



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1223554
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: _____

1223554

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
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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 8-29
Doc ID	1223554

Tops

Name	Top	Datum
Heebner	4400	-1659
Toronto	4425'	-1684
Lansing	4556'	-1815
marmaton	5245'	-2504
Morrow	5781'	-3040
Chester	5917'	-3176
St.Gen	6222'	-3481
St.Louis	6352'	-3611



CEMENTING LOG

Date 6/17/2014 District Liberal # 21 Ticket No. 52568
 Company American Warrior Rig Duke # 9
 Lease HANDEY Well No 8-29
 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 1700

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 0.0637 LIN. FT/BBL _____
 Open Holes BBLs/LIN. FT _____ LIN. FT/BBL _____
 Drill Pipe BBLs/LIN. FT _____ LIN. FT/BBL _____
 Annulus BBLs/LIN. FT 0.0735 LIN. FT/BBL 13.6037
 BBLs/LIN. FT _____ LIN. FT/BBL _____
 Perforations From _____ ft to _____ ft Amt _____

CEMENT DATA
 Spacer Type 5 BBL WATER
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

LEAD: Time _____ hrs. Type CLASS A
65/35, 6%GEL, 3%BWOC CC, 1/4 FLOSEAL Excess _____
 Amt. 700 Sks Yield 2 ft³/sk Density 12.46 PPG

TAIL: Time _____ hrs. Type CLASS A
3%cc, 1/4 floreal Excess _____
 Amt. 200 Sks Yield 1.2 ft³/sk Density 15.63 PPG
 WATER Lead 10.9 Gal/sk Tail 5.2 Gal/sk Total _____ BBLs

Pump Trucks Used: 903-501
 Bulk Equipment 705-642
956-841

Float Equipment: Manufacturer WEATHERFORD
 Shoe: Type GUIDE SHOE Depth 1700
 Float: Type AFU Insert Valve Depth 1658
 Centralizers: Quantity 3 Plugs Top 1 Bottom _____
 Stage Collars _____
 Special Equipment 1 Cement Basket @ 900 ft
 Disp: Fluid Type H2O Amt 105.6 bbls Weight 8.34 PPG
 Mud Type _____ Weight _____

COMPANY REPRESENTATIVE _____ CEMENTER ALDO ESPINOZA

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	
130PM						ARRIVE TO LOCATION - RUN FLOAT EQUIPMENT
615PM						CASING ON BOTTOM
630PM						RIG UP
645PM						SAFETY MEETING
700PM						PRESSURE TEST
702PM		80		5		5 BBL WATER SPACER
706PM		200		254		PUMP 249 BBL OF LEAD SLURRY CEMENT
748PM		120		297		PUMP 43 BBL OF TAIL SLURRY CEMENT
800PM						RELEASE PLUG- START DISPLACEMENT
805PM		140		317		20 BBL GONE
810PM		180		337		40 BBL GONE
814PM		260		357		60BBLGONE
818PM		340		377		80 BBL GONE
822PM		400		397		100 BBL GONE SLOW DOWN TO 3 BPM
826PM		420		403		BUMP PLUG
						RELEASE PRESSURE, CHECK FLOATS
						RIG UP
						LEAVE LOCATION
						90 BBL OF CEMENT BACK
						BY EMIGDIO'S REQUEST MIX LEAD SLURRY @ 13 # / G

FINAL DISP. PRESS. 420 PSI BUMP PLUG TO 990 PSI BLEEDBACK 0.5 BBLs THANK YOU

Customer <i>Palmer</i>	Lease No.	Date <i>6-29-14</i>
Lease <i>Handy</i>	Well # <i>8-29</i>	Service Receipt <i>05888</i>
Casing <i>5 1/2" MS</i>	County <i>Seward</i>	State <i>KS</i>
Job Type <i>242-5 1/2" Production</i>	Formation	Legal Description <i>29-34-31</i>

Pipe Data		Perforating Data		Cement Data
Casing size <i>5 1/2" 15.5'</i>	Tubing Size	Shots/Ft		Lead <i>450 sk AA2</i>
Depth <i>6496'</i>	Depth	From	To	Tail in
Volume <i>Disp-1536 bbl</i>	Volume	From	To	
Max Press <i>1500#</i>	Max Press	From	To	
Well Connection <i>ID-6500</i>	Annulus Vol.	From	To	
Plug Depth <i>ST 42'</i>	Packer Depth	From	To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>8:00</i>					<i>on loc-site assessment</i>
<i>8:05</i>					<i>spot trucks rig up</i>
<i>10:00</i>					<i>start csq, float equip</i>
<i>12:30</i>					<i>csq on dm, break circ</i>
<i>1:30</i>					<i>safety meeting - ISA</i>
<i>1:31</i>	<i>200</i>		<i>5</i>	<i>4</i>	<i>pressure test 2500#</i>
<i>1:33</i>	<i>200</i>		<i>12</i>	<i>4</i>	<i>dump 5 bbl 470 spacer</i>
<i>1:37</i>	<i>200</i>		<i>5</i>	<i>4</i>	<i>dump 12 bbl superflush (500 gal)</i>
<i>1:40</i>	<i>150</i>		<i>121</i>	<i>5</i>	<i>dump 5 bbl 470 spacer</i>
					<i>mix + pump 150 sk AA2 @</i>
					<i>14.8 # - 1.51 @ 3/sk</i>
<i>2:00</i>					<i>wash lines</i>
<i>2:03</i>	<i>100</i>		<i>0</i>	<i>6</i>	<i>drop latch down plug - disp csq</i>
<i>2:40</i>	<i>1700</i>		<i>145</i>	<i>2</i>	<i>slow rate</i>
<i>2:45</i>	<i>1700</i>		<i>1536</i>	<i>0</i>	<i>land plug, float held</i>
			<i>13</i>	<i>3</i>	<i>plug ratl + mouse holes w/</i>
					<i>50 sk 60/40 Poz</i>
					<i>job complete</i>

Service Units	<i>34726</i>	<i>27462</i>	<i>304163-19566</i>	<i>19827-19883</i>
Driver Names	<i>A. Rivera</i>	<i>E. Mendoza</i>	<i>N. Bowers</i>	<i>C. Garcia</i>

J. Smith
 Customer Representative

J. Bennett
 Station Manager

A. Rivera
 Cementer



1700 S. Country Estates Rd.
 Liberal, Kansas 67905
 Phone 620-624-2277

FIELD SERVICE TICKET
 1717 05888 A

DATE _____ TICKET NO. _____

DATE OF JOB: 6-29-14 DISTRICT: 1717		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER: Palmer Oil		LEASE: Handy # 8-29		WELL NO.:					
ADDRESS:		COUNTY: Seward		STATE: KS					
CITY: STATE:		SERVICE CREW: E. Mendoza, D. Bowers, C. Gore							
AUTHORIZED BY: J. Bennett		JOB TYPE: 242- 5 1/2" Production							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM/PM	TIME
31726	8						6-29-14		5:00
27462	8					ARRIVED AT JOB		AM/PM	8:00
30463	8					START OPERATION		AM/PM	1:00
19566	8					FINISH OPERATION		AM/PM	2:00
19827	8					RELEASED		AM/PM	3:00
19883	8					MILES FROM STATION TO WELL			15 MI

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *[Signature]*
 (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CC1105	AA2	sk	450		
CC1103	60/40 Poz	sk	50		
CC11B	Gypsum	lb	2115		
CC111	SNT		2190		
CC1103	C-15		254		
CC1105	C-41P		106		
CC201	Gilsonite		2250		
CF251	5/2" Auto Fill Float Shoe	ea	1		
CF607	Catch Down Plug + Baffle		1		
CF4152	Turbolizers		12		
CF4553	Basket		3		
CF3000	Thread Lock		1		
CC155	Superflush	gal	500		
E101	Heavy Equipment Mileage	mi	45		

SUB TOTAL 18,111.86

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE: <i>[Signature]</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>[Signature]</i>
FIELD SERVICE ORDER NO. _____	(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

3118 Cummings Rd.
Garden City, KS 67846

ATTN: Wyatt Urban

Handy #8-29

29 34s 31w Seward,KS

Start Date: 2014.06.20 @ 11:27:00

End Date: 2014.06.20 @ 18:30:30

Job Ticket #: 54918 DST #: 1

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

Printed: 2014.06.27 @ 14:55:46



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior, Inc.

29 34s 31w Seward, KS

3118 Cummings Rd.
Garden City, KS 67846

Handy #8-29

Job Ticket: 54918

DST#: 1

ATTN: Wyatt Urban

Test Start: 2014.06.20 @ 11:27:00

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:19:30

Time Test Ended: 18:30:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 69

Interval: 4399.00 ft (KB) To 4455.00 ft (KB) (TVD)

Reference Elevations: 2741.00 ft (KB)

Total Depth: 4455.00 ft (KB) (TVD)

2729.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 8522 Outside

Press@RunDepth: 844.89 psig @ 4400.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.20

End Date: 2014.06.20

Last Calib.: 2014.06.20

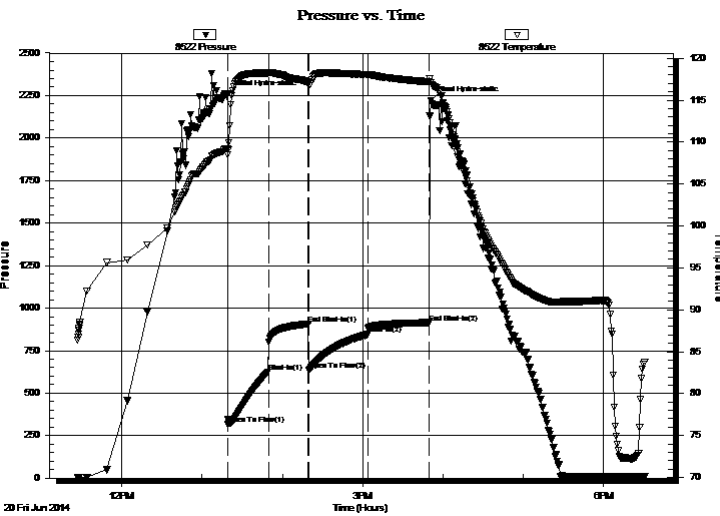
Start Time: 11:27:05

End Time: 18:30:29

Time On Btm: 2014.06.20 @ 13:19:00

Time Off Btm: 2014.06.20 @ 15:50:45

TEST COMMENT: IF: BOB @ 1 min.
IS: 1/2" return.
FF: BOB @ 3 min.
FS: 1/2" return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2258.31	109.23	Initial Hydro-static
1	318.11	109.05	Open To Flow (1)
31	624.15	118.23	Shut-In(1)
61	906.52	117.14	End Shut-In(1)
61	636.00	117.04	Open To Flow (2)
105	844.89	118.01	Shut-In(2)
151	915.33	117.16	End Shut-In(2)
152	2222.26	117.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1610.00	mcw 5m 95w (oil spots in tool)	20.96

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

29 34s 31w Seward,KS

3118 Cummings Rd.
Garden City, KS 67846

Handy #8-29

Job Ticket: 54918

DST#: 1

ATTN: Wyatt Urban

Test Start: 2014.06.20 @ 11:27:00

Tool Information

Drill Pipe:	Length: 4206.00 ft	Diameter: 3.80 inches	Volume: 59.00 bbl	Tool Weight: 2500.00 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: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 59.88 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	4399.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 ft			
Tool Length:	83.00 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			4373.00	
Shut In Tool	5.00			4378.00	
Hydraulic tool	5.00			4383.00	
Jars	5.00			4388.00	
Safety Joint	2.00			4390.00	
Packer	5.00			4395.00	27.00 Bottom Of Top Packer
Packer	4.00			4399.00	
Stubb	1.00			4400.00	
Recorder	0.00	8365	Inside	4400.00	
Recorder	0.00	8522	Outside	4400.00	
Perforations	19.00			4419.00	
Change Over Sub	1.00			4420.00	
Drill Pipe	31.00			4451.00	
Change Over Sub	1.00			4452.00	
Bullnose	3.00			4455.00	56.00 Bottom Packers & Anchor

Total Tool Length: 83.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

29 34s 31w Seward,KS

3118 Cummings Rd.
Garden City, KS 67846

Handy #8-29

Job Ticket: 54918

DST#: 1

ATTN: Wyatt Urban

Test Start: 2014.06.20 @ 11:27:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

65000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.17 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1610.00	mcw 5m 95w (oil spots in tool)	20.963

Total Length: 1610.00 ft Total Volume: 20.963 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

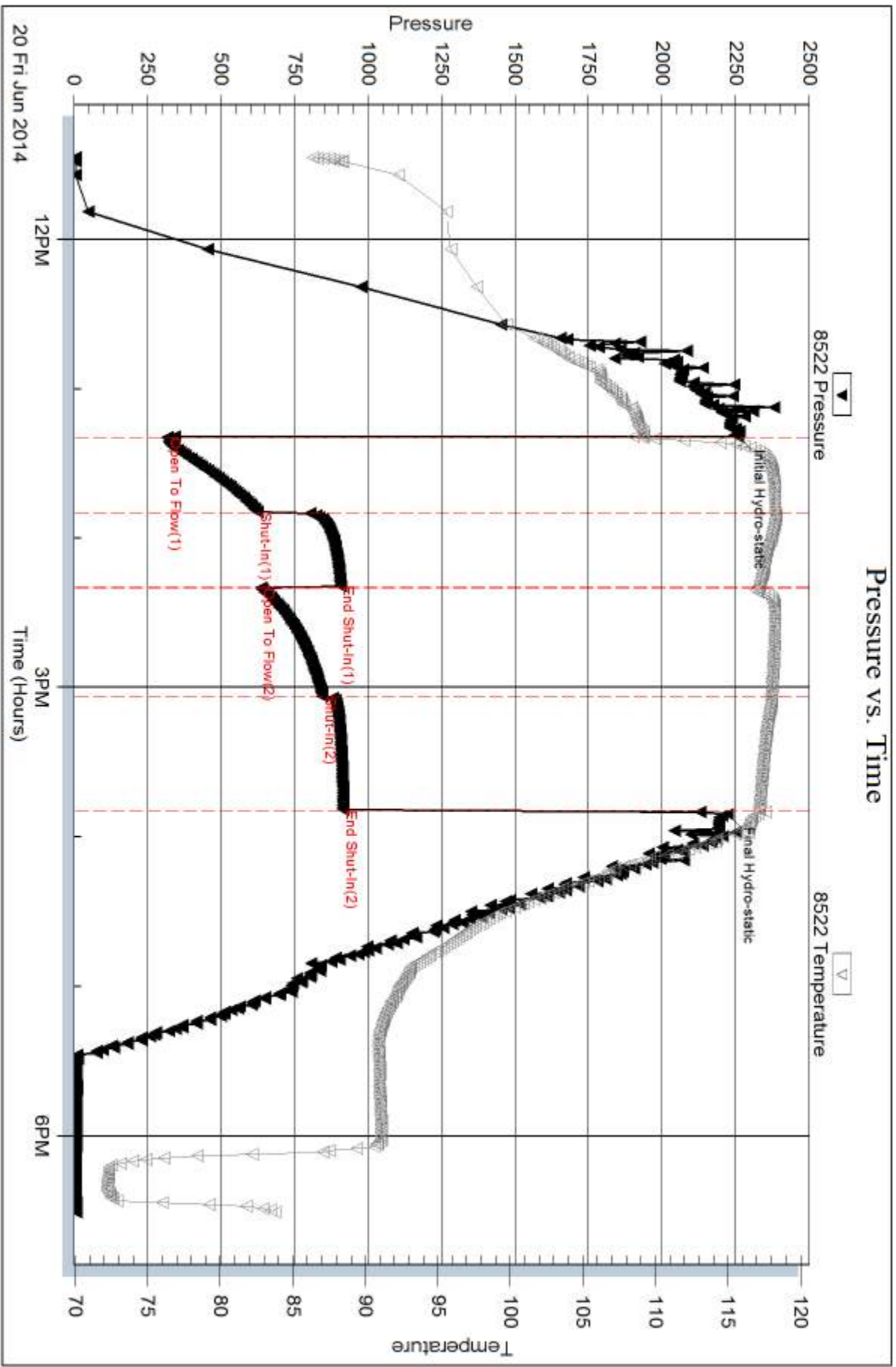
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .095 @ 85 = 65000ppm

no evidence of gas on recovery





DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

3118 Cummings Rd.
Garden City, KS 67846

ATTN: Wyatt Urban

Handy #8-29

29 34s 31w Seward,KS

Start Date: 2014.06.23 @ 16:15:00

End Date: 2014.06.24 @ 00:07:15

Job Ticket #: 54919 DST #: 2

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

Printed: 2014.06.27 @ 14:54:27



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc.

29 34s 31w Seward, KS

3118 Cummings Rd.
Garden City, KS 67846

Handy #8-29

Job Ticket: 54919

DST#: 2

ATTN: Wyatt Urban

Test Start: 2014.06.23 @ 16:15:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:38:30

Time Test Ended: 00:07:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: 5311.00 ft (KB) To 5349.00 ft (KB) (TVD)

Reference Elevations: 2741.00 ft (KB)

Total Depth: 5311.00 ft (KB) (TVD)

2729.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 8522 Outside

Press@RunDepth: 648.39 psig @ 5312.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.23

End Date:

2014.06.24

Last Calib.:

2014.06.24

Start Time: 16:15:05

End Time:

00:07:14

Time On Btm:

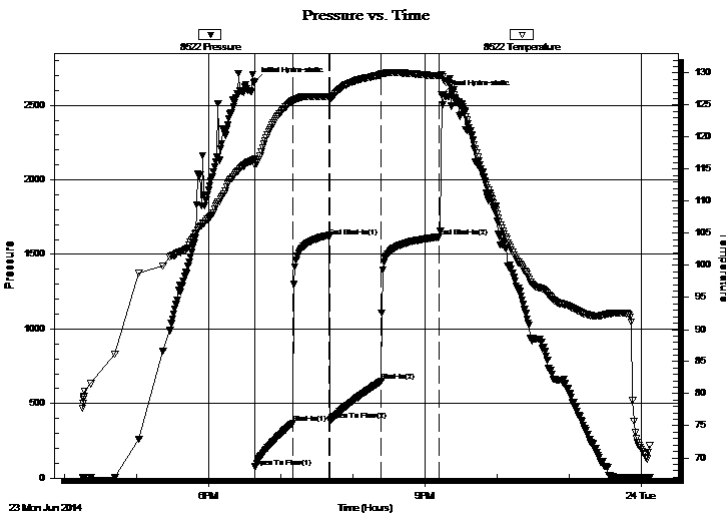
2014.06.23 @ 18:38:15

Time Off Btm:

2014.06.23 @ 21:13:45

TEST COMMENT: IF: BOB @ 5 min.
IS: No return.
FF: BOB @ 6 min.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2657.27	116.57	Initial Hydro-static
1	75.35	115.72	Open To Flow (1)
32	368.76	125.62	Shut-In(1)
62	1620.84	126.34	End Shut-In(1)
63	385.31	125.92	Open To Flow (2)
106	648.39	129.71	Shut-In(2)
154	1616.70	129.55	End Shut-In(2)
156	2568.44	129.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1260.00	mcw 3m 97w (oil spots in tool)	16.05

* 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 31w Seward,KS

3118 Cummings Rd.
Garden City, KS 67846

Handy #8-29

Job Ticket: 54919

DST#: 2

ATTN: Wyatt Urban

Test Start: 2014.06.23 @ 16:15:00

Tool Information

Drill Pipe:	Length: 5121.00 ft	Diameter: 3.80 inches	Volume: 71.83 bbl	Tool Weight: 2500.00 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: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 72.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 73000.00 lb
Depth to Top Packer:	5311.00 ft			Final 79000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 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			5285.00	
Shut In Tool	5.00			5290.00	
Hydraulic tool	5.00			5295.00	
Jars	5.00			5300.00	
Safety Joint	2.00			5302.00	
Packer	5.00			5307.00	27.00 Bottom Of Top Packer
Packer	4.00			5311.00	
Stubb	1.00			5312.00	
Recorder	0.00	8365	Inside	5312.00	
Recorder	0.00	8522	Outside	5312.00	
Perforations	2.00			5314.00	
Change Over Sub	1.00			5315.00	
Drill Pipe	30.00			5345.00	
Change Over Sub	1.00			5346.00	
Bullnose	3.00			5349.00	38.00 Bottom Packers & Anchor

Total Tool Length: 65.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

29 34s 31w Seward,KS

3118 Cummings Rd.
Garden City, KS 67846

Handy #8-29

Job Ticket: 54919

DST#: 2

ATTN: Wyatt Urban

Test Start: 2014.06.23 @ 16:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

52000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.17 in³

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
1260.00	mcw 3m 97w (oil spots in tool)	16.053

Total Length: 1260.00 ft Total Volume: 16.053 bbl

Num Fluid Samples: 0

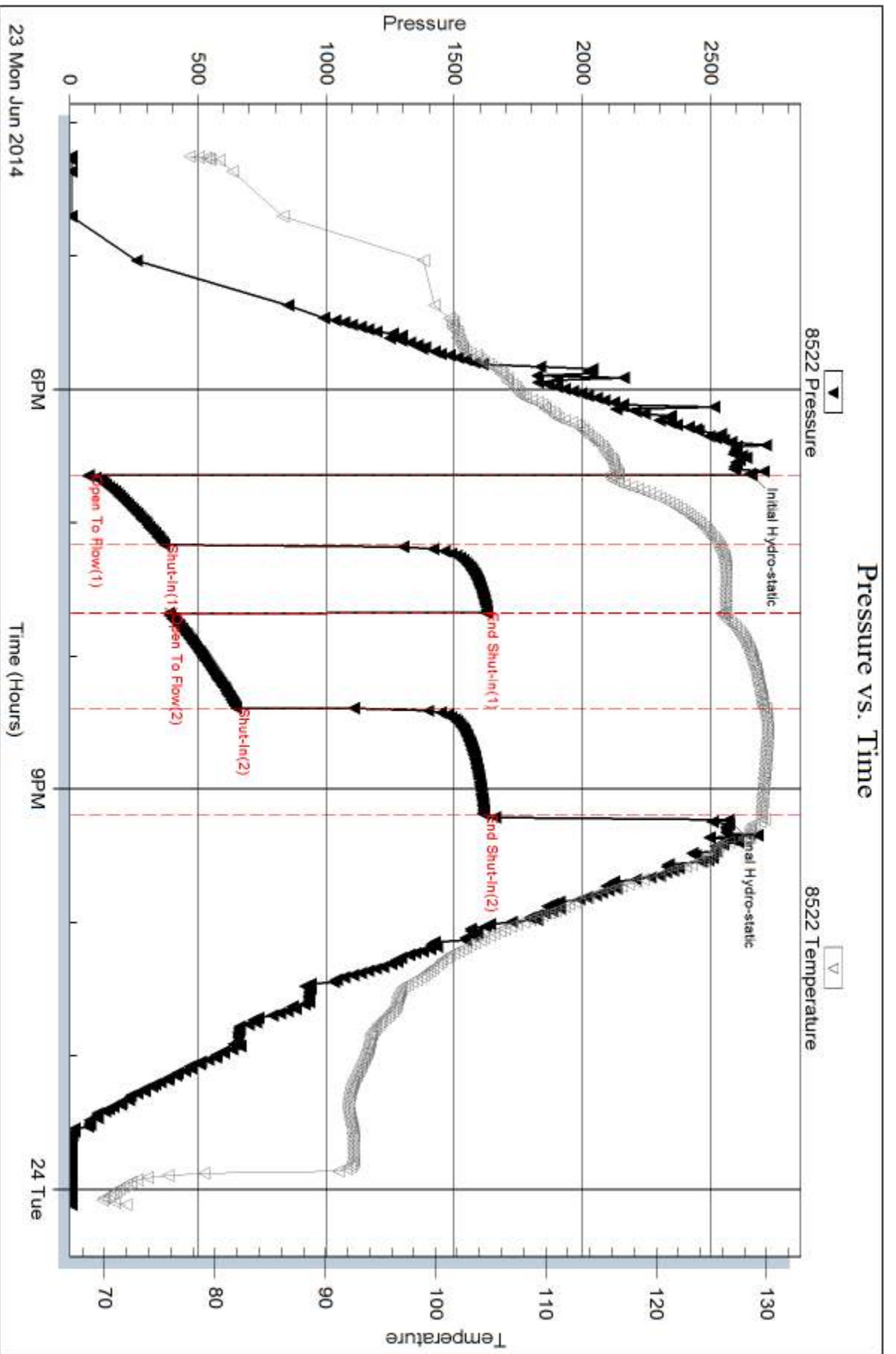
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .148 @ 68F = 52000ppm



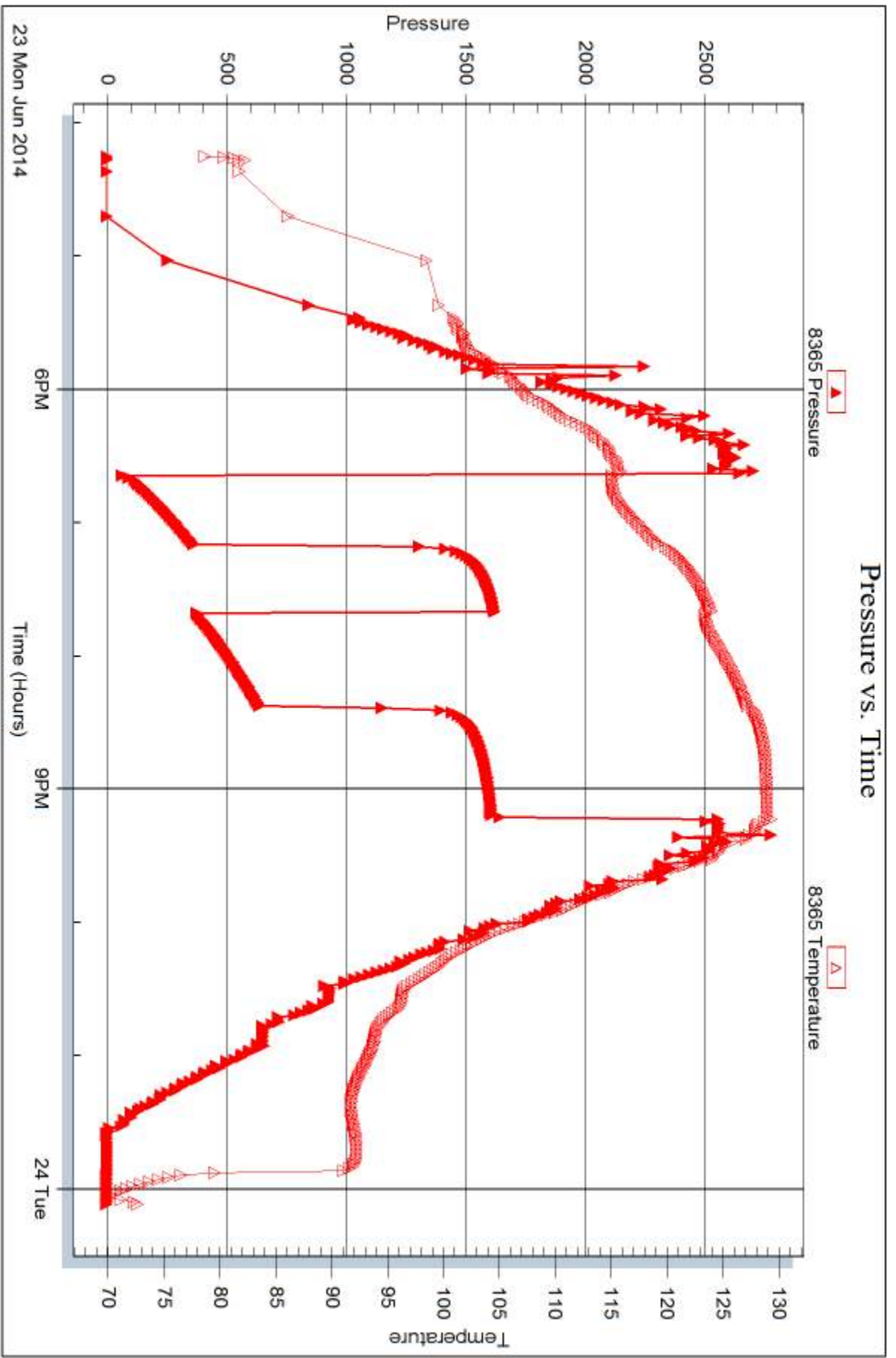
Serial #: 8365

Inside

American Warrior, Inc.

Handy #8-29

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 54919

Printed: 2014.06.27 @ 14:54:29



DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

3118 Cummings Rd.
Garden City, KS 67846

ATTN: Wyatt Urban

Handy #8-29

29 34s 31w Seward,KS

Start Date: 2014.06.25 @ 23:50:00

End Date: 2014.06.26 @ 08:03:45

Job Ticket #: 54920 DST #: 3

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

Printed: 2014.06.27 @ 14:45:11

American Warrior, Inc.
29 34s 31w Seward,KS
Handy #8-29
DST # 3
Morrow Sand
2014.06.25



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior, Inc.

29 34s 31w Seward, KS

3118 Cummings Rd.
Garden City, KS 67846

Handy #8-29

Job Ticket: 54920

DST#: 3

ATTN: Wyatt Urban

Test Start: 2014.06.25 @ 23:50:00

GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:37:00

Time Test Ended: 08:03:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: 5771.00 ft (KB) To 5854.00 ft (KB) (TVD)

Reference Elevations: 2741.00 ft (KB)

Total Depth: 5854.00 ft (KB) (TVD)

2729.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 8522 Outside

Press@RunDepth: 154.96 psig @ 5772.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.25

End Date:

2014.06.26

Last Calib.:

2014.06.26

Start Time: 23:50:05

End Time:

08:03:44

Time On Btm:

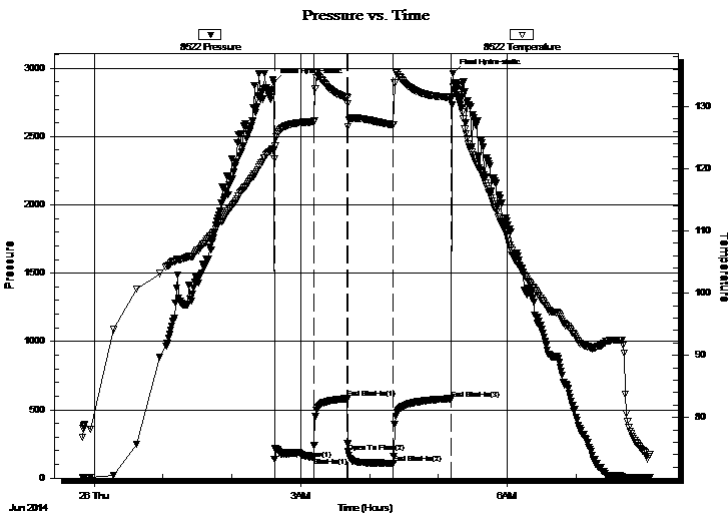
2014.06.26 @ 02:36:45

Time Off Btm:

2014.06.26 @ 05:12:45

TEST COMMENT: IF: BOB in 5 sec. Gas to surface @ 15 min.
IS: No return.
FF: BOB immediately.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2892.50	122.96	Initial Hydro-static
1	139.67	121.65	Open To Flow (1)
35	154.96	127.54	Shut-In(1)
64	582.17	131.46	End Shut-In(1)
65	192.18	126.77	Open To Flow (2)
104	109.55	127.05	End Shut-In(2)
155	581.85	131.53	End Shut-In(3)
156	2963.00	133.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	Mud 100m	0.74
0.00	GTS	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	41.00	82.92
Last Gas Rate	0.25	46.00	90.41
Max. Gas Rate	0.25	46.00	90.41



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

29 34s 31w Seward,KS

3118 Cummings Rd.
Garden City, KS 67846

Handy #8-29

Job Ticket: 54920

DST#: 3

ATTN: Wyatt Urban

Test Start: 2014.06.25 @ 23:50:00

Tool Information

Drill Pipe:	Length: 5532.00 ft	Diameter: 3.80 inches	Volume: 77.60 bbl	Tool Weight: 2500.00 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: 238.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 78.77 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 89000.00 lb
Depth to Top Packer:	5771.00 ft			Final 90000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	83.00 ft			
Tool Length:	110.00 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			5745.00	
Shut In Tool	5.00			5750.00	
Hydraulic tool	5.00			5755.00	
Jars	5.00			5760.00	
Safety Joint	2.00			5762.00	
Packer	5.00			5767.00	27.00 Bottom Of Top Packer
Packer	4.00			5771.00	
Stubb	1.00			5772.00	
Recorder	0.00	8365	Inside	5772.00	
Recorder	0.00	8522	Outside	5772.00	
Perforations	14.00			5786.00	
Change Over Sub	1.00			5787.00	
Drill Pipe	63.00			5850.00	
Change Over Sub	1.00			5851.00	
Bullnose	3.00			5854.00	83.00 Bottom Packers & Anchor

Total Tool Length: 110.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

29 34s 31w Seward,KS

3118 Cummings Rd.
Garden City, KS 67846

Handy #8-29

Job Ticket: 54920

DST#: 3

ATTN: Wyatt Urban

Test Start: 2014.06.25 @ 23:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	Mud 100m	0.738
0.00	GTS	0.000

Total Length: 150.00 ft Total Volume: 0.738 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

American Warrior, Inc.

29 34s 31w Seward, KS

3118 Cummings Rd.
Garden City, KS 67846

Handy #8-29

Job Ticket: 54920

DST#: 3

ATTN: Wyatt Urban

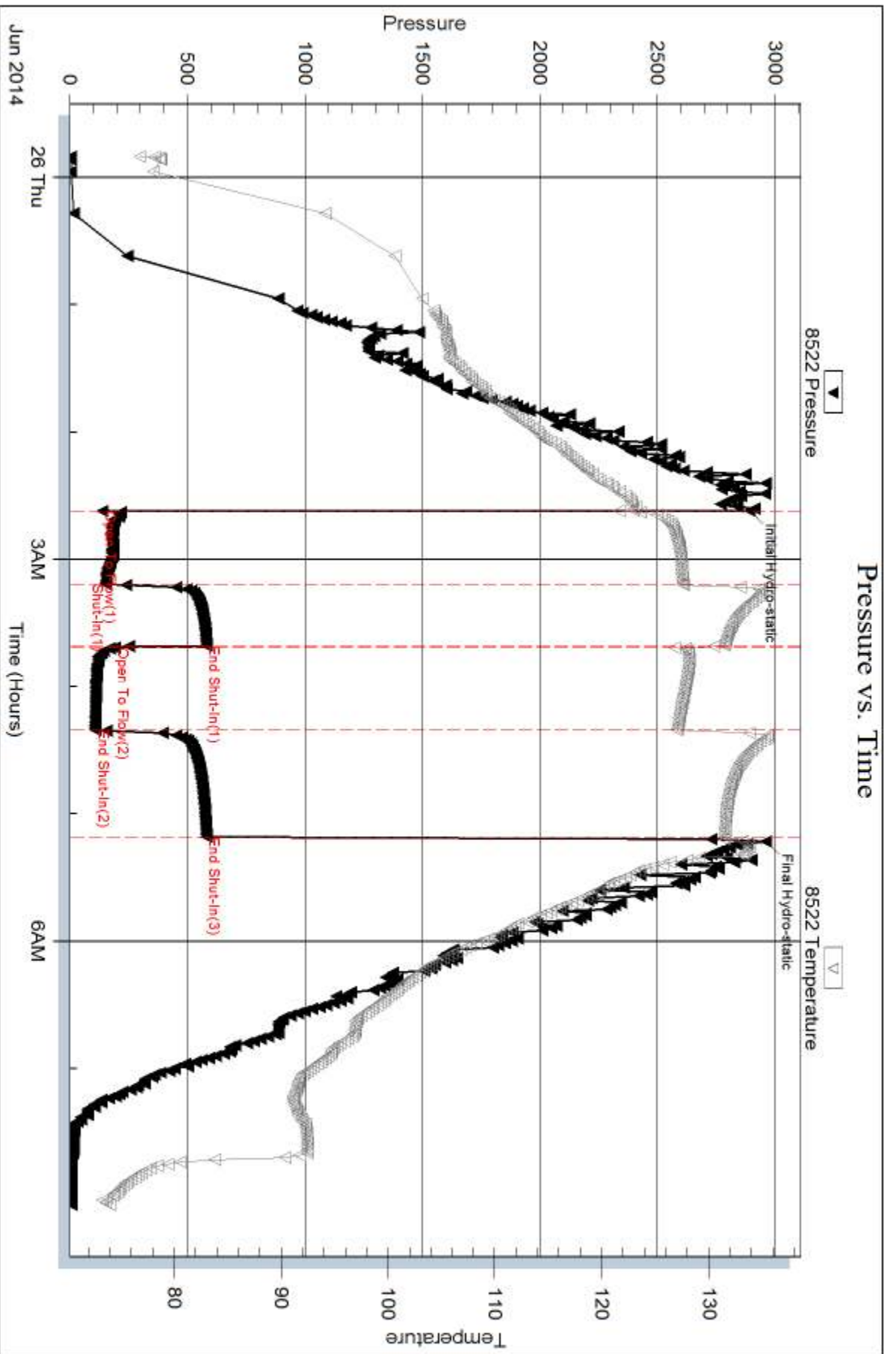
Test Start: 2014.06.25 @ 23:50:00

Gas Rates Information

Temperature: 70 (deg F)
Relative Density: 0.65
Z Factor: 0.88

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	20	0.25	41.00	82.92
1	25	0.25	42.00	84.42
1	30	0.25	44.00	87.41
2	5	0.25	41.00	82.92
2	10	0.25	44.00	87.41
2	35	0.25	46.00	90.41
2	45	0.25	46.00	90.41



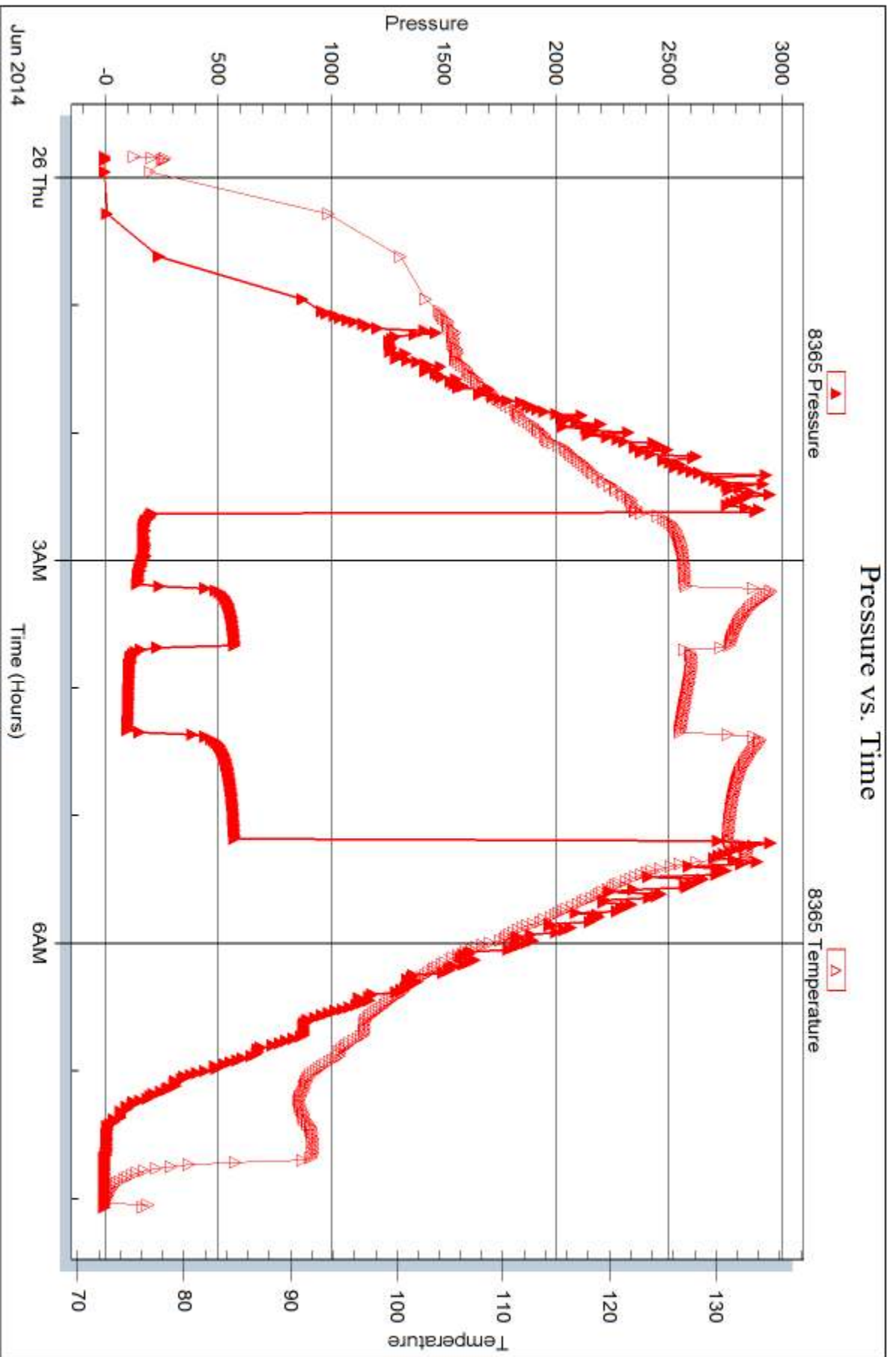
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Inside

American Warrior, Inc.

Handy #8-29

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 54920

Printed: 2014.06.27 @ 14:45:13



DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

3118 Cummings Rd.
Garden City, KS 67846

ATTN: Wyatt Urban

Handy #8-29

29 34s 31w Seward,KS

Start Date: 2014.06.27 @ 04:16:00

End Date: 2014.06.27 @ 12:49:30

Job Ticket #: 54922 DST #: 4

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

Printed: 2014.06.27 @ 14:54:01



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc.

29 34s 31w Seward,KS

3118 Cummings Rd.
Garden City, KS 67846

Handy #8-29

Job Ticket: 54922

DST#: 4

ATTN: Wyatt Urban

Test Start: 2014.06.27 @ 04:16:00

GENERAL INFORMATION:

Formation: **Chester**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:28:30

Time Test Ended: 12:49:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: 5963.00 ft (KB) To 6020.00 ft (KB) (TVD)

Reference Elevations: 2741.00 ft (KB)

Total Depth: 6020.00 ft (KB) (TVD)

2729.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 8522 Outside

Press@RunDepth: 111.70 psig @ 5964.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.27

End Date:

2014.06.27

Last Calib.:

2014.06.27

Start Time:

04:16:05

End Time:

12:49:30

Time On Btm:

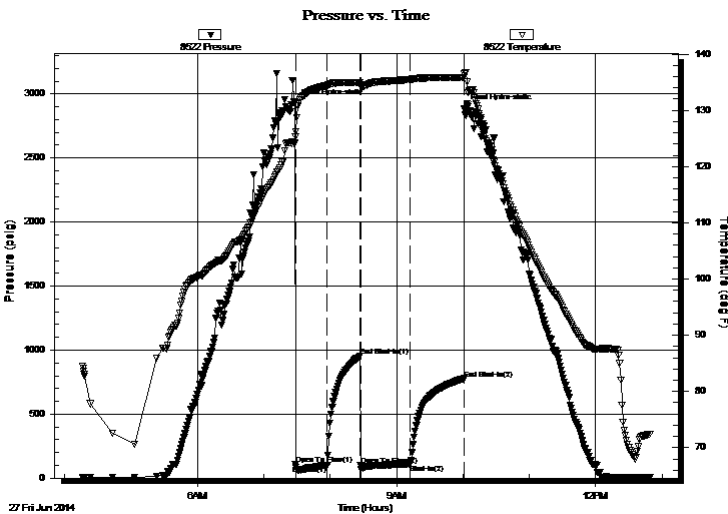
2014.06.27 @ 07:28:00

Time Off Btm:

2014.06.27 @ 10:01:15

TEST COMMENT: IF: BOB @ 30 sec
IS: No return. Gas to surface durring bleed off.
FF: BOB @ 15 sec. TSTM
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2924.36	124.16	Initial Hydro-static
1	106.38	125.26	Open To Flow (1)
30	101.40	134.42	Shut-In(1)
59	953.96	134.99	End Shut-In(1)
60	100.64	134.45	Open To Flow (2)
105	111.70	135.48	Shut-In(2)
153	776.95	135.84	End Shut-In(2)
154	2883.98	136.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	w cm 30w 70m	1.04
0.00	GTS	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.

29 34s 31w Seward,KS

3118 Cummings Rd.
Garden City, KS 67846

Handy #8-29

Job Ticket: 54922

DST#: 4

ATTN: Wyatt Urban

Test Start: 2014.06.27 @ 04:16:00

Tool Information

Drill Pipe:	Length: 5781.00 ft	Diameter: 3.80 inches	Volume: 81.09 bbl	Tool Weight: 2500.00 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: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 81.97 bbl</u>	Tool Chased 8.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 85000.00 lb
Depth to Top Packer:	5963.00 ft			Final 86000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.00 ft			
Tool Length:	84.00 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			5937.00	
Shut In Tool	5.00			5942.00	
Hydraulic tool	5.00			5947.00	
Jars	5.00			5952.00	
Safety Joint	2.00			5954.00	
Packer	5.00			5959.00	27.00 Bottom Of Top Packer
Packer	4.00			5963.00	
Stubb	1.00			5964.00	
Recorder	0.00	8365	Inside	5964.00	
Recorder	0.00	8522	Outside	5964.00	
Perforations	20.00			5984.00	
Change Over Sub	1.00			5985.00	
Drill Pipe	31.00			6016.00	
Change Over Sub	1.00			6017.00	
Bullnose	3.00			6020.00	57.00 Bottom Packers & Anchor

Total Tool Length: 84.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

29 34s 31w Seward,KS

3118 Cummings Rd.
Garden City, KS 67846

Handy #8-29

Job Ticket: 54922

DST#: 4

ATTN: Wyatt Urban

Test Start: 2014.06.27 @ 04:16:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

34500 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	w cm 30w 70m	1.044
0.00	GTS	0.000

Total Length: 190.00 ft Total Volume: 1.044 bbl

Num Fluid Samples: 0

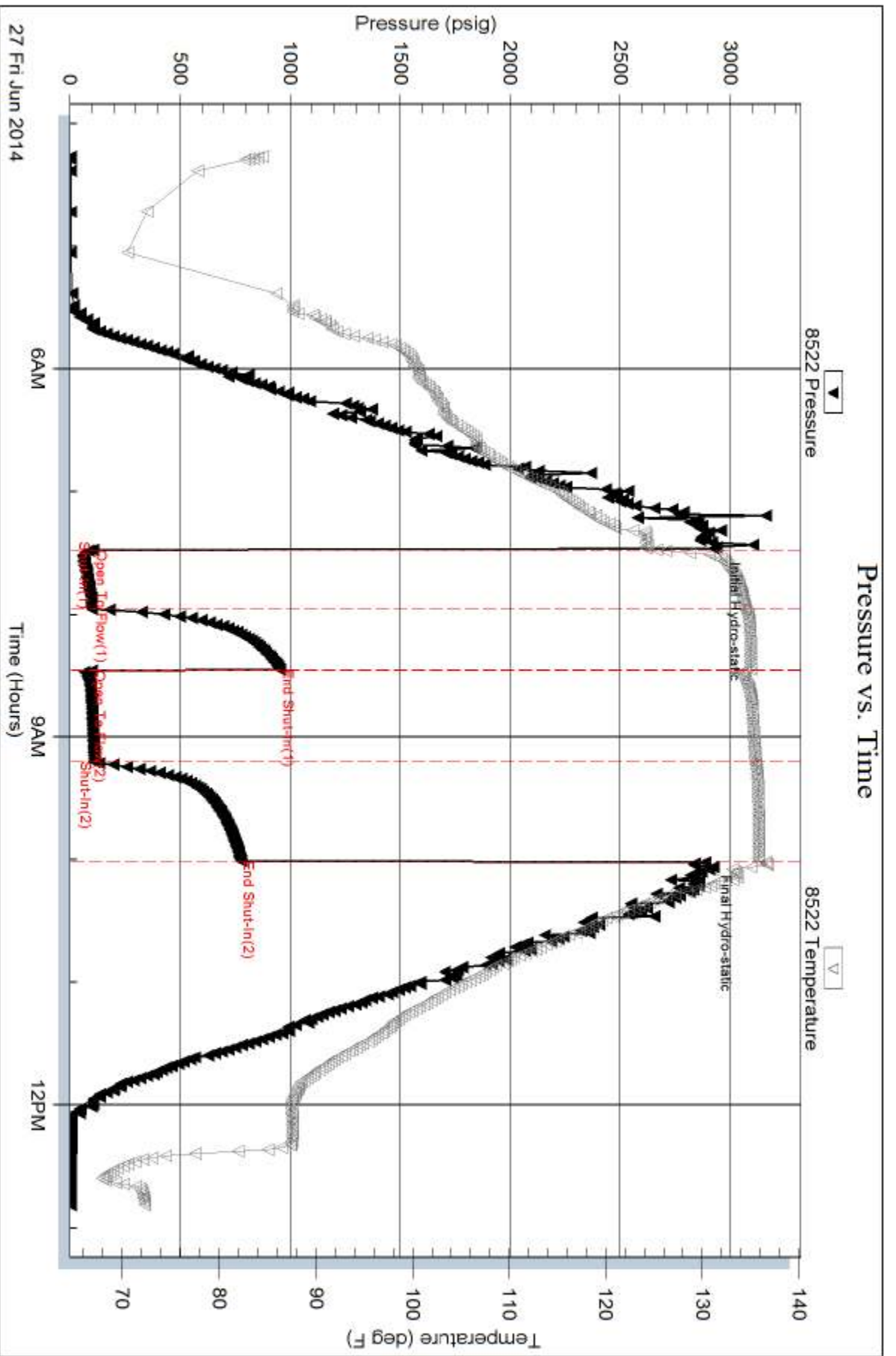
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .210 @ 66F = 34500ppm



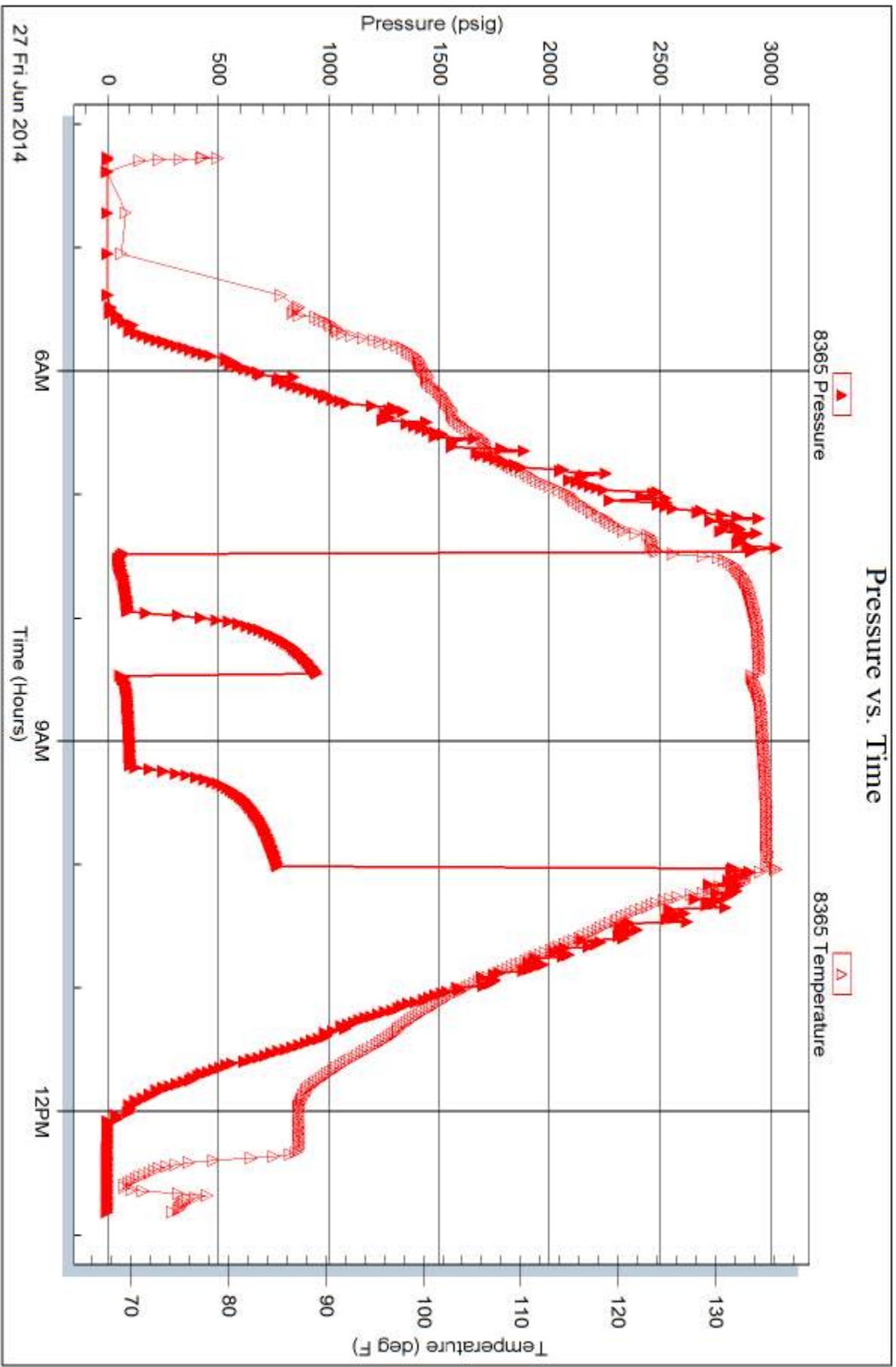
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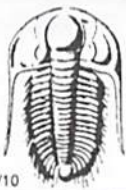
Inside

American Warrior, Inc.

Handy #8-29

DST Test Number: 4





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54918

Well Name & No. Handy #8-29 Test No. 1 Date 6/20/14
 Company American Warrior, Inc Elevation 2741 KB 2729 GL
 Address 3118 Cummings Rd Garden City, KS 67846
 Co. Rep / Geo. Walt Urban Rig Duke #9
 Location: Sec. 23 Twp. 24S Rge. 31W Co. Seward State Ks

Interval Tested .4399 4455 Zone Tested Toronto
 Anchor Length 56 Drill Pipe Run 4206 Mud Wt. 9.3
 Top Packer Depth 4394 Drill Collars Run 178 Vis 50
 Bottom Packer Depth 4399 Wt. Pipe Run 0 WL 9.2
 Total Depth 4455 Chlorides 3900 ppm System LCM 2th

Blow Description IF BOB @ 1 min
ISS! No 1/2" return
FF: BOB @ 3 min
FSI: 1/2" return

Rec	Feet of	%gas	%oil	%water	%mud
<u>1600</u>	<u>new</u>			<u>95</u>	<u>5</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

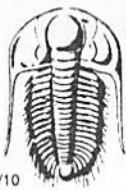
Rec Total 1600 BHT 117 Gravity — API RW .095 @ 95 °F Chlorides 65,000 ppm

(A) Initial Hydrostatic 2258 Test 1050
 (B) First Initial Flow 318 Jars 1127
 (C) First Final Flow 624 Safety Joint 1319
 (D) Initial Shut-In 906 Circ Sub Npc 1549
 (E) Second Initial Flow 636 Hourly Standby 1831
 (F) Second Final Flow 844 Mileage 240
 (G) Final Shut-In 915 Sampler
 (H) Final Hydrostatic 2222 Straddle

Shale Packer Ruined Shale Packer
 Extra Packer Ruined Packer
 Extra Recorder Extra Copies
 Day Standby Sub Total
 Accessibility Total
 Sub Total 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. 54919

Well Name & No. Handy #8-29 Test No. 2 Date 6/23/14
 Company American Warrion, Inc Elevation 2741 KB 2729 GL
 Address 318 Cummings Rd Garden City, KS 67846
 Co. Rep / Geo. Wyatt Voban Rig Duke #09
 Location: Sec. 23 Twp. 24's Rge. 31W Co. Seward State Ks

Interval Tested 5311 5349 Zone Tested Marmaton
 Anchor Length 38' Drill Pipe Run 5121 Mud Wt. 9.45
 Top Packer Depth 5306 Drill Collars Run 178 Vis 50
 Bottom Packer Depth 5311 Wt. Pipe Run Ø WL 9.2
 Total Depth 5349 Chlorides 2800 ppm System LCM 2#

Blow Description IF: BOB @ 5 min
IST: No return
FF: BOB @ 6 min
IST: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>1260</u>	<u>ncw</u>			<u>97</u>	<u>3</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 1260 BHT 137 Gravity — API RW .148 @ 68° F Chlorides 52,000 ppm

(A) Initial Hydrostatic 2657 Test T-On Location 1600
 (B) First Initial Flow 75 Jars T-Started 1615
 (C) First Final Flow 369 Safety Joint T-Open 1837
 (D) Initial Shut-In 1621 Circ Sub N/C T-Pulled 2107
 (E) Second Initial Flow 385 Hourly Standby T-Out 0007 6/24
 (F) Second Final Flow 648 Mileage 240 Comments _____
 (G) Final Shut-In 1617 Sampler _____
 (H) Final Hydrostatic 2568 Straddle _____

Ruined Shale Packer
 Ruined Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 45
 Final Shut-In 45
 Sub Total _____

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. 54920

Well Name & No. Handy # 8-29 Test No. 3 Date 6/26
 Company American Warrior, Inc Elevation 2741 KB 2729 GL
 Address 318 Cummings Rd Garden City KS 67846
 Co. Rep / Geo. Wyatt Urban Rig Duke #9
 Location: Sec. 23 Twp. 24S Rge. 31W Co. Seward State KS

Interval Tested 5771 5854 Zone Tested Morrow Sand
 Anchor Length 83 Drill Pipe Run 5532 Mud Wt. 9.2
 Top Packer Depth 5766 Drill Collars Run 238 Vis 54
 Bottom Packer Depth 5771 Wt. Pipe Run 0 WL 8.8
 Total Depth 5854 Chlorides 3400 ppm System LCM 2#
 Blow Description IF: BOB @ 10 sec Gauged Gas to surface @ 15 min
IST: No return
FF: BOB @ 10 sec Gauged
FST: No return

Rec	Feet of	%gas	%oil	%water	%mud
150	MUD			100	
	Gas' to Surface				

Rec Total 150 BHT 132 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2893</u>	<input checked="" type="checkbox"/> Test	T-On Location <u>2340 6/25</u>
(B) First Initial Flow <u>140</u>	<input checked="" type="checkbox"/> Jars	T-Started <u>2350</u>
(C) First Final Flow <u>155</u>	<input checked="" type="checkbox"/> Safety Joint	T-Open <u>0238 6/26</u>
(D) Initial Shut-In <u>582</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>0515</u>
(E) Second Initial Flow <u>192</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0804</u>
(F) Second Final Flow <u>109</u>	<input checked="" type="checkbox"/> Mileage <u>240</u>	Comments <u>Sample sent to Caraway</u>
(G) Final Shut-In <u>582</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2963</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>20</u>	<input checked="" type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total
Final Shut-In <u>45</u>	<input checked="" type="checkbox"/> Day Standby	Total
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total	

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. **54922**

Well Name & No. Handy #8-29 Test No. 4 Date 6/27
 Company American Warrior, Inc Elevation 2741 KB 2729 GL
 Address 3118 Cummings Rd Garden City, ks 67846
 Co. Rep / Geo. Wyatt Urban Rig Duke #9
 Location: Sec. 23 Twp. 24s Rge. 31w Co. Seward State Ks

Interval Tested 5963 - 6020 Zone Tested Chester
 Anchor Length 57 Drill Pipe Run 5781 Mud Wt. 9.2
 Top Packer Depth 5958 Drill Collars Run 178 Vis 54
 Bottom Packer Depth 5963 Wt. Pipe Run 0 WL 10.0
 Total Depth 6020 Chlorides 4700 ppm System LCM 2#

Blow Description IF: BOB @ 30 sec
IS: No return Gas to surface
FF: BOB @ 15 sec Gas not gaugable
FS: No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>190</u>	<u>wcm</u>			<u>30</u>	<u>70</u>
	<u>Gas to surface</u>				

Rec Total 190 BHT 136 Gravity - API RW .210 @ 66 °F Chlorides 34500 ppm

(A) Initial Hydrostatic <u>2924</u>	<input checked="" type="checkbox"/> Test	T-On Location <u>0400</u>
(B) First Initial Flow <u>106</u>	<input checked="" type="checkbox"/> Jars	T-Started <u>0416</u>
(C) First Final Flow <u>101</u>	<input checked="" type="checkbox"/> Safety Joint	T-Open <u>0723</u>
(D) Initial Shut-In <u>954</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>0953</u>
(E) Second Initial Flow <u>100</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1250</u>
(F) Second Final Flow <u>112</u>	<input checked="" type="checkbox"/> Mileage <u>240</u>	Comments _____
(G) Final Shut-In <u>777</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>2884</u>	<input type="checkbox"/> Straddle	_____

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

Approved By _____ Our Representative [Signature]

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Mudgrove

PETROLEUM CORPORATION
Clayton, Kansas

NOTES

Company: American Warrior, Inc.

Lease: Handy 8-29

Field: Blue Bell

Location: SW-NW-NE-SW

Sec: 29 Twsp: 34S Rge: 31W

County: Seward State: Kansas

KB: 2741' GL: 2728'

API #: 15-175-22219-00-00

Contractor: Duke Drilling Inc. (Rig #9)

Spud: 06/16/2014 Comp: 06/28/2014

RTD: 6500' LTD: 6501'

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

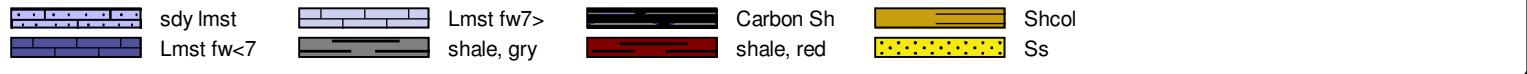
Surface Casing: 8 5/8@1705'

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

American Warrior Well Comparison

DRILLING WELL				COMPARISON WELL				COMPARISON WELL				
American Warrior-Handy 8-29 SW-NW-NE-SW 29-34S-31W				American Warrior-Handy 7-29 SE-NW-NW-SW 29-34S-31W				Charter Production-Sprinkle #1 C-NW-NW 29-34S-31W				
2741 KB				2735 KB				2729 KB				Structural Relationship
Formation	Sample	Sub-Sea	Log	Sub-Sea	Sample	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Heebner	4401	-1660	4400	-1659	4394	-1659	-1	0	4369	-1640	-20	-19
Toronto	4417	-1676	4425	-1684	4408	-1673	-3	-11	4388	-1659	-17	-25
Lansing	4557	-1816	4556	-1815	4556	-1821	5	6	4535	-1806	-10	-9
Marmaton	5242	-2501	5245	-2504	5244	-2509	8	5	5220	-2491	-10	-13
Morrow	5793	-3052	5781	-3040	5789	-3054	2	14	5758	-3029	-23	-11
Morrow Sd.	5827	-3086	5837	-3096	5826	-3091	5	-5	5804	-3075	-11	-21
Chester	5924	-3183	5917	-3176	5924	-3189	6	13	5909	-3180	-3	4
Ste. Gen	6222	-3481	6222	-3481	6229	-3494	13	13	6211	-3482	1	1
St. Louis	6352	-3611	6352	-3611	6325	-3590	-21	-21	6310	-3581	-30	-30
RTD	6500	-3759	6500	-3759	6500	-3765	6	6	6470	-3741	-18	-18
LTD	6501	-3760	6501	-3760	6503	-3768	8	8				

ROCK TYPES



ACCESSORIES

MINERAL
P Pyrite

FOSSIL
Oolite
Oomoldic

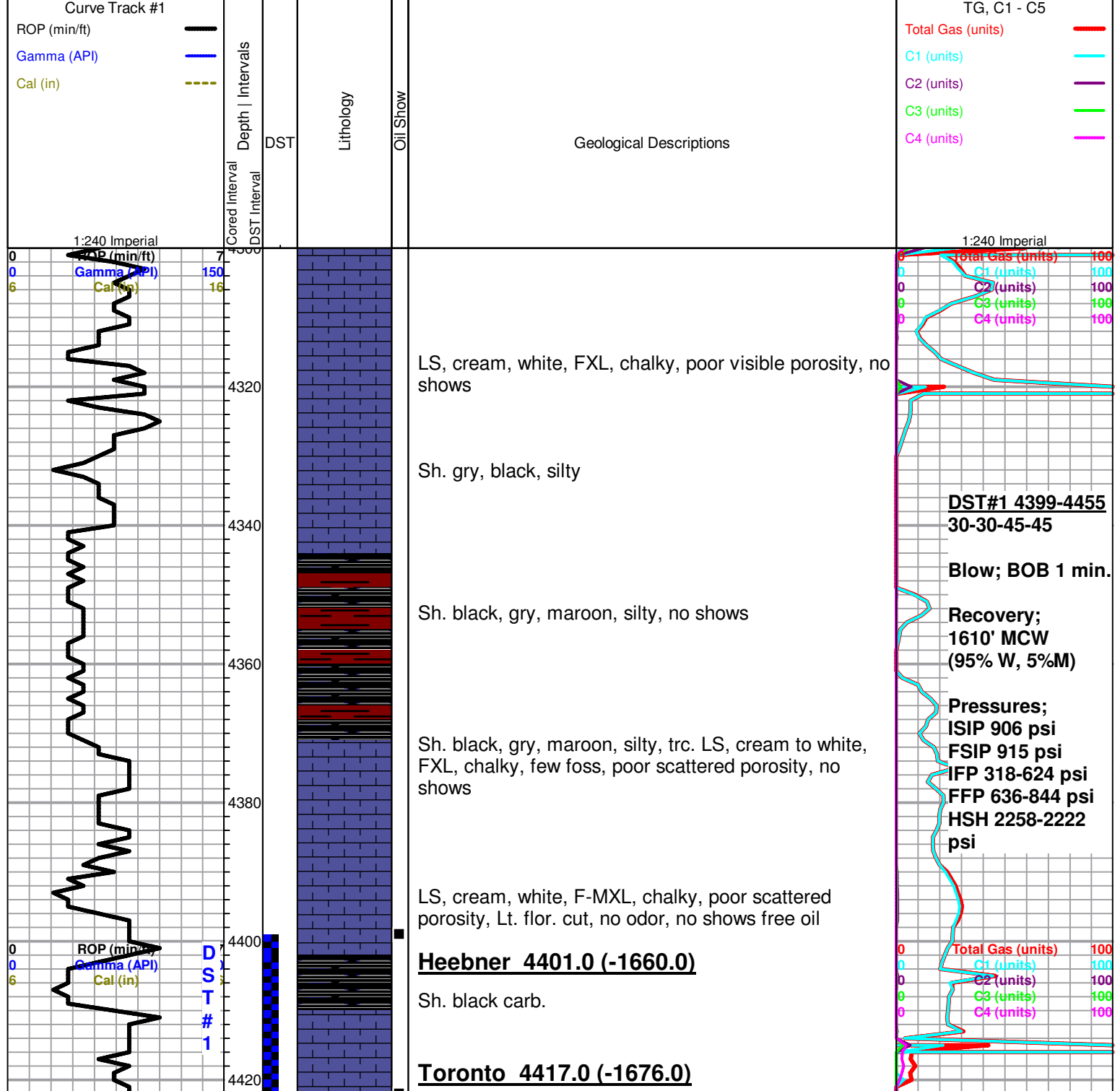
STRINGER
Sandstone

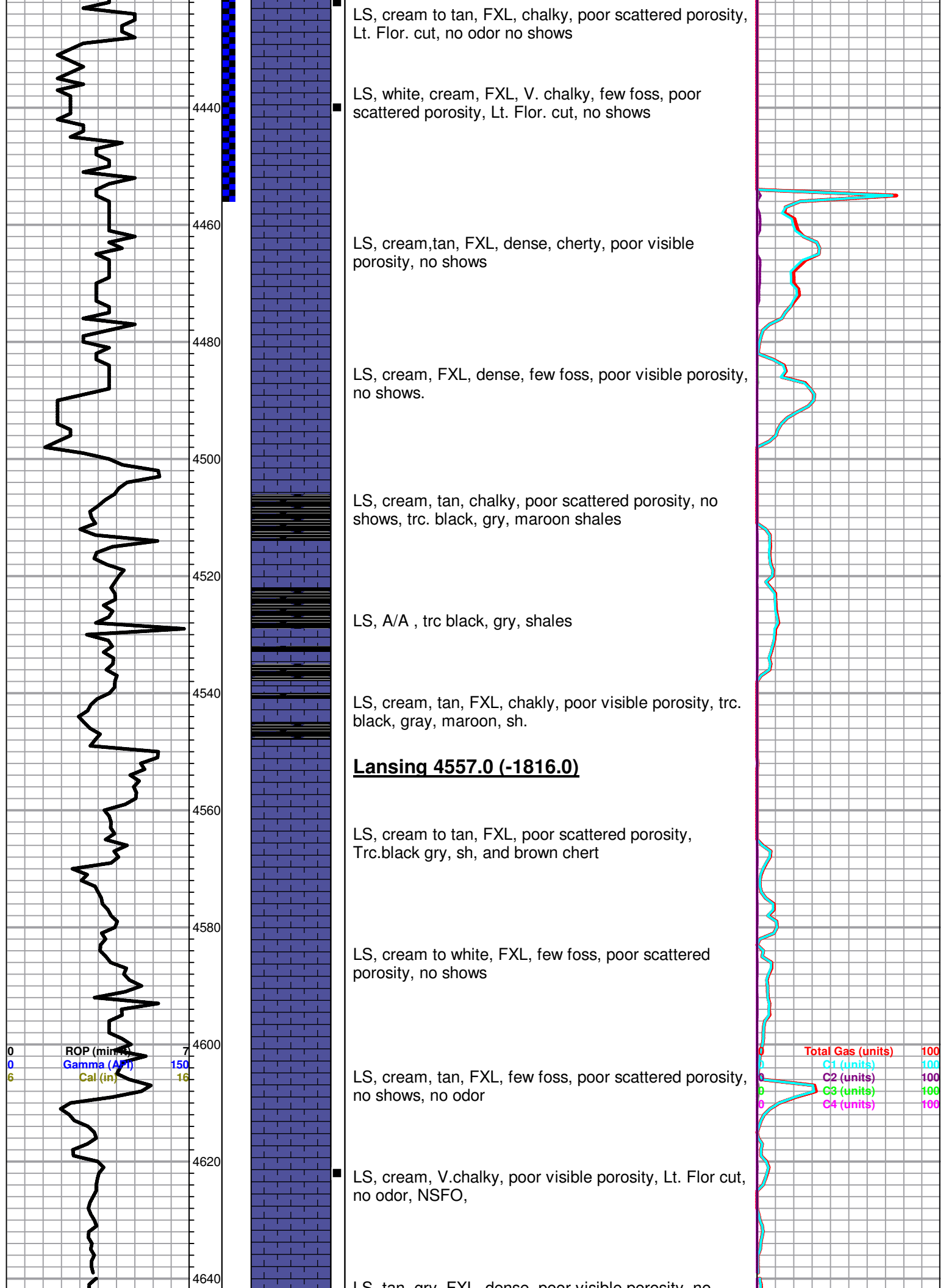
OTHER SYMBOLS

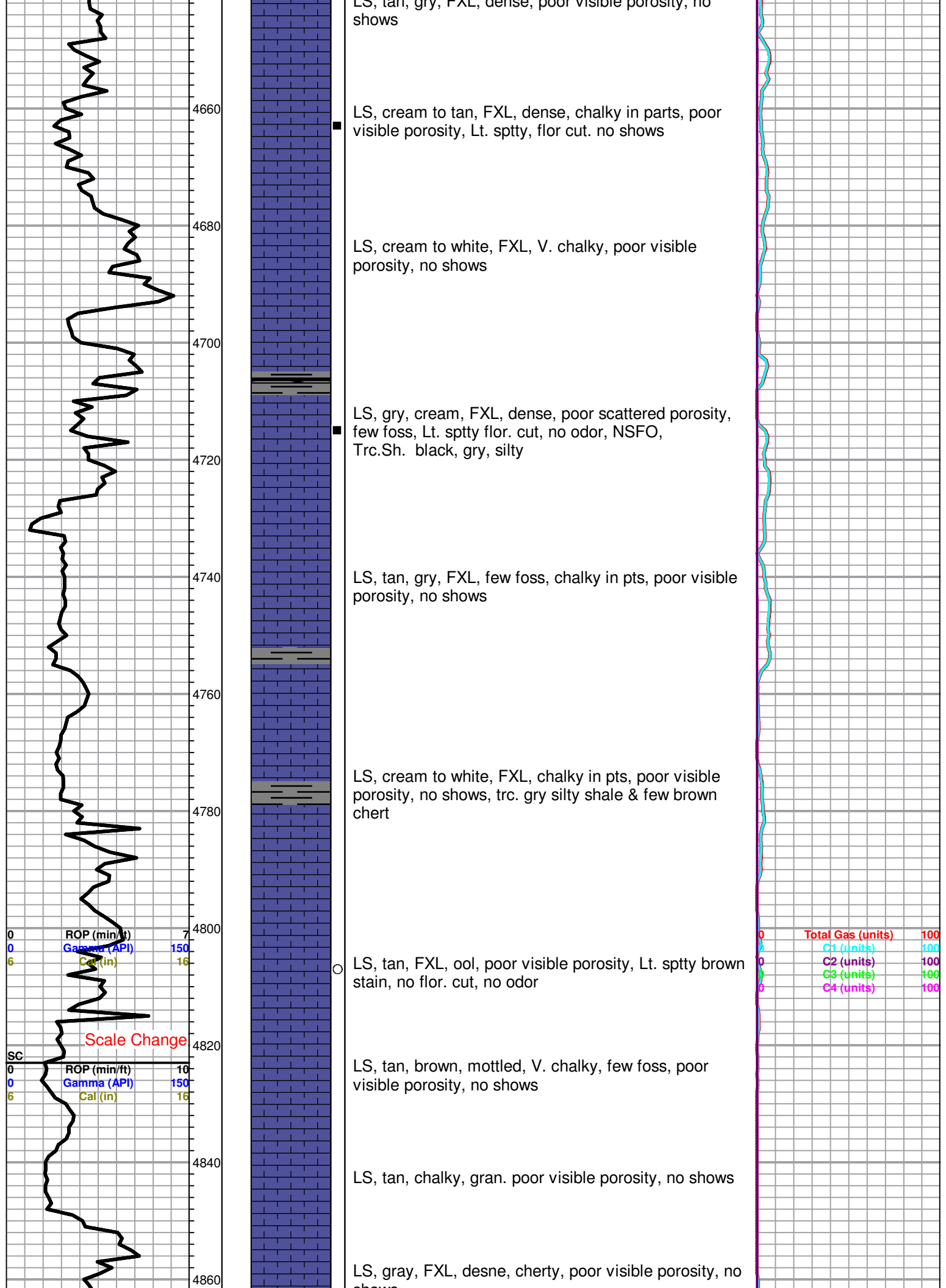
Oil Show
● Good Show
● Fair Show
● Poor Show
○ Spotted or Trace
○ Questionable Stn
D Dead Oil Stn
■ Fluorescence
* Gas

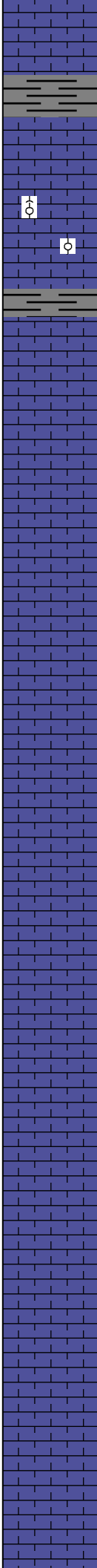
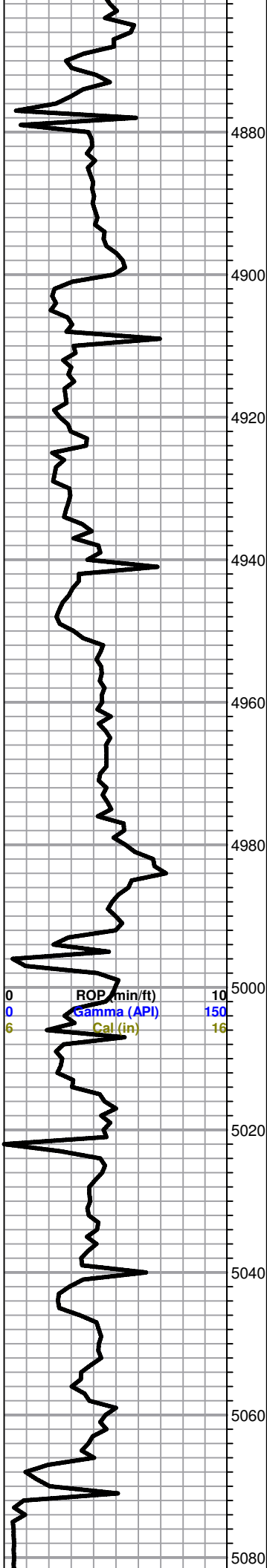
DST
DST Int
DST alt
Core
tail pipe

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









snobs
 LS, brown, FXL, cherty, dense, poor visible porosity, no shows trc gry silty shale

LS, gry, tan, FXL, few ool, poorly developed, few scattered vuggy porosity, no shows, no flor.

LS, cream to tan, FXL, Sl. chalky in pts, few foss, poor scattered porosity, no shows

LS, gry, tan, FXL, dense, poor visible porosity, few foss, poor scattered porosity, trc. black carb sh.

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

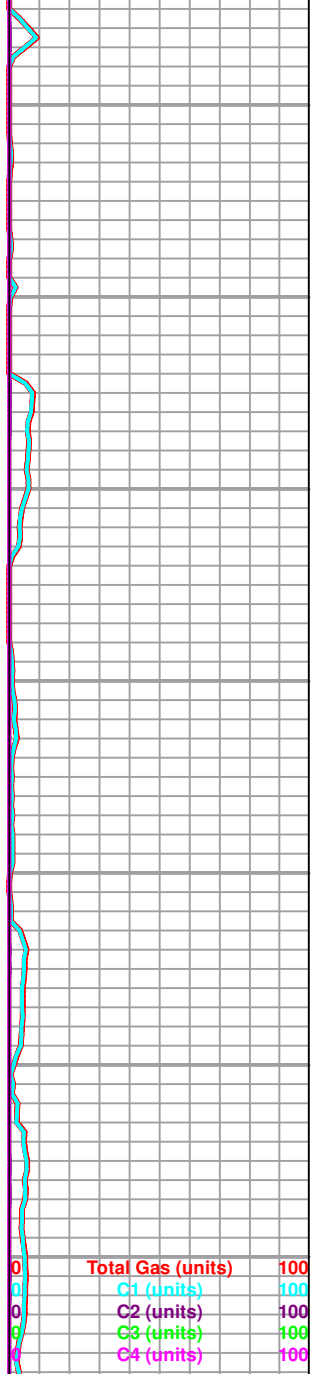
LS, tan, brown, F-MXL, chalky, earthy,

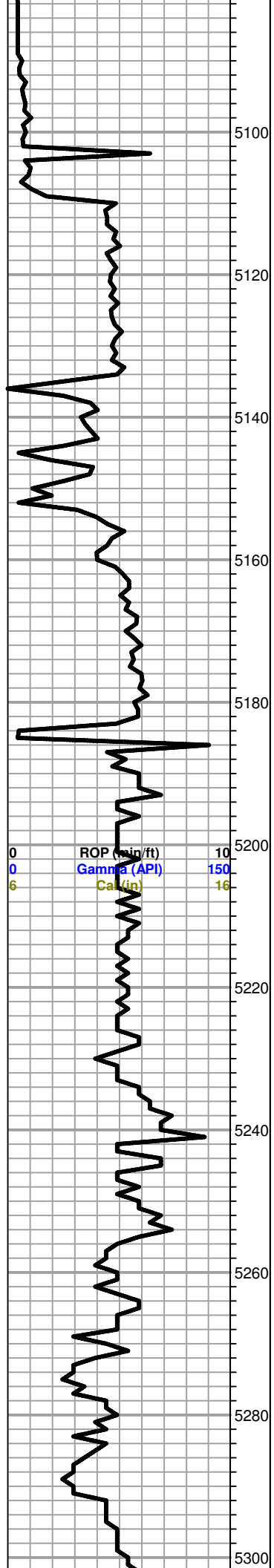
Sh. black carb, gry, silty sh.

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

LS, tan, cream, mottled, F-MXL, chalky, few foss, poor visible porosity, no shows

LS, gry, FXL, cherty, dense, poor visible porosity, no shows





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

LS, tan, brown, oom, good vuggy porosity, chalky in parts, no shows

LS, white, tan, oom, good vuggy porosity, chalky, trc. Sd. tan, m. grain, well sorted, Lt. spotty, flor. NSFO, no odor

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

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

LS, tan, brown, FXL, dense, cherty in pts, poor visible porosity, no shows
Trc. gry, black carb sh.

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

Slug gry, black carb Sh.

Marmaton 5242.0 (-2501.0)

LS, tan, brown, gry, FXL, poor visible porosity, no shows

LS, cream, tan, gry, FXL, Sl. chalky in pts, poor scattered porosity, no shows

LS, tan, brown, ool, FXL, chalky, poor scattered porosity, no shows.

SC

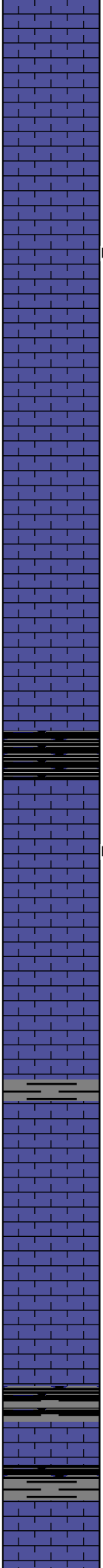
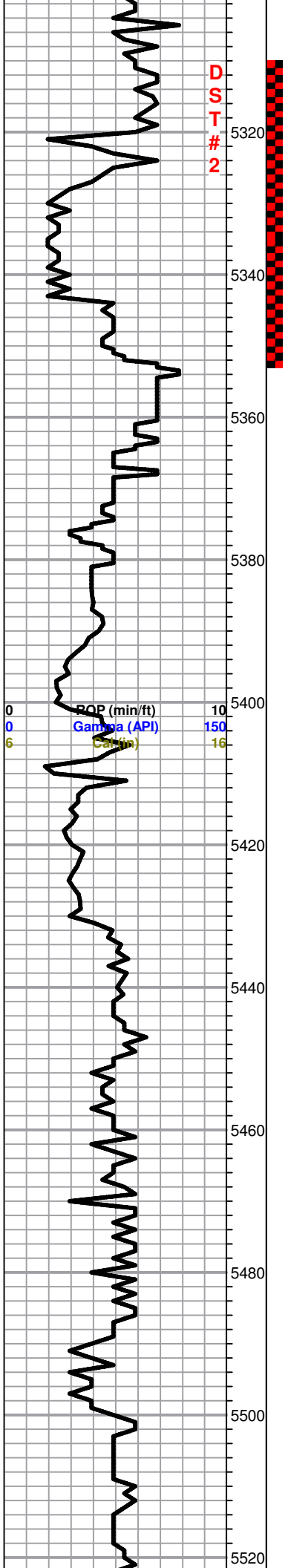
Total Gas (units)	50
C1 (units)	50
C2 (units)	50
C3 (units)	50
C4 (units)	50

Total Gas (units)	50
C1 (units)	50
C2 (units)	50
C3 (units)	50
C4 (units)	50

DST#2 5311-5349
30-30-45-45

Blow; BOB 5 min.

Recovery;
1260 MCW
(97%W, 3%M)



LS, tan, brown, gry, FXL, foss, dense, poor visible porosity, no shows no odor.

LS, cream to tan, F-MXL, few ool, chalky, poor scattered porosity, Lt. spty flor. cut, no odor, NSFO

LS, cream to tan, FXL, few foss, poor scattered porosity, no shows, no flor. cut.

LS, tan, brown, FXL, cherty, poor visible porosity, trc. lt. flor. cut, no odor, no stains

Cherokee 5410.0 (-2669.0)

Black carb Sh.

LS, tan, brown, F-MXL, chalky, few ool, poorly developed, poor visible porosity, Lt. spty flor. cut, no odor, no stain

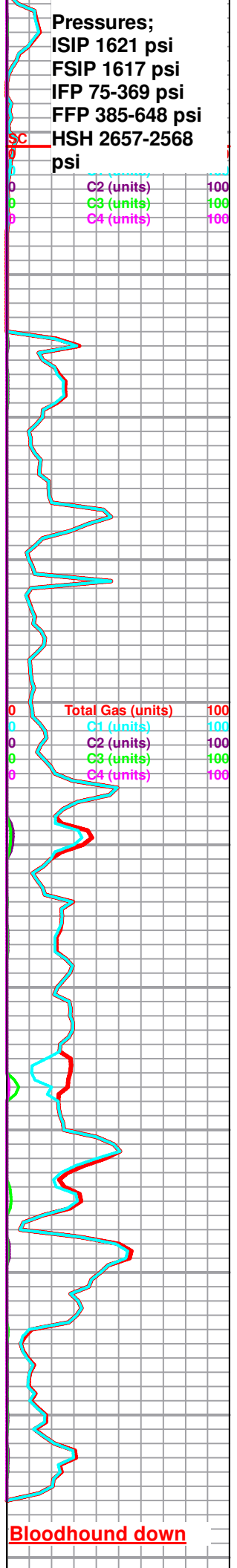
LS, cream to tan, FXL, desen, few foss, poor visible porosity, no shows,

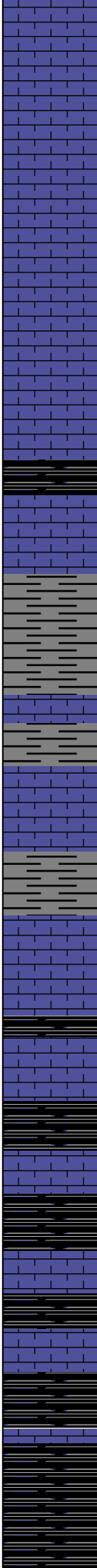
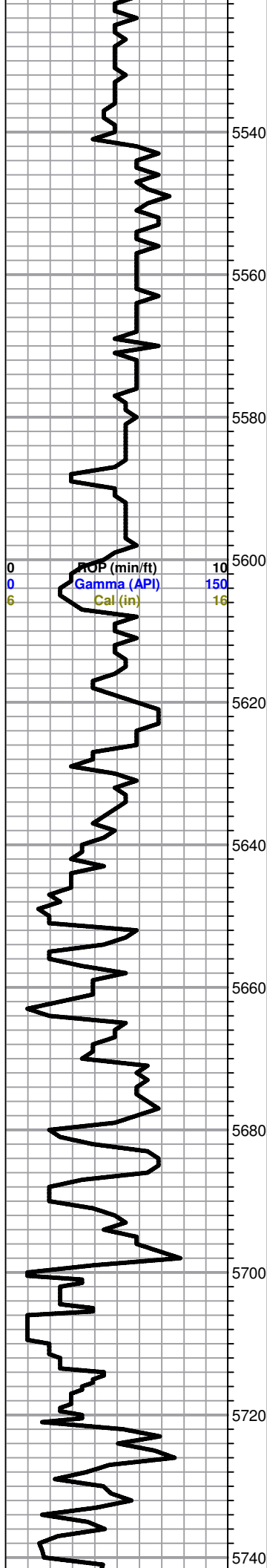
LS A/A, Trc. black, gry, shales

LS, gry, tan, earthy, chalky in parts, poor visible porosity no shows, no flor. no odor

Sh. gry, black, silty in parts,

LS, cream, tan, mottled, FXL, poor visible porosity, cherty in parts, no shows





LS, tan, brown, FXL, dense, poor visible porosity, few foss, no shows, trc. black, maroon silty shale

LS, tan, gry, FXL, dense, cherty, poor visible porosity, no shows

Black carb sh.

LS, cream, brown, FXL, dense, cherty no shows

Sh. black, gry, silty

Sh. black, gry, silty, Trc. LS, tan, cream, FXL, chalky, poor visible porosity, no shows

Sh. black carb, gry, silty, Trc. LS, white cream, FXL, chalky poor visible porosity, no shows

LS, tan, brown, FXL, cherty dense, poor visible porosity, no shows, Trc. Black carb Sh.

LS, tan, cream, FXL, dense, cherty, poor scattered porosity, no shows

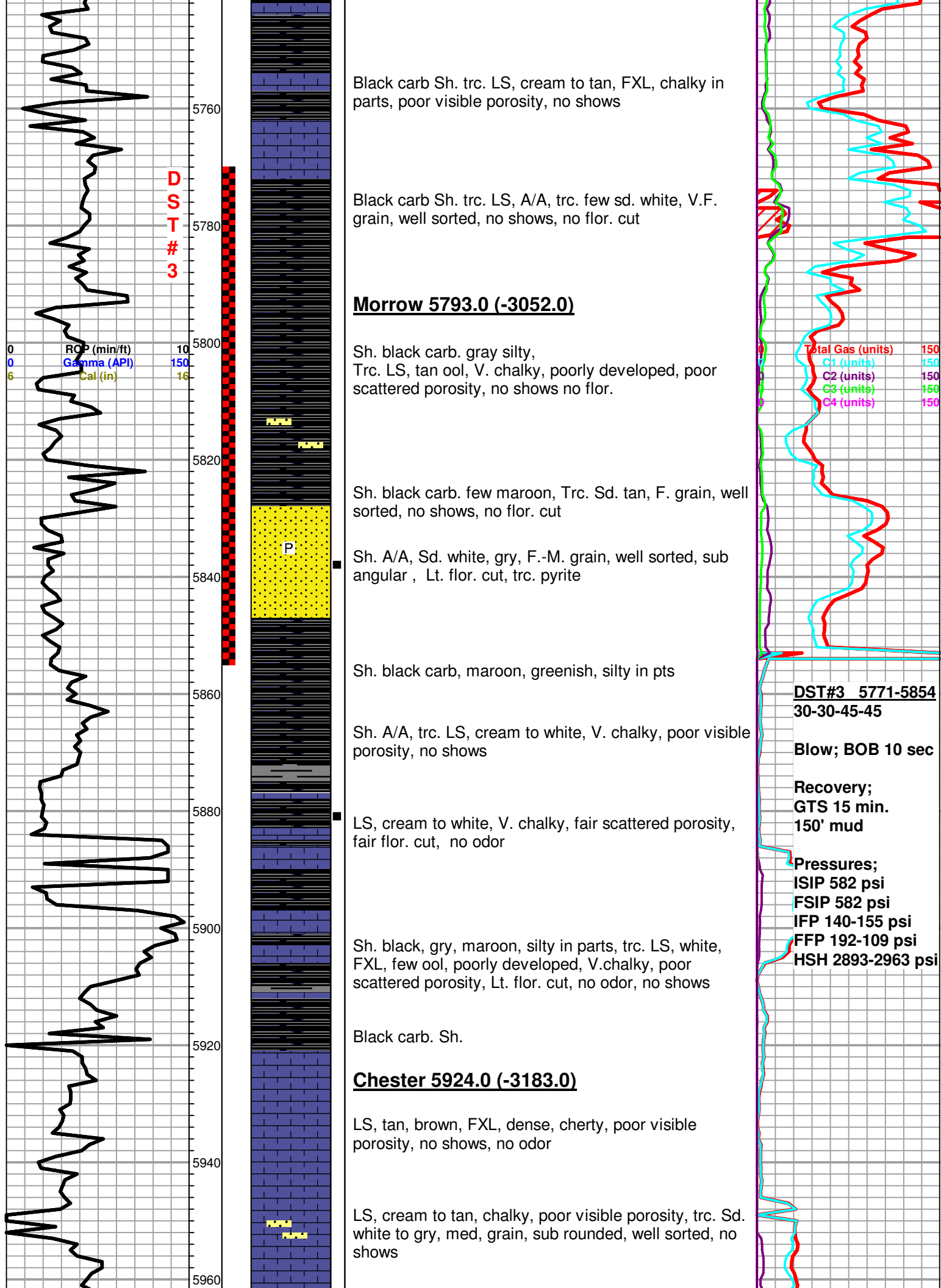
Black carb. Sh.

Black carb. Sh.
Trc. LS, tan, brown, mottled, FXL, dense, poor visible porosity, no shows

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

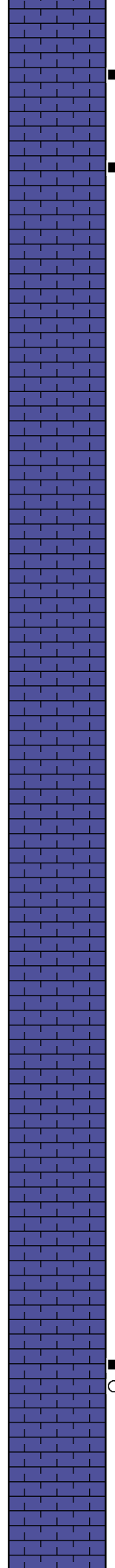
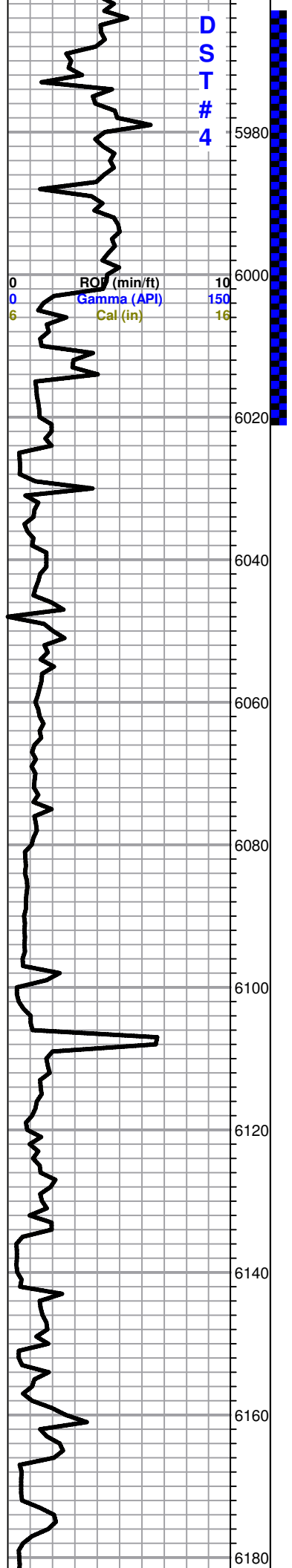
SC	Total Gas (units)	150
0	C1 (units)	150
0	C2 (units)	150
0	C3 (units)	150
0	C4 (units)	150





D
S
T

4



LS, cream tan, FXL, few foss, chalky, poor scattered porosity, Lt. flor. cut, no odor

LS, tan, brown, FXL, foss, poor scattered porosity, fair flor. cut. odor???,

LS, cream to tan, FXL, chalky, foss, good flor. cut, odor???,

LS, A/A

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

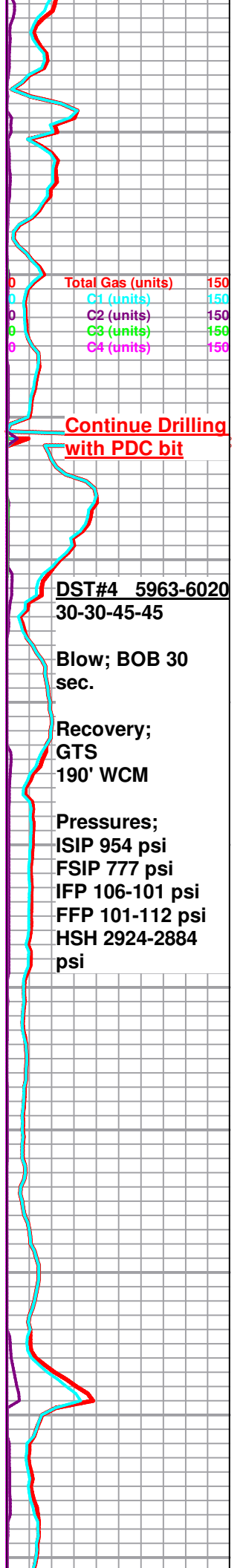
LS, tan, FXL, ool, poorly developed, poor scattered porosity, no shows

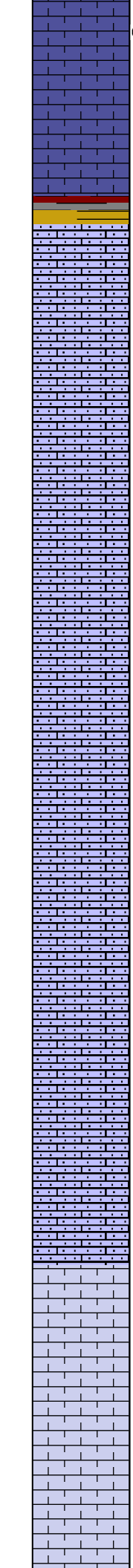
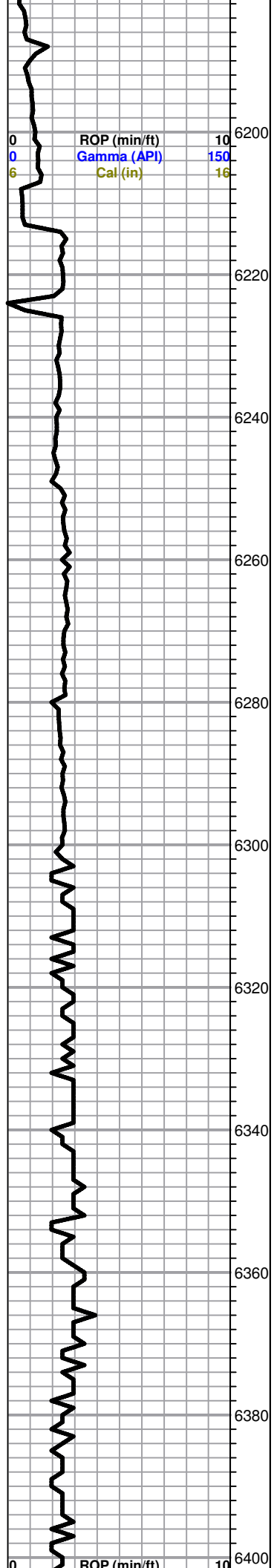
LS, tan to brown, FXL, dense, chalky in parts, no shows

LS, tan, brown, FXL, cherty in parts, foss, poorly scattered porosity, no shows

LS, cream to white, ool, poor developed, chalky, Lt. flor. cut, trc. black stain, NSFO, no odor

Sh. gry, greenish, maroon,





LS, tan, micr ool, friable, trc. black stain, NSFO, no odor

LS, tan, brown, Micro ool, no shows, Slug, Sh. maroon, greenish, purple

St. Gen 6222.0 (-3481.0)

LS, A/A

LS, cream to white, mirco ool, no shows,

LS, cream, tan, micro ool, friable, no shows, no odor

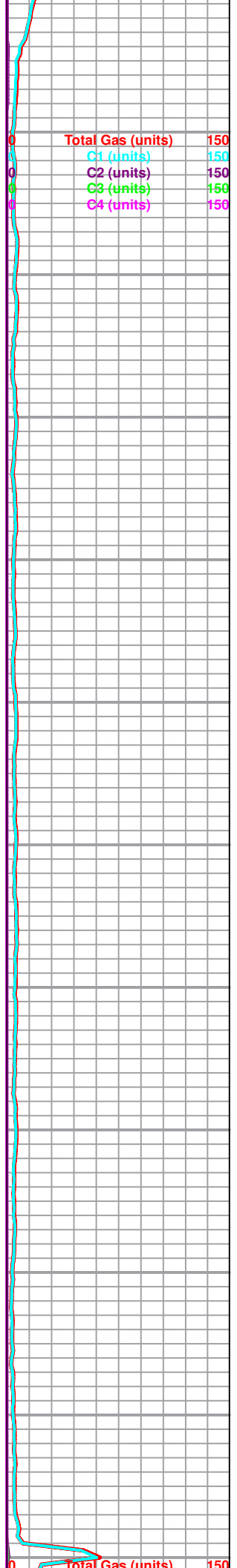
LS, tan, brown, cream, micro ool, friable, no shows

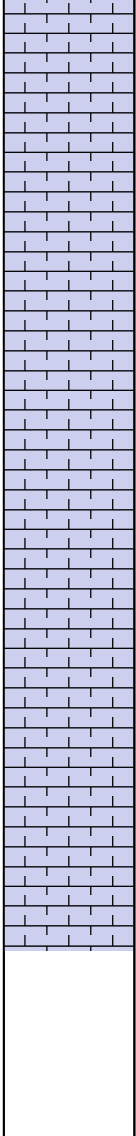
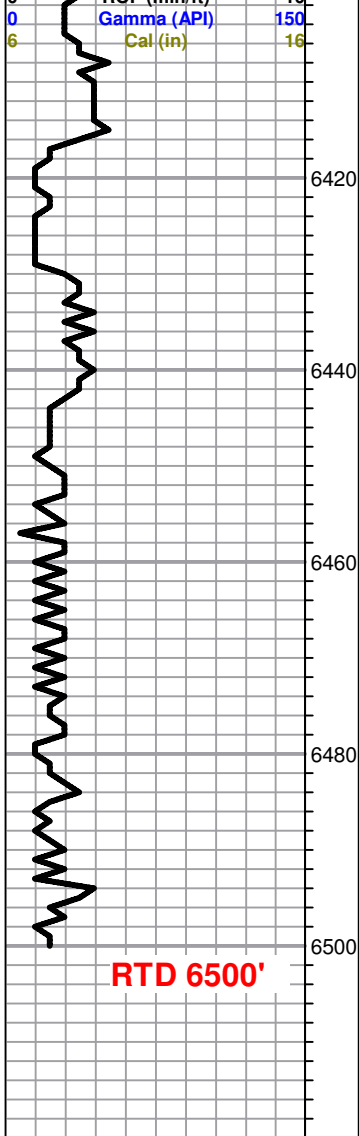
St. Louis 6352.0 (-3611.0)

LS, cream to white, FXL, chalky, few ool, poorly developed, no shows

LS, a/a

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





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

LS, white, cream to white, FXL, few ool, chalky, poor visible porosity, no shows

LS, cream to white, FXL, chalky, poor visible porosity, few ool, no shows,

