

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](mailto: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 - BEACH 1-22
Doc ID	1318905

Tops

Name	Top	Datum
Anhy	1827	+982
Heebner	3931	-122
Lansing	3980	-1171
B/KC	4476	-1667
Marmaton	4494	-1685
Pawnee	4572	-1763
Ft.Scott	4598'	-1789
Cherokee	4614	-1805
Morrow	4762	-1953
St.Gen	4770	-1961

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	O'BRATE - BEACH 1-22
Doc ID	1318905

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	4603'to 4607		
	4893'CIBP		
4	4913'to 4938		





CHARGE TO: **AMERICAN WARRIOR**

ADDRESS

CITY, STATE, ZIP CODE

TICKET 29572

PAGE 1 OF 2

1. SERVICE LOCATIONS <b>Ness City, KS</b>	WELL/PROJECT NO. <b>1-22</b>	LEASE <b>OBRATE-BEACH</b>	COUNTY/PARISH <b>FINNEY</b>	STATE <b>KS</b>	CITY <b>PIERCEVILLE, KS</b>	DATE <b>31Aug16</b>	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <b>DUKE DRILLING RIG #1</b>	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	WELL TYPE <b>OIL</b>	WELL CATEGORY <b>DEVELOPMENT</b>	JOB PURPOSE <b>CEMENT 8 5/8</b>	WELL PERMIT NO.	WELL LOCATION <b>135, 1W, S I TO</b>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE #115	100	MIL			5.00	500.00
576B					Pump CHARGE	1	JOB			1250.00	1250.00
409					CENTRALIZERS-TURBO	3	EA.			95.00	285.00
400					GUIDE SHOE	1	EA.			350.00	350.00
412					BAFFLE PLATE.	1	EA.			110.00	110.00
410					TOP PLUG	1	EA.			120.00	120.00
281					MUD FLUSH	500	PPH			1.25	625.00
221					KCL	2	PPH			25.00	50.00

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X  
DATE SIGNED **31Aug16** TIME SIGNED **0200**  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	3290.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				14218	608
WE UNDERSTOOD AND MET YOUR NEEDS?				17508	608
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	18454.13

Finney TAX CO. 7.65%



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

TICKET CONTINUATION

TICKET No. 29572

CUSTOMER AMERICAN WARRIOR WELLS OBRATE-BEACH-22 DATE 31 AUG 16 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELLS		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M		
276						FLOCELE	165	lbs	2 <sup>25</sup>	371 <sup>25</sup>
290						D-AIR	5	sq ft	42 <sup>00</sup>	210 <sup>00</sup>
330						SMD CEMENT	650	sq ft	15 <sup>75</sup>	10237 <sup>50</sup>
581						SERVICE CHARGE		CUBIC FEET	1 <sup>50</sup>	975 <sup>00</sup>
583						MILEAGE CHARGE	646.5	TON MILES	75	2424 <sup>95</sup>
						TOTAL WEIGHT	100	LOADED MILES		

CONTINUATION TOTAL 14,218<sup>00</sup>

JOB LOG

SWIFT Services, Inc.

DATE 31 AUG 16 PAGE NO.

CUSTOMER AMERICAN WARRIOR

WELL NO.

LEASE OBRATE BEACH 1-22

JOB TYPE CEMENT 8 5/8

TICKET NO. 29572

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1630							ON LOCATION
	2130							START PIPE 8 5/8-24" RTD @ 1700 CENTRALIZERS 5, 16, 30
	2312				✓			CIRCULATE.
	2334	6	12		✓		400	Pump 500 gal mud FLUSH
		6	20.		✓			Pump 20 Bbl KCL SPACER
	2340	6	68		✓			MIX 150 sx @ 11.8 pp6.
		6	113		✓			MIX 300 sx @ 12.5 pp6.
		4	31		✓			MIX 100 sx @ 13.5 pp6.
		4	26		✓			MIX 100 sx @ 14.5 pp6
	0101	6						RELEASE PLUG - START DISPLACING
	D131	8	105		✓		1000	PLUG DOWN - SHUT WELL IN.
								CIRCULATE 125 sx TO PIT
	0135							WASH TRUCK
								JOB COMPLETE.
								THANKS #115
								JASON FLINT PRESTON ISAM





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

TICKET 29335

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>Ness City, Ks</u>	WELL/PROJECT NO. <u>1-22</u>	LEASE <u>O'BRATE-BEACH</u>	COUNTY/PARISH <u>FINNEY</u>	STATE <u>Ks</u>	CITY	DATE <u>9-9-16</u>	OWNER <u>SAME</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Duke Drilg #1</u>	RIG NAME/NO.	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>5 1/2" LONGSTRING</u>	WELL PERMIT NO.	WELL LOCATION <u>S/ Pierceville, Ks.</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 # 112	90		ME		5.00	450.00
578		1			PUMP CHARGE	1		JOB	5050 FT	1250.00	1250.00
221		1			LIQUID KCL	2		Gal		25.00	50.00
281		1			MUDFLUSH	500		Gal		1.25	625.00
402		1			CENTRALIZERS	9		EA	5 1/2"	60.00	540.00
403		1			CEMENT BASKET	1		EA		250.00	250.00
406		1			LATCH DOWN PLUG + BAFFLE	1		EA		225.00	225.00
407		1			INSERT FLOAT SHOE w/AUTO FILL	1		EA		300.00	300.00

**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 Mike Adley  
 DATE SIGNED 9-9-16 TIME SIGNED 0200  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 #1	3690.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				#2	4767.22
WE UNDERSTOOD AND MET YOUR NEEDS?				Finney TAX	8457.22
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				(0-7-1530)	449.53
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	8906.75
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO					
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					



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

TICKET CONTINUATION

TICKET No. 29335

CUSTOMER: AMERICAN WARRIOR INC  
WELL: OBRATE - BEACH 1-22  
DATE: 9-9-16  
PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF			QTY	U/M	QTY	U/M			
325		1				STANDARD CEMENT	175	SKS			12.25	2143	75
276		1				FLOCELE	50	LBS			2.25	112	50
283		1				SALT	900	LBS			20	180	00
284		1				CALSEAL	8	SKS	800	LBS	30.00	240	00
292		1				HALAD-322	125	LBS			8.00	1000	00
290		1				D-ADR	5	GAL			42.00	210	00
581		1				SERVICE CHARGE							
583		1				MILEAGE CHARGE							
						TOTAL WEIGHT	18325						
						LOADED MILES	90						
						CUBIC FEET	175				1.50	262	50
						TON MILES	824.63				.75	618	47

CONTINUATION TOTAL 4767.22

JOB LOG

SWIFT Services, Inc.

DATE 9-9-16 PAGE NO. 1

CUSTOMER AMERICAN WARRIOR INC WELL NO. 1-22 LEASE O'BRAE - BEACH JOB TYPE 5 1/2" LONGSTRENG TICKET NO. 29335

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0200							ON LOCATION
	0230							START 5 1/2" CASING IN WELL
								TD - 5050 SETC 5048
								TP - 5054' 5 1/2" 15.5
								SJ - 21'
								CENTRALIZERS - 1, 3, 5, 7, 9, 11, 13, 15, 17
								CNT BSKT - 6
	0510							DROP BALL - CIRCULATE
	0543	6	12		✓		500	PUMP 500 GAL MUD FLUSH
	0545	6	20		✓		500	PUMP 20 BBL KCL - FLUSH
	0550		7-5					PLUG RH (30 SKS) MH (20 SKS)
	0558	4 1/2	30		✓		250	MAX CEMENT - 125 SKS EA-2 @ 15.5 PAG
	0605							WASH OUT PUMP - LINES
	0605							RELEASE LATCH DOWN PLUG
	0610	7	0		✓			DISPLACE PLUG
		7	115				750	
	0627	6	119.8				1500	PLUG DOWN - PSE UP LATCH IN PLUG
	0630							OK RELEASE PSE - HEAD
								WASH TRUCK
	0730							JOB COMPLETE

THANK YOU  
WAYNE, DAVE K., PRESTON



## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

3118 Cummings Rd  
Garden City, KS 67846

ATTN: Kevin Timson

### **O'Brate- Beach #1-22**

### **22-25s-31w Finney,KS**

Start Date: 2016.09.05 @ 17:01:52

End Date: 2016.09.06 @ 00:13:52

Job Ticket #: 65509                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.09.08 @ 08:44:54



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

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

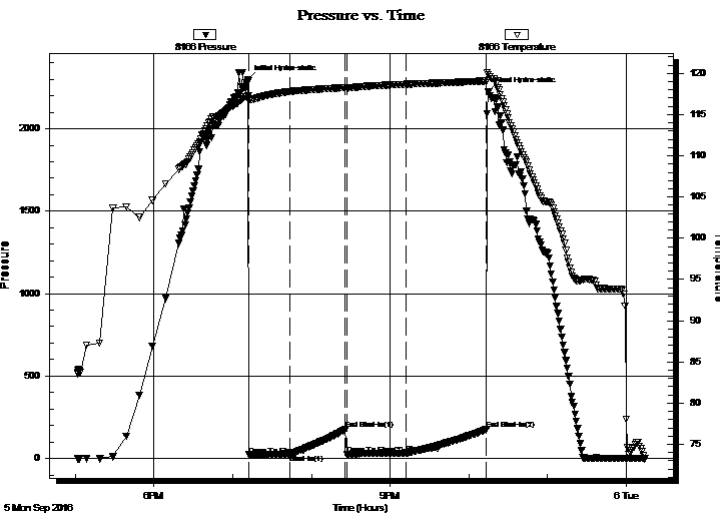
**22-25s-31w Finney, KS**  
**O'Brate- Beach #1-22**  
Job Ticket: 65509 **DST#: 1**  
Test Start: 2016.09.05 @ 17:01:52

## GENERAL INFORMATION:

Formation: **Marmaton A**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 19:12:22  
Time Test Ended: 00:13:52  
Interval: **4460.00 ft (KB) To 4531.00 ft (KB) (TVD)**  
Total Depth: 4531.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Brandon Turley  
Unit No: 79  
Reference Elevations: 2809.00 ft (KB)  
2797.00 ft (CF)  
KB to GR/CF: 12.00 ft

**Serial #: 8166 Outside**  
Press@RunDepth: 32.27 psig @ 4461.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2016.09.05 End Date: 2016.09.06 Last Calib.: 2016.09.06  
Start Time: 17:01:57 End Time: 00:13:51 Time On Btm: 2016.09.05 @ 19:11:22  
Time Off Btm: 2016.09.05 @ 22:14:52

TEST COMMENT: IF: BOB in 28 min.  
IS: No return.  
FF: BOB in 12 min.  
FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2296.90	117.27	Initial Hydro-static
1	21.95	116.64	Open To Flow (1)
33	25.67	117.80	Shut-In(1)
75	175.44	118.27	End Shut-In(1)
76	25.19	118.23	Open To Flow (2)
121	32.27	118.68	Shut-In(2)
182	176.11	119.08	End Shut-In(2)
184	2225.85	119.86	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
40.00	ocm 10%o 90%m	0.56
0.00	461 GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

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

**22-25s-31w Finney, KS**

**O'Brate- Beach #1-22**

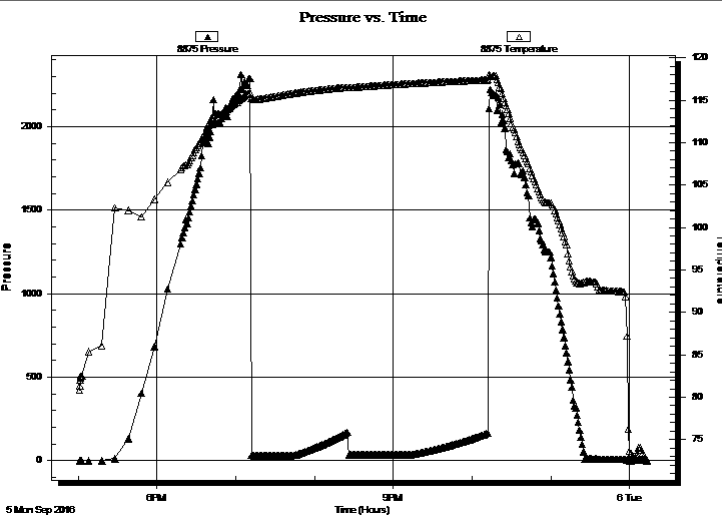
Job Ticket: 65509      **DST#: 1**  
Test Start: 2016.09.05 @ 17:01:52

**GENERAL INFORMATION:**

Formation:      **Marmaton A**  
Deviated:      No      Whipstock:           ft (KB)      Test Type:      Conventional Bottom Hole (Initial)  
Time Tool Opened: 19:12:22      Tester:      Brandon Turley  
Time Test Ended: 00:13:52      Unit No:      79  
**Interval:      4460.00 ft (KB) To      4531.00 ft (KB) (TVD)**      Reference Elevations:      2809.00 ft (KB)  
Total Depth:      4531.00 ft (KB) (TVD)      2797.00 ft (CF)  
Hole Diameter:      7.88 inches      Hole Condition:      Good      KB to GR/CF:      12.00 ft

**Serial #: 8875      Inside**  
Press@RunDepth:           psig @      4461.00 ft (KB)      Capacity:      8000.00 psig  
Start Date:      2016.09.05      End Date:      2016.09.06      Last Calib.:      2016.09.06  
Start Time:      17:01:05      End Time:      00:12:59      Time On Btm:  
Time Off Btm:

**TEST COMMENT:** IF: BOB in 28 min.  
IS: No return.  
FF: BOB in 12 min.  
FS: No return.



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

Recovery		
Length (ft)	Description	Volume (bbl)
40.00	ocm 10%o 90%m	0.56
0.00	461 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  
3118 Cummings Rd  
Garden City, KS 67846  
ATTN: Kevin Timson

**22-25s-31w Finney,KS**  
**O'Brate- Beach #1-22**  
Job Ticket: 65509 **DST#: 1**  
Test Start: 2016.09.05 @ 17:01:52

## Tool Information

Drill Pipe:	Length: 4445.00 ft	Diameter: 3.80 inches	Volume: 62.35 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: 62.35 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4460.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	71.00 ft			
Tool Length:	98.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Stubb	1.00			4434.00	
Shut In Tool	5.00			4439.00	
Hydraulic tool	5.00			4444.00	
Jars	5.00			4449.00	
Safety Joint	2.00			4451.00	
Packer	5.00			4456.00	27.00 Bottom Of Top Packer
Packer	4.00			4460.00	
Stubb	1.00			4461.00	
Recorder	0.00	8875	Inside	4461.00	
Recorder	0.00	8166	Outside	4461.00	
Perforations	1.00			4462.00	
Change Over Sub	1.00			4463.00	
Drill Pipe	62.00			4525.00	
Change Over Sub	1.00			4526.00	
Bullnose	5.00			4531.00	71.00 Bottom Packers & Anchor

**Total Tool Length: 98.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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

**22-25s-31w Finney, KS**  
**O'Brate- Beach #1-22**  
Job Ticket: 65509      **DST#: 1**  
Test Start: 2016.09.05 @ 17:01:52

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2800.00 ppm			
Filter Cake: 1.00 inches			

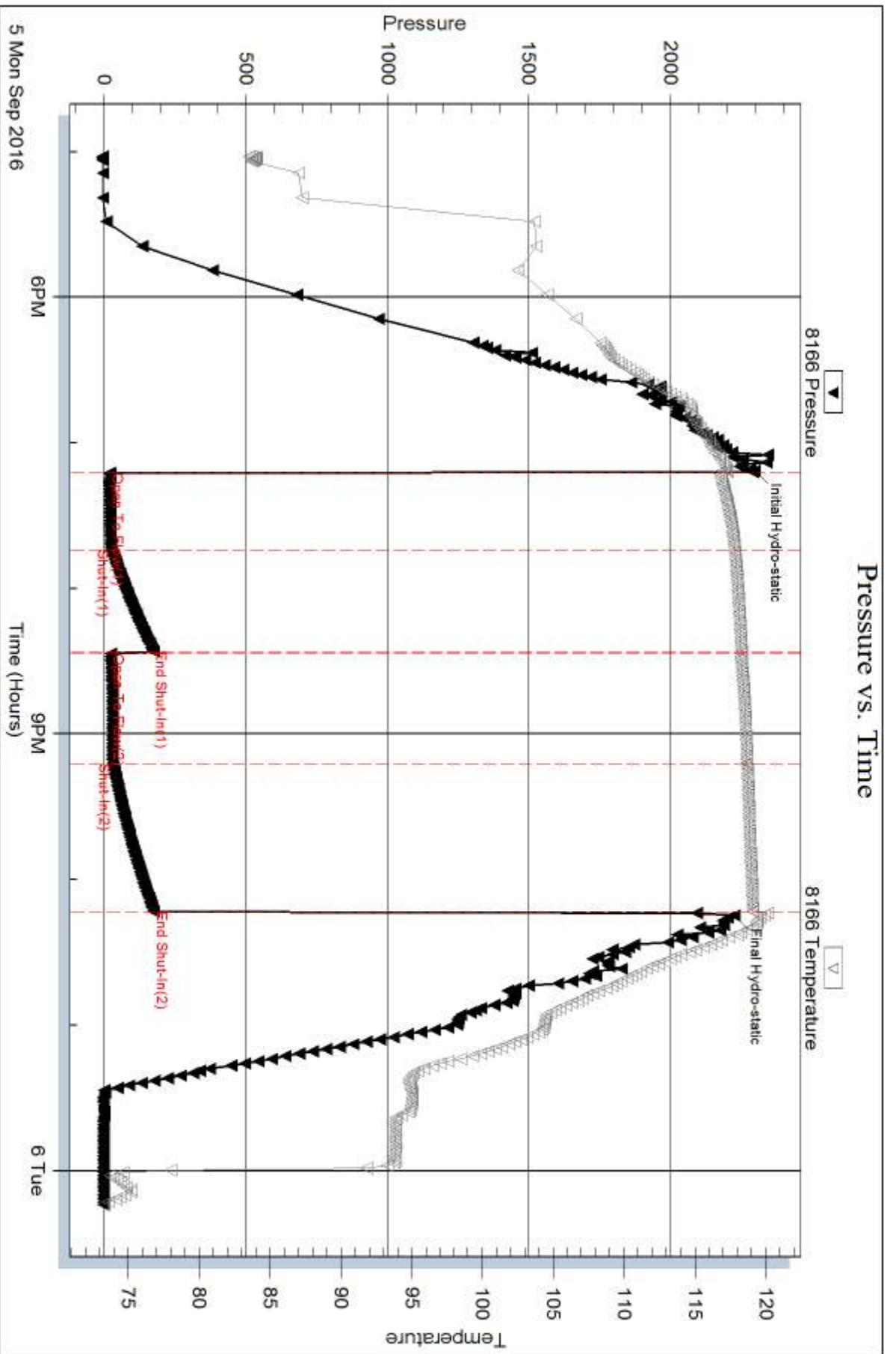
## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	ocm 10%o 90%m	0.561
0.00	461 GIP	0.000

Total Length: 40.00 ft      Total Volume: 0.561 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:





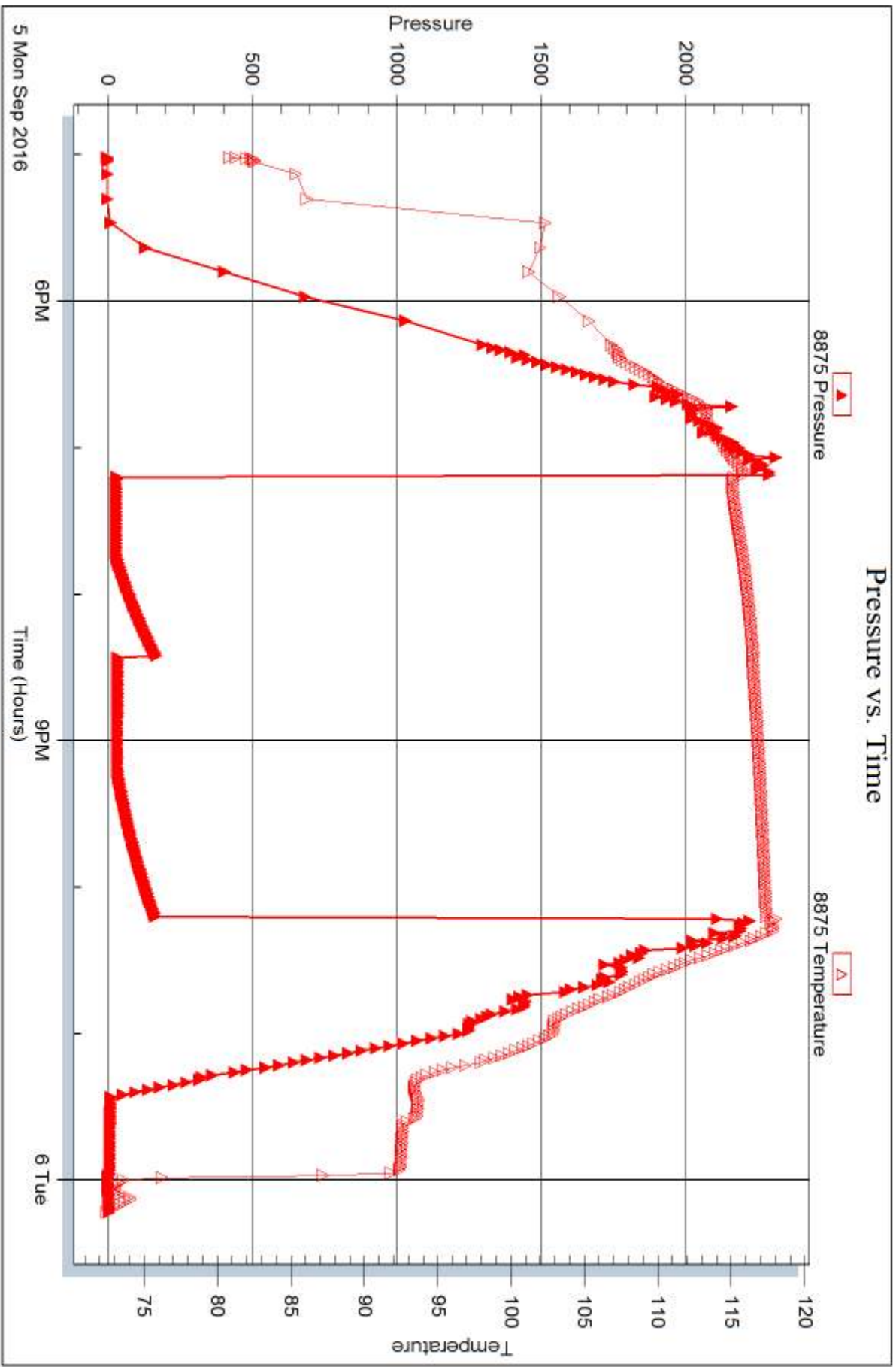
Serial #: 8875

Inside

American Warrior Inc

OBrate- Beach #1-22

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 65509

Printed: 2016.09.08 @ 08:44:56



## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

3118 Cummings Rd  
Garden City, KS 67846

ATTN: Kevin Timson

### **O'Brate- Beach #1-22**

### **22-25s-31w Finney,KS**

Start Date: 2016.09.06 @ 10:24:10

End Date: 2016.09.06 @ 17:56:10

Job Ticket #: 65510                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.09.08 @ 08:44:12



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

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

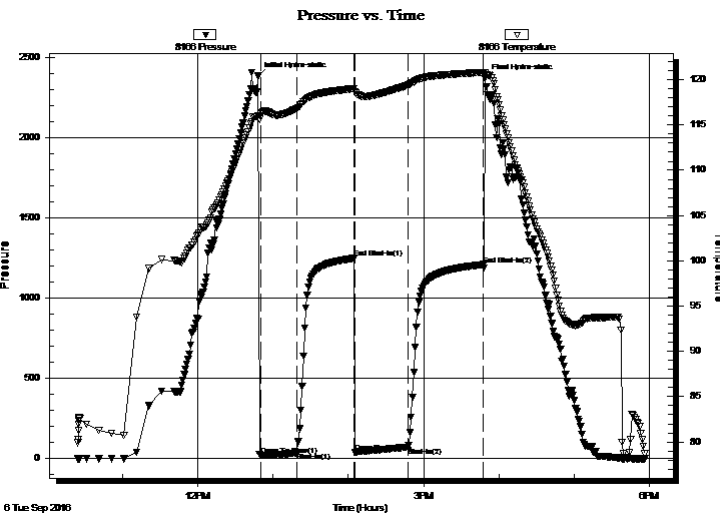
**22-25s-31w Finney, KS**  
**O'Brate- Beach #1-22**  
Job Ticket: 65510 **DST#: 2**  
Test Start: 2016.09.06 @ 10:24:10

## GENERAL INFORMATION:

Formation: **Pawnee**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 12:50:10  
Time Test Ended: 17:56:10  
Interval: **4570.00 ft (KB) To 4586.00 ft (KB) (TVD)**  
Total Depth: 4586.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Brandon Turley  
Unit No: 79  
Reference Elevations: 2809.00 ft (KB)  
2797.00 ft (CF)  
KB to GR/CF: 12.00 ft

**Serial #: 8166 Outside**  
Press@RunDepth: 71.88 psig @ 4571.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2016.09.06 End Date: 2016.09.06 Last Calib.: 2016.09.06  
Start Time: 10:24:15 End Time: 17:56:09 Time On Btm: 2016.09.06 @ 12:48:10  
Time Off Btm: 2016.09.06 @ 15:49:10

**TEST COMMENT:** IF: BOB in 3 mins.  
IS: Surface blow built to 1 in 45 min.  
FF: BOB in 30 sec.  
FS: BOB in 14 mins.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2383.91	116.06	Initial Hydro-static
2	18.07	116.26	Open To Flow (1)
31	36.95	116.84	Shut-In(1)
76	1247.92	119.02	End Shut-In(1)
77	39.24	118.65	Open To Flow (2)
120	71.88	119.41	Shut-In(2)
180	1209.61	120.81	End Shut-In(2)
181	2368.81	120.72	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
63.00	mcw 90%w 10%m	0.88
103.00	go 20%g 80%o	1.44
0.00	4126 GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

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

**22-25s-31w Finney, KS**

**O'Brate- Beach #1-22**

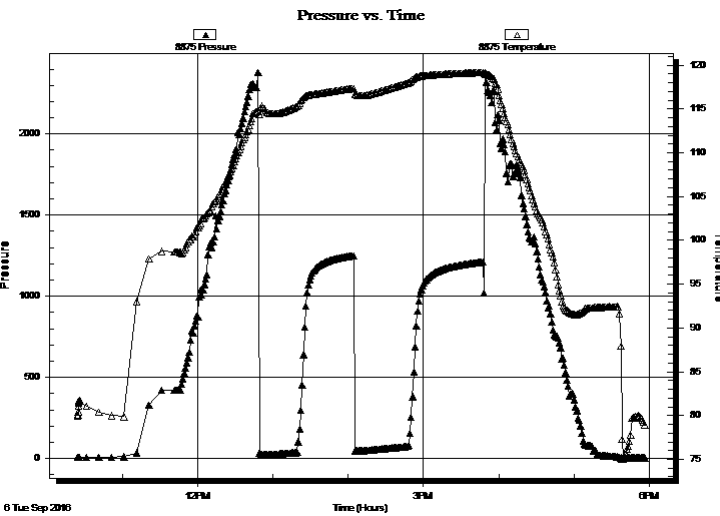
Job Ticket: 65510      **DST#: 2**  
Test Start: 2016.09.06 @ 10:24:10

## GENERAL INFORMATION:

Formation: **Pawnee**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 12:50:10  
Time Test Ended: 17:56:10  
  
Interval: **4570.00 ft (KB) To 4586.00 ft (KB) (TVD)**  
Total Depth: 4586.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Brandon Turley  
Unit No: 79  
  
Reference Elevations: 2809.00 ft (KB)  
2797.00 ft (CF)  
KB to GR/CF: 12.00 ft

**Serial #: 8875      Inside**  
Press@RunDepth:                      psig @ 4571.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2016.09.06      End Date: 2016.09.06      Last Calib.: 2016.09.06  
Start Time: 10:24:26      End Time: 17:56:20      Time On Btm:  
Time Off Btm:

TEST COMMENT: IF: BOB in 3 mins.  
IS: Surface blow built to 1 in 45 min.  
FF: BOB in 30 sec.  
FS: BOB in 14 mins.



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

Recovery		
Length (ft)	Description	Volume (bbl)
63.00	mcw 90%w 10%m	0.88
103.00	go 20%g 80%o	1.44
0.00	4126 GIP	0.00

\* 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

**22-25s-31w Finney,KS**

3118 Cummings Rd  
Garden City, KS 67846

**O'Brate- Beach #1-22**

Job Ticket: 65510

**DST#: 2**

ATTN: Kevin Timson

Test Start: 2016.09.06 @ 10:24:10

## Tool Information

Drill Pipe:	Length: 4568.00 ft	Diameter: 3.80 inches	Volume: 64.08 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 64.08 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4570.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	16.00 ft				
Tool Length:	43.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Stubb	1.00			4544.00	
Shut In Tool	5.00			4549.00	
Hydraulic tool	5.00			4554.00	
Jars	5.00			4559.00	
Safety Joint	2.00			4561.00	
Packer	5.00			4566.00	27.00 Bottom Of Top Packer
Packer	4.00			4570.00	
Stubb	1.00			4571.00	
Recorder	0.00	8875	Inside	4571.00	
Recorder	0.00	8166	Outside	4571.00	
Perforations	10.00			4581.00	
Bullnose	5.00			4586.00	16.00 Bottom Packers & Anchor

**Total Tool Length: 43.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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

**22-25s-31w Finney, KS**  
**O'Brate- Beach #1-22**  
 Job Ticket: 65510      **DST#: 2**  
 Test Start: 2016.09.06 @ 10:24:10

## Mud and Cushion Information

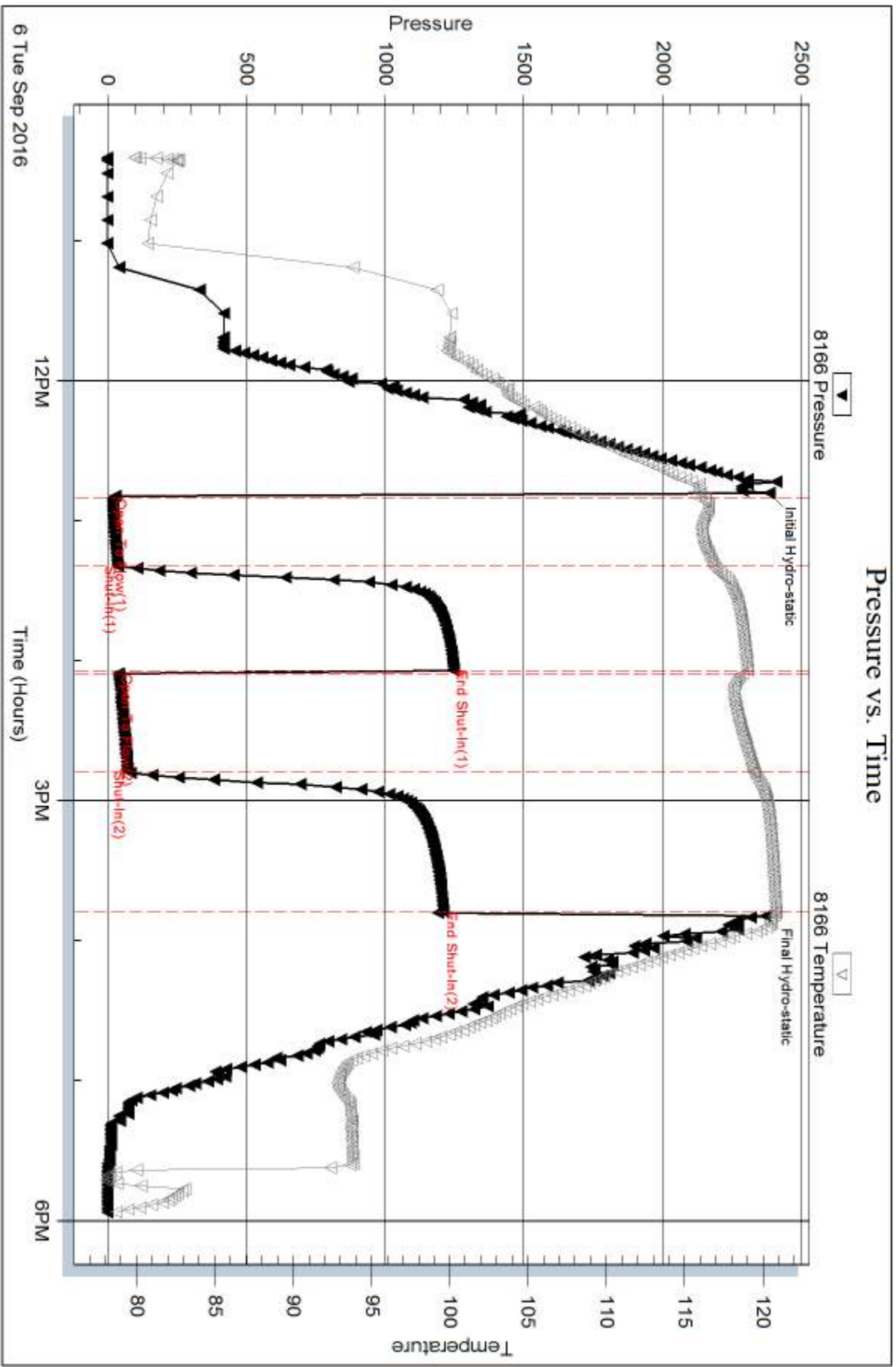
Mud Type: Gel Chem	Cushion Type:	Oil API: 30 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity: 26000 ppm
Viscosity: 64.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.19 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3500.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	mcw 90%w 10%m	0.884
103.00	go 20%g 80%o	1.445
0.00	4126 GIP	0.000

Total Length: 166.00 ft      Total Volume: 2.329 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: 33@90=30  
                                  .20@90=26000





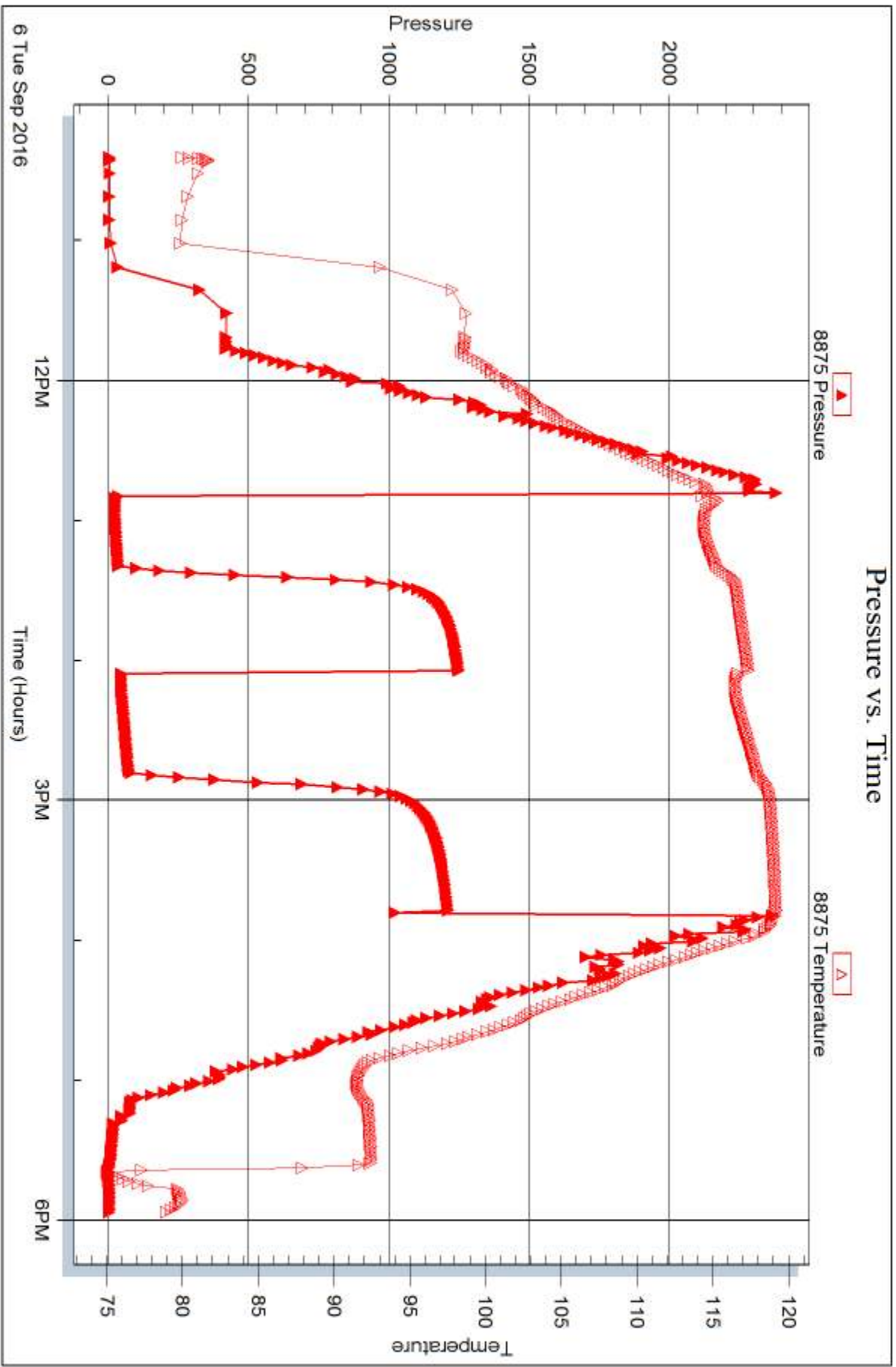
Serial #: 8875

Inside

American Warrior Inc

OBrate- Beach #1-22

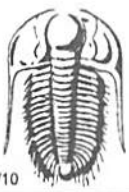
DST Test Number: 2



Triobite Testing, Inc

Ref. No: 65510

Printed: 2016.09.08 @ 08:44:14



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **65509**

Well Name & No. o Brate - Berch # 1-22 Test No. 1 Date 9-5-16  
 Company American Warrior Inc Elevation 2809 KB 2797 GL  
 Address 3118 Cummings Rd Garden City, KS 67846  
 Co. Rep / Geo. Kevin FIMSON Rig Duke #1  
 Location: Sec. 22 Twp. 25 Rge. 31 Co. Finney State KS

Interval Tested 4460 4531 Zone Tested Maxmorton A  
 Anchor Length 71 Drill Pipe Run 4445 Mud Wt. 9.5  
 Top Packer Depth 4455 Drill Collars Run — Vis 54  
 Bottom Packer Depth 4460 Wt. Pipe Run — WL 8.8  
 Total Depth 4531 Chlorides 2800 ppm System LCM 2

Blow Description IF: BoB in 28 min.  
IS: No return.  
FF: BoB in 12 min.  
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>ocm</u>	<u>10</u>		<u>90</u>	
	<u>461 GIP</u>				

Rec Total 40 BHT 119 Gravity — API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic <u>2296</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>16:00</u>
(B) First Initial Flow <u>21</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>17:01</u>
(C) First Final Flow <u>25</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>19:12</u>
(D) Initial Shut-In <u>175</u>	<input checked="" type="checkbox"/> Circ Sub <u>—</u>	T-Pulled <u>22:12</u>
(E) Second Initial Flow <u>25</u>	<input type="checkbox"/> Hourly Standby <u>—</u>	T-Out <u>00:15</u>
(F) Second Final Flow <u>32</u>	<input checked="" type="checkbox"/> Mileage <u>112</u> - <u>84</u>	Comments <u>—</u>
(G) Final Shut-In <u>176</u>	<input type="checkbox"/> Sampler <u>—</u>	
(H) Final Hydrostatic <u>2225</u>	<input type="checkbox"/> Straddle <u>—</u>	
	<input type="checkbox"/> Shale Packer <u>—</u>	<input type="checkbox"/> Ruined Shale Packer <u>—</u>
	<input type="checkbox"/> Extra Packer <u>—</u>	<input type="checkbox"/> Ruined Packer <u>—</u>
	<input type="checkbox"/> Extra Recorder <u>—</u>	<input type="checkbox"/> Extra Copies <u>—</u>
Initial Open <u>30</u>	<input type="checkbox"/> Day Standby <u>—</u>	Sub Total <u>0</u>
Initial Shut-In <u>45</u>	<input type="checkbox"/> Accessibility <u>—</u>	Total <u>1559</u>
Final Flow <u>45</u>	Sub Total <u>1559</u>	MP/DST Disc't <u>—</u>
Final Shut-In <u>60</u>		

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. **65510**

Well Name & No. O Bratte - Berch #1-22 Test No. 2 Date 9-6-16  
 Company American Warrior Inc Elevation 2809 KB 2797 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Kevin Timson Rig Duke #1  
 Location: Sec. 22 Twp. 25 Rge. 31 Co. Finney State KS

Interval Tested 4570 4586 Zone Tested Pawnee  
 Anchor Length 16 Drill Pipe Run 4588 Mud Wt. 9.5  
 Top Packer Depth 4565 Drill Collars Run — Vis 64  
 Bottom Packer Depth 4570 Wt. Pipe Run — WL 9.2  
 Total Depth 4586 Chlorides 3500 ppm System LCM 2  
 Blow Description IF: BoB in 3 min.  
FS: Surface blow built to 1 in 45 min.  
FF: BoB in 30 sec.  
FS: BoB in 14 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>103</u>	<u>90</u>	<u>20</u>	<u>80</u>		
<u>63</u>	<u>MCW</u>			<u>90</u>	<u>10</u>
	<u>4126 GFP</u>				

Rec Total 166 BHT 120 Gravity 30 API RW .20 @ 90 ° F Chlorides 26,000 ppm

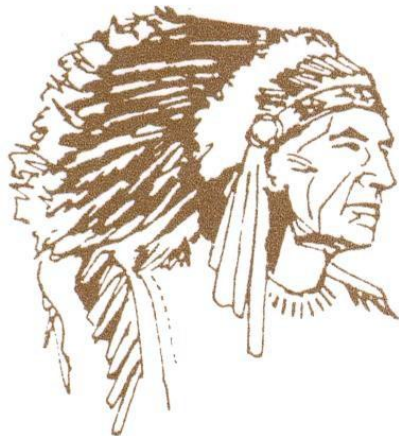
(A) Initial Hydrostatic <u>2383</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>10:15</u>
(B) First Initial Flow <u>18</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>10:24</u>
(C) First Final Flow <u>36</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>12:49</u>
(D) Initial Shut-In <u>1247</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>15:49</u>
(E) Second Initial Flow <u>39</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>18:00</u>
(F) Second Final Flow <u>71</u>	<input checked="" type="checkbox"/> Mileage <u>112-x2</u> <u>168</u>	Comments _____
(G) Final Shut-In <u>1209</u>	<input type="checkbox"/> Sampler _____	<u>loaded tools 9/7 23:40</u>
(H) Final Hydrostatic <u>2368</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Total <u>1643</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1643</u>	

Approved By \_\_\_\_\_ Our Representative 

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-Beach #1-22**  
975' FSL & 1801' FWL  
Sec 22, T25s, R31w  
Finney County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
O'Brate-Beach #1-22  
975' FSL & 1801' FWL  
Sec. 22, T25s, R31w  
Finney County, Kansas  
API # 15-055-22433-00-00

Drilling Contractor: Duke Drilling Co. Rig #1

Geologist: Kevin Timson

Spud Date: August 31, 2016

Completion Date: September 9, 2016

Elevation 2809' G.L.  
2797' K.B.

Directions: From Pierceville, Go South on Main street 1.3 miles  
turn West into on lease road.

Casing: 1700' 8 5/8" #24 Surface Casing  
5050' 5 1/2" #15.5 Production Casing

Samples: 3850' to RTD 10' Wet & Dry

Drilling Time: 3850' to RTD

Electric Logs: Pioneer Energy Services  
"D.Schmidt" Stack Micro

Drillstem Tests: Two "Brandon Turley" Trilobite Testing

Problems: None

## Formation Tops

O'Brate-Beach #1-22

Sec. 22, T25s, R31w

975' FSL & 1801' FWL

Anhydrite	1827' +982
Heebner	3931' -1122
Lansing	3980' -1171
Stark	4354' -1545
Bkc	4476' -1667
Marmaton	4494' -1685
Pawnee	4572' -1763
Fort Scott	4598' -1789
Cherokee	4614' -1805
Morrow	4762' -1953
St. Gen	4770' -1961
RTD	5050' -2241
LTD	5052' -2243

### Sample Description(s)

**Marmaton A: (4494' -1685)** Ls/Dolo. Tan/gray. Fine to sub crystalline. Fair oolycastic porosity. Fair to good intercrystalline porosity. Fair to good stain. Fair saturation. Show of free oil when broken. Fair odor. Bright yellow full cut.

**Pawnee Limestone: (4602' -1775)** Ls. Off white/tan. Medium to sub crystalline. Fair Oomoldic porosity, fair oolycastic porosity. Poor stain. Poor saturation. Fair to good odor. No show of free oil. Fair to good bright yellow stream cut.

## Drill Stem Tests

### DST #1

#### Marmaton A

Interval (4460' - 4531') Anchor Length: 71'

IHP - 2296#

IFP - 30" -BOB in 28 min

21-25#

ISI - 45" -No return

175#

FFP - 45" -BOB in 12 min

25-32#

FSIP - 60" -No return

176#

FHP -2225#

BHT -119° F

Recovery: 40' OCM

461' GIP

### DST #2

#### Pawnee

Interval (4570' - 4586') Anchor Length: 16'

IHP - 2383#

IFP -30" -BOB in 3 min

18-36#

ISI -45" -WSB built to 1"

1247#

FFP -45" -BOB in 30 sec

39-71#

FSIP -60" -BOB in 14 min

1209#

FHP -2368#

BHT -120°F

Recovery: 103' GO

Gravity: 30

63' MCW

4126' GIP

## Structural Comparison

	American Warrior, Inc.		American Warrior, Inc.		American Warrior, Inc.	
	O'Brate-Beach #1-22		O'Brate-Finney #3-15		O'Brate-Beach #1-27	
	Sec 22, T25s, R31w		Sec 35, T32s, R31w		Sec 27, T25s, R31w	
Formation	975' FSL & 1801' FWL		3300' FSL & 1980' FEL		751' FNL & 2296' FWL	
Heebner	3931' -1122	-12	3911' -1110	+4	3953' -1126	
Lansing	3980' -1171	-11	3961' -1160	+1	3999' -1172	
Stark	4354' -1545	-16	4330' -1529	+3	4375' -1548	
BKc	4476' -1667	-10	4458' -1657	+9	4503' -1676	
Marmaton	4494' -1685	-4	4482' -1681	+14	4526' -1699	
Pawnee	4572' -1763	-10	4554' -1753	+8	4602' -1775	
Fort Scott	4598' -1789	-7	4583' -1782	+12	4628' -1801	
Cherokee	4614' -1805	-9	4597' -1796	+10	4642' -1815	
Morrow	4762' -1953	-12	4742' -1941	+6	4786' -1959	
St. Genieve	4770' -1961	-2	4760' -1959	+16	4804' -1977	

## Summary

The location for the O'Brate-Beach #1-27 well was found via 3-D seismic. The new well ran structurally as expected. One DST was conducted, which recovered commercial quantities of oil from the Pawnee Limestone Formation. After all the gathered data had been examined, the decision was made to run 5 ½" production casing to further evaluate the O'Brate-Beach #1-27 well.

### Perforations:

<b>Primary:</b>	<b>St. Louis</b>	<b>(4934'-4938')</b>
	<b>St. Louis</b>	<b>(4913'-4917')</b>
<b>Secondary:</b>	<b>Fort Scott</b>	<b>(4603'-4607')</b>
	<b>Pawnee</b>	<b>(4575'-4583')</b>
	<b>Marmaton</b>	<b>(4532'-4536')</b>

Respectfully Submitted,

Kevin Timson  
American Warrior, Inc.



