



## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399  
Garden City, KS 67846

ATTN: Kevin Timson

### **Irsik Equities #1-35**

#### **35-24s-30w Gray,KS**

Start Date: 2014.04.12 @ 09:20:52

End Date: 2014.04.12 @ 20:10:22

Job Ticket #: 56336                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.04.16 @ 09:22:00



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc  
 PO Box 399  
 Garden City, KS 67846  
 ATTN: Kevin Timson

**35-24s-30w Gray, KS**  
**Irsik Equities #1-35**  
 Job Ticket: 56336 **DST#: 1**  
 Test Start: 2014.04.12 @ 09:20:52

## GENERAL INFORMATION:

Formation: **Morrow**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 12:14:22  
 Time Test Ended: 20:10:22  
 Interval: **4856.00 ft (KB) To 4893.00 ft (KB) (TVD)**  
 Total Depth: 4893.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Shane McBride  
 Unit No: 55  
 Reference Elevations: 2854.00 ft (KB)  
 2842.00 ft (CF)  
 KB to GR/CF: 12.00 ft

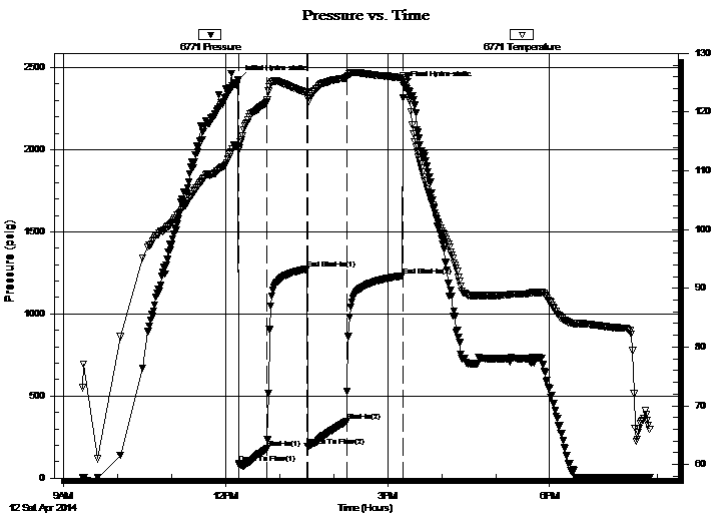
## Serial #: 6771

Inside

Press@RunDepth: 347.05 psig @ 4857.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.04.12 End Date: 2014.04.12 Last Calib.: 2014.04.12  
 Start Time: 09:20:52 End Time: 19:51:22 Time On Btm: 2014.04.12 @ 12:14:07  
 Time Off Btm: 2014.04.12 @ 15:17:37

TEST COMMENT: B.O.B. in 1 min.  
 G.T.S. 7 min into shutin  
 B.O.B. in 1 min. Gas to weak to gauge  
 Bled off throughout shutin

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2424.44	114.31	Initial Hydro-static
1	90.04	113.50	Open To Flow (1)
32	178.88	121.73	Shut-In(1)
76	1273.19	123.37	End Shut-In(1)
77	192.03	122.42	Open To Flow (2)
121	347.05	125.84	Shut-In(2)
183	1232.58	125.80	End Shut-In(2)
184	2392.05	125.60	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
31.00	c g o 20g 80o	0.43
1240.00	c g o reversed out 25g 75o	17.39
124.00	under circ sub g m c o 30g 30m 40o	1.74

## Gas Rates

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



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 ATTN: Kevin Timson

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**Irsik Equities #1-35**

Job Ticket: 56336

**DST#: 1**

Test Start: 2014.04.12 @ 09:20:52

## GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:14:22

Time Test Ended: 20:10:22

**Interval: 4856.00 ft (KB) To 4893.00 ft (KB) (TVD)**

Total Depth: 4893.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane McBride

Unit No: 55

Reference Elevations: 2854.00 ft (KB)

2842.00 ft (CF)

KB to GR/CF: 12.00 ft

**Serial #: 8844 Outside**

Press@RunDepth: psig @ 4857.00 ft (KB)

Start Date: 2014.04.12 End Date: 2014.04.12

Start Time: 09:20:44 End Time: 19:50:44

Capacity: 8000.00 psig

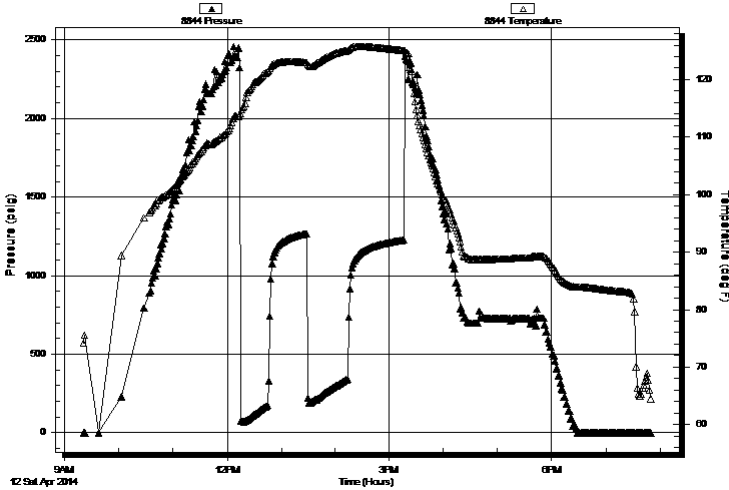
Last Calib.: 2014.04.12

Time On Btm:

Time Off Btm:

TEST COMMENT: B.O.B. in 1 min.  
 G.T.S. 7 min into shutin  
 B.O.B. in 1 min. Gas to weak to gauge  
 Bled off throughout shutin

Pressure vs. Time



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
31.00	c g o 20g 80o	0.43
1240.00	c g o reversed out 25g 75o	17.39
124.00	under circ sub g m c o 30g 30m 40o	1.74

## Gas Rates

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



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TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior Inc  
PO Box 399  
Garden City, KS 67846  
ATTN: Kevin Timson

**35-24s-30w Gray,KS**  
**Irsik Equities #1-35**  
Job Ticket: 56336 **DST#: 1**  
Test Start: 2014.04.12 @ 09:20:52

## Tool Information

Drill Pipe:	Length: 4848.00 ft	Diameter: 3.80 inches	Volume: 68.00 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 68.00 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4856.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	65.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4829.00	
Shut In Tool	5.00			4834.00	
Hydraulic tool	5.00			4839.00	
Jars	5.00			4844.00	
Safety Joint	3.00			4847.00	
Packer	5.00			4852.00	28.00 Bottom Of Top Packer
Packer	4.00			4856.00	
Stubb	1.00			4857.00	
Recorder	0.00	6771	Inside	4857.00	
Recorder	0.00	8844	Outside	4857.00	
Perforations	31.00			4888.00	
Bullnose	5.00			4893.00	37.00 Bottom Packers & Anchor

**Total Tool Length: 65.00**



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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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**35-24s-30w Gray,KS**  
**Irsik Equities #1-35**  
Job Ticket: 56336      **DST#: 1**  
Test Start: 2014.04.12 @ 09:20:52

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 29 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.78 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 1700.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
31.00	c g o 20g 80o	0.435
1240.00	c g o reversed out 25g 75o	17.394
124.00	under circ sub g m c o 30g 30m 40o	1.739

Total Length: 1395.00 ft      Total Volume: 19.568 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

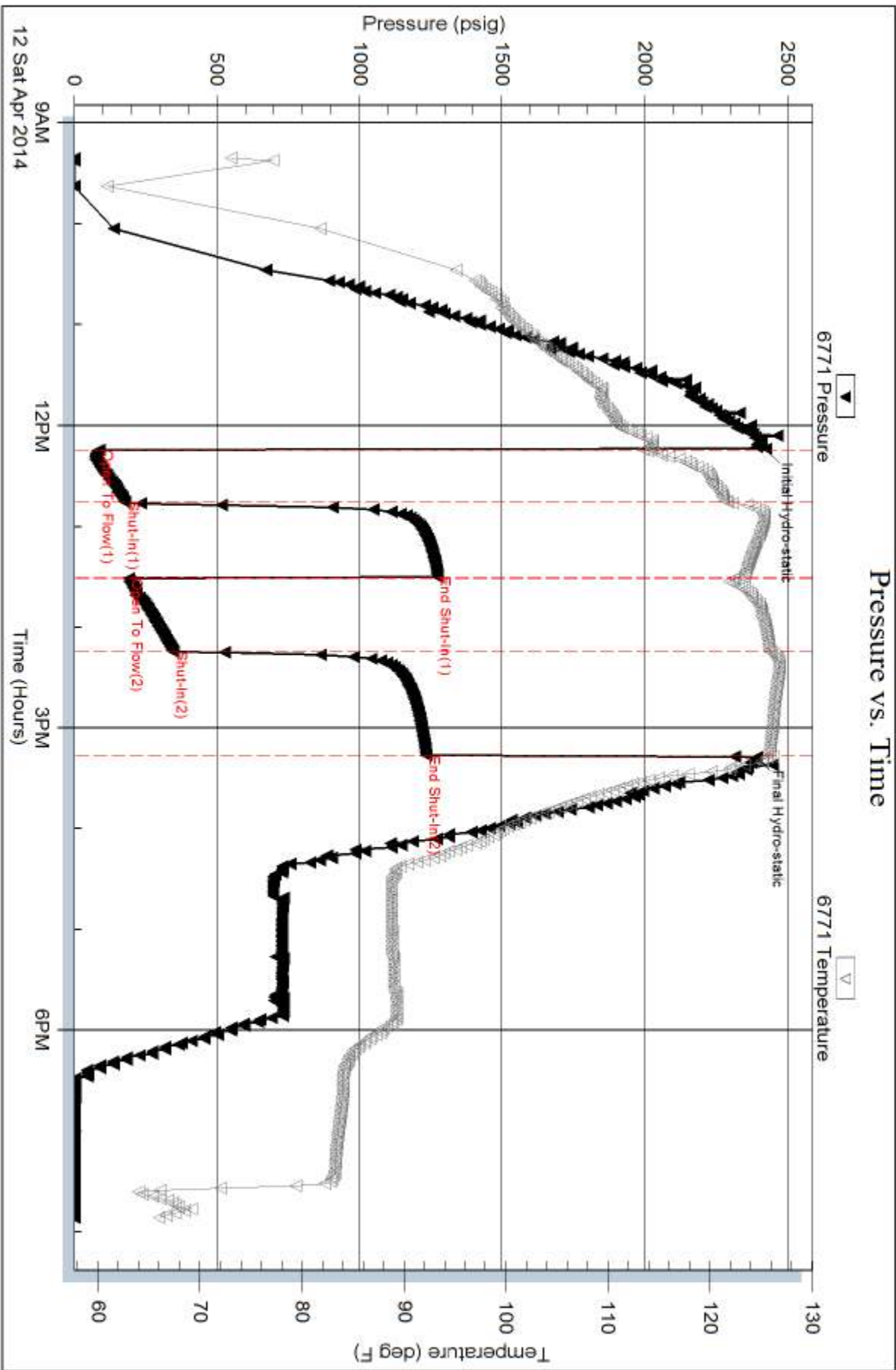
Serial #: 6771

Inside

American Warrior Inc

Irsik Equities #1-35

DST Test Number: 1

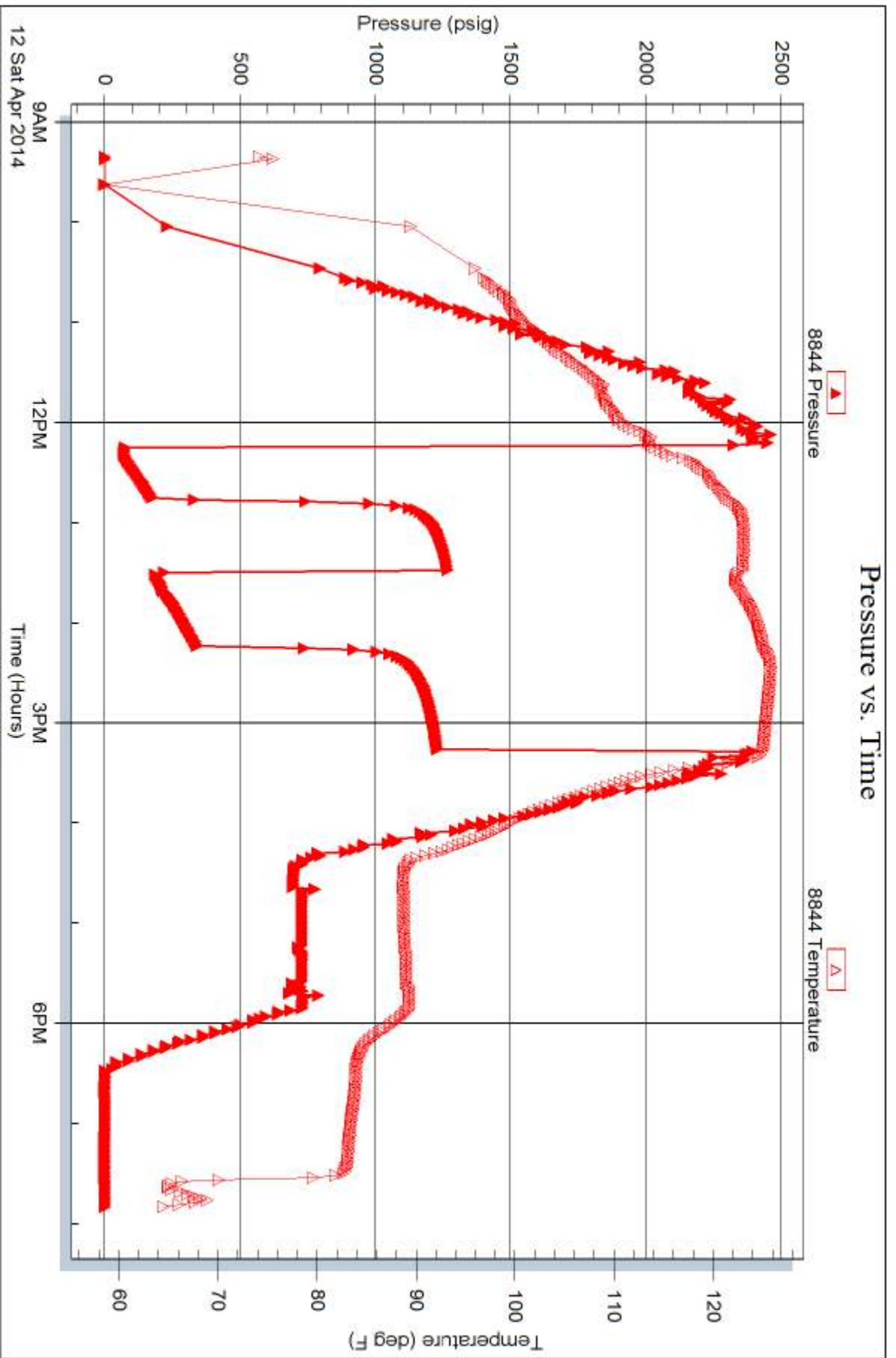


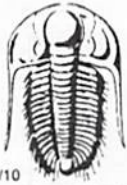
Serial #: 8844

Outside American Warrior Inc

Irsik Equities #1-35

DST Test Number: 1





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 56336

Well Name & No. Irsik Legacies #1-35 Test No. #1 Date 4/12/14  
 Company American Wellco, Inc Elevation 2854 KB 2892 GL  
 Address 3118 Cummins Rd, P.O. Box 399 Garden City, KS 67846  
 Co. Rep / Geo. Kenn Timson Rig Duke #1  
 Location: Sec. 35 Twp. 24 Rge. 30 Co. Gray State Ks

Interval Tested 4856 4893 Zone Tested Morrow  
 Anchor Length 37 Drill Pipe Run 4848 Mud Wt. 9.1  
 Top Packer Depth 4851 Drill Collars Run — Vis 52  
 Bottom Packer Depth 4856 Wt. Pipe Run — WL 8.8  
 Total Depth 4893 Chlorides 1700 ppm System LCM #2

Blow Description B.O.B. in 1 min  
Bled off for 20 min Bed Back to 1" w. Return to B.O.B. in 10 min  
B.O.B.  
Bled off throughout Shut-in.

Rec	Feet of	%gas	%oil	%water	%mud
31'	Cgo				
1240'	Reversed at Cgo				
124'	mcgo				
	(G.T.S. 7 min on initial shut-in)				

Rec Total 1395' BHT 126° Gravity 29 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2424</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>03:55</u>
(B) First Initial Flow <u>90</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>09:20</u>
(C) First Final Flow <u>178</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>12:11</u>
(D) Initial Shut-In <u>1273</u>	<input checked="" type="checkbox"/> Circ Sub <u>50</u>	T-Pulled <u>15:11</u>
(E) Second Initial Flow <u>192</u>	<input checked="" type="checkbox"/> Hourly Standby <u>5 hrs</u> <u>500</u>	T-Out <u>20:10</u>
(F) Second Final Flow <u>347</u>	<input checked="" type="checkbox"/> Mileage <u>114 RT</u> <u>176.70</u>	Comments <u>Had to bleed flow</u>
(G) Final Shut-In <u>1232</u>	<input type="checkbox"/> Sampler	<u>Rig to make a</u>
(H) Final Hydrostatic <u>2392</u>	<input type="checkbox"/> Straddle	<u>Second Shut-In</u>

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>2251.70</u>
	Sub Total <u>2251.70</u>	MP/DST Disc't <u>—</u>

Approved By \_\_\_\_\_ Our Representative [Signature]

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