

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	O'BRATE - FLB 2-29
Doc ID	1323135

Tops

Name	Top	Datum
Anhy	1856	+999
B/Anhy	1924	+931
Heebner	3932	-1077
Lansing	3982	-1127
B/KC	4479	-1624
Marmaton	4502	-1647
Pawnee	4584	-1729
Ft.Scott	4611	-1756
Cherokee	4622	-1767
Morrow	4776	-1921
Mississioan	4800	-1945

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	O'BRATE - FLB 2-29
Doc ID	1323135

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	4586'to 4592		
	CIBP@4700		
4	4980'to 4984		



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Luke Thompson

O'Brate FLB #2-29

29-25s-31w Finney,KS

Start Date: 2016.10.13 @ 12:21:00

End Date: 2016.10.13 @ 20:20:00

Job Ticket #: 63004 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.10.17 @ 09:59:38

American Warrior Inc
29-25s-31w Finney,KS
O'Brate FLB #2-29
DST # 1
Marmaton
2016.10.13



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc

29-25s-31w Finney, KS

PO Box 399
Garden City KS 67846

O'Brate FLB #2-29

ATTN: Luke Thompson

Job Ticket: 63004

DST#: 1

Test Start: 2016.10.13 @ 12:21:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:38:00

Time Test Ended: 20:20:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 76

Interval: 4468.00 ft (KB) To 4535.00 ft (KB) (TVD)

Reference Elevations: 2855.00 ft (KB)

Total Depth: 4535.00 ft (KB) (TVD)

2844.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8289 Outside

Press @ Run Depth: 113.47 psig @ 4471.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.13 End Date: 2016.10.13

Last Calib.: 2016.10.13

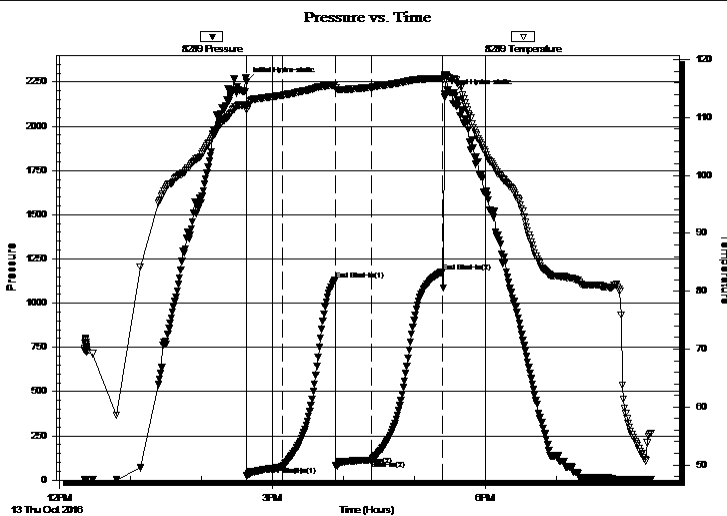
Start Time: 12:21:02 End Time: 20:20:00

Time On Btm: 2016.10.13 @ 14:37:45

Time Off Btm: 2016.10.13 @ 17:24:45

TEST COMMENT: 30-IFP- BOB in 9 1/2 min.
45-ISIP- Surface Blow in 3 min
30-FFP- BOB in 45 sec.
60-FSIP- Surface Blow Building to 1 3/4" In 5 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2249.85	112.06	Initial Hydro-static
1	25.19	111.35	Open To Flow (1)
31	75.39	113.83	Shut-In(1)
75	1130.67	115.48	End Shut-In(1)
76	83.22	115.07	Open To Flow (2)
106	113.47	115.19	Shut-In(2)
166	1178.21	116.70	End Shut-In(2)
167	2185.45	117.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOCM 70%g 15%o 15%m	0.30
62.00	GOCM 15%g 25%o 60%m	0.30
62.00	GOCM 40%g 10%o 50%m	0.30
14.00	OCM 5%o 95%m	0.07
0.00	434 GIP	0.00

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: Luke Thompson

29-25s-31w Finney, KS

O'Brate FLB #2-29

Job Ticket: 63004 **DST#: 1**
 Test Start: 2016.10.13 @ 12:21:00

GENERAL INFORMATION:

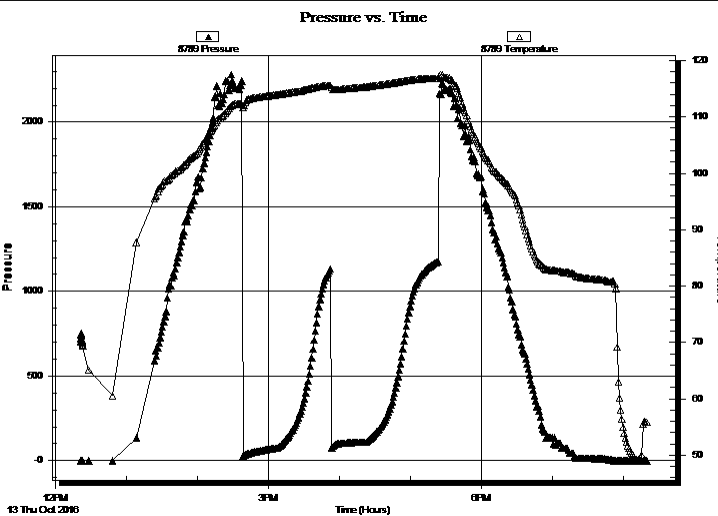
Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:38:00
 Time Test Ended: 20:20:00
 Interval: **4468.00 ft (KB) To 4535.00 ft (KB) (TVD)**
 Total Depth: 4535.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jim Svaty
 Unit No: 76
 Reference Elevations: 2855.00 ft (KB)
 2844.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8789

Inside

Press @ Run Depth: psig @ 4471.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.10.13 End Date: 2016.10.13 Last Calib.: 2016.10.13
 Start Time: 12:21:02 End Time: 20:19:45 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IFP- BOB in 9 1/2 min.
 45-ISIP- Surface Blow in 3 min
 30-FFP- BOB in 45 sec.
 60-FSIP- Surface Blow Building to 1 3/4" In 5 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOCM 70%g 15%o 15%m	0.30
62.00	GOCM 15%g 25%o 60%m	0.30
62.00	GOCM 40%g 10%o 50%m	0.30
14.00	OCM 5%o 95%m	0.07
0.00	434 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

29-25s-31w Finney,KS

PO Box 399
Garden City KS 67846

O'Brate FLB #2-29

Job Ticket: 63004

DST#: 1

ATTN: Luke Thompson

Test Start: 2016.10.13 @ 12:21:00

Tool Information

Drill Pipe:	Length: 4200.00 ft	Diameter: 3.80 inches	Volume: 58.91 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 79000.00 lb
			<u>Total Volume: 60.13 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4468.00 ft			Final 77000.00 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			4441.00	
Shut In Tool	5.00			4446.00	
Hydraulic tool	5.00			4451.00	
Jars	5.00			4456.00	
Safety Joint	2.00			4458.00	
Packer	5.00			4463.00	28.00 Bottom Of Top Packer
Packer	5.00			4468.00	
Stubb	1.00			4469.00	
Perforations	1.00			4470.00	
Change Over Sub	1.00			4471.00	
Recorder	0.00	8789	Inside	4471.00	
Recorder	0.00	8289	Outside	4471.00	
Blank Spacing	31.00			4502.00	
Change Over Sub	1.00			4503.00	
Perforations	29.00			4532.00	
Bullnose	3.00			4535.00	67.00 Bottom Packers & Anchor
Total Tool Length:	95.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

29-25s-31w Finney,KS

PO Box 399
Garden City KS 67846

O'Brate FLB #2-29

Job Ticket: 63004

DST#: 1

ATTN: Luke Thompson

Test Start: 2016.10.13 @ 12:21:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	GOCM 70%g 15%o 15%m	0.305
62.00	GOCM 15%g 25%o 60%m	0.305
62.00	GOCM 40%g 10%o 50%m	0.305
14.00	OCM 5%o 95%m	0.069
0.00	434 GIP	0.000

Total Length: 200.00 ft

Total Volume: 0.984 bbl

Num Fluid Samples: 0

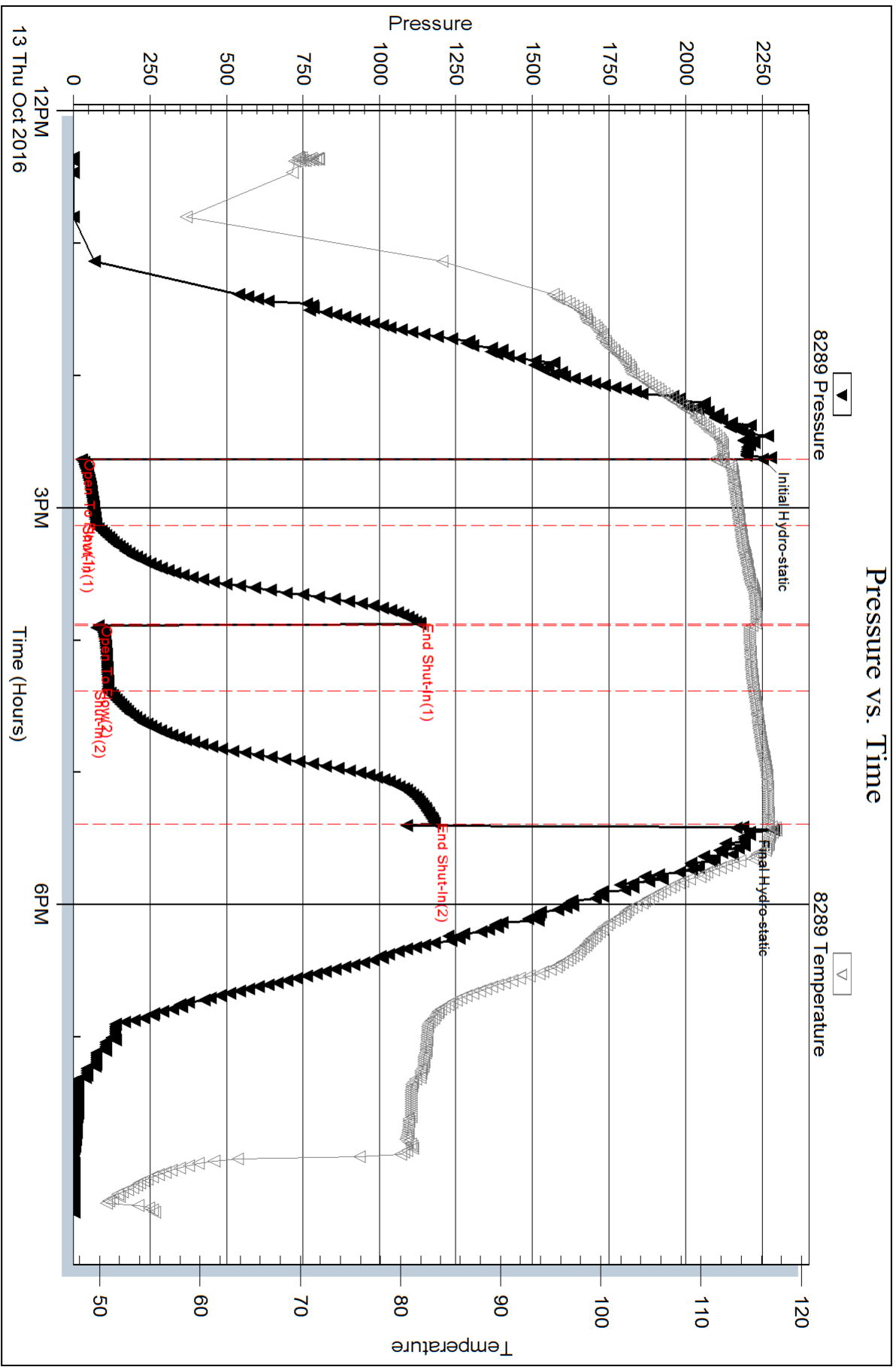
Num Gas Bombs: 0

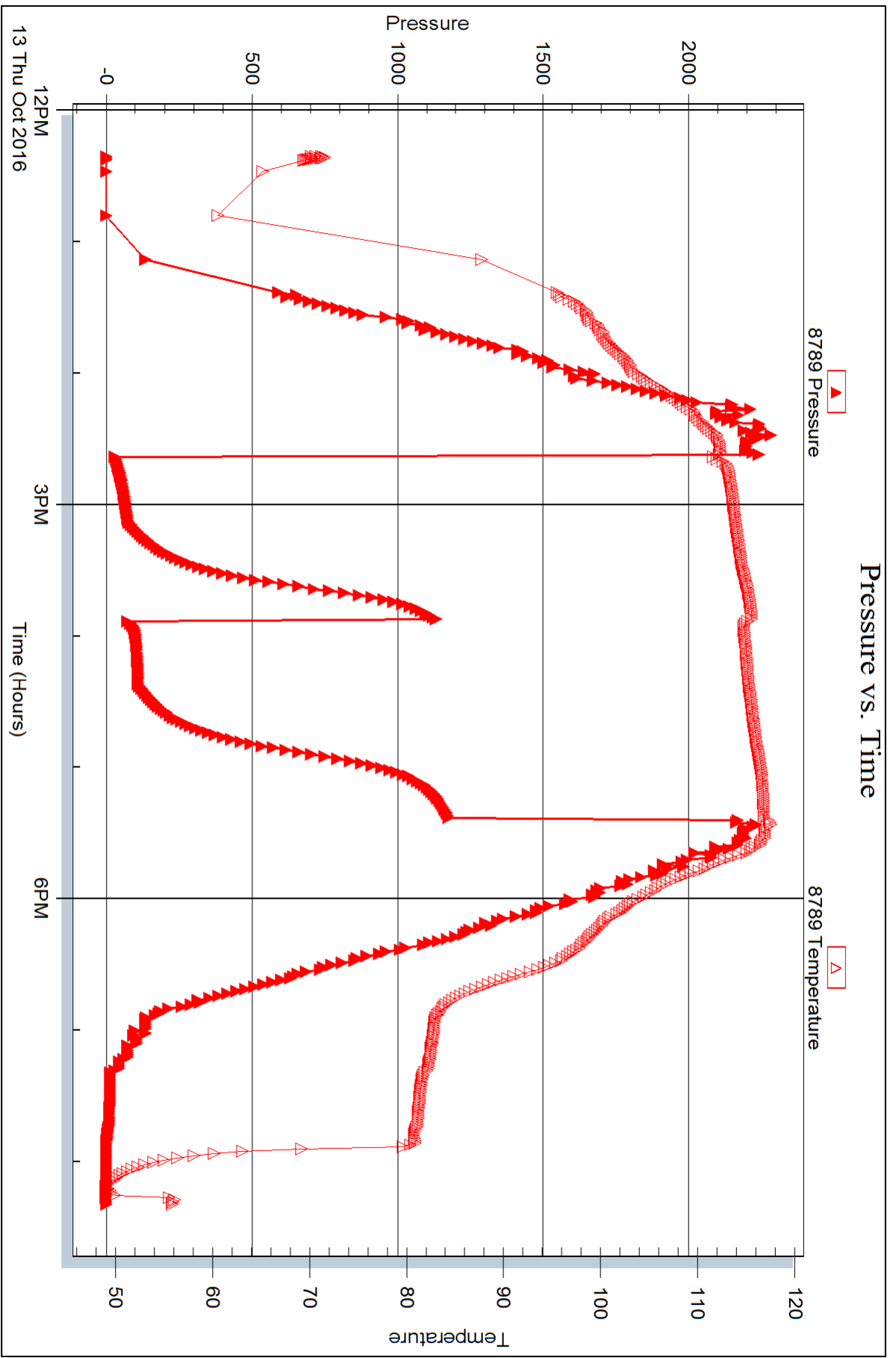
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Luke Thompson

O'Brate FLB #2-29

29-25s-31w Finney,KS

Start Date: 2016.10.14 @ 14:00:00

End Date: 2016.10.14 @ 22:47:00

Job Ticket #: 63005 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.10.17 @ 09:58:54



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc

29-25s-31w Finney, KS

PO Box 399
Garden City KS 67846

O'Brate FLB #2-29

ATTN: Luke Thompson

Job Ticket: 63005

DST#: 2

Test Start: 2016.10.14 @ 14:00:00

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:50:30

Time Test Ended: 22:47:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

Interval: 4602.00 ft (KB) To 4635.00 ft (KB) (TVD)

Reference Elevations: 2855.00 ft (KB)

Total Depth: 4635.00 ft (KB) (TVD)

2844.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8289 Outside

Press @ Run Depth: 120.48 psig @ 4603.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.14

End Date:

2016.10.14

Last Calib.:

2016.10.14

Start Time: 14:00:02

End Time:

22:47:00

Time On Btm:

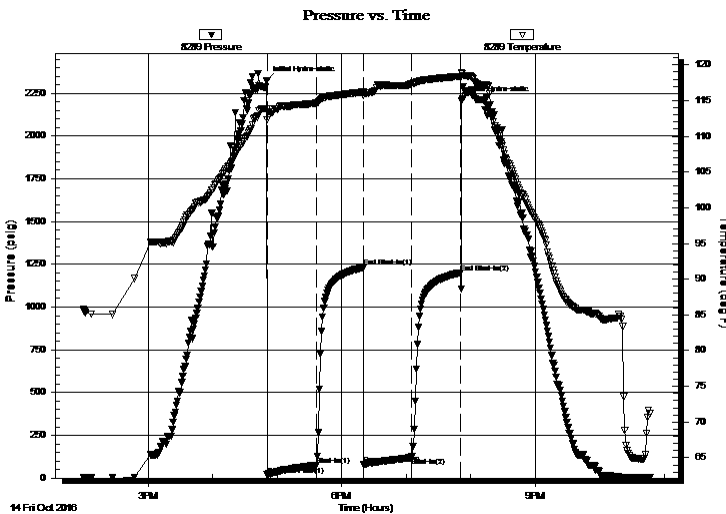
2016.10.14 @ 16:50:15

Time Off Btm:

2016.10.14 @ 19:51:30

TEST COMMENT: 45-IFP- Surface Blow Building to 2 1/2"
45-ISIP- No Blow
45-FFP- Surface Blow in 14 min. Building to 1"
45-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2324.95	113.85	Initial Hydro-static
1	19.05	112.31	Open To Flow (1)
46	75.93	114.64	Shut-In(1)
90	1231.87	116.17	End Shut-In(1)
90	82.64	115.68	Open To Flow (2)
135	120.48	117.30	Shut-In(2)
181	1201.20	118.37	End Shut-In(2)
182	2206.52	118.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
225.00	Oil Speck MCW 35% m 65% w	1.11

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc

29-25s-31w Finney, KS

PO Box 399
Garden City KS 67846

O'Brate FLB #2-29

Job Ticket: 63005

DST#: 2

ATTN: Luke Thompson

Test Start: 2016.10.14 @ 14:00:00

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:50:30

Time Test Ended: 22:47:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

Interval: 4602.00 ft (KB) To 4635.00 ft (KB) (TVD)

Reference Elevations: 2855.00 ft (KB)

Total Depth: 4635.00 ft (KB) (TVD)

2844.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8789

Inside

Press @ Run Depth: psig @ 4603.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.14

End Date:

2016.10.14

Last Calib.:

2016.10.14

Start Time: 14:00:02

End Time:

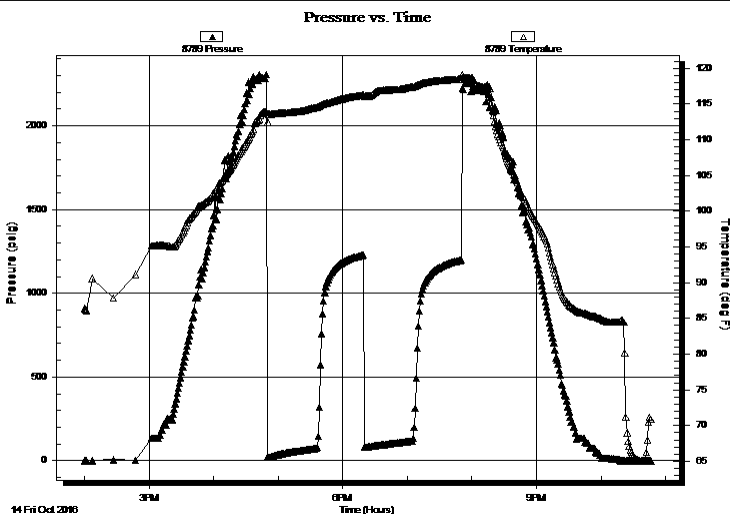
22:46:45

Time On Btm:

Time Off Btm:

TEST COMMENT: 45-IFP- Surface Blow Building to 2 1/2"
45-ISIP- No Blow
45-FFP- Surface Blow in 14 min. Building to 1"
45-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
225.00	Oil Speck MCW 35% m 65% w	1.11

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

29-25s-31w Finney, KS

PO Box 399
Garden City KS 67846

O'Brate FLB #2-29

Job Ticket: 63005

DST#: 2

ATTN: Luke Thompson

Test Start: 2016.10.14 @ 14:00:00

Tool Information

Drill Pipe:	Length: 4357.00 ft	Diameter: 3.80 inches	Volume: 61.12 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 79000.00 lb
			<u>Total Volume: 62.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4602.00 ft			Final 77000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	61.00 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			4575.00	
Shut In Tool	5.00			4580.00	
Hydraulic tool	5.00			4585.00	
Jars	5.00			4590.00	
Safety Joint	2.00			4592.00	
Packer	5.00			4597.00	28.00 Bottom Of Top Packer
Packer	5.00			4602.00	
Stubb	1.00			4603.00	
Recorder	0.00	8789	Inside	4603.00	
Recorder	0.00	8289	Outside	4603.00	
Perforations	29.00			4632.00	
Bullnose	3.00			4635.00	33.00 Bottom Packers & Anchor

Total Tool Length: 61.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

29-25s-31w Finney,KS

PO Box 399
Garden City KS 67846

O'Brate FLB #2-29

Job Ticket: 63005

DST#: 2

ATTN: Luke Thompson

Test Start: 2016.10.14 @ 14:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

42000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
225.00	Oil Speck MCW 35% _m 65% _w	1.107

Total Length: 225.00 ft Total Volume: 1.107 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

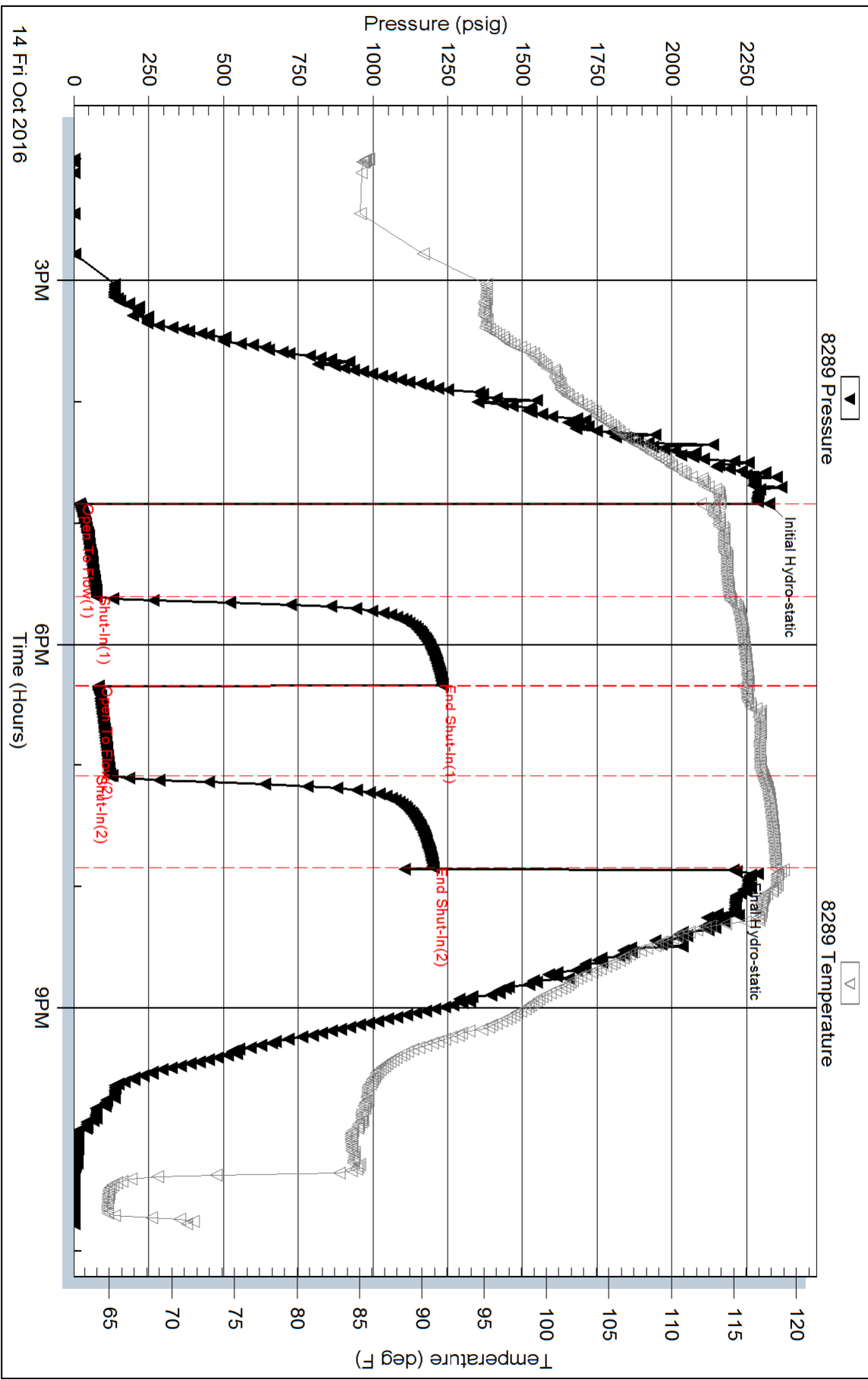
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .170 @ 68

Pressure vs. Time



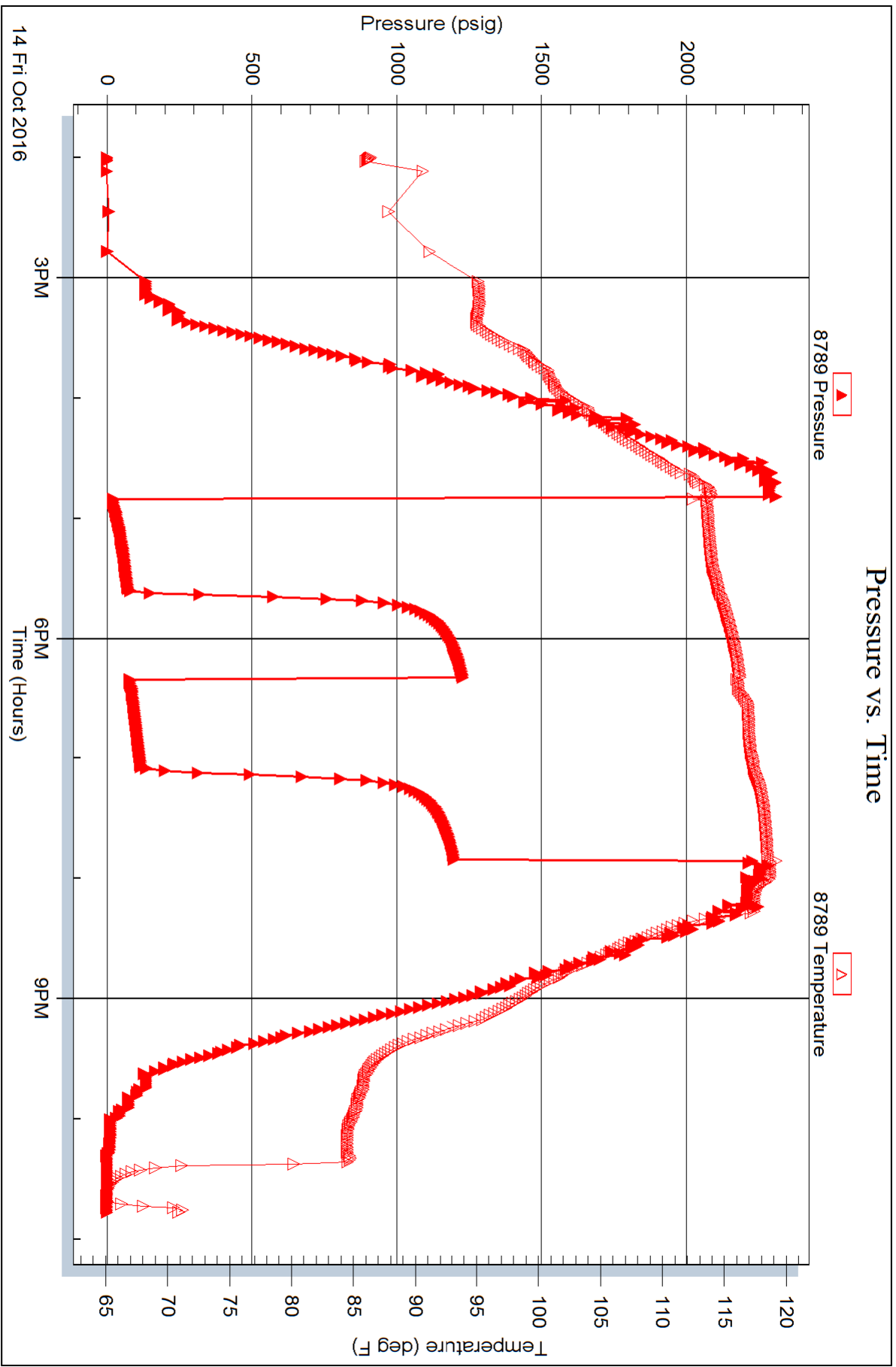
Serial #: 8789

Inside

American Warrior Inc

OBrate FLB #2-29

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63004

Well Name & No. O'Brate FLB 2-29 Test No. 1 Date 10-13-16
 Company American Warriors Inc Elevation 2855 KB 2844 GL
 Address 3118 Cummings Rd Box 399 Garden City KS 67846
 Co. Rep / Geo. Luke Thompson Rig Duke 5
 Location: Sec. 29 Twp. 25^s Rge. 31^w Co. FINNEN State KS

Interval Tested 4468-4535 Zone Tested Marmaton
 Anchor Length 67 Drill Pipe Run 4200 Mud Wt. 9.35
 Top Packer Depth 4463 Drill Collars Run 248 Vis 50
 Bottom Packer Depth 4468 Wt. Pipe Run 0 WL 8.8
 Total Depth 4535 Chlorides 1800 ppm System LCM 2

Blow Description IFP- BOB in 9 1/2 min.
ISIP- Surface Blow in 3 min. ~~XXXXXXXXXXXXXXXXXXXX~~
FFP- BOB in 45 sec.
FSIP- Surface Blow Building to 1 3/4 in. In 5 min

Rec	Feet of	%gas	%oil	%water	%mud
62	20cm	70	15	15	
62	20cm	15	25	60	
62	20cm	40	10	50	
14	0cm		5	95	

Rec Total 200 BHT 117 Gravity (434 MIP) API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2249
 (B) First Initial Flow 25
 (C) First Final Flow 75
 (D) Initial Shut-In 1130
 (E) Second Initial Flow 83
 (F) Second Final Flow 113
 (G) Final Shut-In 1178
 (H) Final Hydrostatic 2185

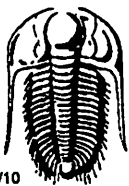
Test 1150 T-On Location 11:25
 Jars 250 T-Started 12:21
 Safety Joint 75 T-Open 14:38
 Circ Sub T-Pulled 17:23
 Hourly Standby T-Out 20:20

Mileage 336 RT 105 rt Comments _____
 Sampler 78.75 _____
 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1553.75 MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 60

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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63005

Well Name & No. O'Brate FLB 2-29 Test No. 2 Date 10-14-16
 Company American Warrior Inc. Elevation 2855 KB 2844 GL
 Address 3118 Cummings Rd Box 399 Garden City KS 67846
 Co. Rep / Geo. Luke Thompson Rig Duke 5
 Location: Sec. 29 Twp. 25^s Rge. 31^w Co. Finney State KS

Interval Tested 4602-4635 Zone Tested Ft. Scott
 Anchor Length 33 Drill Pipe Run 4357 Mud Wt. 9.45
 Top Packer Depth 4597 Drill Collars Run 248 Vis 55
 Bottom Packer Depth 4602 Wt. Pipe Run 0 WL 7.6
 Total Depth 4635 Chlorides 2300 ppm System LCM 2

Blow Description IFP - Surface Blow Building to 2 1/2 in.
ISIP - No Blow
FFP - Surface Blow in 14 min. Building to 1 in.
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>225</u>	<u>Oil Speck MCW</u>		<u>65</u>	<u>35</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 225 BHT 118 Gravity _____ API RW 170 @ 68 °F Chlorides 42000 ppm
 (A) Initial Hydrostatic 2324 Test 1150 T-On Location 13:15
 (B) First Initial Flow 19 Jars 250 T-Started 14:00
 (C) First Final Flow 75 Safety Joint 75 T-Open 16:50
 (D) Initial Shut-In 1231 Circ Sub _____ T-Pulled 19:50
 (E) Second Initial Flow 82 Hourly Standby _____ T-Out 22:47
 (F) Second Final Flow 120 Mileage 78.75 Comments _____
 (G) Final Shut-In 1201 Sampler _____
 (H) Final Hydrostatic 2206. Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1553.75
 Sub Total 1553.75
 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.

O'Brate-FLB #2-29

493' FNL & 439' FWL

Sec 29, T25s, R31w

Finney County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
O'Brate-FLB #2-29
493' FNL & 439' FWL
Sec. 29, T25s, R31w
Finney County, Kansas
API # 15-055-22440-00-00

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Luke Thompson

Spud Date: October 6, 2016

Completion Date: October 18, 2016

Elevation 2844' G.L.
2855' K.B.

Directions: From the intersection of Highway 50 and Main St. in Pierceville, KS, go 3.8 miles south to Parallel Rd, go West 3 miles to trail, now go North 1.5 miles to white gate, go through gate and West 1 miles, go North about 2000', then east into location.

Casing: 1660' 8 5/8" #23 Surface Casing
5023' 5 1/2" #15.5 Production Casing

Samples: 3900' to RTD 10' Wet & Dry

Drilling Time: 3800' to RTD

Electric Logs: Pioneer Energy Services "J. Long"
Stack Micro

Drillstem Tests: Two-Trilobite Testing "Jim Svaty"

Problems: none encountered

Formation Tops

O'Brate-FLB #2-29

Sec. 29, T25s, R31w

493' FNL & 439' FWL

Anhydrite	1856' +999
Base	1924' +931
Heebner	3932' -1077
Lansing	3982' -1127
Stark	4357' -1502
Bkc	4479' -1624
Marmaton	4502' -1647
Pawnee	4584' -1729
Fort Scott	4611' -1756
Cherokee	4622' -1767
Morrow	4776' -1921
Miss	4800' -1945
RTD	5050' -2195
LTD	5050' -2195

Sample Zone Descriptions

Marmaton (4505', -1650): Covered in DST #1

Limestone, cream, sub to fine crystalline, chalky, slightly oolitic, poor, pinpoint vuggy porosity, very strong odor, slight show of free oil in porosity, poor to fair stream cut. Gas 100 units hotwire.

Fort Scott (4628', -1773): Covered in DST #2

Limestone, tan/cream, fine-sub crystalline, sub oolitic fossil hash, slightly chalky, slight odor, very poor fracture porosity, very slight show of free oil in porosity, fair stream cut. Gas 90 units hotwire.

Pawnee (4590', -1735): Not Covered in DST

Limestone, cream/white, sub crystalline oolitic packstone, chalky, tight, very slight odor, poor oolitic porosity, poor show of free oil in porosity, poor slow stream cut. Gas 75 units hotwire.

Atoka (4760', -1905): Not Covered in DST

Limestone, cream, fine crystalline, very slight odor, poor fracture & pinpoint vuggy porosity, very slight show of free oil in porosity, slow string cut. Gas 95 units hotwire.

Drill Stem Tests

Trilobite Testing

“Jim Svaty”

DST #1

Marmaton

Interval (4468' – 4535') Anchor Length 67'

IHP - 2250 #

IFP - 30" – BOB in 9 min

ISI - 45" – WSB in 3 min

FFP - 30" – BOB 45 sec

FSIP - 60" – built to 1 3/4" in 5 min

FHP - 2185 #

BHT - 117° F

Recovery: 434' GIP

62' GCOM 10% O

62' GOCM 15% O

62' GOCM 25% O

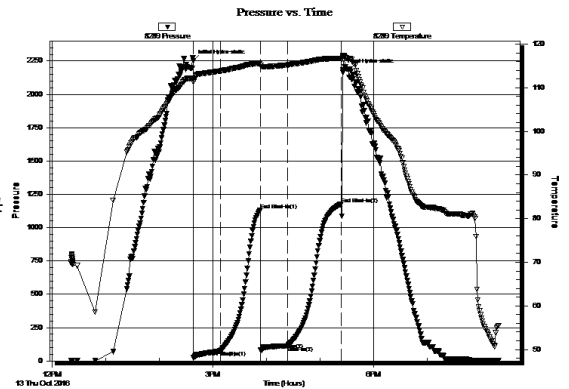
14' OCM 5% O

25-75#

1131#

83-113#

1178#



DST #1

Fort Scott

Interval (4602' – 4635') Anchor Length 33'

IHP - 2325 #

IFP - 45" – built to 2 1/2"

ISI - 45" – No return

FFP - 45" – WSB in 14 min built to 1"

FSIP - 45" – No return

FHP - 2206 #

BHT - 119° F

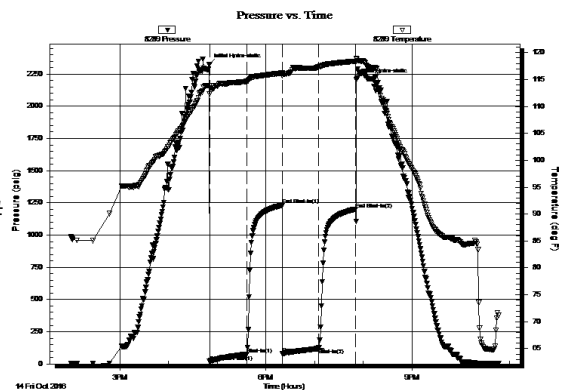
Recovery: 225' OSMCW

19-75#

1232#

83-120#

1201#



Structural Comparison

	American Warrior, Inc. O'Brate-FLB #2-29 Sec. 29, T25s, R31w 493' FNL & 439' FWL		American Warrior, Inc. O'Brate-FLB #1-29 Sec. 29, T25s, R31w 1626' FNL & 1890' FWL		American Warrior, Inc. O'Brate-Beach #1-22 Sec. 22, T25s, R31w 975' FSL & 1980' FEL
Formation					
Heebner	3932' -1077	+7	3932' -1084	+45	3931' -1122
Lansing	3982' -1127	+3	3978' -1130	+44	3980' -1171
Stark	4357' -1502	+10	4360' -1512	+43	4354' -1545
BKC	4479' -1624	+10	4482' -1634	+43	4476' -1667
Marmaton	4502' -1647	+9	4504' -1656	+38	4494' -1685
Pawnee	4584' -1729	+5	4582' -1734	+34	4572' -1763
Fort Scott	4611' -1756	+5	4609' -1761	+33	4598' -1789
Cherokee	4622' -1767	+7	4622' -1774	+38	4614' -1805
Morrow	4776' -1921	+5	4774' -1926	+32	4762' -1953
Miss	4800' -1945	+1	4794' -1946	+16	4770' -1961

Summary

The location for the O'Brate-FLB #2-29 well was found via 3-D seismic survey. The new well ran structurally as expected. Two drill stem test were conducted, one of which recovered commercial quantities of oil. After all the gathered data had been examined, the decision was made to run 5 1/2" casing to further evaluate the O'Brate-FLB #2-29 well.

Perforations

Primary:	Marmaton	(4532' – 4536')
	Marmaton	(4567' – 4570')
Secondary:	Pawnee	(4586' – 4592')
	Fort Scott	(4615' – 4617')

Before Abandonment:	Atoka	(4757' – 4761')
	Miss	(4980' – 4984')

Respectfully Submitted,

Lukas Thompson
American Warrior, Inc.



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

TICKET 29680

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>Ness City, Ks</u>	WELL/PROJECT NO. <u>2-29</u>	LEASE <u>O'BRATE FLB</u>	COUNTY/PARISH <u>FINNEY</u>	STATE <u>Ks</u>	CITY	DATE <u>10-8-16</u>	OWNER <u>SAME</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>DUKE DRIG #5</u>	RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>LOGGIZON</u>	ORDER NO.	
3.	WELL TYPE <u>OIL</u>	WELL CATEGORY <u>DEVELOPMENT</u>	JOB PURPOSE <u>8 5/8" SURFACE</u>	WELL PERMIT NO.	WELL LOCATION <u>SW/PEERCEVILLE, Ks</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
575		1			MILEAGE #112	100	ME		5.00	500.00
576D		1			PUMP CHARGE - DEEP SURFACE	1	JOB	1660	FT	1250.00
221		1			LIQUID KCL	2	GAL		25.00	50.00
281		1			MUDFLOSH	500	GAL		1.25	625.00
290		1			D-ADR	10	GAL		42.00	420.00
400		1			GUIDE SHOE	1	EA	8 5/8"	400.00	400.00
409		1			TURBOIZERS	3	EA		95.00	285.00
410		1			TOP PLUG	1	EA		120.00	120.00
412		1			BAFFLE PLATE	1	EA		110.00	110.00

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 Remed Wilson
 DATE SIGNED 10-8-16 TIME SIGNED 0930
 A.M.
 P.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	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				#1	3760.00
WE UNDERSTOOD AND MET YOUR NEEDS?				#2	14031.56
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Finney TAX	17791.56
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				7.65%	963.23
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO			TOTAL	18734.79
<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 Wayne Wilson

APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. **29680**

CUSTOMER **AMERICAN WARRIOR INC** WELL **O'BRIEN FLB 2-29** DATE **10-8-16** PAGE **2** OF **2**

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF									
330		1				SWIFT MULTI-DESKY STALLARD	650	SKS			15.75	10237.50	
276		1				FLOCELF	175	LBS			2.25	393.75	
581		1				SERVICE CHARGE				CUBIC FEET			
											650	1.50	975.00
583		1				MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES		TON MILES			
							64675	100		3233.75		175	2425.31

CONTINUATION TOTAL **14031.56**

JOB LOG

SWIFT Services, Inc.

DATE 10-8-16 PAGE NO. 1

CUSTOMER AMERICAN WARRIOR Inc. WELL NO. 2-29 LEASE O'BRATE FLB JOB TYPE 8 5/8" SURFACE TICKET NO. 29680

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0930							ON LOCATION
	1115							START 8 5/8" CASING
								TD-1670 SETe 1660
								TP-1660 8 5/8" 23
								ST-40'
								TURBIDIZERS-1, 5, 10
	1315							BREAK CIRCULATION
	1325	6	12		✓		400	PUMP 500 GAL MUDFLUSH
	1327	6	20		✓		400	PUMP 20 BBS KCL-FLUSH
	1330	6	69		✓			Mix CEMENT - 150 SKS SMD @ 11.8 PPG
		6	115		✓			300 SKS SMD @ 12.5 PPG
		6	31		✓			100 SKS SMD @ 13.5 PPG
		5	26		✓			100 SKS SMD @ 14.5 PPG
	1425	6 6 1/2						RELEASE PLUG
	1425	6 1/2	0		✓			DISPLACE PLUG
	1445	5	103.7				400	PLUG DOWN - SHOT IN
								CIRCULATED 10 SKS CEMENT TO PET
								WASH TRUCK
	1530							JOB COMPLETE

THANK YOU
WAYNE, DAVE K., PRESTON, JOHN



CHARGE TO: American Warrior

ADDRESS

CITY, STATE, ZIP CODE

TICKET 29753

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>Ness City KS</u>	WELL/PROJECT NO. <u>2-29</u>	LEASE <u>OBrate F&B</u>	COUNTY/PARISH <u>Finney</u>	STATE <u>KS</u>	CITY <u>Piercerille</u>	DATE <u>17 Oct 16</u>	OWNER
2. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO. <u>5</u>	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>location</u>	ORDER NO.		
3. WELL TYPE <u>oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>cement long string</u>	WELL PERMIT NO.	WELL LOCATION <u>29-25-31</u>			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE	100		Mi		5 ⁰⁰	500 ⁰⁰
578		1			Pump Charge	1		ea		1250 ⁰⁰	1250 ⁰⁰
402		1			Centralizers	52		in	71ea	60 ⁰⁰	420 ⁰⁰
403		1			Cement Basket	52		in	1ea	250 ⁰⁰	250 ⁰⁰
906		1			Latch Down Plug & Baffle	52		in	1ea	225 ⁰⁰	225 ⁰⁰
407		1			Insert float shoe w/ AUTO FILL	52		in	1ea	300 ⁰⁰	300 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

TIME SIGNED

A.M.
 P.M.
5:45

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	2945 ⁰⁰
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				5707 ¹³	
WE UNDERSTOOD AND MET YOUR NEEDS?				8652 ¹³	
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	9097 ⁰⁹

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

SWIFT OPERATOR Bill APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 29753

CUSTOMER *American Warrior* WELL *OBRAFE FLB 2-29* DATE *17 OCT 16* PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				UNIT PRICE		AMOUNT	
		LOC	ACCT	DF			QTY	U/M	QTY	U/M				
325		1				STANDARD cement (for SA-2)	200	sk			12.25	2450.00		
284		1				calseal	1000	lb	10	sk	30.00	300.00		
283		1				salt	1000	lb			0.20	200.00		
292		1				halad-322	100	lb			8.00	800.00		
276		1				Flacole	50	lb			2.25	112.50		
290		1				D-AIR	2	gal			42.00	84.00		
281		1				mudFlush	500	gal			1.25	625.00		
221		1				KCL liquid	2	gal			25.00	50.00		
581		1				SERVICE CHARGE					1.50	300.00		
583		1				MILEAGE CHARGE	TOTAL WEIGHT 20950	LOADED MILES 100	TON MILES 1047.5		0.75	785.63		

CONTINUATION TOTAL 5707.13

JOB LOG

SWIFT Services, Inc.

DATE: 17 OCT 10 PAGE NO.

CUSTOMER: American Warrior WELL NO. 2-29 LEASE OPERATE FLS JOB TYPE cement long string TICKET NO. 29753

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								200 sk EA-2 EA-2 cement w/ #4 floccule 5 1/2" x 15.5" casing 19 jts 5023' TD = 5050 Sheet 42.11 Centralizers 1, 3, 4, 5, 7, 9, 11, 13, 16 Basket # 2
	0948							on loc TRK lift
	0953							start 5 1/2" x 15.5" casing in well
	1245							Drop ball - circulate
	1330	3 1/2	12				200	Pump 500 gal multiflush
		3 1/2	20				200	Pump 20 bbl RCL flush
			7					Plug RH - MH 30sk - 20sk
	1348	5	36				200	Mix EA-2 cement 150sk @ 15.3ppg
								Drop /atch down plug wash out pump & line
	1409	6					200	Displace plug
		6	112				800	
	1430	6	119				1500	Land plug
								Release pressure to truck - dried of
	1433							wash truck
								Back up
	1510							job complete
								Trunks
								Blaine, Pirt, & ISAAC