



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1212183
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1212183

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Handy 5-29
Doc ID	1212183

All Electric Logs Run

Induction
Porosity
Micro
Sonic

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Handy 5-29
Doc ID	1212183

Tops

Name	Top	Datum
Heebner	4371'	-1641
Toronto	4389'	-1659
Lansing	4535'	-1805
Marmaton	5234'	-2504
Morrow	5774'	-3044
Chester	5924'	-3194
St.Gen	6229'	-3499
St.Louis	6325'	-3595



CEMENTING LOG

Date **5/14/2014** District **Liberal # 21** Ticket No. _____
 Company **AMERICAN WARRIOR** Rig **DUKE # 9**
 Lease **HANDY** Well No **5-29**
 County **SEWARD** State **KS**

Location _____
 Field _____

Casing Data Conductor PTA Squeeze Misc.
 Surface Intermediate Production Liner

Size **8 5/8** Type _____ Weight **24** Collar _____

Casing Depths Top _____ Bottom **1741.04**

Drill Pipe: BBLS/LIN. FT _____ LIN. FT/BBL _____
 Open Hole: BBLS/LIN. FT _____ LIN. FT/BBL _____
 Capacity Factors: BBLS/LIN. FT _____ LIN. FT/BBL _____
 Casing BBLS/LIN. FT _____ LIN. FT/BBL _____
 Open Holes BBLS/LIN. FT _____ LIN. FT/BBL _____
 Drill Pipe BBLS/LIN. FT _____ LIN. FT/BBL _____
 Annulus BBLS/LIN. FT _____ LIN. FT/BBL _____
 Perforations From _____ ft to _____ ft Amt _____

CEMENT DATA

Spacer Type **10 BBL FRESH WATER**
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

LEAD: Time _____ hrs. Type **ALWC TYPE 1 - CLASS A**
3% CC, 1/4# FLOSEAL Excess _____

Amt. **625** Sks Yield **2** ft³/sk Density **12.46** PPG

TAIL: Time _____ hrs. Type **CLASS A**

3% CC, 1/4# FLOSEAL Excess _____

Amt. **200** Sks Yield **1.2** ft³/sk Density **15.6** PPG

WATER Lead **10.9** Gal/sk Tail **5.2** Gal/sk Total _____ BBLs

Pump Trucks Used: **549 - 550**

Bulk Equipment **956 - 554**

955 - 528

Float Equipment: Manufacturer **WEATHERFORD**

Shoe: Type **REGULAR GUIDE SHOE** Depth **1741.04**

Float: Type **AFU INSERT FLOAT** Depth **1697.52**

Centralizers: Quantity **3** Plugs Top **1** Bottom _____

Stage Collars _____

Special Equipment **CEMENT BASKET**

Disp: Fluid Type **FRESH WATER** Amt **108** bbls Weight **8.33** PPG

Mud Type _____ Weight _____

COMPANY REPRESENTATIVE _____ CEMENTER **KIRBY HARPER**

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLs/MIN	
1600						ON LOCATION -- SPOT AND RIG UP
1930						CASING ON BOTTOM -- BREAK CIRCULATION
1940						SAFETY MEETING
2013	2000					PRESSURE TEST
2017	200			222	6	START MIXING 625 SK ALWC @ 12.5 PPG
2053	200			43	6	START MIXING 200 SK COMMON @ 15.6 PPG
2108						SHUT DOWN -- DROP TOP PLUG
2112	100		0		6	START DISPLACING WITH FRESH WATER
2124	450		98		2	SLOW RATE
2129	500-1000		108			BUMP PLUG
2131	1000-0					RELEASE PRESSURE -- FLOAT HELD
			3			CIRCULATE CEMENT TO THE PIT

FINAL DISP. PRESS **500** PSI BUMP PLUG TO **1000** PSI BLEEDBACK **0.5** BBLs **THANK YOU**



BASICSM
ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer <u>Palmer Oil/American Warrior</u>	Lease No.	Date <u>5-27-14</u>
Lease <u>Handy</u>	Well # <u>5-25</u>	Service Receipt
Casing <u>5 1/2 15.5#</u> Depth <u>6513'</u>	County <u>Seward</u>	State <u>KS</u>
Job Type <u>242</u>	Formation	Legal Description <u>29-34-31</u>

Pipe Data		Perforating Data		Cement Data
Casing size <u>5 1/2 15.5#</u>	Tubing Size	Shots/Ft		Lead <u>200SX @ 14.8 PPG</u> <u>5% W-60, 10% Salt</u> <u>6% C-15, 4% Deformer</u> <u>5% Gilsontite</u> <u>AA2 Cement</u> Tail in <u>50 SX @ 13.5 PPG</u> <u>Neat</u> <u>60/40 1oz</u>
Depth <u>6513</u>	Depth	From	To	
Volume <u>154.5 bbl</u>	Volume	From	To	
Max Press	Max Press	From	To	
Well Connection	Annulus Vol.	From	To	
Plug Depth <u>6492'</u>	Packer Depth	From	To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2300					On Location
0100					Rig up
0245					Safety Meeting
0305	2000				Pressure Test
0310	100		12	.5	Pump 500 gallons of Mud Flush
0315	100		8	3.5	Plug Rat Hole 30 SX @ 13.5 PPG
0325	100		5	3.5	Plug Mouse Hole 20 SX @ 13.5 PPG
0333	200		54	5	Pump 200 SX @ 14.8 PPG
0348					Drop Plug - Washup
0353	100			5	Start Displacement
0415	600		135	2	Slow Rate
0419	1300		154	2	Bump Plug
0424	0				Release Pressure - float Held Shut Down Rig Down

Service Units	<u>78440</u>	<u>38750</u> <u>19842</u>	<u>30463</u> <u>19566</u>		
Driver Names	<u>Ruben</u>	<u>Carlos</u>	<u>Daniel</u>		

Joe Smith Jerry Bennett Ruben Martinez



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Wyatt Urban

Handy #5-29

29-34s-34w Seward,KS

Start Date: 2014.05.17 @ 15:44:00

End Date: 2014.05.17 @ 23:00:24

Job Ticket #: 57209 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.05.27 @ 15:46:51



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc.
 PO Box 399
 Garden City KS 67846
 ATTN: Wyatt Urban

29-34s-34w Seward,KS

Handy #5-29

Job Ticket: 57209

DST#: 1

Test Start: 2014.05.17 @ 15:44:00

GENERAL INFORMATION:

Formation: **Toronto**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:52:10
 Time Test Ended: 23:00:24
 Interval: **4370.00 ft (KB) To 4425.00 ft (KB) (TVD)**
 Total Depth: 4425.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Will MacLean
 Unit No: 72
 Reference Elevations: 2735.00 ft (KB)
 2722.00 ft (CF)
 KB to GR/CF: 13.00 ft

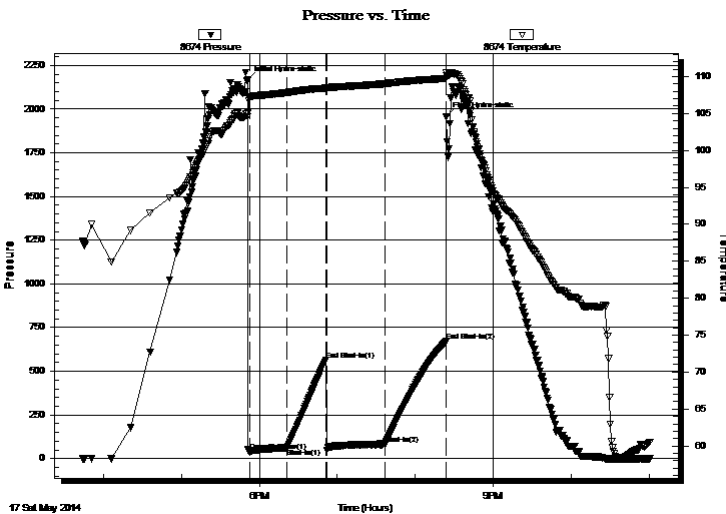
Serial #: 8674

Inside

Press@RunDepth: 82.11 psig @ 4372.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.05.17 End Date: 2014.05.17 Last Calib.: 2014.05.17
 Start Time: 15:44:00 End Time: 23:00:24 Time On Btm: 2014.05.17 @ 17:50:55
 Time Off Btm: 2014.05.17 @ 20:23:54

TEST COMMENT: IF- Slid 6' to Bottom Surface Blow Built to BOB in 4 min
 IS- No Blow
 FF- Surface Blow Built to BOB in 2 min
 FS- Very Weak Surface Blow in 18 min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2165.66	105.06	Initial Hydro-static
2	40.97	107.01	Open To Flow (1)
30	62.31	107.81	Shut-In(1)
61	562.56	108.42	End Shut-In(1)
61	49.10	108.25	Open To Flow (2)
106	82.11	109.01	Shut-In(2)
153	671.30	109.73	End Shut-In(2)
153	1956.89	110.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	GM 16%g 84%w with a couple Oil Spots	0.30
61.00	WGCM 3%w 24%g 73%w with a Skin	0.30
10.00	WGCM 2%w 3%g 95%w with a Skin	0.05
0.00	744' of Weak 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.

29-34s-34w Seward,KS

PO Box 399
Garden City KS 67846

Handy #5-29

Job Ticket: 57209

DST#: 1

ATTN: Wyatt Urban

Test Start: 2014.05.17 @ 15:44:00

Tool Information

Drill Pipe:	Length: 4173.00 ft	Diameter: 3.80 inches	Volume: 58.54 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: 28000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 30000.00 lb
			<u>Total Volume: 59.44 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 680000.0 lb
Depth to Top Packer:	4370.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	82.00 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			4344.00	
Shut In Tool	5.00			4349.00	
Hydraulic tool	5.00			4354.00	
Jars	5.00			4359.00	
Safety Joint	2.00			4361.00	
Packer	5.00			4366.00	27.00 Bottom Of Top Packer
Packer	4.00			4370.00	
Stubb	1.00			4371.00	
Perforations	1.00			4372.00	
Recorder	0.00	8355	Outside	4372.00	
Recorder	0.00	8674	Inside	4372.00	
Perforations	15.00			4387.00	
Change Over Sub	1.00			4388.00	
Drill Pipe	31.00			4419.00	
Change Over Sub	1.00			4420.00	
Bullnose	5.00			4425.00	55.00 Bottom Packers & Anchor
Total Tool Length:	82.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

29-34s-34w Seward,KS

PO Box 399
Garden City KS 67846

Handy #5-29

Job Ticket: 57209

DST#: 1

ATTN: Wyatt Urban

Test Start: 2014.05.17 @ 15:44:00

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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.92 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
61.00	GM 16%g 84%m with a couple Oil Spots	0.300
61.00	WGCM 3%w 24%g 73%m with a Skim of O	0.300
10.00	WGCM 2%w 3%g 95%m with a Skim of Oil	0.049
0.00	744' of Weak GIP	0.000

Total Length: 132.00 ft

Total Volume: 0.649 bbl

Num Fluid Samples: 0

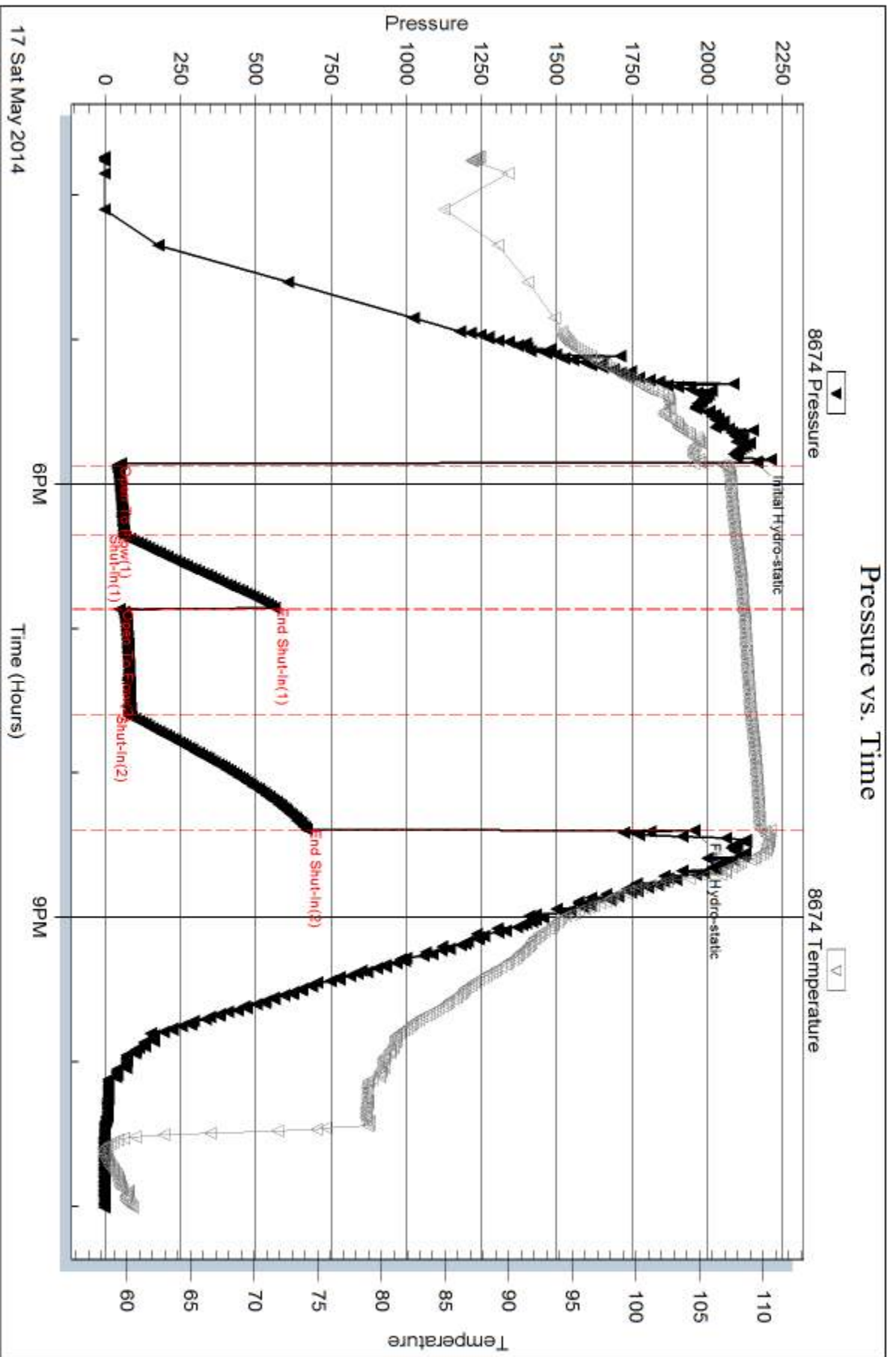
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

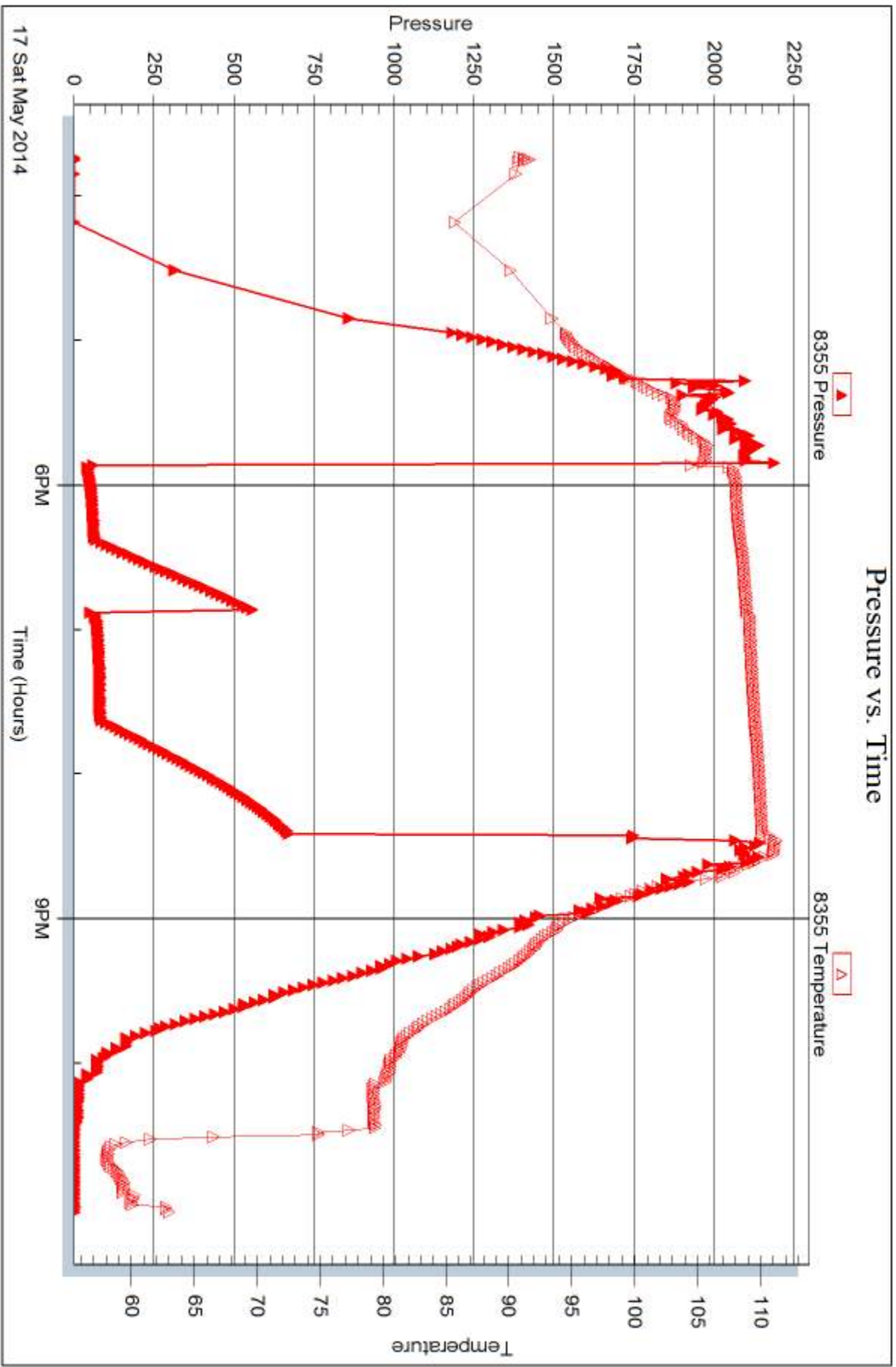


Serial #: 8355

Outside American Warrior Inc.

Handy #5-29

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 57209

Printed: 2014.05.27 @ 15:46:53



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Wyatt Urban

Handy #5-29

29-34s-34w Seward,KS

Start Date: 2014.05.18 @ 15:00:00

End Date: 2014.05.18 @ 22:22:54

Job Ticket #: 57210 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.05.27 @ 15:46:30

American Warrior Inc.
29-34s-34w Seward,KS
Handy #5-29
DST # 2
Upper Lansing
2014.05.18



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc.
 PO Box 399
 Garden City KS 67846
 ATTN: Wyatt Urban

29-34s-34w Seward,KS

Handy #5-29

Job Ticket: 57210

DST#: 2

Test Start: 2014.05.18 @ 15:00:00

GENERAL INFORMATION:

Formation: **Upper Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:40:25

Time Test Ended: 22:22:54

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 72

Interval: 4520.00 ft (KB) To 4600.00 ft (KB) (TVD)

Reference Elevations: 2735.00 ft (KB)

Total Depth: 4600.00 ft (KB) (TVD)

2722.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8674

Inside

Press@RunDepth: 348.96 psig @ 4521.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.18

End Date:

2014.05.18

Last Calib.:

2014.05.18

Start Time: 15:00:00

End Time:

22:22:54

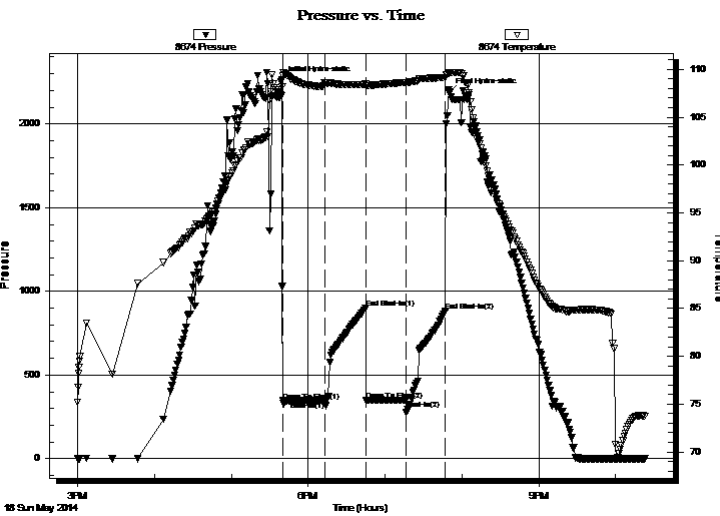
Time On Btm:

2014.05.18 @ 17:39:10

Time Off Btm:

2014.05.18 @ 19:50:09

TEST COMMENT: IF- Set Down on the tool the mud went down the hole set more weight on couldnt see the mud no more came back up bled it off set back down on it took about a 60' drink then it held Flushed tool at the end of the
 IF- No Blow IS- No Blow FF- No Blow FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2261.47	107.29	Initial Hydro-static
2	345.75	109.39	Open To Flow (1)
34	344.42	108.60	Shut-In(1)
66	901.36	108.45	End Shut-In(1)
66	347.50	108.24	Open To Flow (2)
98	348.96	108.65	Shut-In(2)
128	881.21	109.18	End Shut-In(2)
131	2186.03	109.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
635.00	100%m	7.23

* 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.

29-34s-34w Seward,KS

PO Box 399
Garden City KS 67846

Handy #5-29

Job Ticket: 57210

DST#: 2

ATTN: Wyatt Urban

Test Start: 2014.05.18 @ 15:00:00

Tool Information

Drill Pipe:	Length: 4331.00 ft	Diameter: 3.80 inches	Volume: 60.75 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: 40000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 24000.00 lb
			<u>Total Volume: 61.65 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4520.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	107.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4494.00	
Shut In Tool	5.00			4499.00	
Hydraulic tool	5.00			4504.00	
Jars	5.00			4509.00	
Safety Joint	2.00			4511.00	
Packer	5.00			4516.00	27.00 Bottom Of Top Packer
Packer	4.00			4520.00	
Stubb	1.00			4521.00	
Recorder	0.00	8355	Outside	4521.00	
Recorder	0.00	8674	Inside	4521.00	
Perforations	9.00			4530.00	
Change Over Sub	1.00			4531.00	
Drill Pipe	63.00			4594.00	
Change Over Sub	1.00			4595.00	
Bullnose	5.00			4600.00	80.00 Bottom Packers & Anchor

Total Tool Length: 107.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

29-34s-34w Seward,KS

PO Box 399
Garden City KS 67846

Handy #5-29

Job Ticket: 57210

DST#: 2

ATTN: Wyatt Urban

Test Start: 2014.05.18 @ 15:00:00

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: ppm

Viscosity: 50.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.73 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 2900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
635.00	100%m	7.231

Total Length: 635.00 ft Total Volume: 7.231 bbl

Num Fluid Samples: 0

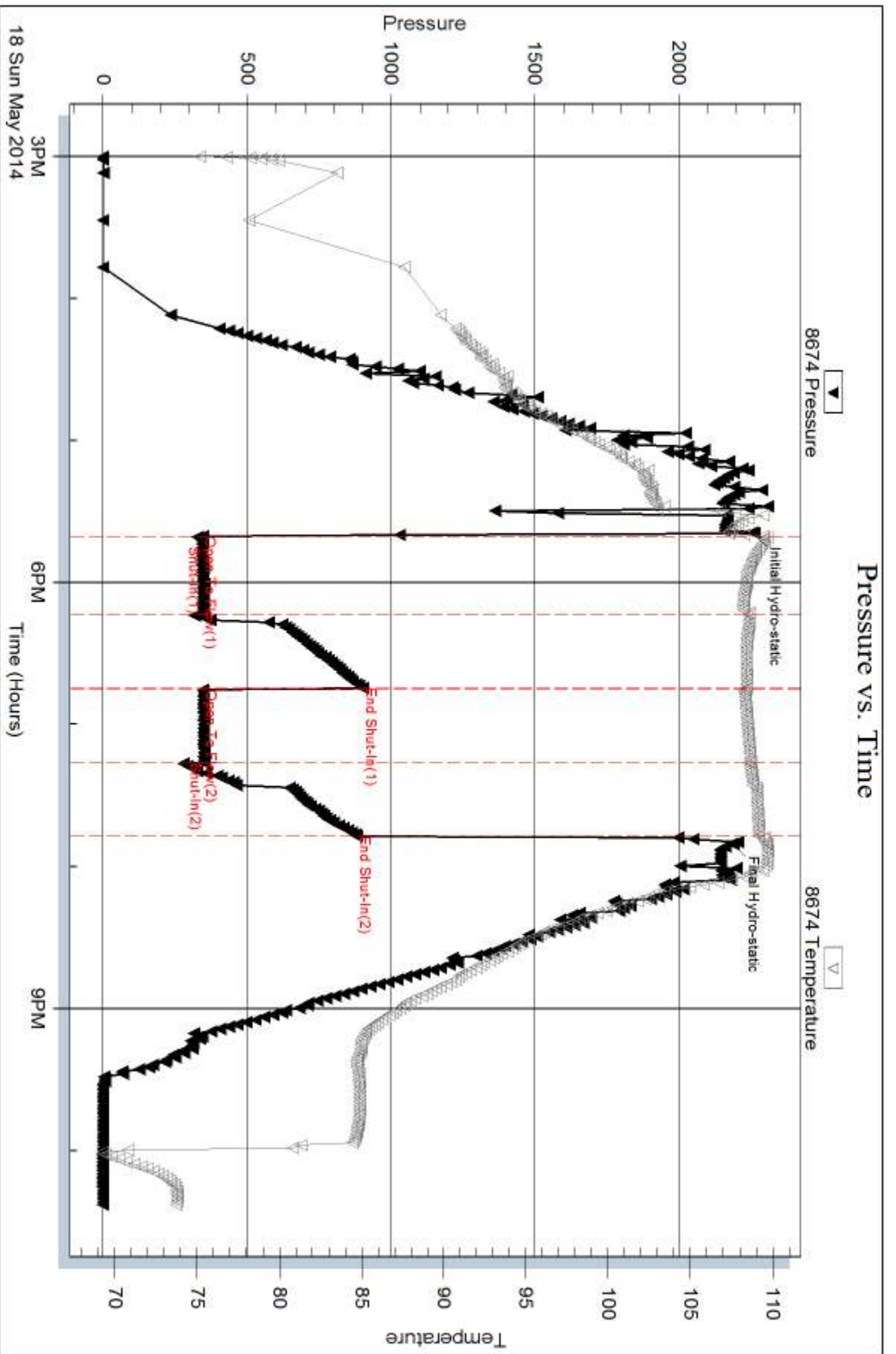
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

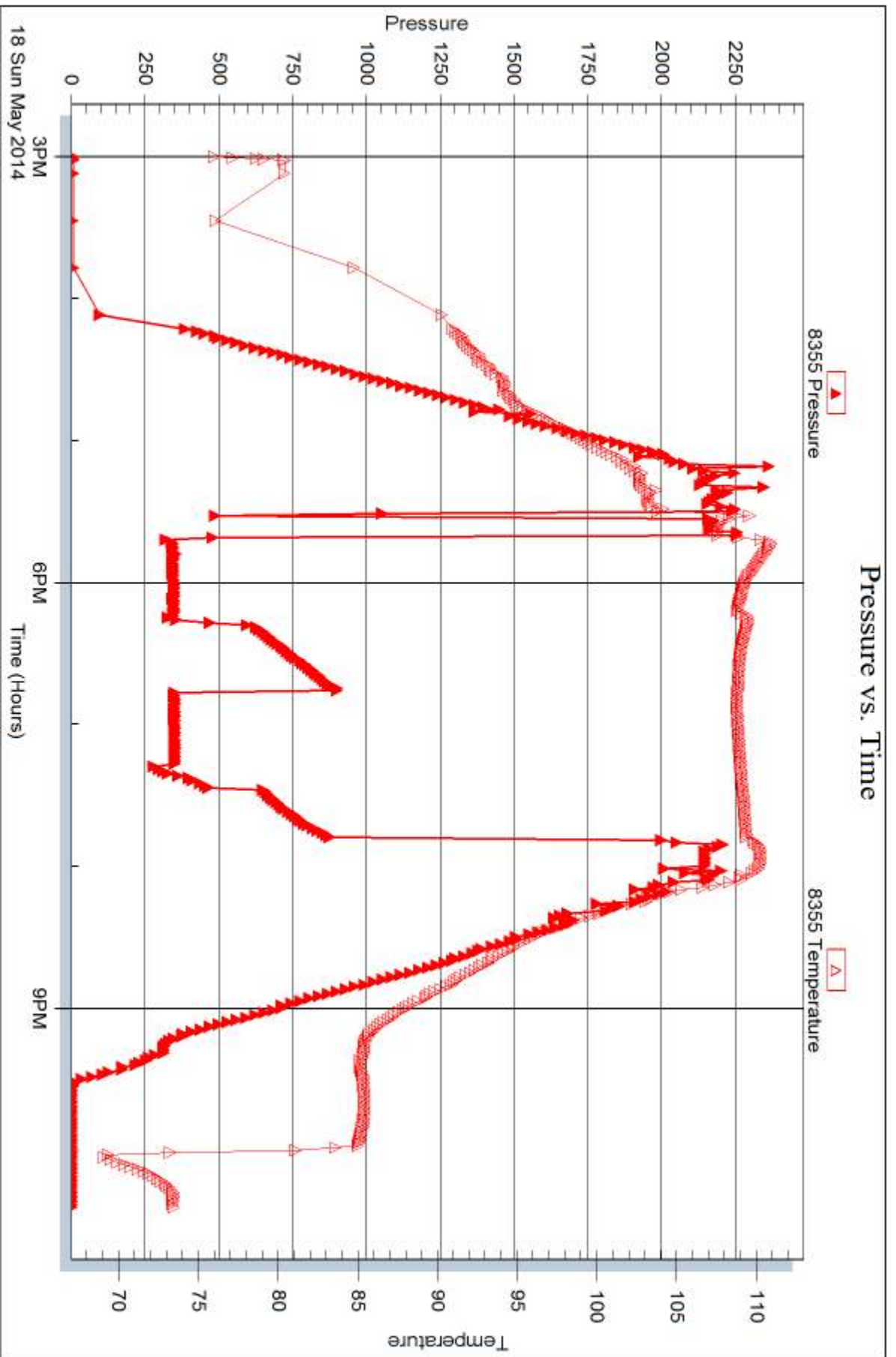


Serial #: 8355

Outside American Warrior Inc.

Handy #5-29

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 57210

Printed: 2014.05.27 @ 15:46:31



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Wyatt Urban

Handy #5-29

29-34s-34w Seward,KS

Start Date: 2014.05.20 @ 22:32:00

End Date: 2014.05.21 @ 06:10:24

Job Ticket #: 57211 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.05.27 @ 15:45:54



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc.
PO Box 399
Garden City KS 67846
ATTN: Wyatt Urban

29-34s-34w Seward,KS

Handy #5-29

Job Ticket: 57211

DST#: 3

Test Start: 2014.05.20 @ 22:32:00

GENERAL INFORMATION:

Formation: **Marmanton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:34:25

Time Test Ended: 06:10:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 72

Interval: 5223.00 ft (KB) To 5325.00 ft (KB) (TVD)

Reference Elevations: 2735.00 ft (KB)

Total Depth: 5325.00 ft (KB) (TVD)

2722.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8674

Inside

Press@RunDepth: 45.50 psig @ 5226.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.20

End Date:

2014.05.21

Last Calib.:

2014.05.21

Start Time: 22:32:00

End Time:

06:10:24

Time On Btm:

2014.05.21 @ 00:34:10

Time Off Btm:

2014.05.21 @ 03:35:39

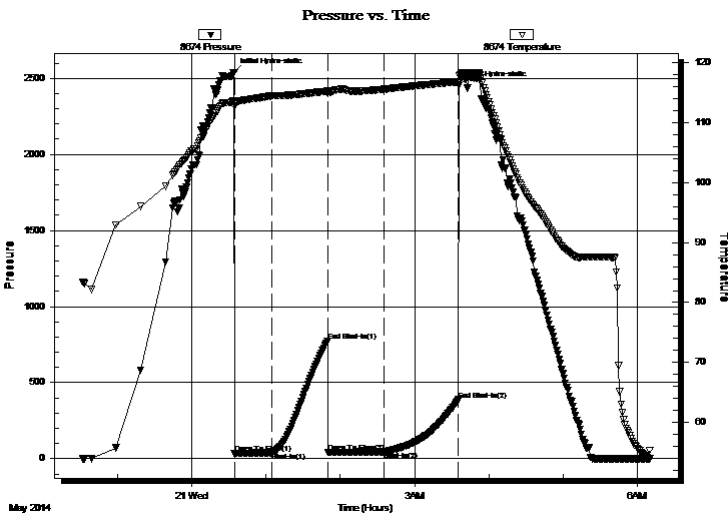
TEST COMMENT: IF- Weak Surface Blow Built to 1 1/4"

FSI- No Blow

FF- No Blow

FSI- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2538.38	113.68	Initial Hydro-static
1	32.40	112.72	Open To Flow (1)
31	39.16	114.48	Shut-In(1)
76	774.00	115.25	End Shut-In(1)
76	41.06	114.88	Open To Flow (2)
121	45.50	115.57	Shut-In(2)
182	387.03	116.84	End Shut-In(2)
182	2452.66	117.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	WCM 3%w 97%m	0.07

* Recovery from multiple tests

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: Wyatt Urban

29-34s-34w Seward,KS

Handy #5-29

Job Ticket: 57211

DST#: 3

Test Start: 2014.05.20 @ 22:32:00

GENERAL INFORMATION:

Formation: **Marmanton**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 00:34:25
 Tester: Will MacLean
 Time Test Ended: 06:10:24
 Unit No: 72
 Interval: **5223.00 ft (KB) To 5325.00 ft (KB) (TVD)**
 Reference Elevations: 2735.00 ft (KB)
 Total Depth: 5325.00 ft (KB) (TVD)
 2722.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 13.00 ft

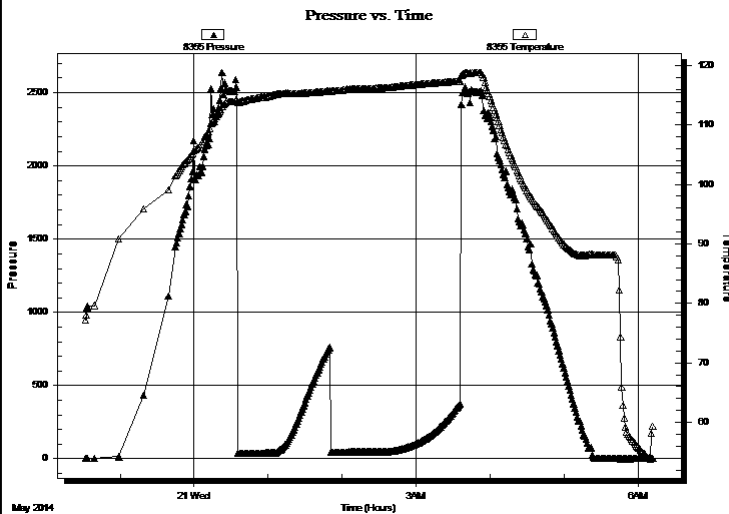
Serial #: 8355

Outside

Press@RunDepth: psig @ 5226.00 ft (KB)
 Start Date: 2014.05.20 End Date: 2014.05.21
 Start Time: 22:32:05 End Time: 06:11:59

Capacity: 8000.00 psig
 Last Calib.: 2014.05.21
 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF- Weak Surface Blow Built to 1 1/4"
 FS- No Blow
 FF- No Blow
 FS- No Blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	WCM 3%w 97%m	0.07

* 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.

29-34s-34w Seward,KS

PO Box 399
Garden City KS 67846

Handy #5-29

Job Ticket: 57211

DST#: 3

ATTN: Wyatt Urban

Test Start: 2014.05.20 @ 22:32:00

Tool Information

Drill Pipe:	Length: 5026.00 ft	Diameter: 3.80 inches	Volume: 70.50 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:	28000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	32000.00 lb
			<u>Total Volume: 71.40 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	76000.00 lb
Depth to Top Packer:	5223.00 ft			Final	76000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	102.00 ft				
Tool Length:	129.00 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			5197.00	
Shut In Tool	5.00			5202.00	
Hydraulic tool	5.00			5207.00	
Jars	5.00			5212.00	
Safety Joint	2.00			5214.00	
Packer	5.00			5219.00	27.00 Bottom Of Top Packer
Packer	4.00			5223.00	
Stubb	1.00			5224.00	
Perforations	2.00			5226.00	
Recorder	0.00	8355	Outside	5226.00	
Recorder	0.00	8674	Inside	5226.00	
Perforations	29.00			5255.00	
Change Over Sub	1.00			5256.00	
Drill Pipe	63.00			5319.00	
Change Over Sub	1.00			5320.00	
Bullnose	5.00			5325.00	102.00 Bottom Packers & Anchor
Total Tool Length:	129.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

29-34s-34w Seward,KS

PO Box 399
Garden City KS 67846

Handy #5-29

Job Ticket: 57211

DST#: 3

ATTN: Wyatt Urban

Test Start: 2014.05.20 @ 22:32:00

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: 49.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.35 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	WCM 3%w 97%m	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

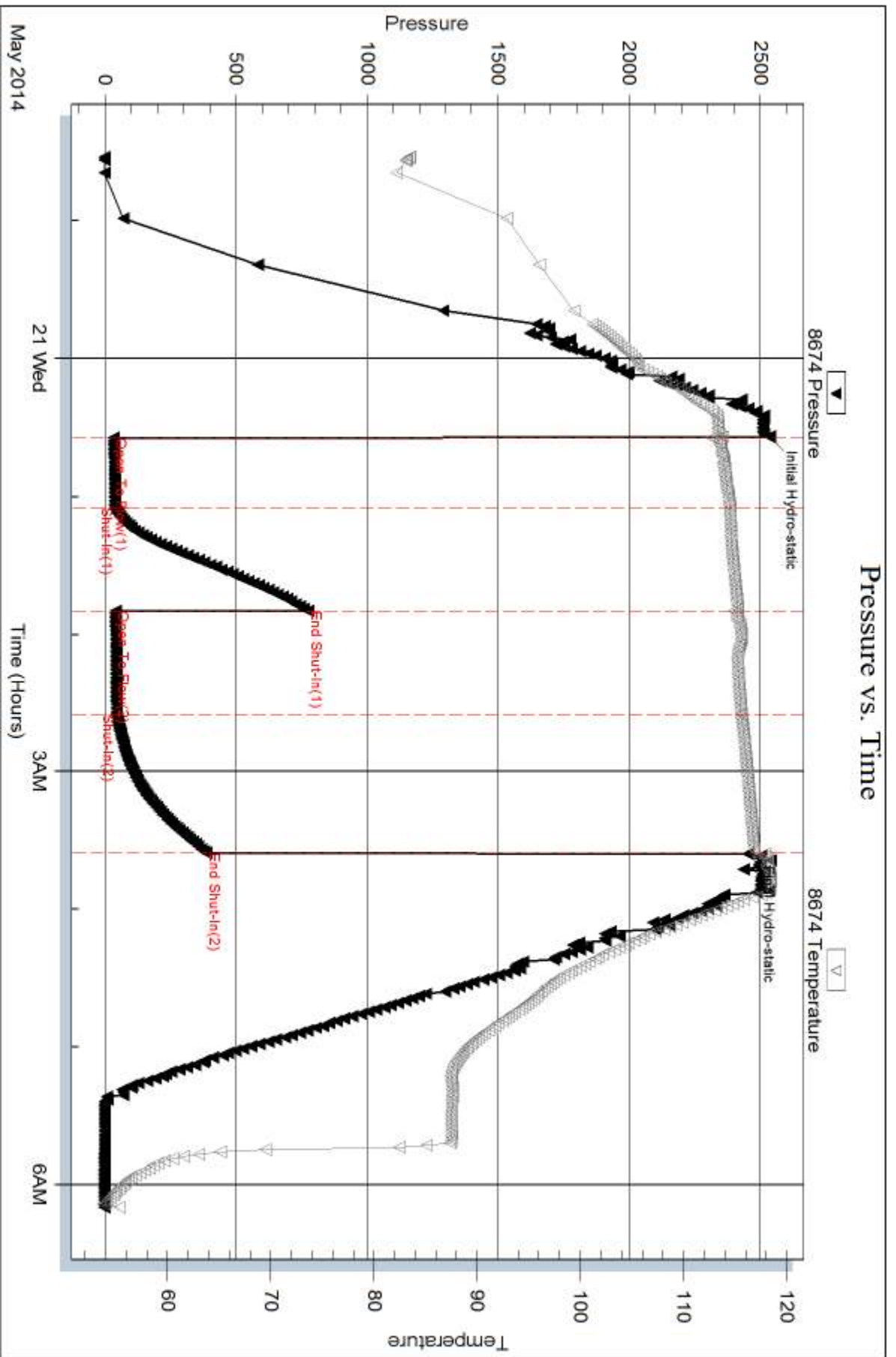
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

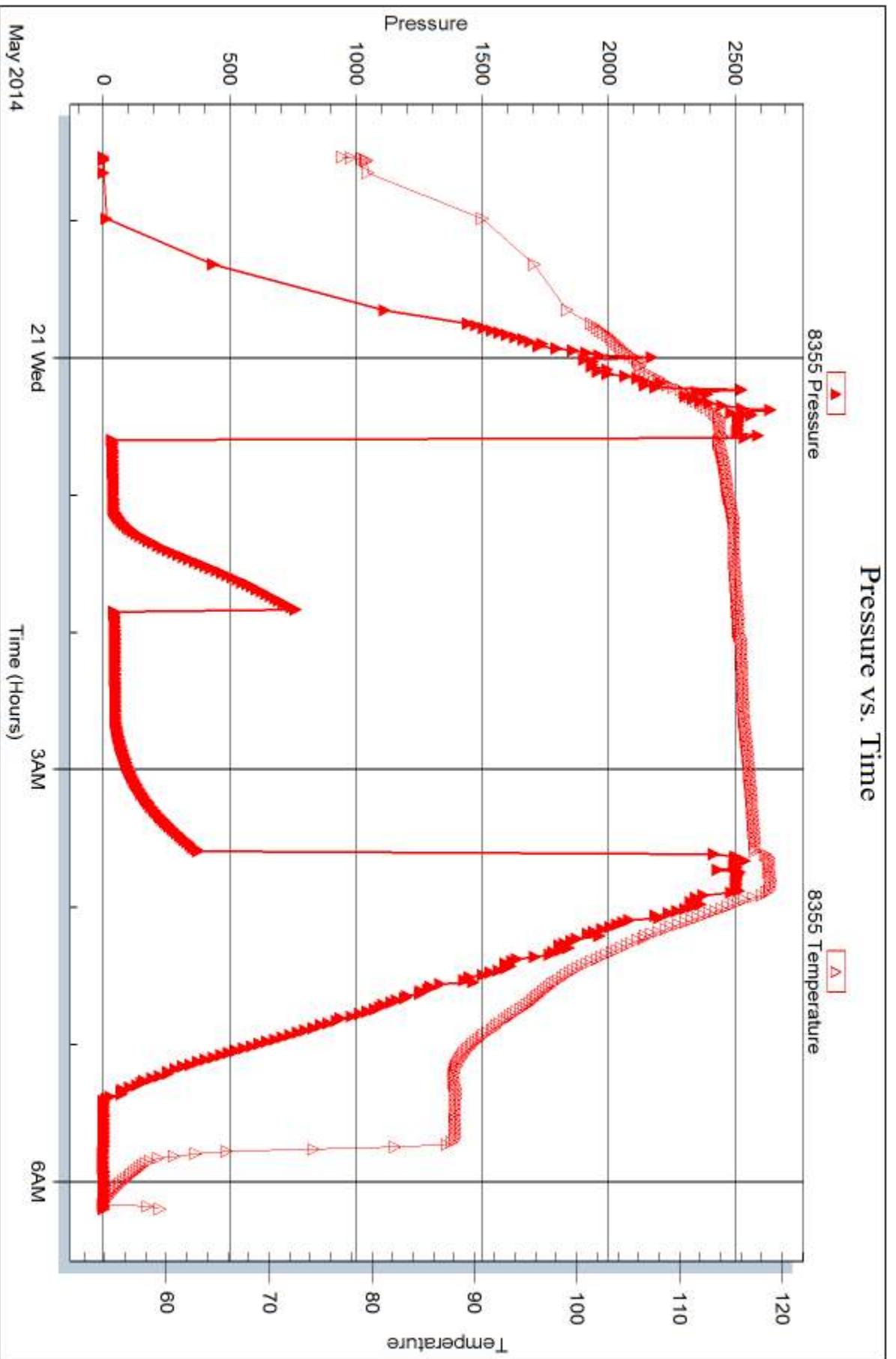


Serial #: 8355

Outside American Warrior Inc.

Handy #5-29

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 57211

Printed: 2014.05.27 @ 15:45:56



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Wyatt Urban

Handy #5-29

29-34s-34w Seward,KS

Start Date: 2014.05.23 @ 17:58:00

End Date: 2014.05.24 @ 03:00:10

Job Ticket #: 57212 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.05.27 @ 15:45:00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc.
PO Box 399
Garden City KS 67846
ATTN: Wyatt Urban

29-34s-34w Seward,KS

Handy #5-29

Job Ticket: 57212

DST#: 4

Test Start: 2014.05.23 @ 17:58:00

GENERAL INFORMATION:

Formation: **Chester**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:30:40

Time Test Ended: 03:00:10

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 72

Interval: 5932.00 ft (KB) To 6010.00 ft (KB) (TVD)

Reference Elevations: 2735.00 ft (KB)

Total Depth: 6010.00 ft (KB) (TVD)

2722.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8674

Inside

Press@RunDepth: 204.04 psig @ 5935.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.23

End Date:

2014.05.24

Last Calib.:

2014.05.24

Start Time:

17:58:00

End Time:

03:00:10

Time On Btm:

2014.05.23 @ 20:29:55

Time Off Btm:

2014.05.23 @ 23:50:24

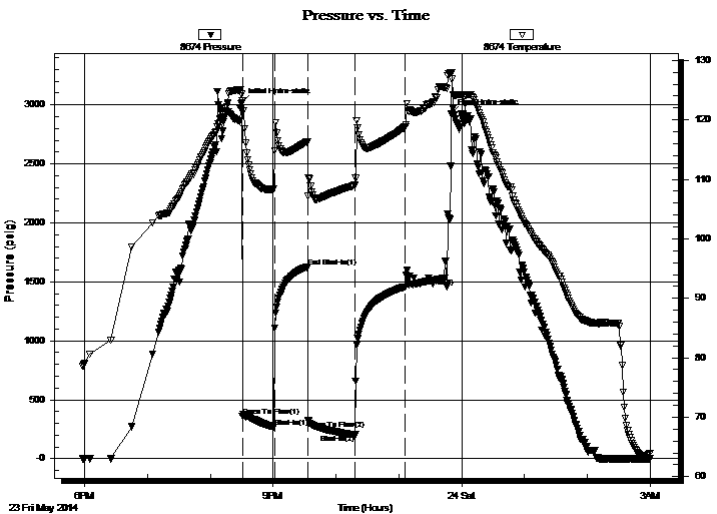
TEST COMMENT: IF- Strong Surface Blow Built BOB in 20sec (Gas to Surface in 5min)

IS- BOB Bled off thru the Shut In Dead at End of Shut In

FF- Strong Surface Blow BOB immediately

FS- BOB Bled it off thru the Shut In Dead at End of Shut In

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3015.13	124.33	Initial Hydro-static
1	362.19	123.28	Open To Flow (1)
32	268.80	108.41	Shut-In(1)
63	1625.49	116.36	End Shut-In(1)
64	322.58	107.25	Open To Flow (2)
109	204.04	109.07	Shut-In(2)
157	1458.44	118.83	End Shut-In(2)
201	2928.62	127.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	GMCW 3%g 29%m 68%w	0.61
5.00	WCM 12%w 88%m	0.02
0.00	5790' of Weak GIP	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	38.00	1506.44
Last Gas Rate	1.00	18.00	931.46
Max. Gas Rate	1.00	39.00	1535.19



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

29-34s-34w Seward,KS

PO Box 399
Garden City KS 67846

Handy #5-29

Job Ticket: 57212

DST#: 4

ATTN: Wyatt Urban

Test Start: 2014.05.23 @ 17:58:00

Tool Information

Drill Pipe:	Length: 5751.00 ft	Diameter: 3.80 inches	Volume: 80.67 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: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 81.57 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	5932.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	105.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5906.00	
Shut In Tool	5.00			5911.00	
Hydraulic tool	5.00			5916.00	
Jars	5.00			5921.00	
Safety Joint	2.00			5923.00	
Packer	5.00			5928.00	27.00 Bottom Of Top Packer
Packer	4.00			5932.00	
Stubb	1.00			5933.00	
Perforations	2.00			5935.00	
Recorder	0.00	8355	Outside	5935.00	
Recorder	0.00	8674	Inside	5935.00	
Perforations	5.00			5940.00	
Change Over Sub	1.00			5941.00	
Drill Pipe	63.00			6004.00	
Change Over Sub	1.00			6005.00	
Bullnose	5.00			6010.00	78.00 Bottom Packers & Anchor
Total Tool Length:	105.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

29-34s-34w Seward,KS

PO Box 399
Garden City KS 67846

Handy #5-29

Job Ticket: 57212

DST#: 4

ATTN: Wyatt Urban

Test Start: 2014.05.23 @ 17:58:00

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:

53000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.35 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
124.00	GMCW 3%g 29%m 68%w	0.610
5.00	WCM 12%w 88%m	0.025
0.00	5790' of Weak GIP	0.000

Total Length: 129.00 ft Total Volume: 0.635 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .134 @ 69f = 53000



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

American Warrior Inc.

29-34s-34w Seward,KS

PO Box 399
Garden City KS 67846

Handy #5-29

Job Ticket: 57212

DST#: 4

ATTN: Wyatt Urban

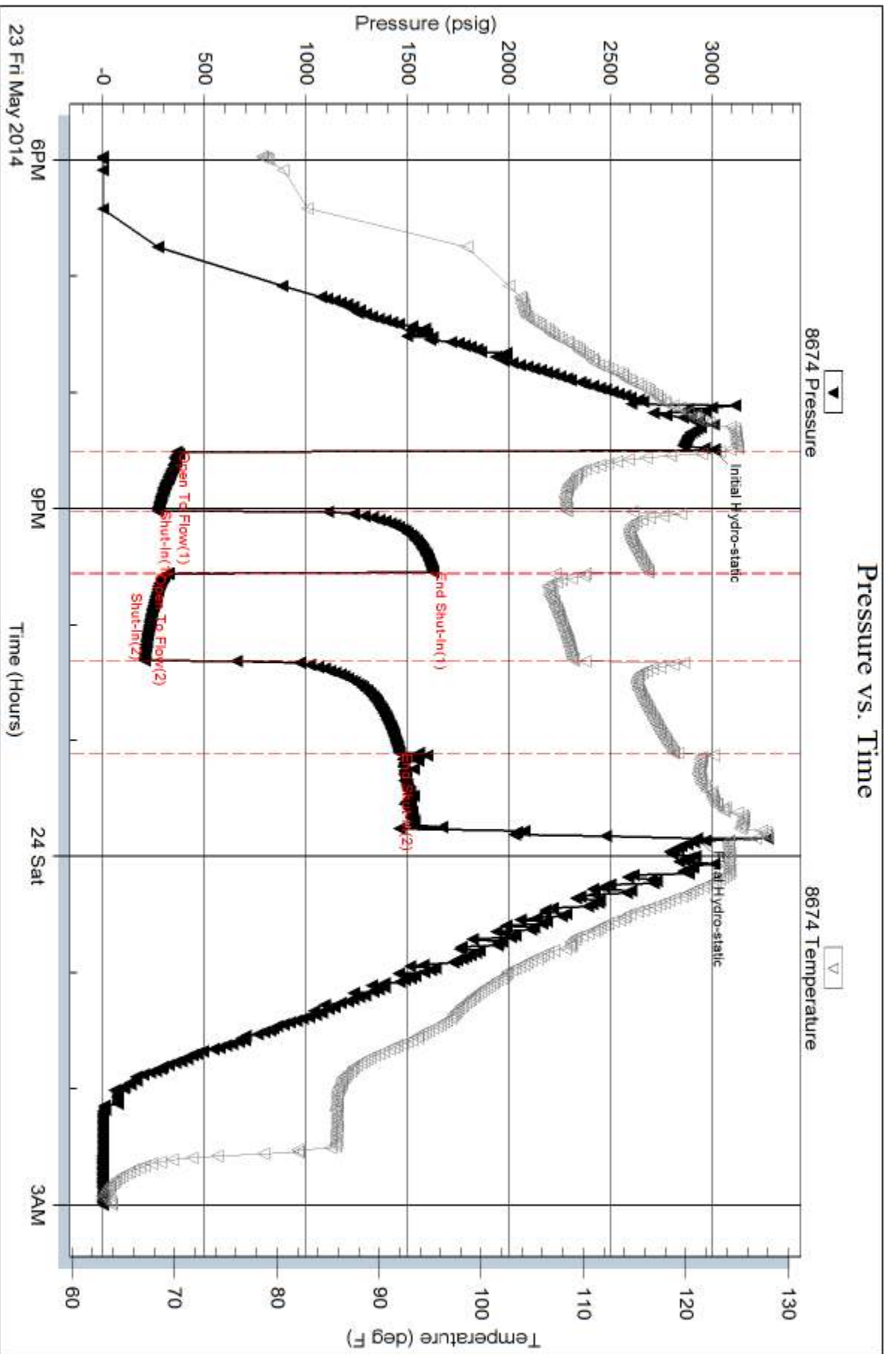
Test Start: 2014.05.23 @ 17:58:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	5	1.00	38.00	1506.44
1	10	1.00	39.00	1535.19
1	15	1.00	38.00	1506.44
1	20	1.00	32.00	1333.94
1	25	1.00	32.00	1333.94
1	30	1.00	28.00	1218.95
2	5	1.00	28.00	1218.95
2	10	1.00	30.00	1276.45
2	15	1.00	29.00	1247.70
2	20	1.00	28.00	1218.95
2	25	1.00	24.00	1103.95
2	30	1.00	22.00	1046.46
2	35	1.00	20.00	988.96
2	40	1.00	20.00	988.96
2	45	1.00	18.00	931.46

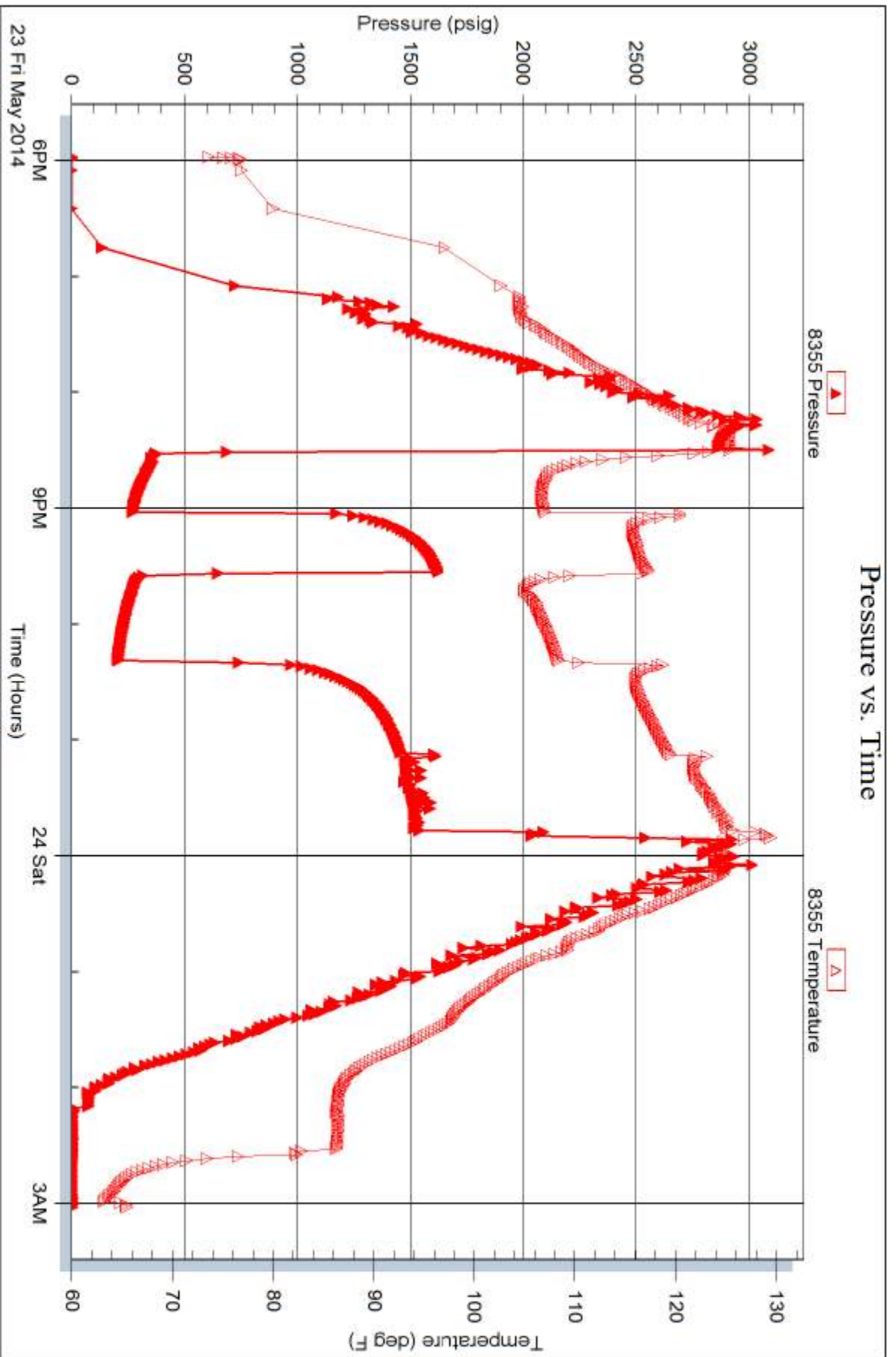


Serial #: 8355

Outside American Warrior Inc.

Handy #5-29

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 57212

Printed: 2014.05.27 @ 15:45:02



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57209

Well Name & No. Handy 45-29 Test No. DST #1 Date 5-17-14
 Company American Warrior Inc Elevation 2735 KB 2722 GL
 Address P.O. Box 399 Garden City KS 67846
 Co. Rep / Geo. Wyatt Urban Rig Duke #9
 Location: Sec. 29 Twp. 34S Rge. 34W Co. Seward State KS

Interval Tested 4370 - 4425 Zone Tested Toronto
 Anchor Length 55' Drill Pipe Run 4173 Mud Wt. 9.3
 Top Packer Depth 4366 Drill Collars Run 184 Vis 46
 Bottom Packer Depth 4370 Wt. Pipe Run 0 WL 8.0
 Total Depth 4425 Chlorides 3400 ppm System LCM 2/6

Blow Description IF- ~~SL~~ Slide 6' to Bottom Surface Blow Built to BOB in 4min
IST- No Blow
FF- Surface Blow Built to BOB in 2min
FST- Very Weak Surface Blow in 18min

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>WGCM with SK mat Oil</u>	<u>3</u>	<u>2</u>	<u>95</u>	<u></u>
<u>61</u>	<u>WGCM with SK mat Oil</u>	<u>24</u>	<u>3</u>	<u>73</u>	<u></u>
<u>61</u>	<u>G-M with a couple Oil Spuds</u>	<u>16</u>	<u></u>	<u>81</u>	<u></u>
<u></u>	<u>744' of Weak G-IP</u>	<u></u>	<u></u>	<u></u>	<u></u>

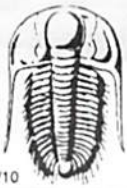
Rec Total 132 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2165 Test 1250 T-On Location 15:02
 (B) First Initial Flow 40 Jars 250 T-Started 15:44
 (C) First Final Flow 62 Safety Joint 75 T-Open 17:52
 (D) Initial Shut-In 562 Circ Sub NIC T-Pulled 20:23
 (E) Second Initial Flow 49 Hourly Standby _____ T-Out 23:00
 (F) Second Final Flow 82 Mileage 241 R/T 378.20 Comments _____
 (G) Final Shut-In 671 Sampler _____
 (H) Final Hydrostatic 1956 Straddle _____

Initial Open 30 Shale Packer _____
 Initial Shut-In 30 Extra Packer _____
 Final Flow 45 Extra Recorder _____
 Final Shut-In 45 Day Standby _____
 Sub Total 1953.20 Accessibility _____
 Total 1953.20 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57210

Well Name & No. Handy # 5-29 Test No. DSI #2 Date 5-18-14
 Company American Warrior Inc Elevation 2735 KB 2722 GL
 Address P.O. Box 399 Garden City KS 67846
 Co. Rep / Geo. Wyatt Urban Rig DuRc #9
 Location: Sec. 29 Twp. 34S Rge. 34W Co. Seward State KS

Interval Tested 4520 - 4600 Zone Tested Upper Lansing
 Anchor Length 80 Drill Pipe Run 4331 Mud Wt. 9.2
 Top Packer Depth 4516 Drill Collars Run 184 Vis 50
 Bottom Packer Depth 4520 Wt. Pipe Run 0 WL 8.8
 Total Depth 4600 Chlorides 2900 ppm System LCM 216

Blow Description IF- Packer Failure Blad it off set it back down took about a 60' Drink (Flashed Tool)
ISI- No Blow
FF- No Blow
FSI- No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>635</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 635 BHT 110 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

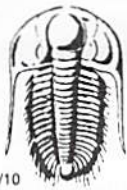
(A) Initial Hydrostatic Test 1250 T-On Location 13:52
 (B) First Initial Flow Jars 250 T-Started 15:00
 (C) First Final Flow Safety Joint 75 T-Open 17:40
 (D) Initial Shut-In Circ Sub N/C T-Pulled 19:50
 (E) Second Initial Flow Hourly Standby _____ T-Out 22:22
 (F) Second Final Flow Mileage 244 R/T 378.20 Comments _____
 (G) Final Shut-In Sampler _____
 (H) Final Hydrostatic Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

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

Sub Total 1953.20

Approved By _____ Our Representative Wyatt Urban

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. 57211

Well Name & No. Handy #5-29 Test No. DST #3 Date 5-20-14
 Company American Warrior Elevation 2735 KB 2722 GL
 Address P.O. Box 399 Garden City KS 67846
 Co. Rep / Geo. Wyatt Urban Rig Duke #9
 Location: Sec. 29 Twp. 34S Rge. 34W Co. Seward State KS

Interval Tested 5223 - 5325 Zone Tested Marmanton
 Anchor Length 102 Drill Pipe Run 5026 Mud Wt. 9.2
 Top Packer Depth 5219 Drill Collars Run 184 Vis 49
 Bottom Packer Depth 5223 Wt. Pipe Run 0 WL 8.4
 Total Depth 5325 Chlorides 3400 ppm System LCM 216

Blow Description IF - Weak Surface Blow Built to 1 1/4"
ISI - No Blow
FF - No Blow
FSI - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>LCM</u>		<u>3</u>	<u>97</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 15 BHT 118 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2538</u>	<input checked="" type="checkbox"/> Test <u>1350</u>	T-On Location <u>21:36</u>
(B) First Initial Flow <u>32</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>22:32</u>
(C) First Final Flow <u>39</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>00:34</u>
(D) Initial Shut-In <u>774</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>3:35</u>
(E) Second Initial Flow <u>41</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>6:10</u>
(F) Second Final Flow <u>45</u>	<input checked="" type="checkbox"/> Mileage <u>244 R/T</u> 378.20	Comments _____
(G) Final Shut-In <u>387</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>2452</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	Sub Total <u>775</u>
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder _____	Total <u>2828.20</u>
Final Shut-In <u>60</u>	<input checked="" type="checkbox"/> Day Standby <u>1d 23.25h</u>	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility _____	
	Sub Total <u>2053.20</u>	

Approved By _____ Our Representative Wyatt Urban
 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. 57212

Well Name & No. Handy #5-29 Test No. DST#4 Date 5-23-14
 Company American Warrior Inc Elevation 2735 KB 2722 GL
 Address P.O. Box 399 Garden City KS 67846
 Co. Rep / Geo. Wyatt Urban Rig Duke Rg #9
 Location: Sec. 29 Twp. 34S Rge. 34W Co. Seward State KS

Interval Tested 5932-6010 Zone Tested Chester
 Anchor Length 78 Drill Pipe Run 5751 Mud Wt. 9.2
 Top Packer Depth 5928 Drill Collars Run 184 Vis 50
 Bottom Packer Depth 5932 Wt. Pipe Run 0 WL 8.4
 Total Depth 6010 Chlorides 3400 ppm System LCM 216

Blow Description IF- Strong Surface Blow Built to BOB in 20 sec (Gas to Surface in 5 min)
ISI- BOB- Bled off thru the Shut In Dead at End of Shot in
FF- Strong Surface Blow Built to BOB Immediately
FSI- BOB Bled off thru the Shut In Dead at End of Shut in

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>WCM</u>		<u>12</u>	<u>88</u>	
<u>124</u>	<u>GMCW</u>	<u>3</u>	<u>68</u>	<u>29</u>	
	<u>5790 at Weak GIP</u>				

Rec Total 129 BHT 127 Gravity _____ API RW .134 @ 69 °F Chlorides 53000 ppm

(A) Initial Hydrostatic 3015 Test 1450 T-On Location 17:08
 (B) First Initial Flow 362 Jars 250 T-Started 17:58
 (C) First Final Flow 268 Safety Joint 75 T-Open 20:30
 (D) Initial Shut-In 1625 Circ Sub N/C T-Pulled 23:50
 (E) Second Initial Flow 322 Hourly Standby _____ T-Out 3:00
 (F) Second Final Flow 204 Mileage 244 R/T x2 Comments Motel
 (G) Final Shut-In 1458 Sampler 756.40 loaded tools 5/24 18:30
 (H) Final Hydrostatic 2928 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer 320
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 45 Day Standby 2d 11h Sub Total 1166.67
 Final Shut-In 45 Accessibility _____ Total 4018.07
 Sub Total 2531.40 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.



NOTES

Company: American Warrior, Inc.

Lease: Handy 5-29

Field: Blue Bell

Location: SE-N-NW-SE (366' FNL& 2285' FEL)

Sec: 29 Twsp: 34S Rge: 31W

County: Seward State: Kansas

KB: 2730' GL: 2717'

API #: 15-175-22216-00-00

Contractor: Duke Drilling Inc. (Rig #9)

Spud: 05/13/2014 Comp: 05/26/2014

RTD: 6500' LTD: 6502'

Mud Up: 4200' Type Mud: Chemical

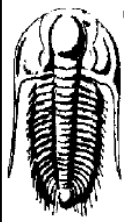
Samples Saved From: 4300' to RTD
 Drilling Time Kept From: 4300' to RTD
 Samples Examined From: 4300' to RTD
 Geological Supervision from: 4300' to RTD
 Geologist on Well: Wyatt Urban

Surface Casing: 8 5/8@1745'

Electronic Surveys: Logged by Pioneer Energy Services, DIL/BHCS, CNL/CDL, MEL

American Warrior , Inc. Well Comparison

DRILLING WELL					COMPARISON WELL				COMPARISON WELL			
American Warrior- Handy 5-29					Charter Production-Sprinkle #1				American Warrior- Handy #1			
SE-NW-NW-SE					C-NW-NW				NE-SW-NE			
29-34S-31W					29-34S-31W				29-34S-31W			
2730 KB					2729 KB		Structural Relationship		2724 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Heebner	4372	-1642	4371	-1641	4369	-1640	-2	-1	4387	-1663	21	22
Toronto	4388	-1658	4389	-1659	4388	-1659	1	0	4412	-1688	30	29
Lansing	4536	-1806	4535	-1805	4535	-1806	0	1	4540	-1816	10	11
Marmaton	5227	-2497	5234	-2504	5220	-2491	-6	-13	5231	-2507	10	3
Morrow	5776	-3046	5774	-3044	5758	-3029	-17	-15	5774	-3050	4	6
Morrow Sd.	5807	-3077	5805	-3075	5804	-3075	-2	0	5822	-3098	21	23
Chester	5918	-3188	5924	-3194	5909	-3180	-8	-14	5914	-3190	2	-4
Ste. Gen	6215	-3485	6229	-3499	6211	-3482	-3	-17	6218	-3494	9	-5
St. Louis	6314	-3584	6325	-3595	6310	-3581	-3	-14	6306	-3582	-2	-13
RTD	6500	-3770	6500	-3770	6470	-3741	-29	-29	6458	-3734	-36	-36
LTD	6502	-3772	6502	-3772					6449	-3725	-47	-47



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

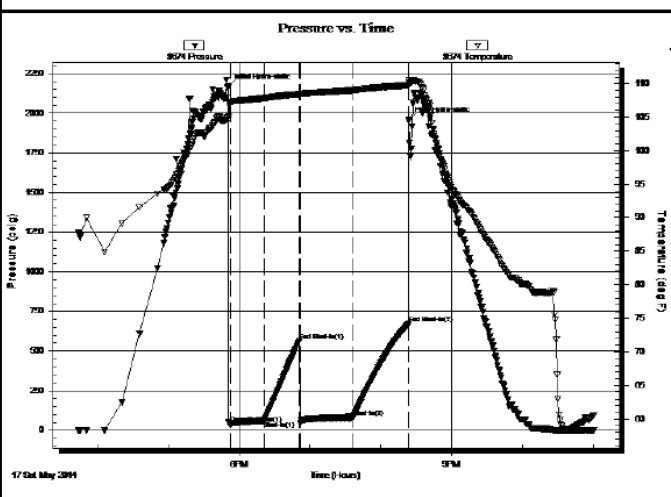
American Warrior Inc. **29-34s-34w Seward Co. KS**
 P.o Box 399 **Handy #5-29**
 Garden City KS. 67846 Job Ticket: 57209 **DST#:1**
 ATTN: Wyatt Urban Test Start: 2014.05.17 @ 15:44:00

GENERAL INFORMATION:

Formation: **Toronto**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 17:52:10 Tester: Will MacLean
 Time Test Ended: 23:00:24 Unit No: 72
 Interval: **4370.00 ft (KB) To 4425.00 ft (KB) (TVD)** Reference Elevations: 2735.00 ft (KB)
 Total Depth: 4425.00 ft (KB) (TVD) 2722.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 13.00 ft

Serial #: 8674 Inside
 Press@RunDepth: 82.11 psig @ 4372.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.05.17 End Date: 2014.05.17 Last Calib.: 2014.05.17
 Start Time: 15:44:00 End Time: 23:00:24 Time On Btm: 2014.05.17 @ 17:50:55
 Time Off Btm: 2014.05.17 @ 20:23:54

TEST COMMENT: IF- Slid 6' to Bottom Surface Blow Built to BOB in 4min
 IS- No Blow
 FF- Surface Blow Built to BOB in 2min
 FS- Very Weak Surface Blow in 18min



PRESSURE SUMMARY

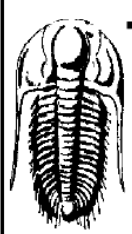
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2165.66	105.06	Initial Hydro-static
2	40.97	107.01	Open To Flow (1)
30	62.31	107.81	Shut-in(1)
61	562.56	108.42	End Shut-in(1)
61	49.10	108.25	Open To Flow (2)
106	82.11	109.01	Shut-in(2)
153	671.30	109.73	End Shut-in(2)
153	1956.89	110.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	GM 16%g 84%m with a couple Oil Spots	0.30
61.00	WGCM 3%w 24%g 73%m with a Skin	0.30
10.00	WGCM 2%w 3%g 95%m with a Skin	0.05
0.00	744' of Weak GIP	0.00

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc. **29-34s-34w Seward Co. KS**
 P.o Box 399 **Handy #5-29**
 Garden City KS. 67846 Job Ticket: 57211 **DST#: 3**
 ATTN: Wyatt Urban Test Start: 2014.05.20 @ 22:32:00

GENERAL INFORMATION:

Formation: **Marmanton**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 00:34:25 Tester: Will MacLean

Time Tool Opened: 06:10:24

Tester: Will MacLean
Unit No: 72

Interval: 5223.00 ft (KB) To 5325.00 ft (KB) (TVD)

Reference Elevations: 2735.00 ft (KB)

Total Depth: 5325.00 ft (KB) (TVD)

2722.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8674 Inside

Press@RunDepth: 45.50 psig @ 5226.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.20 End Date: 2014.05.21

Last Calib.: 2014.05.21

Start Time: 22:32:00 End Time: 06:10:24

Time On Btm: 2014.05.21 @ 00:34:10

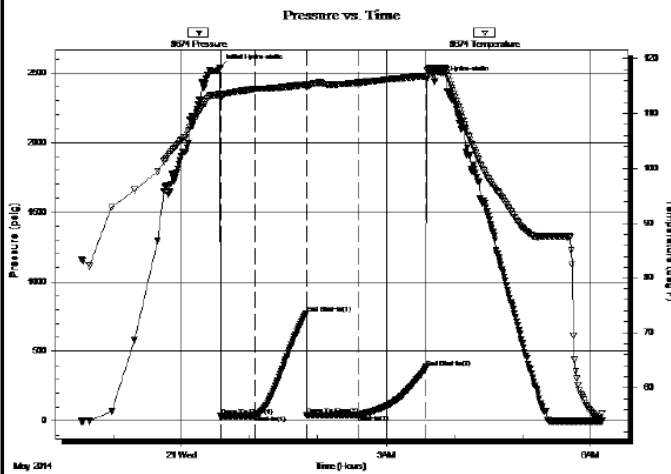
Time Off Btm: 2014.05.21 @ 03:35:39

TEST COMMENT: F- Weak Surface Blow Built to 1 1/4"

FSI- No Blow

FF- No Blow

FSI- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2538.38	113.68	Initial Hydro-static
1	32.40	112.72	Open To Flow (1)
31	39.16	114.48	Shut-In(1)
76	774.00	115.25	End Shut-In(1)
76	41.06	114.88	Open To Flow (2)
121	45.50	115.57	Shut-In(2)
182	387.03	116.84	End Shut-In(2)
182	2452.66	117.80	Final Hydro-static

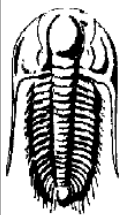
Recovery

Length (ft)	Description	Volume (bbl)
15.00	WCM 3%w 97%m	0.07

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc.

29-34s-34w Seward Co. KS

P.o Box 399
Garden City KS. 67846

Handy #5-29

Job Ticket: 57212 DST#: 4

ATTN: Wyatt Urban

Test Start: 2014.05.23 @ 17:58:00

GENERAL INFORMATION:

Formation: Chester

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 20:30:40

Tester: Will MacLean

Time Test Ended: 03:00:10

Unit No: 72

Interval: 5932.00 ft (KB) To 6010.00 ft (KB) (TVD)

Reference Elevations: 2735.00 ft (KB)

Total Depth: 6010.00 ft (KB) (TVD)

2722.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8674 Inside

Press@RunDepth: 204.04 psig @ 5935.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.23 End Date: 2014.05.24

Last Calib.: 2014.05.24

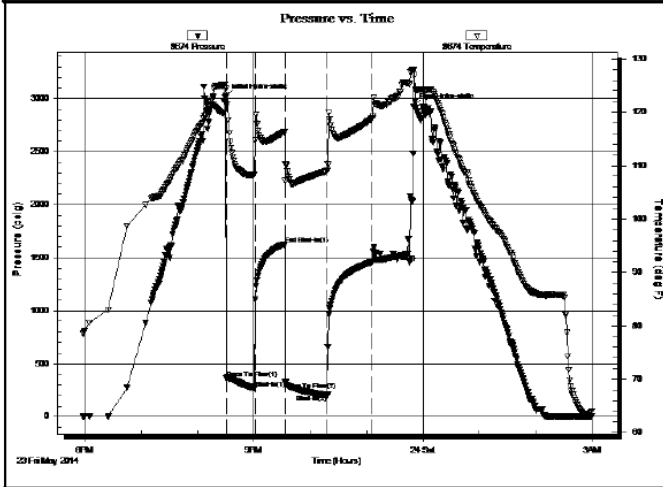
Start Time: 17:58:00 End Time: 03:00:10

Time On Btm: 2014.05.23 @ 20:29:55

Time Off Btm: 2014.05.23 @ 23:50:24

TEST COMMENT: F- Strong Surface Blow Built ROV in 20sec (Gas to Surface in 5min)

TEST COMMENT: FF- Strong Surface Blow Built BOB in 20sec (Gas to Surface in 5min)
 IS- BOB Bled off thru the Shut In Dead at End of Shut In
 FF- Strong Surface Blow BOB immediately
 FS- BOB Bled it off thru the Shut In Dead at End of Shut In



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3015.13	124.33	Initial Hydro-static
1	362.19	123.28	Open To Flow (1)
32	268.80	108.41	Shut-In(1)
63	1625.49	116.36	End Shut-In(1)
64	322.58	107.25	Open To Flow (2)
109	204.04	109.07	Shut-In(2)
157	1458.44	118.83	End Shut-In(2)
201	2928.62	127.97	Final Hydro-static

Length (ft)	Description	Volume (bbl)
124.00	GMCW 3%g 29%m 68%w	0.61
5.00	WCM 12%w 88%m	0.02
0.00	5790' of Weak GP	0.00

* Recovery from multiple tests

	Choke (inches)	Pressure (psig)	Gas Rate (M cf/d)
First Gas Rate	1.00	38.00	1506.44
Last Gas Rate	1.00	18.00	931.46
Max. Gas Rate	1.00	39.00	1535.19

ROCK TYPES

sdy lmst
 shale, gry
 shale, red
 Lmst fw<7
 Carbon Sh
 Ss

ACCESSORIES

FOSSIL
 φ Oolite

OTHER SYMBOLS

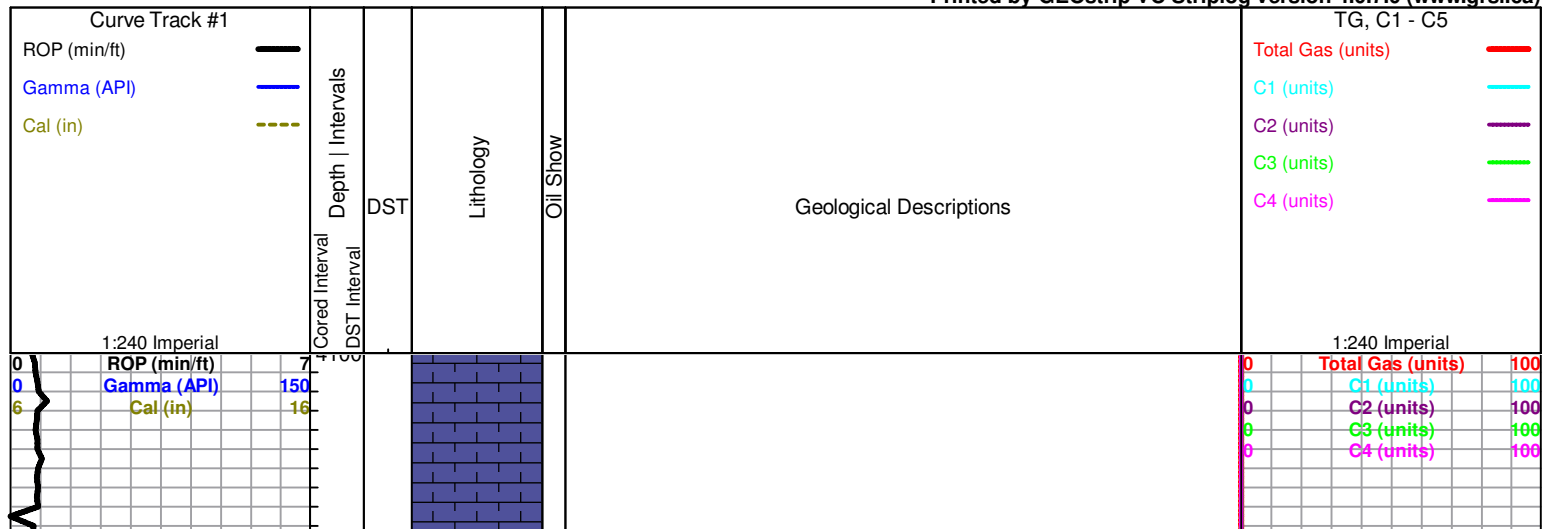
Oil Show

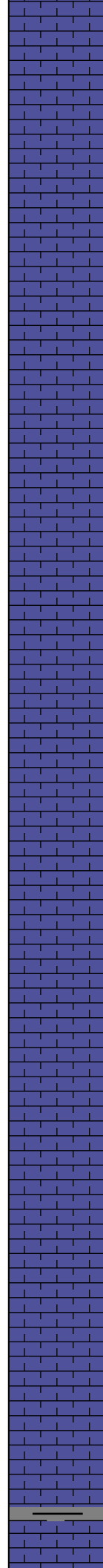
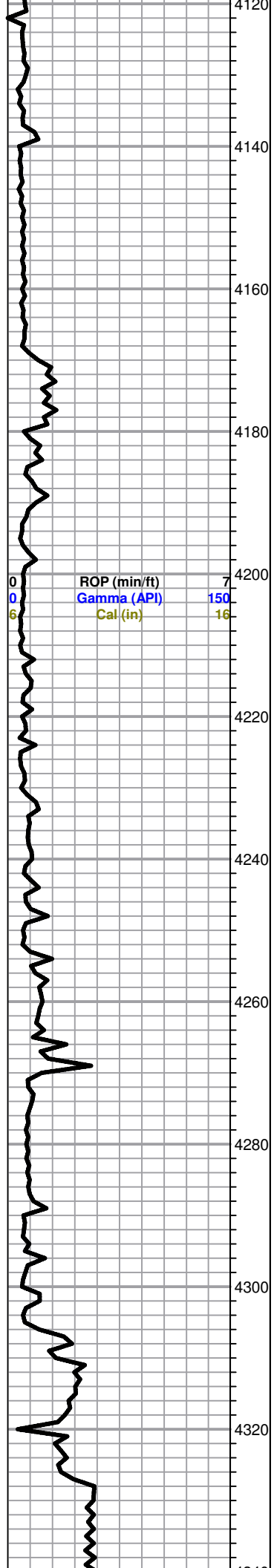
- Good Show
- Fair Show
- Poor Show
- Spotted or Trace
- Questionable Stn
- D Dead Oil Stn
- Fluorescence
- * Gas

DST

- DST Int
- DST alt
- Core
- || tail pipe

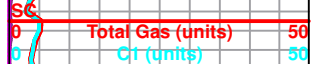
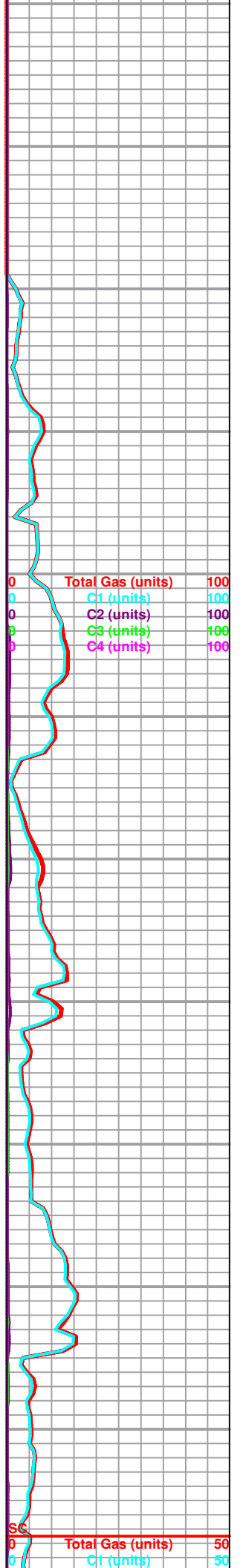
Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)

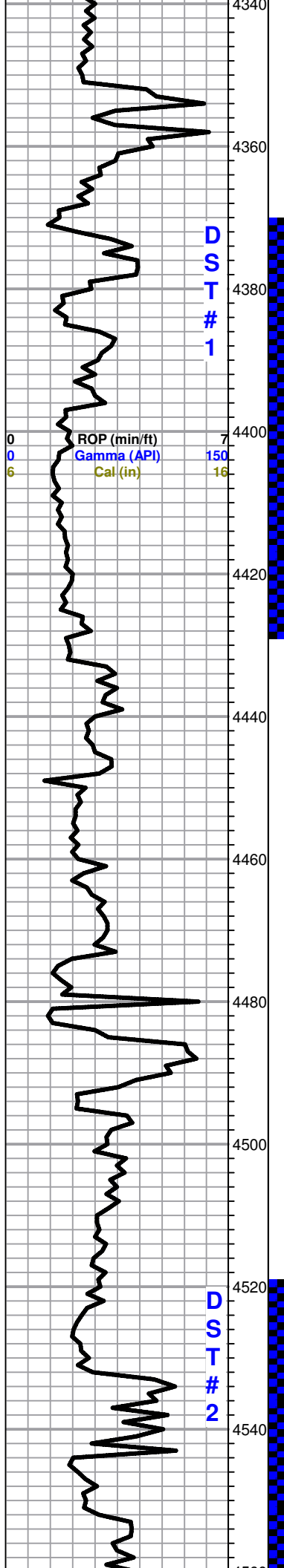




LS, cream to tan, chalky, foss, poor- fair scattered porosity, no shows

LS, cream to tan, FXL, chalky, few foss, poor scattered porosity





Sh. gray, black, silty, trace, LS, cream, FXL, few foss, sl chalky, poor visible porosity no shows

C2 (units) 50
C3 (units) 50
C4 (units) 50

Black, gray, sh.

Heebner 4372 (-1642)

Black carb. Sh.

Toronto 4388 (-1658)

LS, cream to tan, FXL, foss, poor visible porosity, sl. chalky, no shows

Total Gas (units) 50
C1 (units) 50
C2 (units) 50
C3 (units) 50

LS, cream tan, FXL, chalky, few foss, trc. black stain, NSFO, no odor

Total Gas (units) 150
C1 (units) 150
C2 (units) 150
C3 (units) 150
C4 (units) 150

LS, cream to tan, chalky, poor scattered porosity, Lt. flor. cut, Lt. back stain, NSFO, no odor

LS, cream, FXL, chalky, poor visible porosity no shows

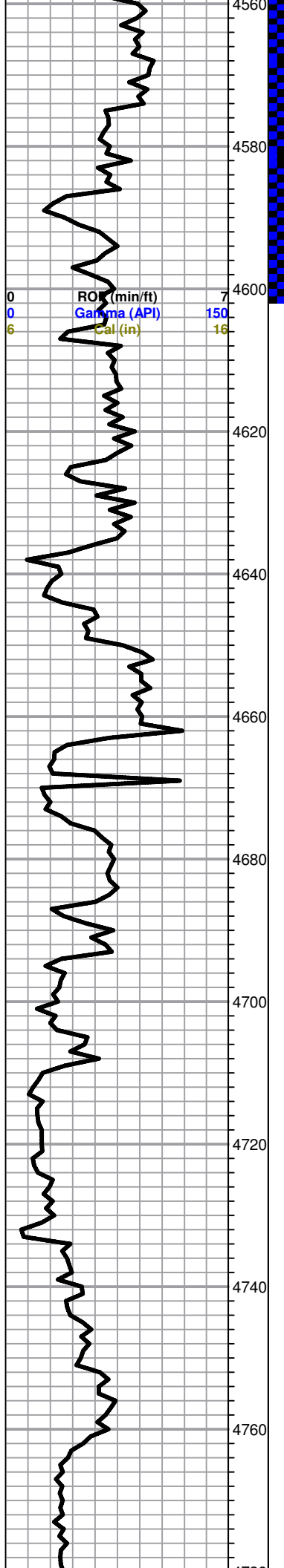
LS, gray/ tan, FXL, dense, cherty in parts, no shows

LS, tan, brown, FXL, dense, chalky in parts, poor visible porosity, no shows, trace gray F. grain sand, N/S

Lansing 4536 (-1806)

DST #2
Misrun

LS, cream, tan, V. chalky, foss, poor scattered porosity, Lt. Flor cut, Trc. Lt. brown stain, no odor



LS, tan, F-MXL, poor scattered porosity, few foss, Lt. flor. cut, trc. brown stain, no odor.

LS, cream to tan, FXL, chalky, Lt. brown stain, good flor. cut, fair odor, Lt. SFO.

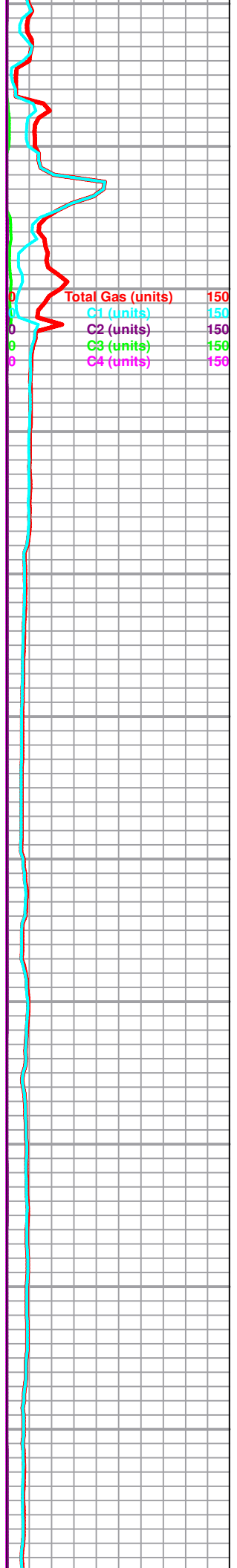
LS, tan to brown, FXL, foss, dns, poor visible porosity, no shows

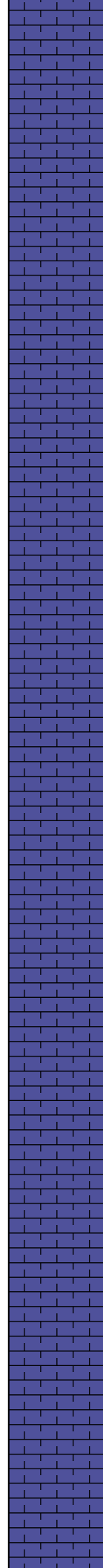
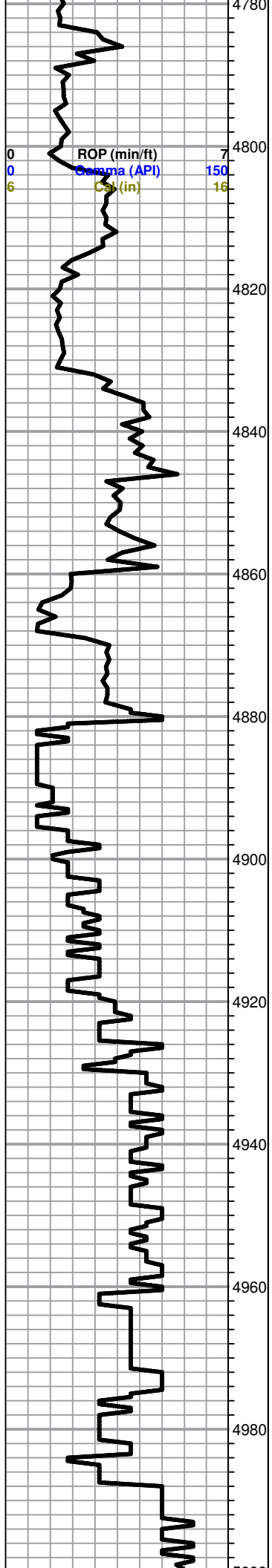
LS, cream, ool, chalky, poorly developed, poor scattered porosity, no shows

LS, tan to brown, FXL, dense, cherty, no shows

LS, cream, ool, poor scattered porosity, chalky, no shows

LS, tan to brown, ool, poorly developed, poor visible porosity, no shows





LS, tan, ool, sandy in parts, poor scattered porosity, no shows

LS, tan, FXL, ool, poor visible porosity, no shows

LS, tan to gray, FXL, dense, poor scattered porosity, no shows

LS, white to gray, FXL cherty, in parts, no visible porosity, no shows

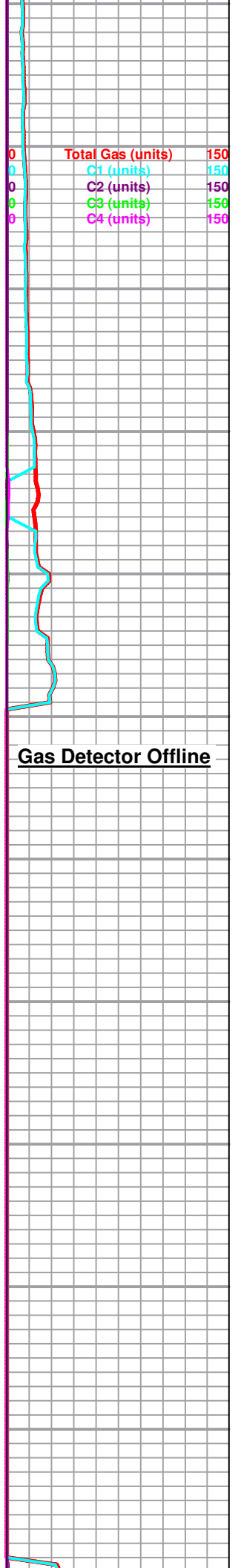
LS, brown, FXL, dense, poor scattered porosity, no shows, trace black carb Sh.

LS, tan, chalky, F-MXL, foss, poor visible porosity, no shows, trace black carb shale

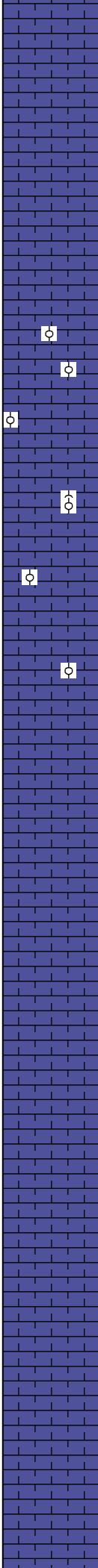
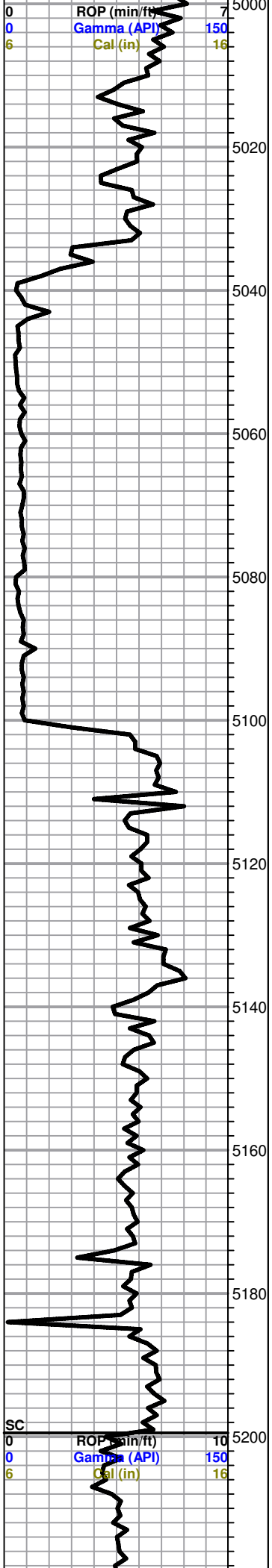
Sh. gray, maroon,

LS, brown, FXL, dense, poor visible porosity, no shows

LS, tan, ool, poor scattered porosity, no shows



Gas Detector Offline



5000
5020
LS, tan to brown, FXL, few foss, poor visible porosity, cherty in parts, no shows

5040
5060
LS, cream to white, ool, v. chalky, good oom porosity, no shows

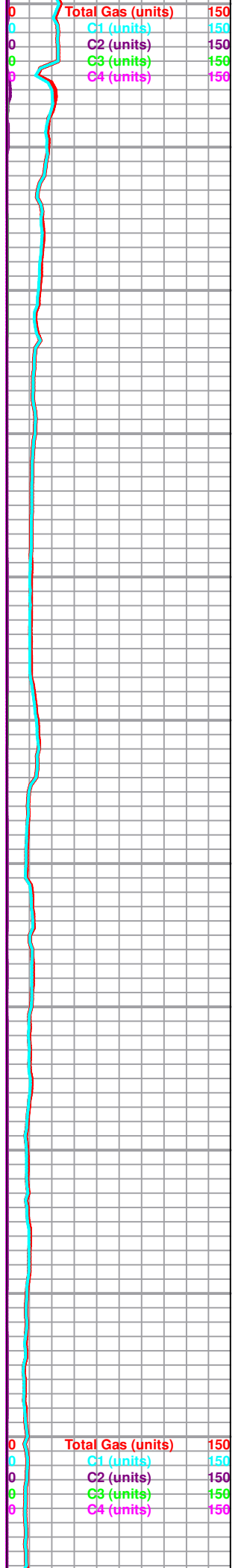
5080
5100
LS, cream to white, oo, chalky, good oom porosity, barren

5120
5140
LS, tan to brown, mottled, FXL, slightly chalky, poor scattered porosity, no shows

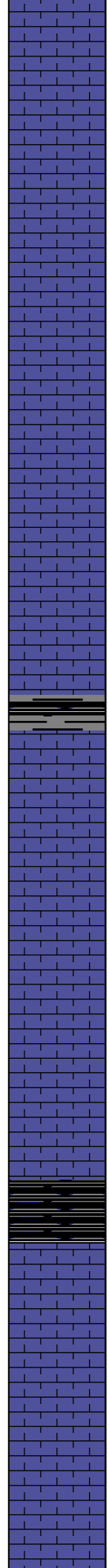
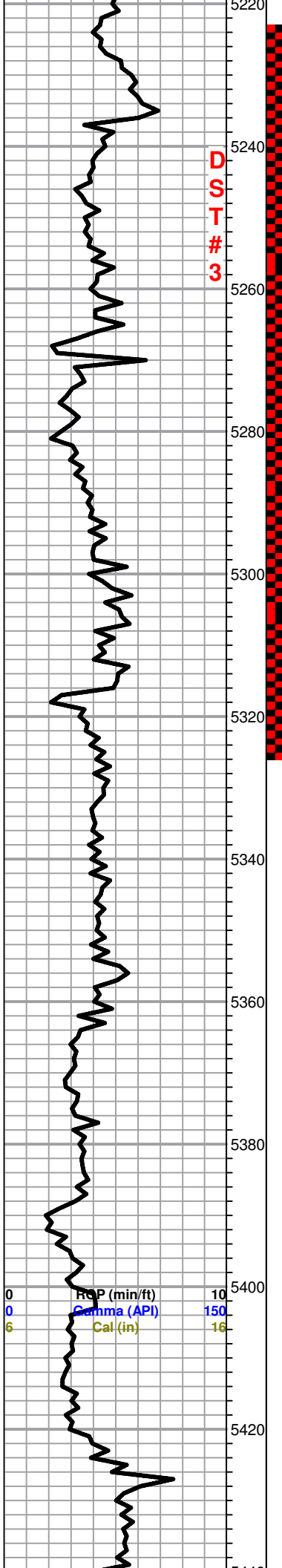
5160
5180
LS, tan to brown, FXL, dense, cherty, poor visible porosity, no shows

5200
SC
LS, brn, FXL, dense, cherty, no shows

LS, A/A



Marmaton 5227 (-2497)



LS, brown to tan, XL, dense, poor visible porosity, cherty no shows

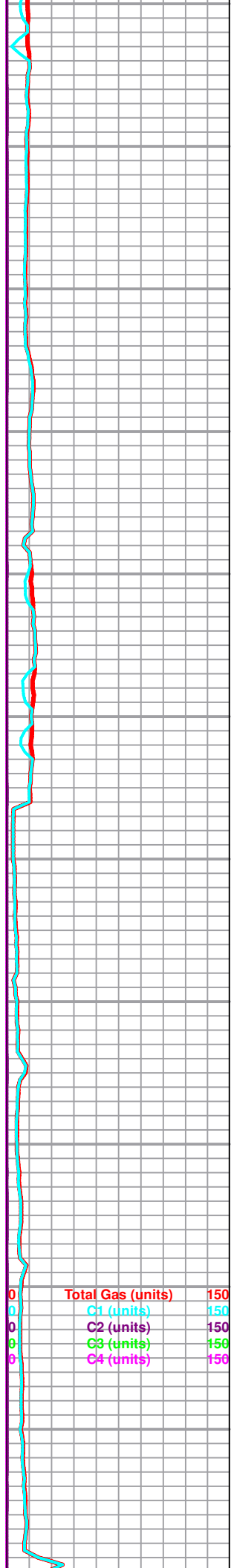
LS, cream to tan, few ool, poor scattered porosity, no shows

Slug gray/ black carb, sh.

LS, tan to ccream, FXL, chalky, poor scattered porosity, no shows

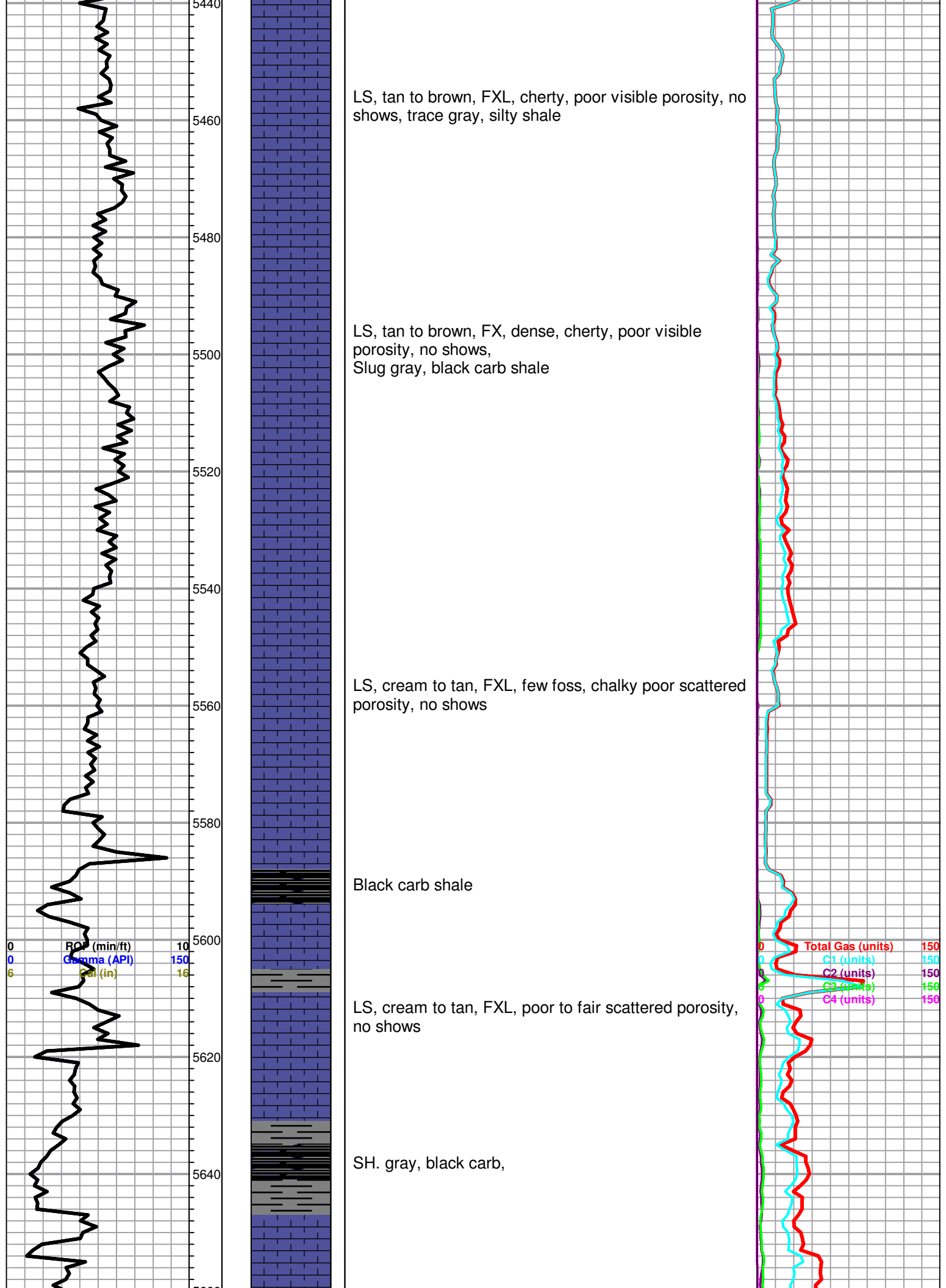
Black carb shale

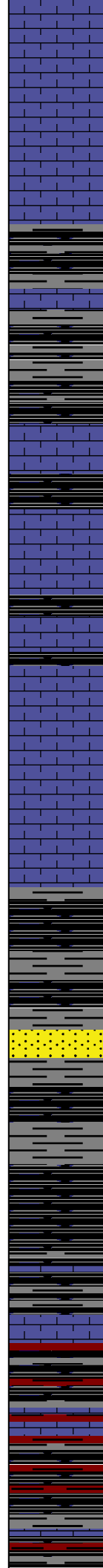
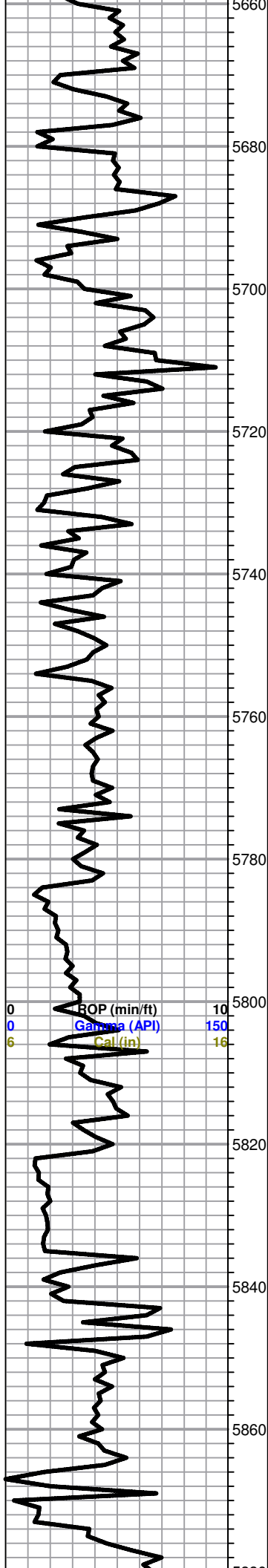
LS, tan to brown, mottled, FXL, chalky, poor scattered porosity, no shows



0 ROP (min/ft) 10
0 Gamma (API) 150
6 Cal (in) 16

0 Total Gas (units) 150
0 C1 (units) 150
0 C2 (units) 150
0 C3 (units) 150
0 C4 (units) 150





LS, tan , M-FXL, poor to fair scattered porosity, chalky, Lt. trc. spty flor cut, NSFO, no odor

Sh. black and gray, silty in parts, trc. LS>< cream to tan, FXL, slightly chalky, NSFO

LS, tan to brown, FXL, foss, poor visible porosity, no shows

Sh. black carb, trace, LS, tan, chalky, foss, poor visible porosity no shows

LS, cream, chalky, oo, poorly developed, poor scattered porosity, no shows

Morrow 5776 (-3048)

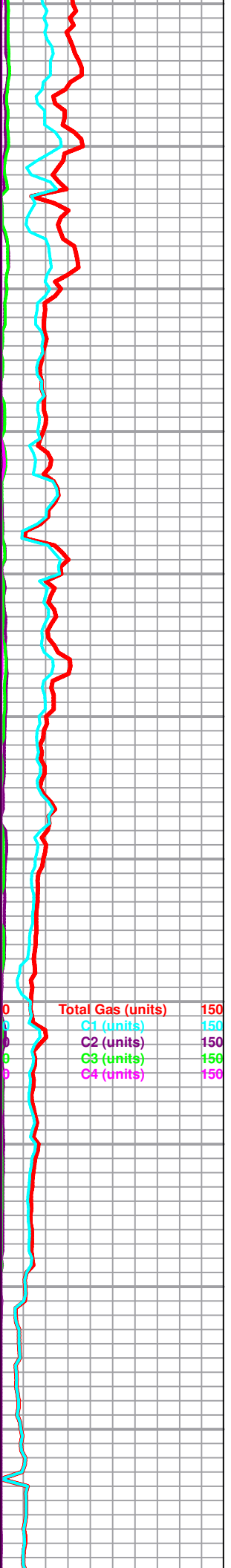
Black carb Sh.

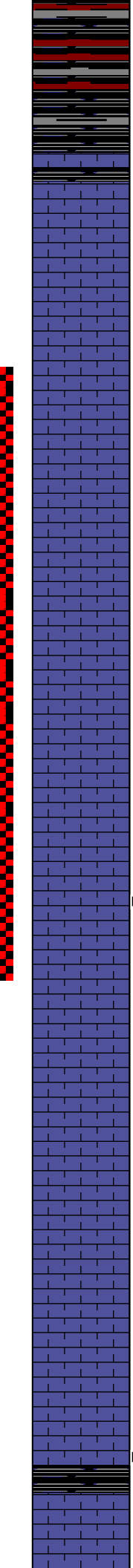
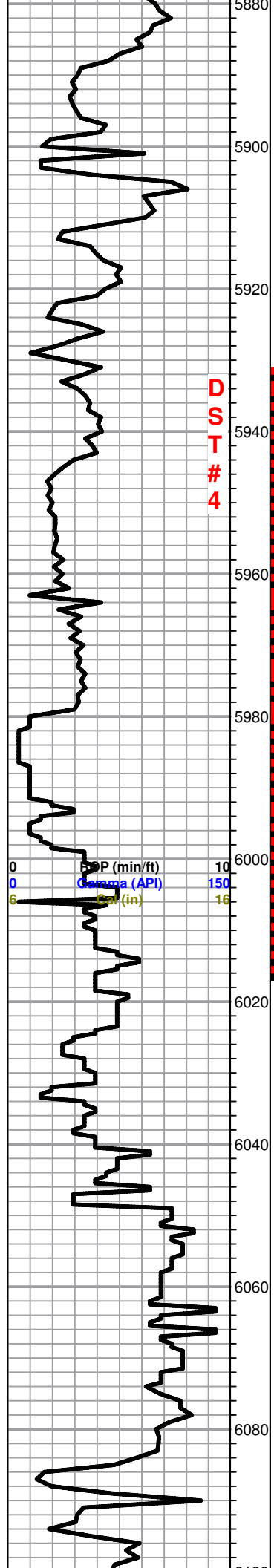
Morrow Sd. 5807

Sd. gray, F-Med. grain, well sorted, no flor., no odor, no stains

LS, cream to gray, FXL, motted, poor scattered porosity, few brown LS, cherty, no shows

Sh. gray, maroon, silty,





Black carb Sh.

Chester 5918 (-3189)

LS, cream to tan, FXL, chalky, poor scattered porosity, no shows

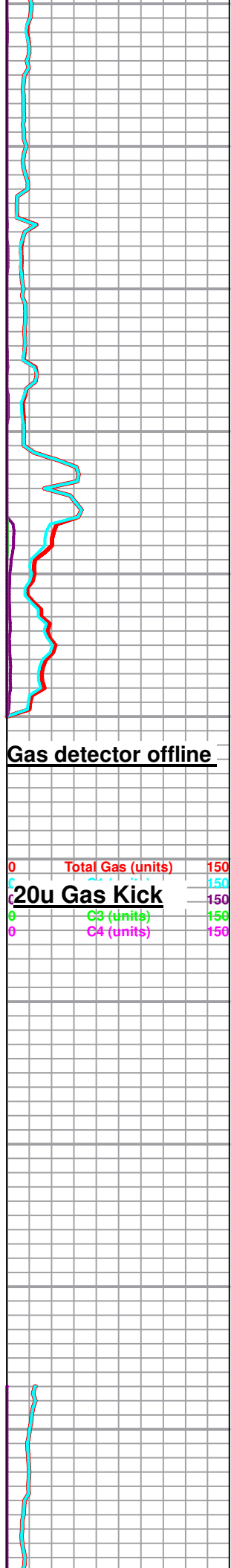
LS, cream, chalky, MXL, dns, poor visible porosity, no shows

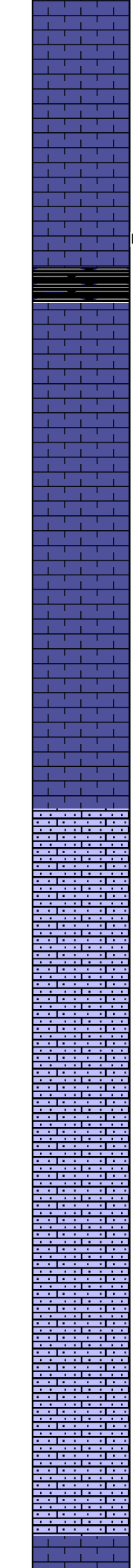
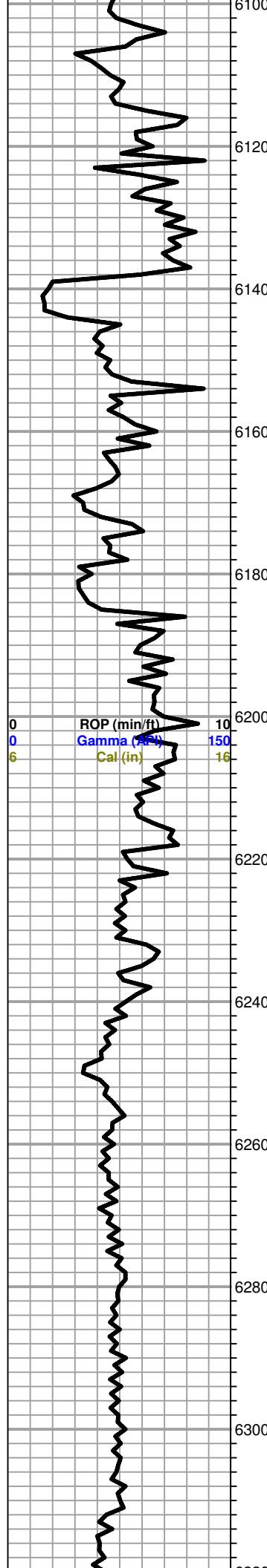
LS, tan to brown, mottled, chalky, poor visible porosity, no shows

LS, cream, V. chalky, poor scattered porosity, Lt. flor. cut, NSFO, no odor, No stain

Slug of gray, black shale

Black carb Sh/ gray, silty, trace chert, white, ool, foss, no shows, trace Lt. flor. cut





Sh. gray, silty, greenish
 LS, tan, gray, V. chalky, poor visible porosity, trc. Lt. brown stain, fair flor. cut, trc. Lt. brown stain, odor???

LS, cream to white, FX, chalky, poor scattered porosity, no shows

LS, tan to brown, FXL, micro ool, poor scattered porosity, no shows

Ste. Gen 6215 (-3485)

Poor samples

LS, tan to gray, greenish, micro ool, FXL, dense, no shows

LS, cream to white, micro ool, dns, no shows, Slug of black gray, maroon, sh.

St. Louis 6314 (-3584)

