

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
--	---

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) (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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	BRAD 1-23
Doc ID	1390824

Tops

Name	Top	Datum
Anhydrite	1462	779
Heebner	3725	-1484
Lansing	3773	-1532
BKC	4094	-1853
Pawnee	4206	-1965
Ft. Scott	4284	-2043
Cherokee	4308	-2067
Mississippian	4377	-2136
RTD	4399	-2158



CHARGE TO: American Lessor Inc.
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET 01195

PAGE 1 OF 1

1. SERVICE LOCATIONS Dress City, KS	WELL/PROJECT NO. H-23	LEASE Breal	COUNTY/PARISH A Dress	STATE KS	CITY Bessie	DATE 1-24-18	OWNER Scane
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR H-D Oilfield Services	RIG NAME/NO.	SHIPPED VIA GT	DELIVERED TO Location	WELL PERMIT NO.	ORDER NO.	
3. WELL TYPE O-1	WELL CATEGORY Development	JOB PURPOSE Cement 5 1/2" Port Collar					
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS					WELL LOCATION Bessie - 103, 2, by E.A.S.	

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE			20	1000	5.00	1000.00
576 D					Pump Charge - Port Collar			1	1000	1250.00	1250.00
330					SMD Cement			135	5k	15.75	2126.25
276					Fluicite			1 1/2	116	2.25	112.50
240					D-Air			2	gal	42.00	84.00
105					Port Collar Tool Rental			5 1/2	in	275.00	275.00
81					Service Charge Cement			175	5k	1.50	262.50
382					Minimum Damage Charge			1	ea	250.00	250.00

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 *Scott*

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

SURVEY	AGREE	UNDECIDED	DISAGREE	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				4460.25
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?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				
TOTAL				4639.10

DATE SIGNED: 1-24-18 TIME SIGNED: 1:00 A.M. P.M.

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

SWIFT OPERATOR: *David H. H. H.* APPROVAL: *Thank You!*

JOB LOG

SWIFT Services, Inc.

DATE 1-24-18
 PAGE NO.
 TICKET NO. 31195

CUSTOMER American Warrior
 WELL NO. #1-23
 LEASE Brad
 JOB TYPE Port Collar

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1400							on location 2 3/8 x 5 1/2
								P.C. - 1441'
	1545	0	0			1000		Pressure test * Hold *
								Open P.C.
	1555	3 1/2	5			300		Injection Rate
	1600	4	72			400		mix 135 sks SMPD 1/4" Flo @ 11.2 fpg circulate cement to surface
		4	5			500		Displace Cement
	1630	0	0			1000		Close P.C. Test * Hold *
								Run 4 sks
	1640	3 1/2	20			300		Reverse Clean wash up truck
								* 35 sks total *
								* 20 sks to pit *
	1715							Job Complete
								Thank You Dave Preston Isaac



TICKET 51137

CHARGE TO: NOE Run 11 PART OF
 ADDRESS
 CITY, STATE, ZIP CODE

PAGE 1 OF 2

SERVICE LOCATIONS
 1. Wm Miller KS WELL/PROJECT NO. 1-23 LEASE Brand COUNTY/PARISH Redd STATE KS CITY Parizine DATE 10 Jan 18 OWNER
 2. TICKET TYPE SERVICE CONTRACTOR RIG NAME/NO. 4 SHIPPED W/RT DELIVERED TO 10000 AN ORDER NO.
 3. WELL TYPE Production WELL CATEGORY Production JOB PURPOSE General long string WELL PERMIT NO.
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS WELL LOCATION 23-20-22

HICE RENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE	85	mi			5.00	425.00
578					Blue Cheese	1	ea	5.00		5.00	5.00
403					Contractor	5	hr	2.00		50.00	250.00
404					Contract Basket	5	hr	2.00		50.00	250.00
406					Port collar	1	ea	250.00		250.00	250.00
407					1/4 lb Almond 1/2 bushel	5	lb	1.00		0.50	2.50
419					Inspect float shaft w/rotor	5	hr	1.00		5.00	25.00
					Rotary head rental	5	hr	1.00		2.00	10.00

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X

DATE SIGNED _____ TIME SIGNED _____ A.M. P.M.

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

SWIFT OPERATOR _____ APPROVAL _____

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UNDECIDED	DISAGREE
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?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

TOTAL _____

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 10 Jan 18 PAGE NO. 1

CUSTOMER American Water WELL NO. 1-23 LEASE Brad JOB TYPE cement-lime slurry TICKET NO. 31137

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								1753k EA-2 cement w/ 1/4" flocculant 5 1/2" x 15.5# casing 105' to 4402'
								RTD: 4399' Port collar "70 1441"
								Centralizers 1, 2, 3, 4, 6, 9 Bucket 5, 7, 10 slows, 40-42'
	0300							on loc TRK 115
	0350							start 5 1/2" x 15.5# casing in well
	0545							Drop ball - circulate - RTD
	0630	5	12			200		Pump 500 gal mud flash
		5	20			200		Pump 20 bbl KCL flocculant
			7					Plug RTI - MH 205k - 205k
	0650	5	35			200		Mix EA-2 cement 125 ^{lb} @ 15.3 gpm 110'
								Drop ball latch clean plug work out pump line
	0705	6 1/4				200		Displace plug
		6 1/4	95			650		
	0710	5	104			1500		Land plug Release pressure to truck - dead up
	0735							work truck
								Rack up
	0800							job complete thanks Flint, Dave & Squatch



CHARGE TO: American Leasing of Leve
 ADDRESS
 CITY, STATE, ZIP CODE

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <u>Ness City, MS</u>	<u>#1-23</u>	<u>Brud</u>	<u>Ness</u>	<u>MS</u>	<u>Braine</u>	<u>1-3-18</u>	<u>Dave</u>
TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED	DELIVERED TO	ORDER NO.	WELL LOCATION	
	<u>Discovery Drilling</u>	<u>84</u>	<u>WCT</u>	<u>Levellon</u>		<u>Braine - 10e 2nd h.s. l.e.</u>	
WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.				
<u>O1</u>	<u>Development</u>	<u>Cement 8 7/8 Surface Pipe</u>					
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY. U/M			UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.		
<u>575</u>					MILEAGE			<u>25</u>	<u>mi.</u>	<u>125</u>
<u>576.5</u>					Pump Charge - Shallow Surface			<u>1</u>	<u>job</u>	<u>800</u>
<u>325</u>					Standard Cement			<u>150</u>	<u>sks</u>	<u>1837</u>
<u>278</u>					Calcium Chloride			<u>3</u>	<u>1%</u>	<u>42</u>
<u>279</u>					Bentone Gel			<u>2</u>	<u>1/2</u>	<u>25</u>
<u>290</u>					D-Air			<u>2</u>	<u>gal.</u>	<u>84</u>
<u>581</u>					Service Charge Cement			<u>150</u>	<u>sks</u>	<u>225</u>
<u>582</u>					Minimum Drillage Charge			<u>1</u>	<u>ea.</u>	<u>250</u>

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MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.
 DATE SIGNED 1-3-18 TIME SIGNED 2:00
 A.M. P.M.

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

SURVEY	AGREE	UNDECIDED	DISAGREE	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				<u>3676</u>
WE UNDERSTOOD AND MET YOUR NEEDS?				
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				
TAX				
TOTAL				

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.
 SWIFT OPERATOR Daniel Harkin APPROVAL Daniel Harkin
 Thank You!

JOB LOG

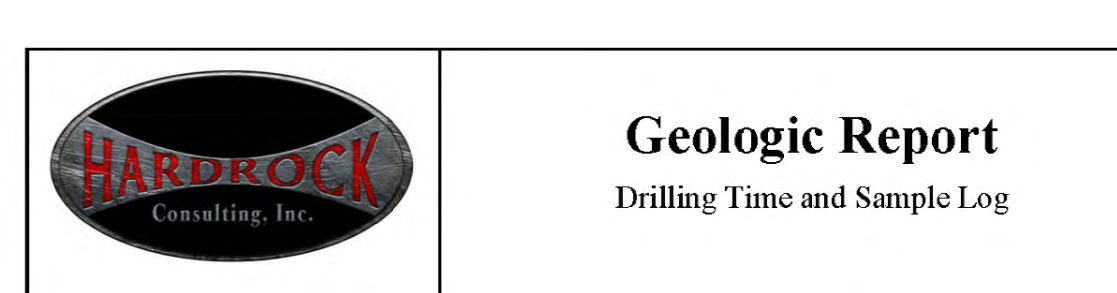
SWIFT Services, Inc.

DATE 1-3-18	PAGE NO. 1
TICKET NO. # 31185	

CUSTOMER American Warrior	WELL NO. #1-23	LEASE Brad	JOB TYPE Surface
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2000							on location 8 5/8" 23"
								RTD- 211' TP-211'
	2100							Start 8 5/8" 23" casing in well
	2130							Break Circulation
2140	2140	4 1/2	5		✓		100	Pump STD water Spacer
2142	2142	4 1/2	36		✓		100	mix 150 sks STD 2% Gell 3% CC @ 14.7 ppg
2155	2155	4 1/2	∅		✓		100	Displace Cement
		4 1/2	8		✓		100	circulate Cement to surface * 20 sks *
	2200	4 1/2	13		✓		200	Kick out Pump Shut in
								wash up trucks
	2230							Job Complete

Thank You
Dave Preston Kirby



Geologic Report

Drilling Time and Sample Log

Operator American Warrior, Inc.		Elevation KB 2241'
Lease Brad	No. 1-23	DF 2233'
API # 15-135-25987-0000		Casing Record Surface
Field Wildcat		8 5/8" @ 210'
Location 2200' FSL & 1525' FWL		Production 5 1/2" @ 4398'
Sec. 23 Twp. 20s Rge. 22w		Electrical Surveys
County Ness State Kansas		None

Drilling Contractor	Discovery Drilling, Inc.	Rig #4
Commenced	1-3-2018	Completed 1-10-2018
Samples Saved From	4000'	To RTD
Drilling Time Kept From	3600'	To RTD
Samples Examined From	4000'	To RTD
Geological Supervision From	4000'	To RTD

Displacement 3500' Mud Type Chemical

Summary and Recommendations

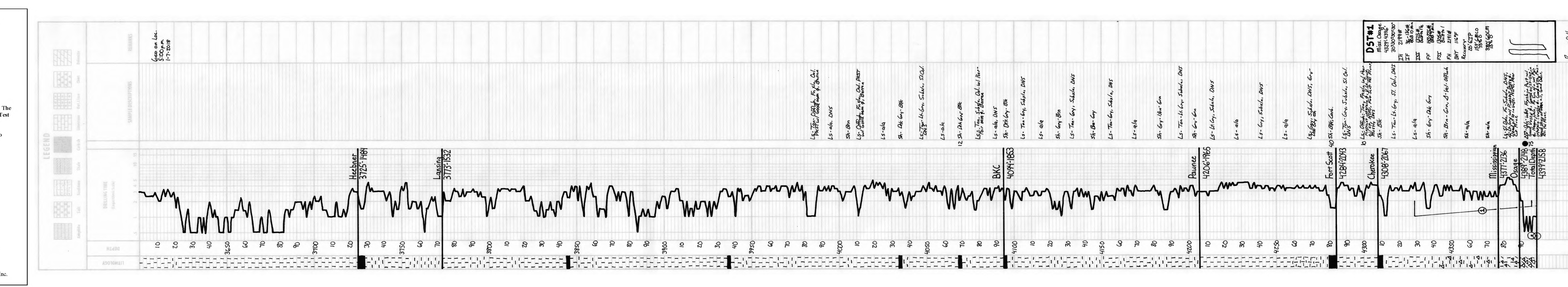
The location for the Brad #1-23 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One Drill Stem Test was conducted which recovered commercial amounts of oil from the Mississippian Osage Formation. After all gathered data had been examined the decision was made to run 5 1/2 inch production casing to further evaluate the Brad #1-23 well.

Formation	Log Tops	Sample Tops	Struct Comp
Anhydrite		1462' +779	-7
Base		1499' +742	
Heebner		3725' -1484	FL
Lansing		3773' -1532	FL
BKC		4094' -1853	
Pawnee		4206' -1965	
Fort Scott		4284' -2043	+10
Cherokee		4308' -2067	
Mississippian Warsaw		4377' -2136	+18
Mississippian Osage		4389' -2148	+37
Total Depth		4399' -2158	

Reference Well For Structural Comparison Mid-Continent Energy Corp Bondurant #1
1650' FNL & 1650' FWL Sec. 23 T20s R22w Ness County, Kansas

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.



Geological Report

American Warrior, Inc.

Brad #1-23

2200' FSL & 1525' FWL

Sec. 23 T20s R22w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Brad #1-23
2200' FSL & 1525' FWL
Sec. 23 T20s R22w
Ness County, Kansas
API # 15-135-25987-0000

Drilling Contractor: Discovery Drilling Rig #4

Geologist: Jason T Alm

Spud Date: January 3, 2018

Completion Date: January 10, 2018

Elevation: 2233' Ground Level
2241' Kelly Bushing

Directions: Bazine KS, South 10 mi. to 30 rd. West 2 mi. South
½ mi. East into location.

Casing: 210' 8 5/8" surface casing
4398' 5 1/2" production casing

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

Drilling Time: 3600' to RTD

Electric Logs: None

Drillstem Tests: One, Trilobite Testing, Inc. "Brannan Lonsdale"

Problems: None

Remarks: None

Formation Tops

Formation	American Warrior, Inc.
	Brad #1-23
	Sec. 23 T20s R22w
	2200' FSL & 1525' FWL
Anhydrite	1462' +779
Base	1499' +742
Heebner	3725' -1484
Lansing	3773' -1532
BKC	4094' -1853
Pawnee	4206' -1965
Fort Scott	4284' -2043
Cherokee	4308' -2067
Mississippian	4377' -2136
Osage	4389' -2148
RTD	4399' -2158

Sample Zone Descriptions

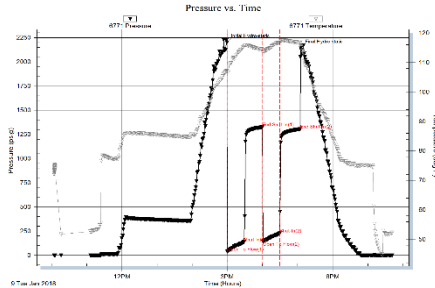
Mississippian Osage (4389', -2148): **Covered in DST #1**

Δ – White, fresh in part with good vuggy porosity, good oil stain and saturation in porosity, heavy dolomite, fine sucrosic crystalline with fair inter-crystalline and vuggy porosity, good oil stain, fair to good show of free oil, good odor, bright yellow fluorescents, 75 units hotwire.

Drill Stem Tests
Trilobite Testing, Inc.
"Brannan Lonsdale"

DST #1 Mississippian Osage

Interval (4329' – 4396') Anchor Length 67'
 IHP – 2199 #
 IFP – 30" – B.O.B. 10 min. 36-136 #
 ISI – 30" – Built to 1 ½ in. 1325 #
 FFP – 30" – B.O.B. 7 min. 143-226 #
 FSI – 30" – Built to 1 in. 1305 #
 FHP – 2141 #
 BHT – 114°F



Recovery: 20' GIP
 159' GMCO 75% Oil
 380' GOCM 25% Oil

Structural Comparison

	American Warrior, Inc. Brad #1-23 Sec. 23 T20s R22w 2200' FSL & 1525' FWL	Mid-Continent Energy Bondurant #1 Sec. 23 T20s R22w 1650' FNL & 1650' FWL		Vincent Oil Corp Goatley #1 Sec. 23 T20s R22w 1320' FSL & 2495' FWL	
Formation					
Anhydrite	1462' +779	1437' +786	(-7)	1433' +771	(+8)
Base	1499' +742	NA	NA	NA	NA
Heebner	3725' -1484	3707' -1484	FL	3696' -1492	(+8)
Lansing	3773' -1532	3755' -1532	FL	3744' -1540	(+8)
BKC	4094' -1853	NA	NA	4073' -1869	(+16)
Pawnee	4206' -1965	NA	NA	4187' -1983	(+18)
Fort Scott	4284' -2043	4276' -2053	(+10)	4267' -2063	(+20)
Cherokee	4308' -2067	NA	NA	4291' -2087	(+20)
Mississippian	4377' -2136	4381' -2158	(+22)	4374' -2170	(+34)
Osage	4389' -2148	4408' -2185	(+37)	Not Reached	NR

Summary

The location for the Brad #1-23 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 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 Brad #1-23 well.

Recommended Perforations

Primary:

Mississippian Osage (4389' – 4396') **DST #1**

Before Abandonment:

Fort Scott (4296' – 4301') **Not Tested**

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: Jason T Alm

Brad #1-23

23-20S-22W Ness, KS

Start Date: 2018.01.09 @ 10:03:59

End Date: 2018.01.09 @ 19:41:19

Job Ticket #: 63342 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.01.10 @ 09:10:35



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

23-20S-22W Ness, KS
Brad #1-23
 Job Ticket: 63342 **DST#: 1**
 Test Start: 2018.01.09 @ 10:03:59

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:59:50
 Time Test Ended: 19:41:19
 Interval: **4329.00 ft (KB) To 4396.00 ft (KB) (TVD)**
 Total Depth: 4396.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brannan Lonsdale
 Unit No: 73
 Reference Elevations: 2241.00 ft (KB)
 2233.00 ft (CF)
 KB to GR/CF: 8.00 ft

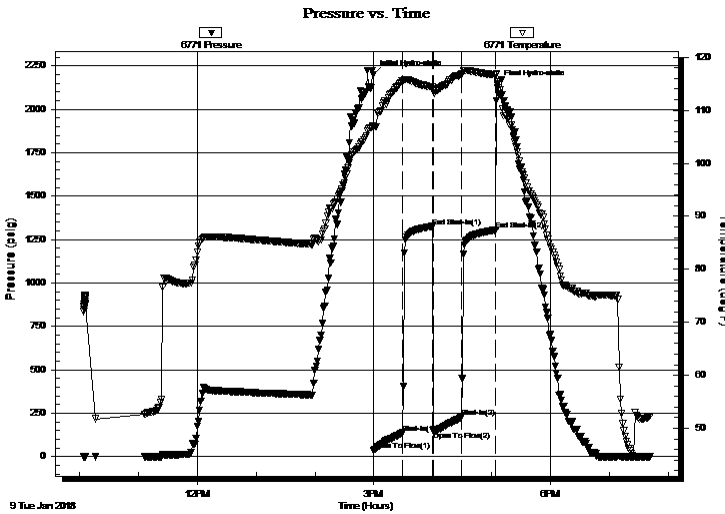
Serial #: 6771

Inside

Press@RunDepth: 226.36 psig @ 4359.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.01.09 End Date: 2018.01.09 Last Calib.: 2018.01.09
 Start Time: 10:04:00 End Time: 19:41:19 Time On Btm: 2018.01.09 @ 14:59:20
 Time Off Btm: 2018.01.09 @ 17:05:50

TEST COMMENT: 30- IF- BOB 10 mins
 30- IS- Slow ly built to 1 1/2"
 30- FF- BOB 7 mins
 30- FSI- Slow ly built to 1"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2198.65	107.02	Initial Hydro-static
1	36.90	106.95	Open To Flow (1)
30	136.46	115.44	Shut-In(1)
61	1324.67	114.38	End Shut-In(1)
62	143.59	113.71	Open To Flow (2)
90	226.36	116.75	Shut-In(2)
125	1304.76	116.65	End Shut-In(2)
127	2141.40	115.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
380.00	GOCM, 20%G 15%O 65%M	5.09
159.00	GMCO, 10%G 75%O 15%M	2.25
0.00	20' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

23-20S-22W Ness, KS

PO Box 399
Garden City, KS 67846

Brad #1-23

Job Ticket: 63342

DST#: 1

ATTN: Jason T Alm

Test Start: 2018.01.09 @ 10:03:59

Tool Information

Drill Pipe:	Length: 4280.00 ft	Diameter: 3.82 inches	Volume: 60.67 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose:	71000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	4329.00 ft			Final	66000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	67.00 ft				
Tool Length:	95.00 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			4302.00	
Shut In Tool	5.00			4307.00	
Hydraulic tool	5.00			4312.00	
Jars	5.00			4317.00	
Safety Joint	3.00			4320.00	
Packer	5.00			4325.00	28.00 Bottom Of Top Packer
Packer	4.00			4329.00	
Stubb	1.00			4330.00	
Perforations	29.00			4359.00	
Recorder	0.00	6771	Inside	4359.00	
Recorder	0.00	8524	Outside	4359.00	
Change Over Sub	1.00			4360.00	
Drill Pipe	32.00			4392.00	
Change Over Sub	1.00			4393.00	
Bullnose	3.00			4396.00	67.00 Bottom Packers & Anchor

Total Tool Length: 95.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

23-20S-22W Ness, KS

PO Box 399
Garden City, KS 67846

Brad #1-23

Job Ticket: 63342

DST#: 1

ATTN: Jason T Alm

Test Start: 2018.01.09 @ 10:03:59

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
380.00	GOCM, 20%G 15%O 65%M	5.090
159.00	GMCO, 10%G 75%O 15%M	2.254
0.00	20' GIP	0.000

Total Length: 539.00 ft

Total Volume: 7.344 bbl

Num Fluid Samples: 0

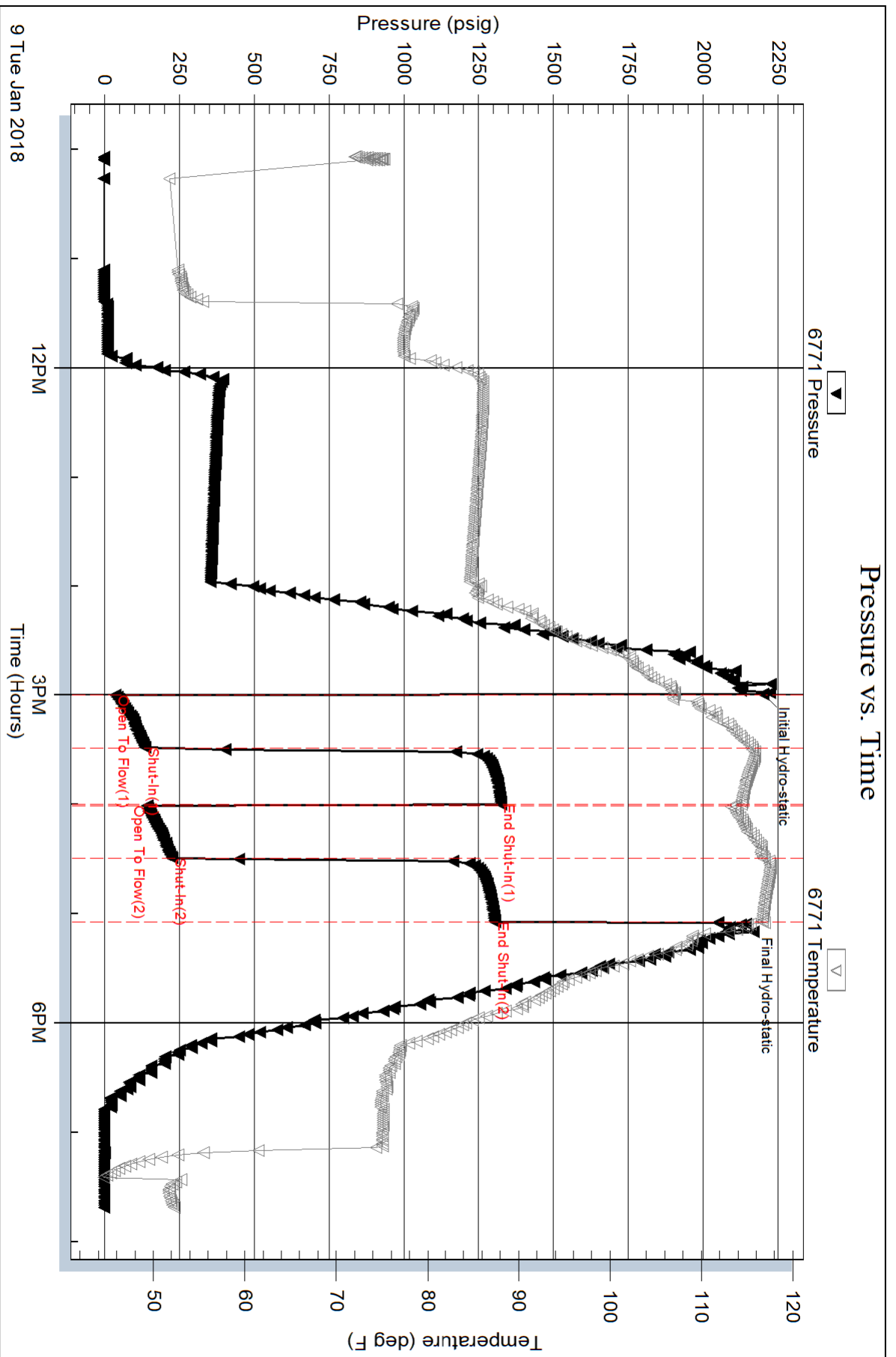
Num Gas Bombs: 0

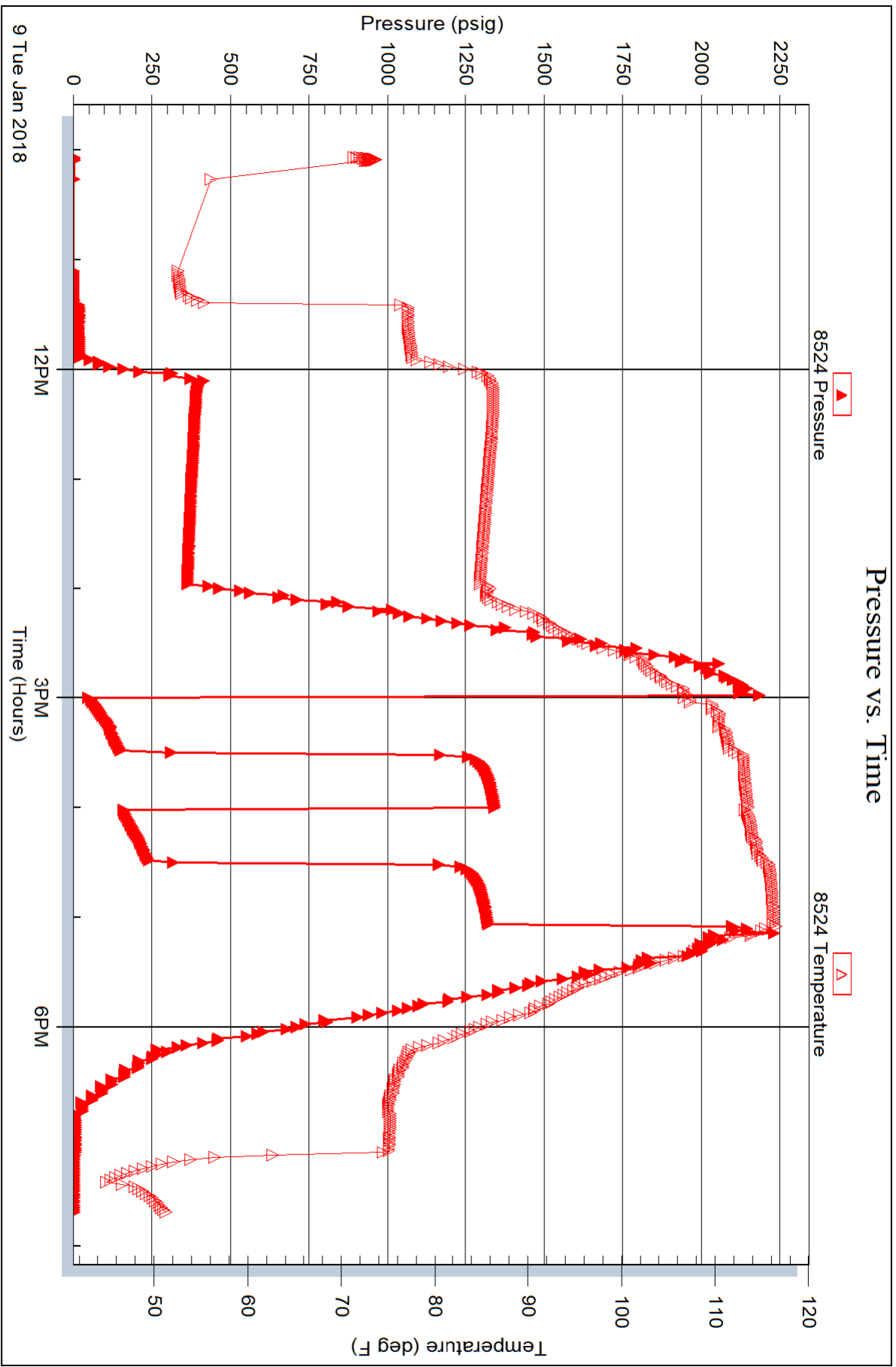
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63342

Well Name & No. Brad #1-23 Test No. 1 Date 1/9/18
 Company American Warriors Inc. Elevation 2241 KB 2233 GL
 Address PO Box 399 Carthage City, KS 67876
 Co. Rep / Geo. Jason T Alm Rig Discovery #4
 Location: Sec. 23 Twp 212 S Rge. 22 W Co. Ness State KS

Interval Tested 4329-4396 Zone Tested MFS5
 Anchor Length 67' Drill Pipe Run 4280 Mud Wt. 9.3
 Top Packer Depth 4324 Drill Collars Run 32 Vis 52
 Bottom Packer Depth 4329 Wt. Pipe Run --- WL 8.8
 Total Depth 4396 Chlorides 8,500 ppm System LCM 1#

Blow Description IF- BOB 10mins
ISI- Slurry ball to 1'6"
FF- BOB 7mins
FST-

Rec	Feet of	%gas	%oil	%water	%mud
<u>380</u>	<u>GOCMA</u>	<u>20</u>	<u>15</u>	<u>65</u>	<u>---</u>
<u>159</u>	<u>GMACO</u>	<u>10</u>	<u>75</u>	<u>15</u>	<u>---</u>
<u>---</u>	<u>20' GTP</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
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Rec Total 539 BHT 117° Gravity 35 API RW --- @ --- F Chlorides --- ppm
 (A) Initial Hydrostatic 2199 Test 1150 T-On Location 1001
 (B) First Initial Flow 37 Jars 250 T-Started 1004
 (C) First Final Flow 136 Safety Joint 75 T-Open 1500
 (D) Initial Shut-In 1325 Circ Sub T-Pulled 1700
 (E) Second Initial Flow 144 Hourly Standby T-Out 1942
 (F) Second Final Flow 226 Mileage 136 RT 102 Comments ---
 (G) Final Shut-In 1305 Sampler ---
 (H) Final Hydrostatic 2141 Straddle --- Ruined Shale Packer ---
 Shale Packer --- Ruined Packer ---
 Extra Packer --- Extra Copies ---
 Extra Recorder --- Sub Total 0
 Day Standby --- Total 1577
 Accessibility --- MP/DST Disc't ---
 Sub Total 1577

Approved By _____ Our Representative Braman Lonsdale

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