc

36-19s-22w Ness, KS

PO Box 399
Garden City, KS 67846

Williams #12

Job Ticket: 64923

DST#: 1

ATTN: Scott Corsair, Jason

Test Start: 2016.03.20 @ 12:40:10

Tool Information

Drill Pipe:	Length: 4312.00 ft	Diameter: 3.80 inches	Volume: 60.49 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 60.64 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4363.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	8.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 7.85 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4335.00	
Shut In Tool	5.00			4340.00	
Hydraulic tool	5.00			4345.00	
Jars	5.00			4350.00	
Safety Joint	3.00			4353.00	
Packer	5.00			4358.00	29.00 Bottom Of Top Packer
Packer	5.00			4363.00	
Stubb	1.00			4364.00	
Recorder	0.00	8018	Inside	4364.00	
Recorder	0.00	8700	Outside	4364.00	
Perforations	4.00			4368.00	
Bullnose	3.00			4371.00	8.00 Bottom Packers & Anchor

Total Tool Length: 37.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc

36-19s-22w Ness, KS

PO Box 399
Garden City, KS 67846

Williams #12

Job Ticket: 64923

DST#: 1

ATTN: Scott Corsair, Jason

Test Start: 2016.03.20 @ 12:40:10

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 51.00 sec/qt
Water Loss: 9.14 in³
Resistivity: ohm.m
Salinity: 7400.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 39 deg API
Water Salinity: 24000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	60' GIP	0.000
40.00	O&GCWM 5%G15%O30%W50%M	0.288
60.00	CO	0.842

Total Length: 100.00 ft Total Volume: 1.130 bbl

Num Fluid Samples: 0

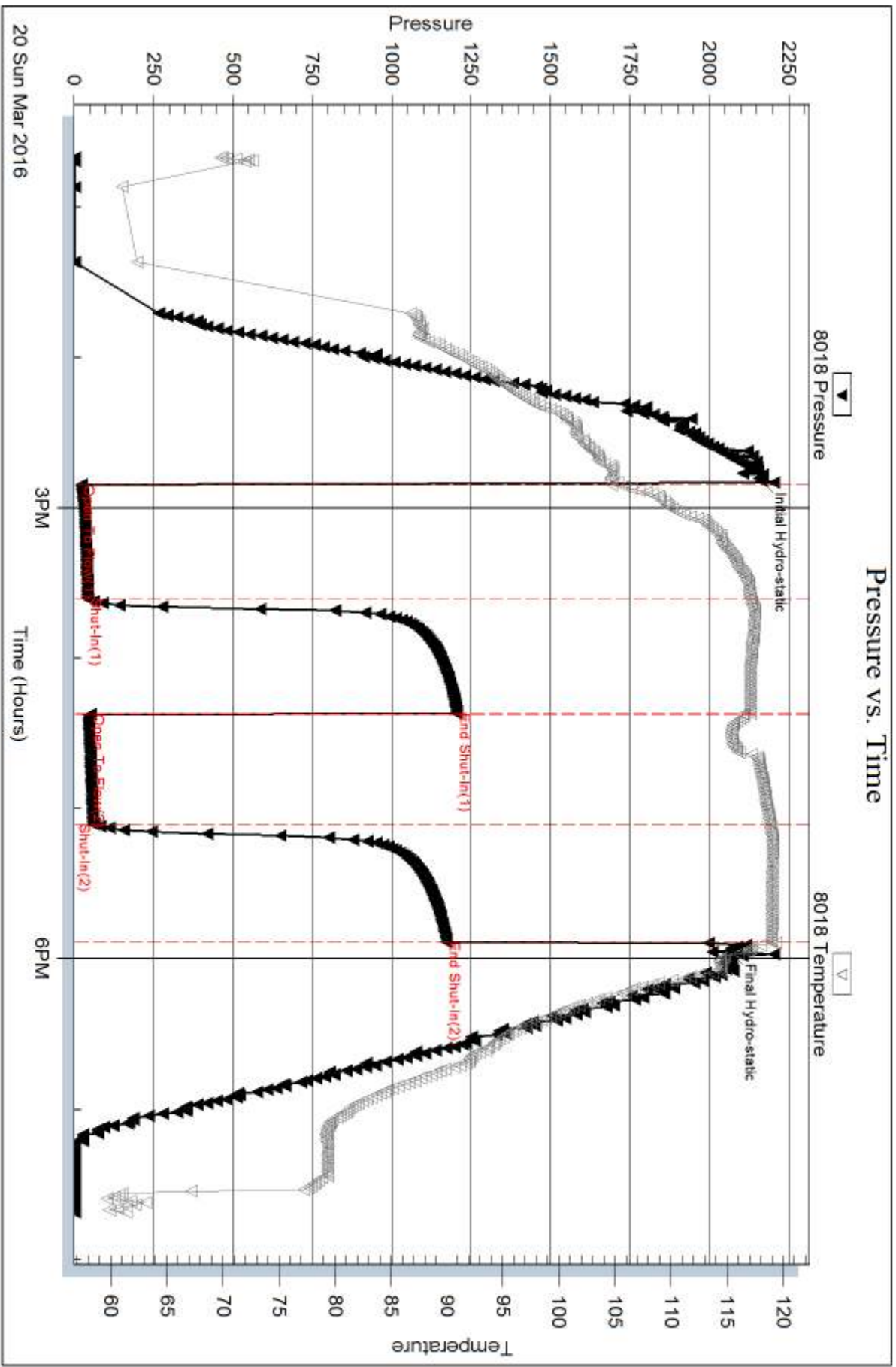
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .38@52F

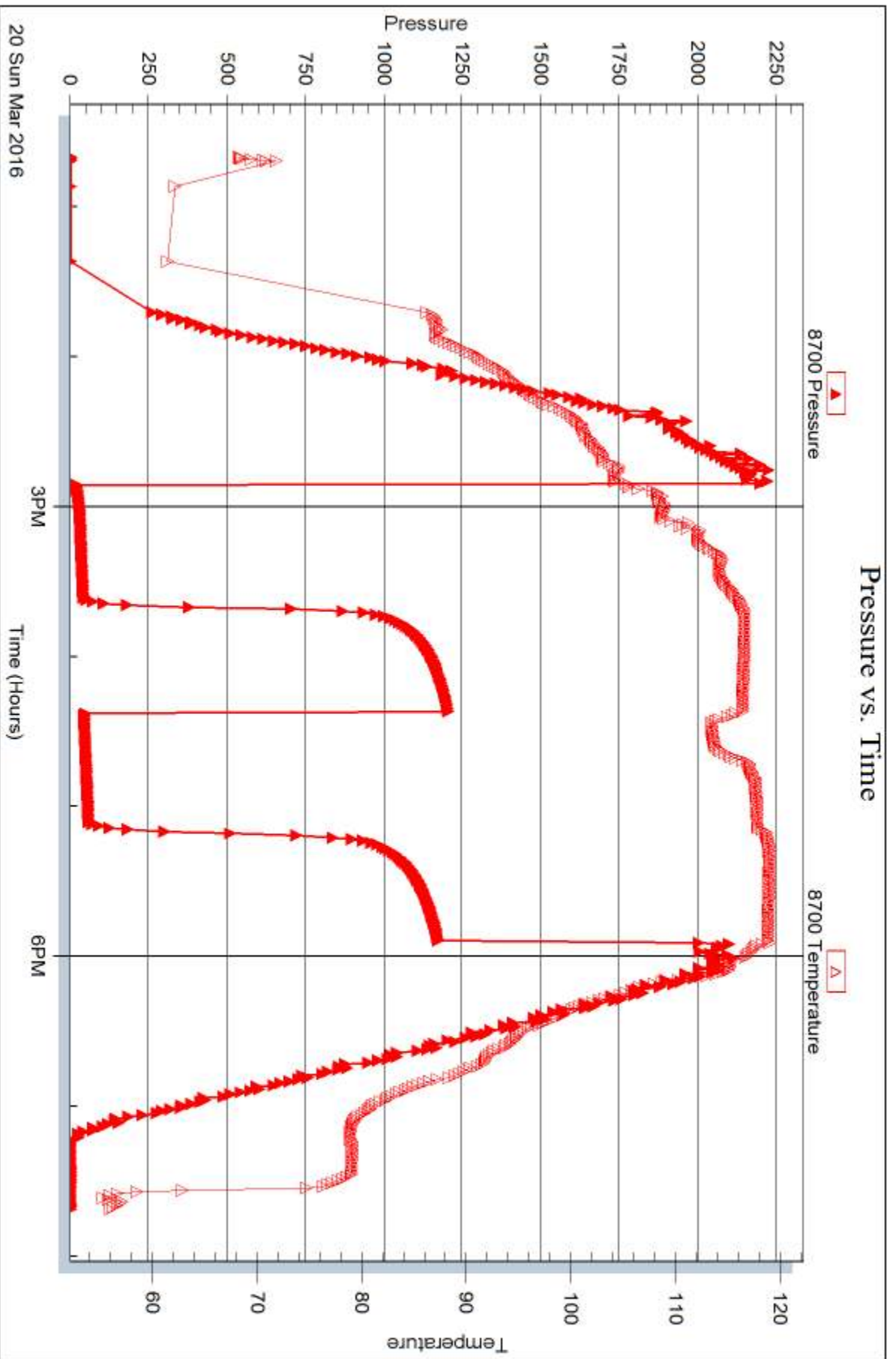


Serial #: 8700

Outside American Warrior, Inc

Williams #12

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 64923

Printed: 2016.03.21 @ 11:50:12



DRILL STEM TEST REPORT

Prepared For: **American Warrior , Inc**

PO Box 399
Garden City, KS 67846

ATTN: Scott Corsair, Jason

Williams #12

36-19s-22w Ness,KS

Start Date: 2016.03.21 @ 01:15:38

End Date: 2016.03.21 @ 08:09:02

Job Ticket #: 64924 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.03.21 @ 11:49:45



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc

36-19s-22w Ness, KS

PO Box 399
Garden City, KS 67846

Williams #12

Job Ticket: 64924

DST#: 2

ATTN: Scott Corsair, Jason

Test Start: 2016.03.21 @ 01:15:38

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:11:03

Time Test Ended: 08:09:02

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 70

Interval: 4368.00 ft (KB) To 4376.00 ft (KB) (TVD)

Reference Elevations: 2258.00 ft (KB)

Total Depth: 4376.00 ft (KB) (TVD)

2250.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8018 Inside

Press@RunDepth: 81.86 psig @ 4369.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.03.21

End Date:

2016.03.21

Last Calib.:

2016.03.21

Start Time: 01:15:38

End Time:

08:09:02

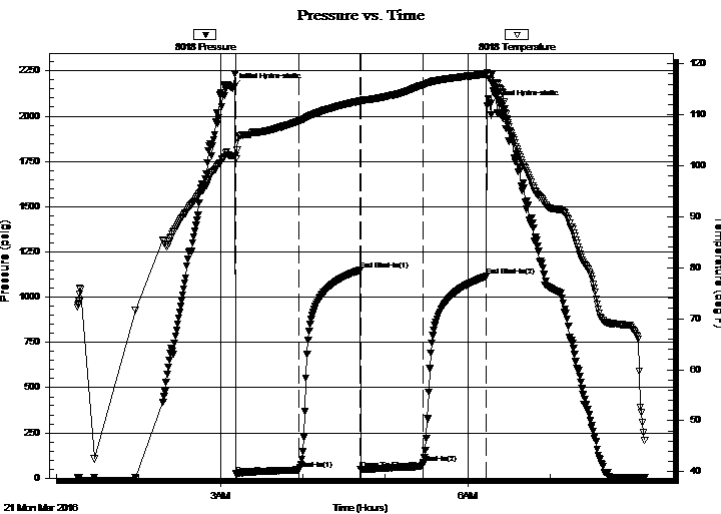
Time On Btm:

2016.03.21 @ 03:08:33

Time Off Btm:

2016.03.21 @ 06:16:32

TEST COMMENT: 45-IFP-w k bl thru-out 1/4" to 3" bl
45-ISIP-no bl 1st 20 min, then had surface bl bk
45-FFP-w k bl thru-out 1/2" to 3" bl
45-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2155.44	101.97	Initial Hydro-static
3	22.91	101.34	Open To Flow (1)
49	46.70	108.75	Shut-In(1)
93	1148.37	112.67	End Shut-In(1)
94	50.62	112.42	Open To Flow (2)
139	81.86	115.82	Shut-In(2)
185	1114.91	117.93	End Shut-In(2)
188	2066.39	116.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	70' GIP	0.00
60.00	SO&GCWM 10%G5%O35%W50%M	0.57
50.00	CO	0.70

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc

36-19s-22w Ness, KS

PO Box 399
Garden City, KS 67846

Williams #12

Job Ticket: 64924

DST#: 2

ATTN: Scott Corsair, Jason

Test Start: 2016.03.21 @ 01:15:38

Tool Information

Drill Pipe:	Length: 4313.00 ft	Diameter: 3.80 inches	Volume: 60.50 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 60.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4368.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	8.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 7.85 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4340.00	
Shut In Tool	5.00			4345.00	
Hydraulic tool	5.00			4350.00	
Jars	5.00			4355.00	
Safety Joint	3.00			4358.00	
Packer	5.00			4363.00	29.00 Bottom Of Top Packer
Packer	5.00			4368.00	
Stubb	1.00			4369.00	
Recorder	0.00	8018	Inside	4369.00	
Recorder	0.00	8700	Outside	4369.00	
Perforations	4.00			4373.00	
Bullnose	3.00			4376.00	8.00 Bottom Packers & Anchor

Total Tool Length: 37.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc

36-19s-22w Ness,KS

PO Box 399
Garden City, KS 67846

Williams #12

Job Ticket: 64924

DST#: 2

ATTN: Scott Corsair, Jason

Test Start: 2016.03.21 @ 01:15:38

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

25000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.13 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	70' GIP	0.000
60.00	SO&GCWM 10%G5%O35%W50%M	0.568
50.00	CO	0.701

Total Length: 110.00 ft Total Volume: 1.269 bbl

Num Fluid Samples: 0

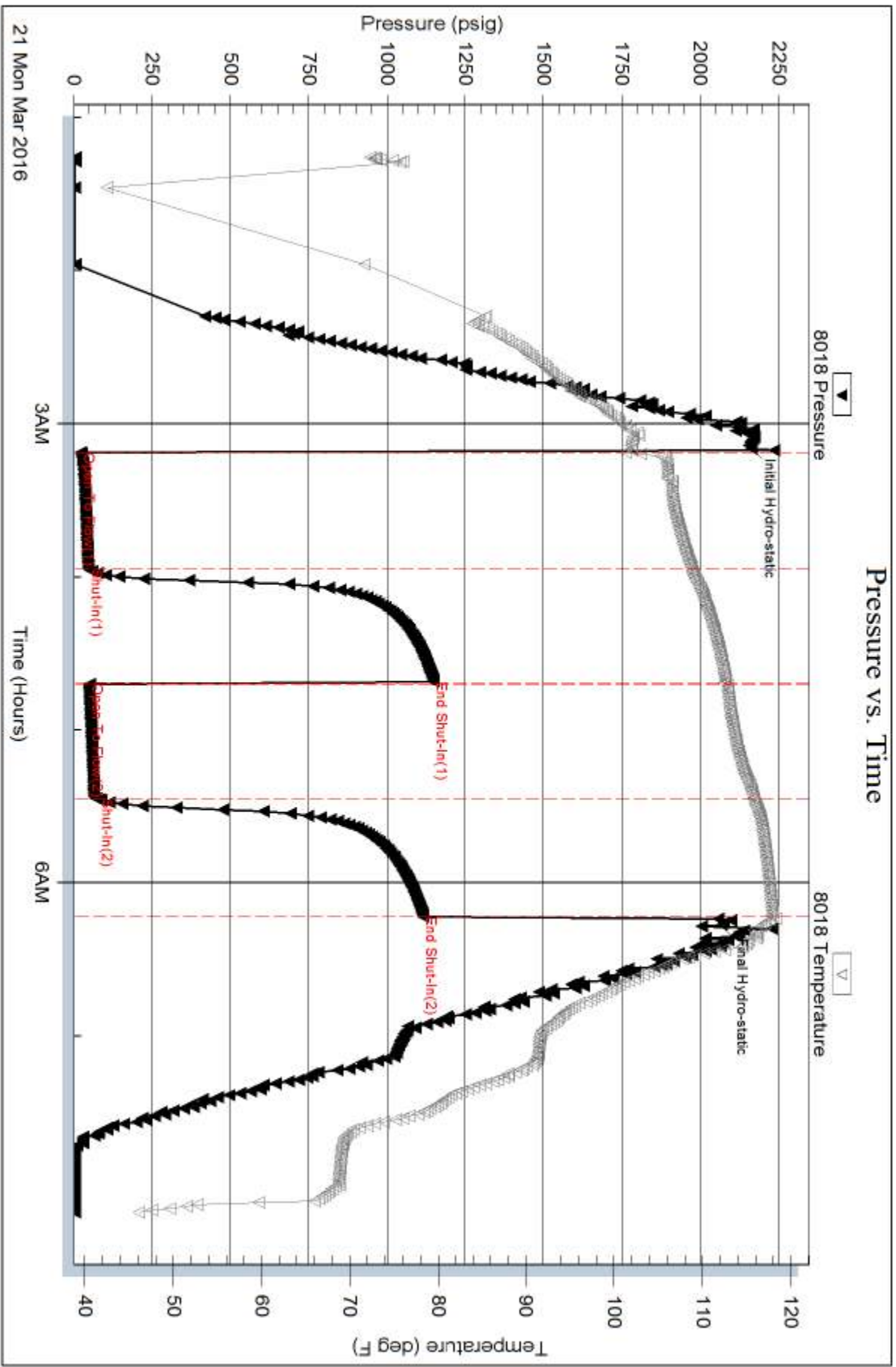
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .37@50F

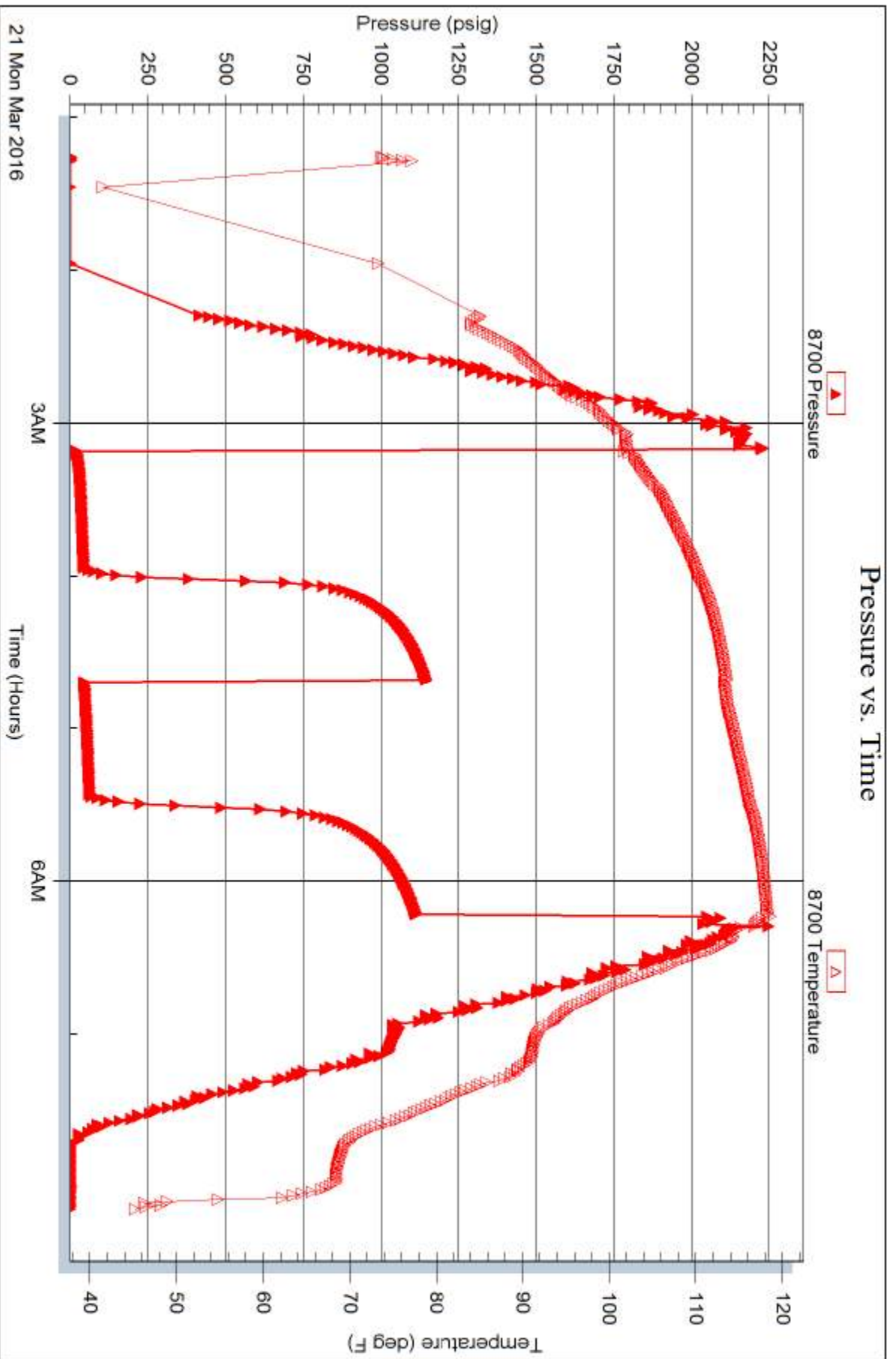


Serial #: 8700

Outside American Warrior, Inc

Williams #12

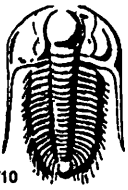
DST Test Number: 2



Tribble Testing, Inc

Ref. No: 64924

Printed: 2016.03.21 @ 11:49:47



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64923

Well Name & No. Williams #12 Test No. 1 Date 3-20-16
 Company American Warrior Inc Elevation 2258 KB 2250 GL
 Address 3118 Cummings Rd. PO Box 399 Garden City, Ks 67846
 Co. Rep / Geo. Jason Alm Rig Discovery 193
 Location: Sec. 36 Twp. 19^s Rge. 22^w Co. Ness State Ks

Interval Tested 4363-4371 Zone Tested Miss
 Anchor Length 8 Drill Pipe Run 4312 Mud Wt. 9.2
 Top Packer Depth 4358 Drill Collars Run 30 Vis 51
 Bottom Packer Depth 4363 Wt. Pipe Run - WL 9.2
 Total Depth 4371 Chlorides 7400 ppm System LCM TR.

Blow Description IFP - Weak to a fair Blow 1/4" to 4 1/4" Blow
ISIP - NO Blow
FFP - Weak Blow thru-out 1/4" to 3" Blow
FSIP - NO Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>6TP</u>				
<u>80</u>	<u>Co</u>				
<u>40</u>	<u>0+6CWM</u>	<u>5</u>	<u>15</u>	<u>30</u>	<u>50</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 100 BHT 119 Gravity 39 API RW .38 @ 52 °F Chlorides 24000 ppm

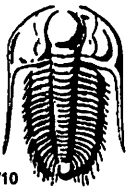
(A) Initial Hydrostatic 2158 Test 1150 T-On Location 1145
 (B) First Initial Flow 23 Jars 250 T-Started 1240
 (C) First Final Flow 44 Safety Joint 75 T-Open 1450
 (D) Initial Shut-In 1207 Circ Sub _____ T-Pulled 1750
 (E) Second Initial Flow 53 Hourly Standby _____ T-Out 1940
 (F) Second Final Flow 60 Mileage 116 RT 87 Comments _____
 (G) Final Shut-In 1174 Sampler _____
 (H) Final Hydrostatic 2063 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45

Sub Total 1562 MP/DST Disc't _____

Approved By _____ Our Representative Ray Schwager *Thank you*

Tribolite 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64924

Well Name & No. Williams #12 Test No. 2 Date 3-28-16
 Company AMERICAN WARRIOR, INC Elevation 2258 KB 2250 GL
 Address 3118 Cummings Rd, PO Box 399 Garden City, Ks 67846
 Co. Rep / Geo. Jason Alm Rig Discovery Rig 3
 Location: Sec. 36 Twp. 19^s Rge. 22^w Co. Ness State Ks

Interval Tested 4368-4376 Zone Tested MISS
 Anchor Length 8 Drill Pipe Run 4313 Mud Wt. 9.2
 Top Packer Depth 4363 Drill Collars Run 30 Vis SI
 Bottom Packer Depth 4368 Wt. Pipe Run - WL 9.2
 Total Depth 4376 Chlorides 7400 ppm System LCM TR
 Blow Description IFP - WEAK Blow thru-out 1/4" to 3" Blow
ISIP - NO BLOW, 1st 20 min, then had surface blow back
FFP - WEAK Blow thru-out 1/2" to 3" Blow
FSTIP - SURFACE BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>Feet of 6TIP</u>				
<u>50</u>	<u>Feet of CO</u>				
<u>60</u>	<u>Feet of 50-6CWM</u>	<u>10</u>	<u>5</u>	<u>35</u>	<u>50</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 110 BHT 118 Gravity 39 API RW .37 @ 50 °F Chlorides 25000 ppm

(A) Initial Hydrostatic 2155 Test 1150 T-On Location 0000
 (B) First Initial Flow 22 Jars 250 T-Started 0115
 (C) First Final Flow 46 Safety Joint 75 T-Open 0310
 (D) Initial Shut-In 1148 Circ Sub _____ T-Pulled 0610
 (E) Second Initial Flow 50 Hourly Standby _____ T-Out 0809
 (F) Second Final Flow 81 Mileage 30 RT 22.50 Comments _____
 (G) Final Shut-In 1114 Sampler _____ STAYED AT RIG BETWEEN TESTS
 (H) Final Hydrostatic 2066 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1497.50
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1497.50

Approved By _____ Our Representative Ray Schwach Thank you
 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.