Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1198772

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 # 4058
Name: American Warrior, Inc.
Address 1: 3118 CUMMINGS RD
Address 2: PO BOX 399
City: GARDEN CITY State: KS Zip: 67846 + __ __ __ __
Contact Person: Joe Smith
Phone: (620) 275-2963
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Wyatt Urban
Purchaser: NCRA

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 #:

03/10/2014	03/18/2014	04/03/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-069-20470-00-00
Spot Description:
NW SE NE NW Sec. 17 Twp. 28 S. R. 30 ☐ East ☑ West
799 Feet from ☑ North / ☐ South Line of Section
2279 Feet from ☐ East / ☑ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW

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

Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84

County: Gray
Lease Name: Shadow Well #: 6-17
Field Name:
Producing Formation: Morrow
Elevation: Ground: 2806 Kelly Bushing: 2818
Total Vertical Depth: 5300 Plug Back Total Depth: 5254
Amount of Surface Pipe Set and Cemented at: 1743 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: 14000 ppm Fluid volume: 65 bbls
Dewatering method used: Evaporated

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: 04/09/2014
☑ **Confidential Release Date:** 04/08/2016
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 04/09/2014

[redacted] 1198772

Operator Name: American Warrior, Inc. Lease Name: Shadow Well #: 6-17

Sec. 17 Twp. 28 S. R. 30 ☐ East ☑ West County: Gray

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:
Attached

☐ Log Formation (Top), Depth and Datum ☑ Sample

Name: Attached Top: Attached Datum: Attached

CASING RECORD ☑ New ☐ 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
Surface	12.250	8.625	24	1743	Class A	825	3%CC,6%gel
Production	8.875	5.50	15.5	5284	EA-2	125	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ 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 *(Amount and Kind of Material Used)*	Depth
4	5115'to 5118'		

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: ☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Shadow 6-17
Doc ID	1198772

All Electric Logs Run

Induction
Porosity
micro
Sonic

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Shadow 6-17
Doc ID	1198772

Tops

Name	Top	Datum
Heebner	4131'	-1313
Lansing	4227'	-1409
Stark	4595'	-1777
Marmaton	4737'	-1919
Pawnee	4820'	-2002
Cherokee	4869'	-2051
Atoka	5009'	-2191
Morrow	5079'	-2261
Mississippian	5118'	-2300

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Shadow 6-17
Doc ID	1198772

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.250	8.625	24	1743	Class A	825	3%CC,6% gel
Production	8.875	5.50	15.5	5284	EA-2	125	

ALLIED OIL & GAS SERVICES, LLC

CEMENTING LOG

Date 3/11/2014 District Liberal # 21 Ticket No. 53085
Company American Warrior Rig Duke # 9
Lease shadow Well No 4-17
County GRAY 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 1743

CEMENT DATA
Spacer Type 10 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 50%
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 15.63 PPG
WATER Lead 10.9 Gal/sk Tail 5.2 Gal/sk Total BBLS

Pump Trucks Used: 700-686
Bulk Equipment 562-467
531-744

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

Float Equipment: Manufacturer WEATHERFORD
Shoe: Type GUIDE SHOE Depth 1743
Float: Type AFU Insert Valve Depth 1701
Centralizers: Quantity 3 Plugs Top 1 Bottom
Stage Collars
Special Equipment 1 Cement Basket @ 680 ft
Disp: Fluid Type H2O Amt 108.3 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	RATE BBLS/MIN	
230PM						ARRIVE TO LOCATION -- RUN FLOAT EQUIPMENT
300PM						RIG UP
530PM						CASING ON BOTTOM
600PM						SAFETY MEETING
615PM	2500					PRESSURE TEST
630PM	150		10		6	10 BBL WATER SPACER
635PM	150		233		6	PUMP 223 BBL OF LEAD SLURRY CEMENT
712PM	180		276		6	PUMP 43 BBL OF TAIL SLURRY CEMENT
728PM					4	RELEASE PLUG- START DISPLACEMENT
732PM	30		296		6	20 BBL GONE
736PM	120		316		6	40 BBL GONE
740PM	230		336		6	60BBLGONE
743PM	360		356		6	80 BBL GONE
746PM	400		376		3	100 BBL GONE SLOW DOWN TO 3 BPM
748PM	1000		384		3	BUMP PLUG
754PM						RELEASE PRESSURE, CHECK FLOATS
756PM						RIG DOWN
830PM						LEAVE LOCATION
						53 BBL OF CEMENT BACK
						BY EMIGDIO'S REQUEST MIX LEAD SLURRY @ 13 # / G

FINAL DISP. PRESS. 400 PSI BUMP PLUG TO 1000 PSI BLEEDBACK 0.5 BBLS THANK YOU

SWIFT Services, Inc.

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

TICKET 26039

PAGE 1 OF 2

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. Ness City KS	6-17	Shadow	Grey	KS	Copeland	19 MAR 14	
2.	TICKET TYPE ☐ SERVICE ☐ SALES	CONTRACTOR DUKE	RIG NAME/NO. 9	SHIPPED VIA CT	DELIVERED TO location	ORDER NO.	
3.	WELL TYPE 01	WELL CATEGORY Development	JOB PURPOSE cement long string		WELL PERMIT NO.	WELL LOCATION 17-28-30	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC	ACCT	DF	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
575		1			MILEAGE TRK 114	90	mi			6 00	540 00
578		1			Pump Charge	1	ea			1500 00	1500 00
402		1			Centralizer	5½	in	10	ea	70 00	700 00
403		1			Cement Basket	5½	in	1	ea	300 00	300 00
406		1			Latch down plug & baffle	5½	in	1	ea	275 00	275 00
407		1			Insert float shoe w/ AUTO FILL	5½	in	1	ea	375 00	375 00
											690

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

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

X

DATE SIGNED | TIME SIGNED ☐ A.M. ☑ P.M. 1630

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			

ARE YOU SATISFIED WITH OUR SERVICE? ☐ YES ☐ NO

☐ CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 1	3720 00
2	6056 13
subtotal	9776 13
Gray TAX 7.3%	476 80
TOTAL	10,222 93

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

SWIFT OPERATOR RON | APPROVAL

Thank You!

SWIFT Services, Inc.

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

TICKET CONTINUATION

TICKET No. 26039

CUSTOMER American Warrior | WELL Shadow 6-17 | DATE 19 mar 14 | PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC	ACCT	DF	TIME	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
325		1				Standard Cement (Fir SA-2)	175	sk			14 50	2537 50
284		1				calseal	8	SK	800	lb	35 00	280 00
283		1				Salt	900	lb			0 20	180 00
292		1				HALAd-322	125	lb			8 00	1000 00
276		1				Flocele	50	lb			2 50	125 00
290		1				D-AIR	2	gal			42 00	84 00
281		1				mudflush	500	lb			1 25	625 00
221		1				KCL Liquid	2	gal			25 00	50 00
581		1				SERVICE CHARGE 175	CUBIC FEET				2 00	350 00
583		1				MILEAGE CHARGE TOTAL WEIGHT 18325 LOADED MILES 30	TON MILES 824.63				1 00	824 63

CONTINUATION TOTAL 6056 13

JOB LOG

SWIFT Services, Inc.

DATE 12 MAR 14 | PAGE NO. 1

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
American Warrior	6-17	Shadow	cement long string	26039

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T	PUMPS C	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
								175 sk EA-2 cement w/ 4# Flocele
								5½ x 15.5# casing 126 jts ~~5299.35~~ 5307'
								TD 5300' shoe jt 42.15
								Centralizer 1, 2, 4, 5, 6, 8, 10, 12, 14, 16
								Basket #3
	0800							on loc TRK 114
	1108							start 5½" x 15.5# casing in well
	1420							Drop ball - circulate
	1456	3½	12				200	Pump ~~500~~ gal mudFlush
		3½	20				200	Pump 20 bbl KCL flush
	1505		7					Plug RH - MH ~~30 sks~~ ~~20 sks~~
	1512	4½	35				200	mix EA-2 cement ~~25 sks~~ @ 15.3 ppg
								wash out pump & line
								Drop latch down plug
	1535	6½					200	Displace plug
		6½	~~120~~ ~~150~~				750	
	1600	6½	125				1500	Land plug
	1603							Release pressure to truck - dried up
	1607							wash truck
								RACK up
	1645							job complete
								Thanks
								Blaine Flint & Jared

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Wyatt Urban

Shadow #6-17

17-28s-30w Gray,KS

Start Date: 2014.03.17 @ 16:48:00
End Date: 2014.03.18 @ 02:26:25
Job Ticket #: 56322 DST #: 1

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

Printed: 2014.03.25 @ 09:36:08

DRILL STEM TEST REPORT

American Warrior Inc.

PO Box 399
Garden City KS 67846

ATTN: Wyatt Urban

17-28s-30w Gray,KS

Shadow #6-17

Job Ticket: 56322 **DST#: 1**

Test Start: 2014.03.17 @ 16:48:00

GENERAL INFORMATION:

Formation: **Morrow Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:18:40
Time Test Ended: 02:26:25

Test Type: Conventional Bottom Hole (Initial)
Tester: Will MacLean
Unit No: 72

Interval: 5051.00 ft (KB) To 5125.00 ft (KB) (TVD)
Total Depth: 5125.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

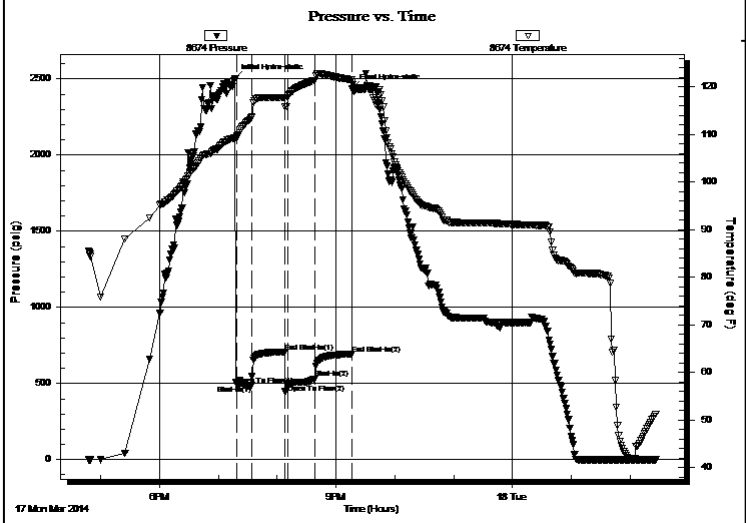
Reference Elevations: 2818.00 ft (KB)
2805.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8674 **Inside**

Press@RunDepth: 532.83 psig @ 5052.00 ft (KB)
Start Date: 2014.03.17 End Date: 2014.03.18
Start Time: 16:48:00 End Time: 02:26:25

Capacity: 8000.00 psig
Last Calib.: 2014.03.18
Time On Btm: 2014.03.17 @ 19:17:10
Time Off Btm: 2014.03.17 @ 21:16:39

TEST COMMENT: IF- Strong Surface Blow Built to BOB in 22 sec Gas to Surface in 8 min
ISI- BOB
FF- Strong Surface Blow Built to BOB in 6 sec
FSI- BOB



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2502.67	109.20	Initial Hydro-static
2	492.00	109.50	Open To Flow (1)
17	486.79	113.63	Shut-In(1)
51	708.15	117.74	End Shut-In(1)
54	492.60	118.09	Open To Flow (2)
82	532.83	121.44	Shut-In(2)
119	694.91	121.52	End Shut-In(2)
120	2439.69	121.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	GMCO 4%g 24%m 72%oil	0.61
440.00	20min Sample GMCO 4%g 23%m 73%o	5.63
440.00	15min Sample GMCO 20%g 28%m 52%	6.17
440.00	10min Sample GMCO 5%g 18%m 77%o	6.17
443.00	5min Samlpe MGCO 11%m 15%g 74%o	6.21
31.00	OGCM 7%oil 12%g 81%m	0.43

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	30.00	1276.45
Last Gas Rate	1.00	18.00	931.46
Max. Gas Rate	1.00	30.00	1276.45

DRILL STEM TEST REPORT

American Warrior Inc.

PO Box 399
Garden City KS 67846

ATTN: Wyatt Urban

17-28s-30w Gray,KS

Shadow #6-17

Job Ticket: 56322 **DST#: 1**

Test Start: 2014.03.17 @ 16:48:00

GENERAL INFORMATION:

Formation: **Morrow Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:18:40
Time Test Ended: 02:26:25

Test Type: Conventional Bottom Hole (Initial)
Tester: Will MacLean
Unit No: 72

Interval: 5051.00 ft (KB) To 5125.00 ft (KB) (TVD)
Total Depth: 5125.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

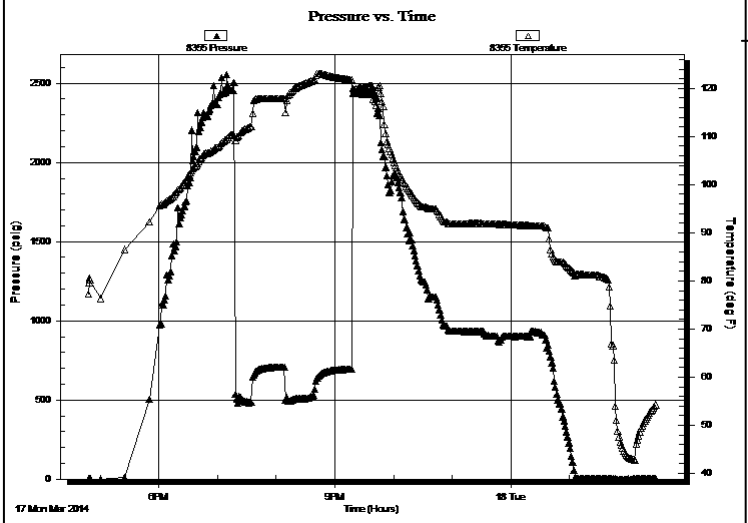
Reference Elevations: 2818.00 ft (KB)
2805.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8355 **Outside**

Press@RunDepth: psig @ 5052.00 ft (KB)
Start Date: 2014.03.17 End Date: 2014.03.18
Start Time: 16:48:05 End Time: 02:28:15

Capacity: 8000.00 psig
Last Calib.: 2014.03.18
Time On Btm:
Time Off Btm:

TEST COMMENT: IF- Strong Surface Blow Built to BOB in 22 sec Gas to Surface in 8 min
ISI- BOB
FF- Strong Surface Blow Built to BOB in 6 sec
FSI- BOB



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
124.00	GMCO 4%g 24%m 72%oil	0.61
440.00	20min Sample GMCO 4%g 23%m 73%o	5.63
440.00	15min Sample GMCO 20%g 28%m 52%	6.17
440.00	10min Sample GMCO 5%g 18%m 77%o	6.17
443.00	5min Samlpe MGCO 11%m 15%g 74%o	6.21
31.00	OGCM 7%oil 12%g 81%m	0.43

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	30.00	1276.45
Last Gas Rate	1.00	18.00	931.46
Max. Gas Rate	1.00	30.00	1276.45

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

PO Box 399
Garden City KS 67846

ATTN: Wyatt Urban

17-28s-30w Gray,KS

Shadow #6-17

Job Ticket: 56322 **DST#: 1**

Test Start: 2014.03.17 @ 16:48:00

Tool Information

Drill Pipe:	Length:	4870.00 ft	Diameter:	3.80 inches	Volume:	68.31 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:		14000.00 lb
					Total Volume:	69.21 bbl	Tool Chased		ft
Drill Pipe Above KB:		30.00 ft					String Weight:	Initial	76000.00 lb
Depth to Top Packer:		5051.00 ft						Final	80000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		74.00 ft							
Tool Length:		101.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			5025.00		
Shut In Tool	5.00			5030.00		
Hydraulic tool	5.00			5035.00		
Jars	5.00			5040.00		
Safety Joint	2.00			5042.00		
Packer	5.00			5047.00	27.00	Bottom Of Top Packer
Packer	4.00			5051.00		
Stubb	1.00			5052.00		
Recorder	0.00	8355	Outside	5052.00		
Recorder	0.00	8674	Inside	5052.00		
Perforations	3.00			5055.00		
Change Over Sub	1.00			5056.00		
Drill Pipe	63.00			5119.00		
Change Over Sub	1.00			5120.00		
Bullnose	5.00			5125.00	74.00	Bottom Packers & Anchor
Total Tool Length:	**101.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

PO Box 399
Garden City KS 67846

ATTN: Wyatt Urban

17-28s-30w Gray,KS

Shadow #6-17

Job Ticket: 56322 **DST#: 1**

Test Start: 2014.03.17 @ 16:48:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	25 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.98 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2800.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	GMCO 4%g 24%m 72%oil	0.610
440.00	20min Sample GMCO 4%g 23%m 73%oil	5.625
440.00	15min Sample GMCO 20%g 28%m 52%oil	6.172
440.00	10min Sample GMCO 5%g 18%m 77%oil	6.172
443.00	5min Samlpe MGCO 11%m 15%g 74%oil	6.214
31.00	OGCM 7%oil 12%g 81%m	0.435
0.00	3118' of GIP	0.000

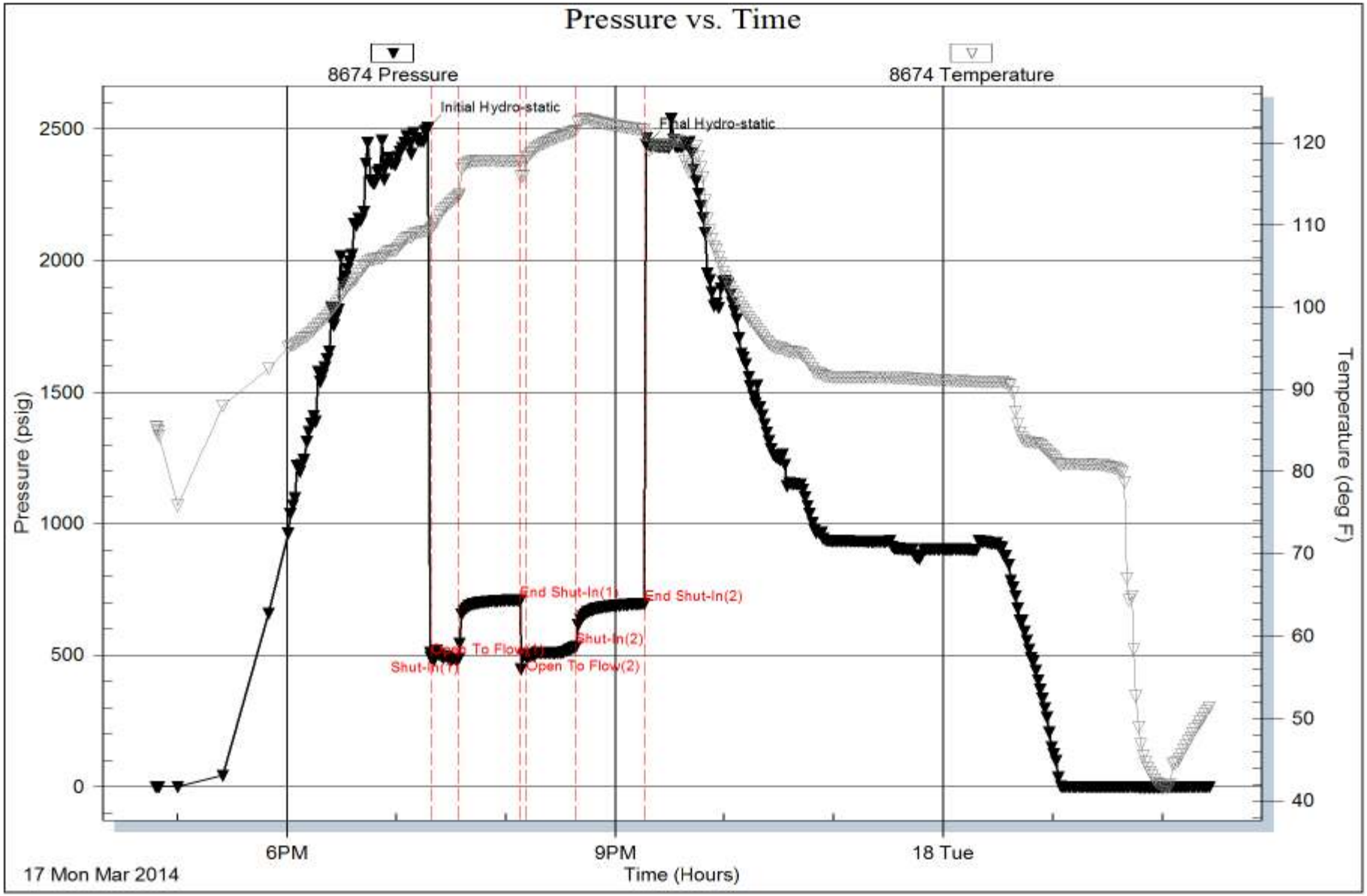
Total Length: 1918.00 ft Total Volume: 25.228 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

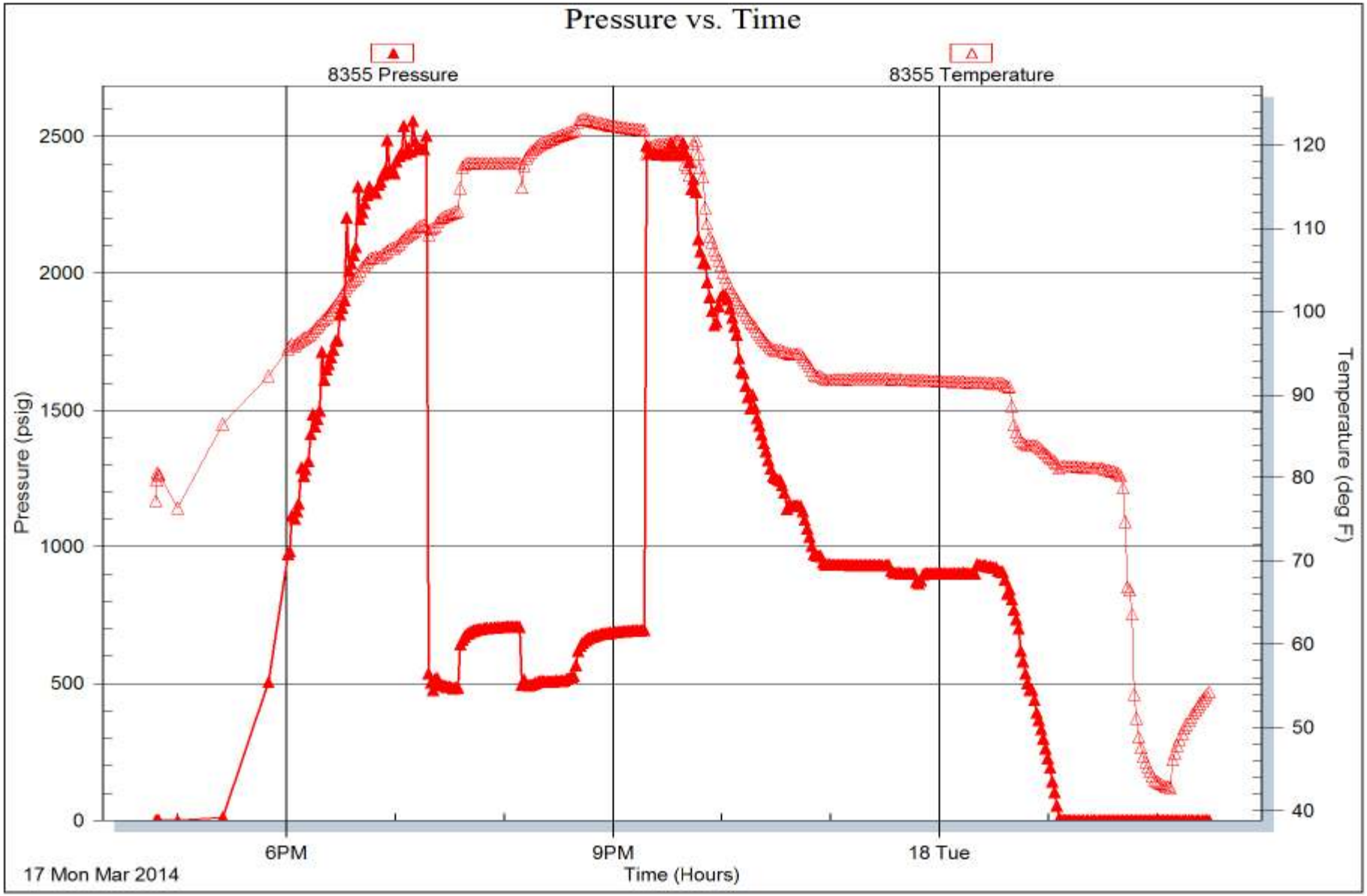
Recovery Comments: API is 24 @ 50f = 25

Serial #: 8674 **Inside** American Warrior Inc. Shadow #6-17 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 56322 Printed: 2014.03.25 @ 09:36:11

Serial #: 8355 **Outside** American Warrior Inc. Shadow #6-17 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 56322 Printed: 2014.03.25 @ 09:36:11

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 56322

Well Name & No. Shadow # C-17 Test No. DST #1 Date 3-17-14

Company American Warrior Elevation 2818 KB 2805 GL

Address P.O Box 399 Garden City KS 67846

Co. Rep / Geo. Wyatt Rig Duke #9

Location: Sec. 17 Twp. 28S Rge. 30W Co. Gray State KS

Interval Tested 5051 - 5125 Zone Tested Morrow Sand

Anchor Length 74 Drill Pipe Run 4870 Mud Wt. 9.3

Top Packer Depth 5047 Drill Collars Run 184 Vis 50

Bottom Packer Depth 5051 Wt. Pipe Run 0 WL 8.0

Total Depth 5125 Chlorides 2800 ppm System LCM 2#

Blow Description IF - Strong Surface Blow Built to BOB in 22 sec Gas to Surface in 8 min

IS I - BOB

FF - Strong Surface Blow Built to BOB in 6 sec

FS I - BOB

Rec 31	Feet of OGCM	OGCM	12 %gas	7 %oil	%water	81 %mud	
Rec 443	Feet of 5 min Sample	MGCO	15 %gas	74 %oil	%water	11 %mud	
Rec 410	Feet of 10 min sample	GMCO	5 %gas	77 %oil	%water	18 %mud	
Rec 440	Feet of 15 min sample	GMCO	20 %gas	52 %oil	%water	28 %mud	
Rec 440	Feet of 20 min Sample	GMCO	4 %gas	73 %oil	%water	23 %mud	
Rec Total 1124	BHT 121	Gravity 25	API RW GMCO 4	@ 72 °F	Chlorides 24	ppm	

(A) Initial Hydrostatic 2502	☑ Test 1350	T-On Location 14:10	
(B) First Initial Flow 492	☑ Jars 250	T-Started 16:48	
(C) First Final Flow 486	☑ Safety Joint 75	T-Open 19:18	
(D) Initial Shut-In 708	☑ Circ Sub Dropped Bar 50	T-Pulled	
(E) Second Initial Flow 492	☐ Hourly Standby	T-Out 2:26	
(F) Second Final Flow 532	☑ Mileage 176 R/T 272.80	Comments 3118' of GIP	
(G) Final Shut-In 694	☐ Sampler		
(H) Final Hydrostatic 2439	☐ Straddle	☐ Ruined Shale Packer	
	☐ Shale Packer	☐ Ruined Packer	
Initial Open 15	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 30	☐ Extra Recorder	Sub Total 0	
Final Flow 30	☐ Day Standby	Total 1997.80	
Final Shut-In 30	☐ Accessibility	MP/DST Disc't	
	Sub Total 1997.80		

Approved By _____ Our Representative _____

TRILOBITE TESTING INC.
P.O. Box 1733 • Hays, Kansas 67601

12/08

Gas Volume Report

American Warrior — Operator

Shadow # 6-17 — Well Name and No.

#1 — DST No.

Min.	Ins. of Water PSIG	Orifice Size	CF/D	Min.	Ins. of Water PSIG	Orifice Size	CF/D
10	30	1	1,276,447	5	16	1	873964
15	30	1	1,276,447	10	18	1	931,462
				15	18	1	931,462
				20	14	1	816,466

Remarks:

Musgrove PETROLEUM CORPORATION
Claflin, Kansas

NOTES

Company:American Warrior, Inc.

Lease: Shadow 6-17

Field:Shadow

Location:NW-SE-NE-NW (799' FNL & 2279' FWL)

Sec:17 Twsp:28S Rge:30W

County:Gray State:Kansas

GL:2805' KB:2818'

API #:15-069-20470-00-00

Contractor:Duke Drilling Inc. (Rig #9)

Spud:03/10/2014 Comp:03/19/2014

RTD: 5300' LTD:'

Mud Up: 3800' Type Mud: Chemical

Samples Saved From: 3900' to RTD
Drilling Time Kept From:3900' to RTD
Samples Examined From: 3900' to RTD
Geological Supervision from:3900' to RTD
Geologist on Well: Wyatt Urban

Surface Casing: 8 5/8@1743'

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

American Warrior Well Comparison

	DRILLING WELL American Warrior- Shadow 6-17 NW-SE-NE-NW 17-28S-30W				COMPARISON WELL American Warrior- Shadow 2-17 SW-NE-SE-NW 17-28S-30W				COMPARISON WELL American Warrior-Shadow 3-17 NE-SW-NE-NW 17-28S-30W			
	2818 KB				2810 KB		Structural Relationship		2821 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Heebner	4131	-1313		2818	4125	-1315	2		4133	-1312	-1	
Lansing	4227	-1409		2818	4220	-1410	1		4228	-1407	-2	
Stark	4595	-1777		2818					4599	-1778	1	
Marmaton	4737	-1919		2818	4729	-1919	0	4737	4738	-1917	-2	
Pawnee	4820	-2002		2818					4828	-2007	5	
Cherokee	4869	-2051		2818	4861	-2051	0	4869	4874	-2053	2	
Atoka	5009	-2191		2818	5028	-2218	27	5036	5018	-2197	6	
Morrow	5079	-2261		2818	5070	-2260	-1	5078	5079	-2258	-3	
Morrow Sd. upr	5086	-2268		2818	5087	-2277	9	5095				
Morrow Sd. Lwr	5114	-2296		2818	5107	-2297	1	5115				
Miss	5118	-2300		2818	5117	-2307	7	5125				
RTD	5300	-2482		2818	5249	-2439	-43	5257				
LTD		2818		2818	5249	-2439	5257	5257				

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc.

P.o Box 399
Garden City KS 67846

17-28s-30w Gray Co. KS.

Shadow # 6-17

Job Ticket: 56322 DST#: 1

ATTN: Wyatt

Test Start: 2014.03.17 @ 16:48:00

GENERAL INFORMATION:

Formation: **Morrow Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:18:40
Time Test Ended: 02:26:25

Test Type: Conventional Bottom Hole (Initial)
Tester: Will MacLean
Unit No: 72

Interval: 5051.00 ft (KB) To 5125.00 ft (KB) (TVD)
Total Depth: 5125.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

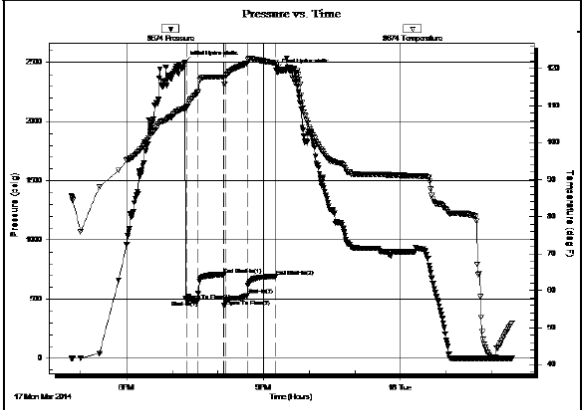
Reference Elevations: 2818.00 ft (KB)
2805.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8674 **Inside**

Press@RunDepth: 532.83 psig @ 5052.00 ft (KB)
Start Date: 2014.03.17 End Date: 2014.03.18
Start Time: 16:48:00 End Time: 02:26:25

Capacity: 8000.00 psig
Last Calib.: 2014.03.18
Time On Btm: 2014.03.17 @ 19:17:10
Time Off Btm: 2014.03.17 @ 21:16:39

TEST COMMENT: IF- Strong Surface Blow Built to BOB in 22sec Gas to Surface in 8min
ISI- BOB
FF- Strong Surface Blow Built to BOB in 6sec
FSI- BOB



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2502.67	109.20	Initial Hydro-static
2	492.00	109.50	Open To Flow (1)
17	486.79	113.63	Shut-In(1)
51	708.15	117.74	End Shut-In(1)
54	492.60	118.09	Open To Flow (2)
82	532.83	121.44	Shut-In(2)
119	694.91	121.52	End Shut-In(2)
120	2439.69	121.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	GMCO 4%g 24%m 72%oil	0.61
440.00	20min Sample GMCO 4%g 23%m 73%o	5.63
440.00	15min Sample GMCO 20%g 28%m 52%	6.17
440.00	10min Sample GMCO 5%g 18%m 77%o	6.17
443.00	5min Samlpe MGCO 11%m 15%g 74%o	6.21
31.00	OGCM 7%oil 12%g 81%m	0.43

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	30.00	1276.45
Last Gas Rate	1.00	14.00	816.47
Max. Gas Rate	1.00	30.00	1276.45

ROCK TYPES

Cht vari
sdy lmst
Lmst fw<7
Lmst fw7>
shale, grn
shale, gry
Carbon Sh
shale, red
Ss

ACCESSORIES

MINERAL
- Chert, dark
- Sandy
- Silty
- Chert White

FOSSIL
- F Fossils < 20%
- Oolite
- Pellets
- Oomoldic
- Fussilinid

STRINGER
- Chert
- Sandstone
- Shale
- green shale
- carb shale

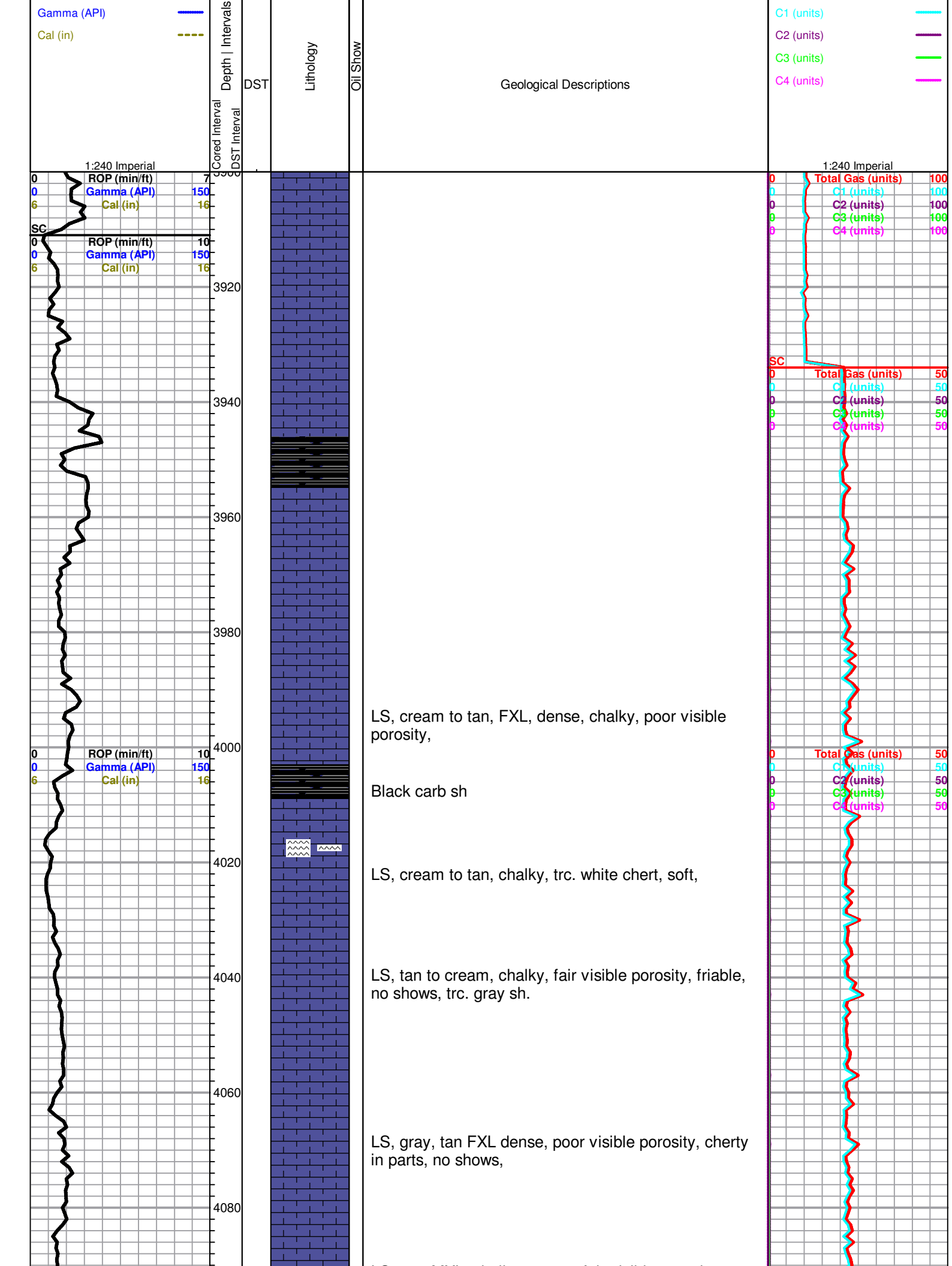
TEXTURE
- C Chalky
- CX Cryptocrystalline
- FX FinexIn
- MX MicroxIn

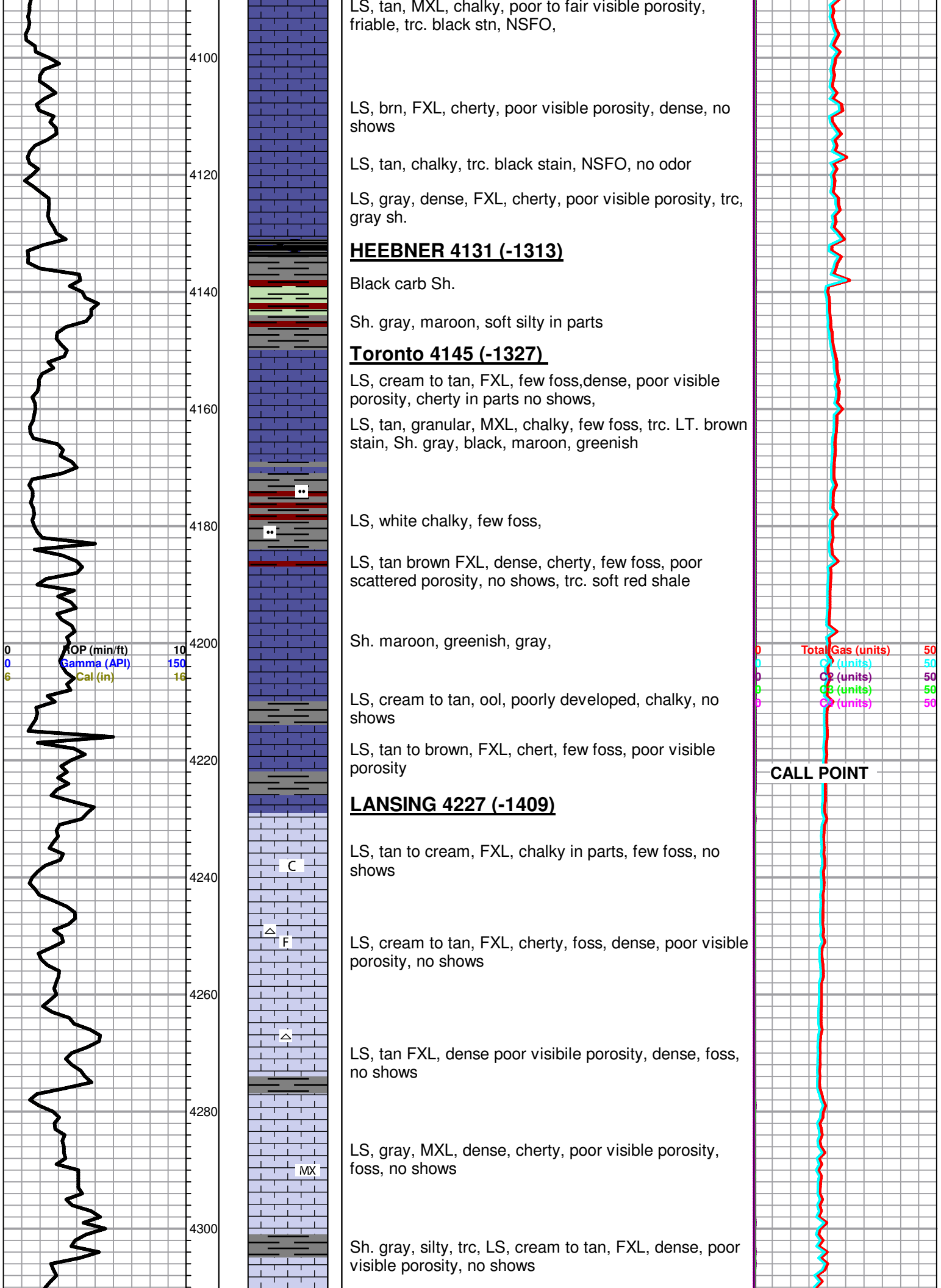
OTHER SYMBOLS

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

Curve Track #1						TG, C1 - C5
ROP (min/ft)						Total Gas (units)


Gamma (API)
Cal (in)
Depth | Intervals
Cored Interval
DST Interval
DST
Lithology
Oil Show
Geological Descriptions
C1 (units)
C2 (units)
C3 (units)
C4 (units)
1:240 Imperial
0 ROP (min/ft) 7
0 Gamma (API) 150
6 Cal (in) 16
SC
0 ROP (min/ft) 10
0 Gamma (API) 150
6 Cal (in) 16
3900
3920
3940
3960
3980
4000
4020
4040
4060
4080
0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100
SC
0 Total Gas (units) 50
0 C1 (units) 50
0 C2 (units) 50
0 C3 (units) 50
0 C4 (units) 50
LS, cream to tan, FXL, dense, chalky, poor visible porosity,
Black carb sh
LS, cream to tan, chalky, trc. white chert, soft,
LS, tan to cream, chalky, fair visible porosity, friable, no shows, trc. gray sh.
LS, gray, tan FXL dense, poor visible porosity, cherty in parts, no shows,



LS, tan, MXL, chalky, poor to fair visible porosity, friable, trc. black stn, NSFO,

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

LS, tan, chalky, trc. black stain, NSFO, no odor

LS, gray, dense, FXL, cherty, poor visible porosity, trc, gray sh.

HEEBNER 4131 (-1313)

Black carb Sh.

Sh. gray, maroon, soft silty in parts

Toronto 4145 (-1327)

LS, cream to tan, FXL, few foss,dense, poor visible porosity, cherty in parts no shows,

LS, tan, granular, MXL, chalky, few foss, trc. LT. brown stain, Sh. gray, black, maroon, greenish

LS, white chalky, few foss,

LS, tan brown FXL, dense, cherty, few foss, poor scattered porosity, no shows, trc. soft red shale

Sh. maroon, greenish, gray,

LS, cream to tan, ool, poorly developed, chalky, no shows

LS, tan to brown, FXL, chert, few foss, poor visible porosity

LANSING 4227 (-1409)

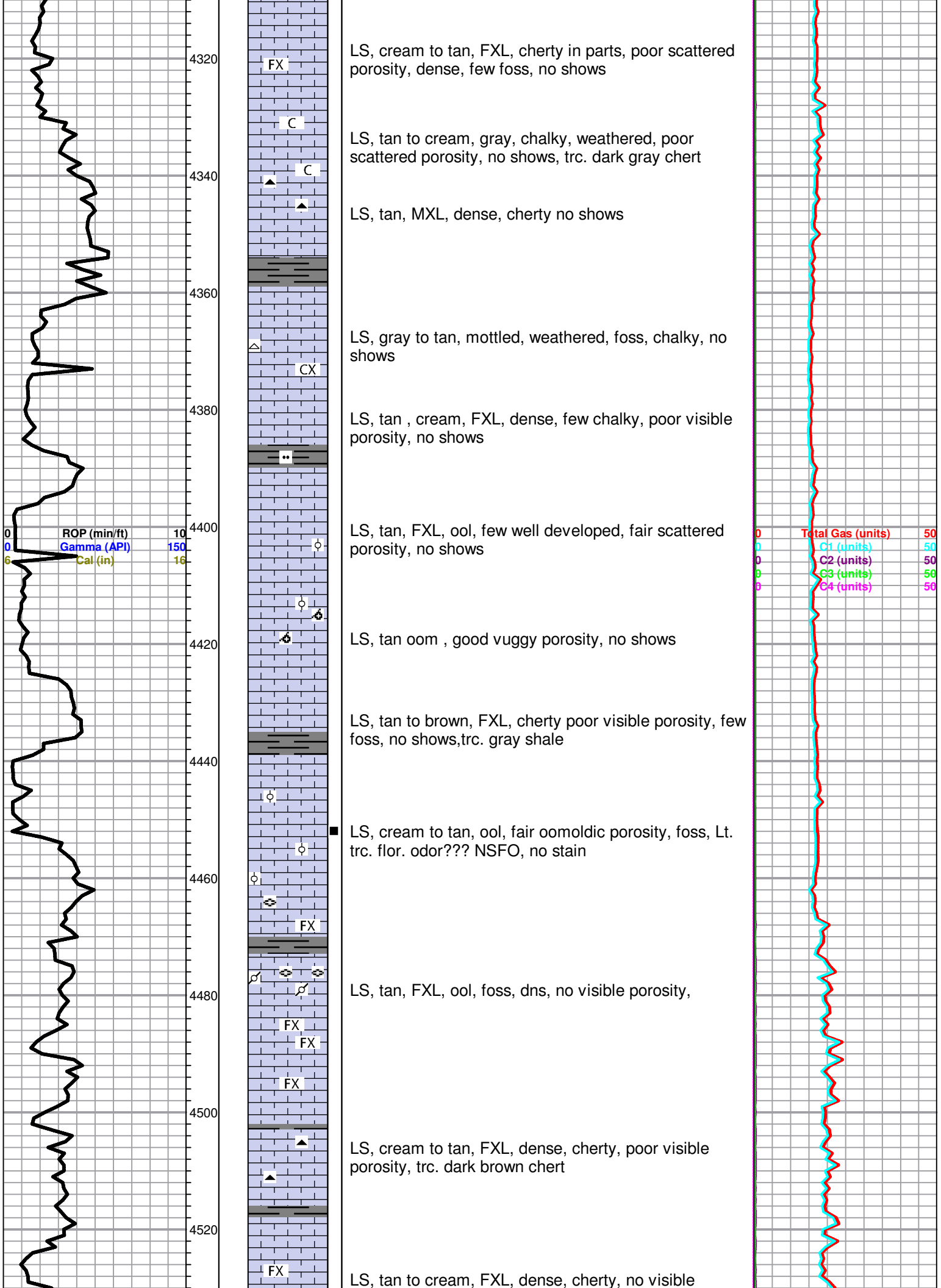
LS, tan to cream, FXL, chalky in parts, few foss, no shows

LS, cream to tan, FXL, cherty, foss, dense, poor visible porosity, no shows

LS, tan FXL, dense poor visibile porosity, dense, foss, no shows

LS, gray, MXL, dense, cherty, poor visible porosity, foss, no shows

Sh. gray, silty, trc, LS, cream to tan, FXL, dense, poor visible porosity, no shows



LS, cream to tan, FXL, cherty in parts, poor scattered porosity, dense, few foss, no shows

LS, tan to cream, gray, chalky, weathered, poor scattered porosity, no shows, trc. dark gray chert

LS, tan, MXL, dense, cherty no shows

LS, gray to tan, mottled, weathered, foss, chalky, no shows

LS, tan , cream, FXL, dense, few chalky, poor visible porosity, no shows

LS, tan, FXL, ool, few well developed, fair scattered porosity, no shows

LS, tan oom , good vuggy porosity, no shows

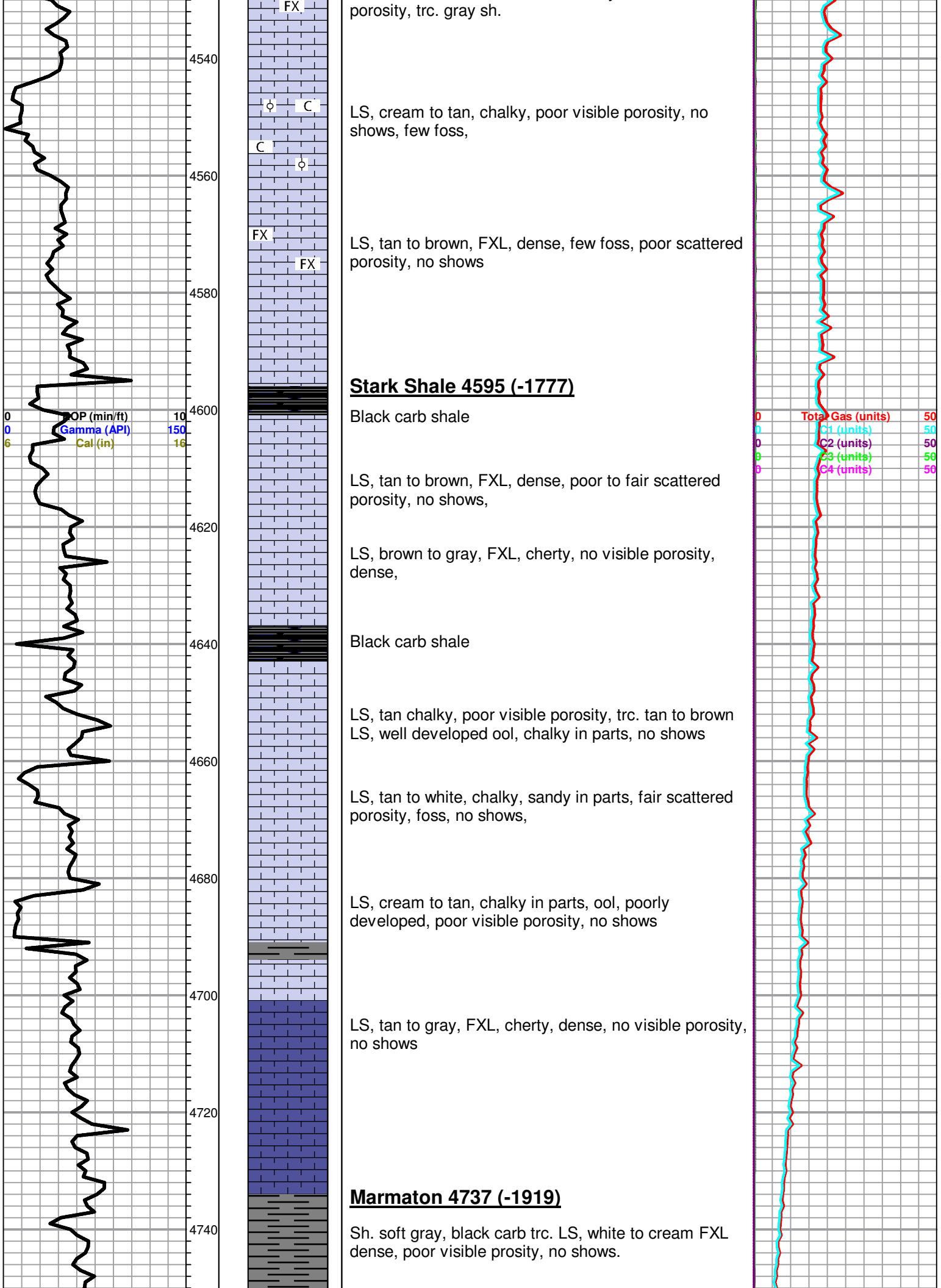
LS, tan to brown, FXL, cherty poor visible porosity, few foss, no shows,trc. gray shale

LS, cream to tan, ool, fair oomoldic porosity, foss, Lt. trc. flor. odor??? NSFO, no stain

LS, tan, FXL, ool, foss, dns, no visible porosity,

LS, cream to tan, FXL, dense, cherty, poor visible porosity, trc. dark brown chert

LS, tan to cream, FXL, dense, cherty, no visible



porosity, trc. gray sh.

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

LS, tan to brown, FXL, dense, few foss, poor scattered porosity, no shows

Stark Shale 4595 (-1777)

Black carb shale

LS, tan to brown, FXL, dense, poor to fair scattered porosity, no shows,

LS, brown to gray, FXL, cherty, no visible porosity, dense,

Black carb shale

LS, tan chalky, poor visible porosity, trc. tan to brown LS, well developed ool, chalky in parts, no shows

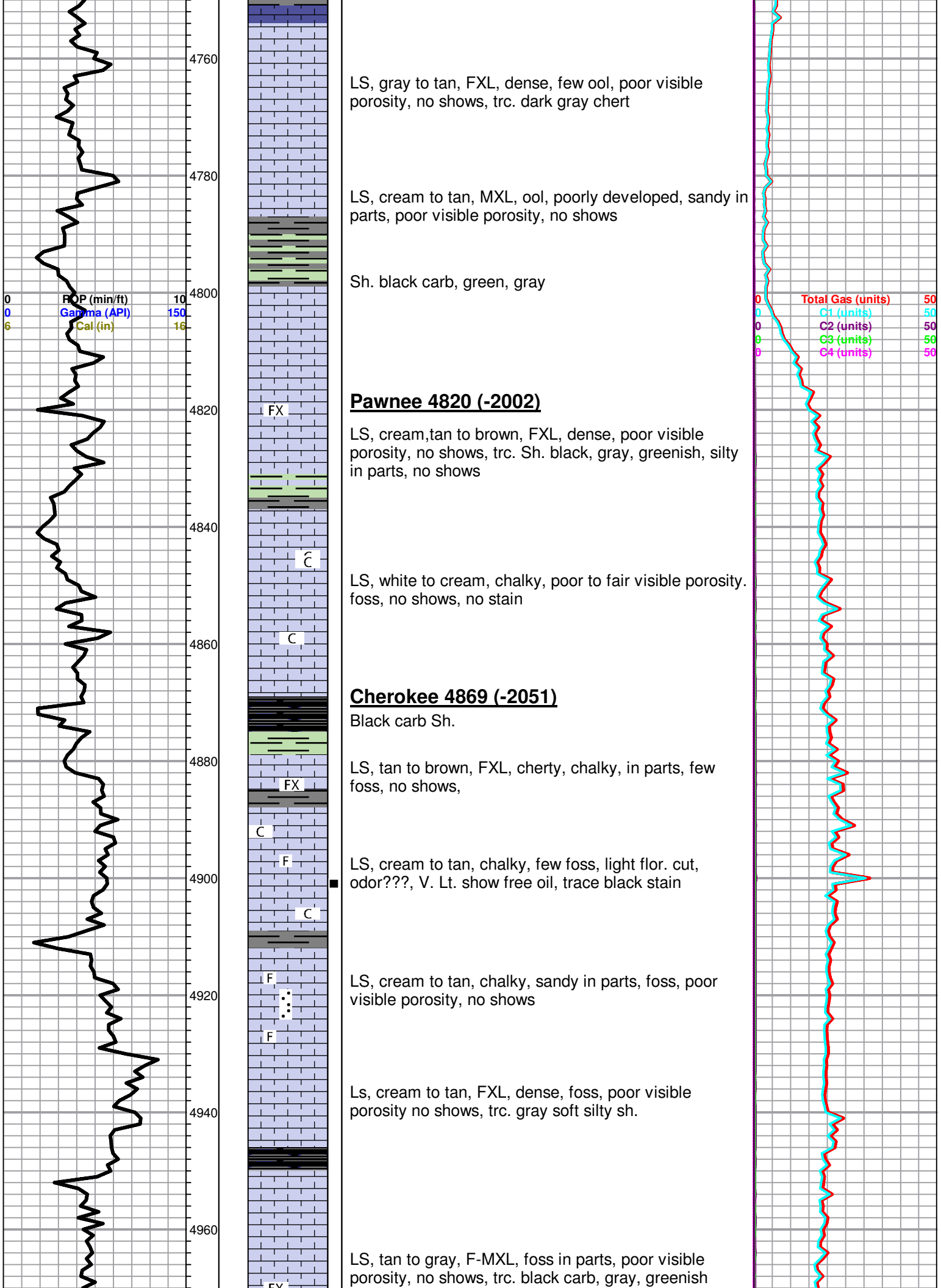
LS, tan to white, chalky, sandy in parts, fair scattered porosity, foss, no shows,

LS, cream to tan, chalky in parts, ool, poorly developed, poor visible porosity, no shows

LS, tan to gray, FXL, cherty, dense, no visible porosity, no shows

Marmaton 4737 (-1919)

Sh. soft gray, black carb trc. LS, white to cream FXL dense, poor visible prosity, no shows.



LS, gray to tan, FXL, dense, few ool, poor visible porosity, no shows, trc. dark gray chert

LS, cream to tan, MXL, ool, poorly developed, sandy in parts, poor visible porosity, no shows

Sh. black carb, green, gray

Pawnee 4820 (-2002)

LS, cream,tan to brown, FXL, dense, poor visible porosity, no shows, trc. Sh. black, gray, greenish, silty in parts, no shows

LS, white to cream, chalky, poor to fair visible porosity. foss, no shows, no stain

Cherokee 4869 (-2051)

Black carb Sh.

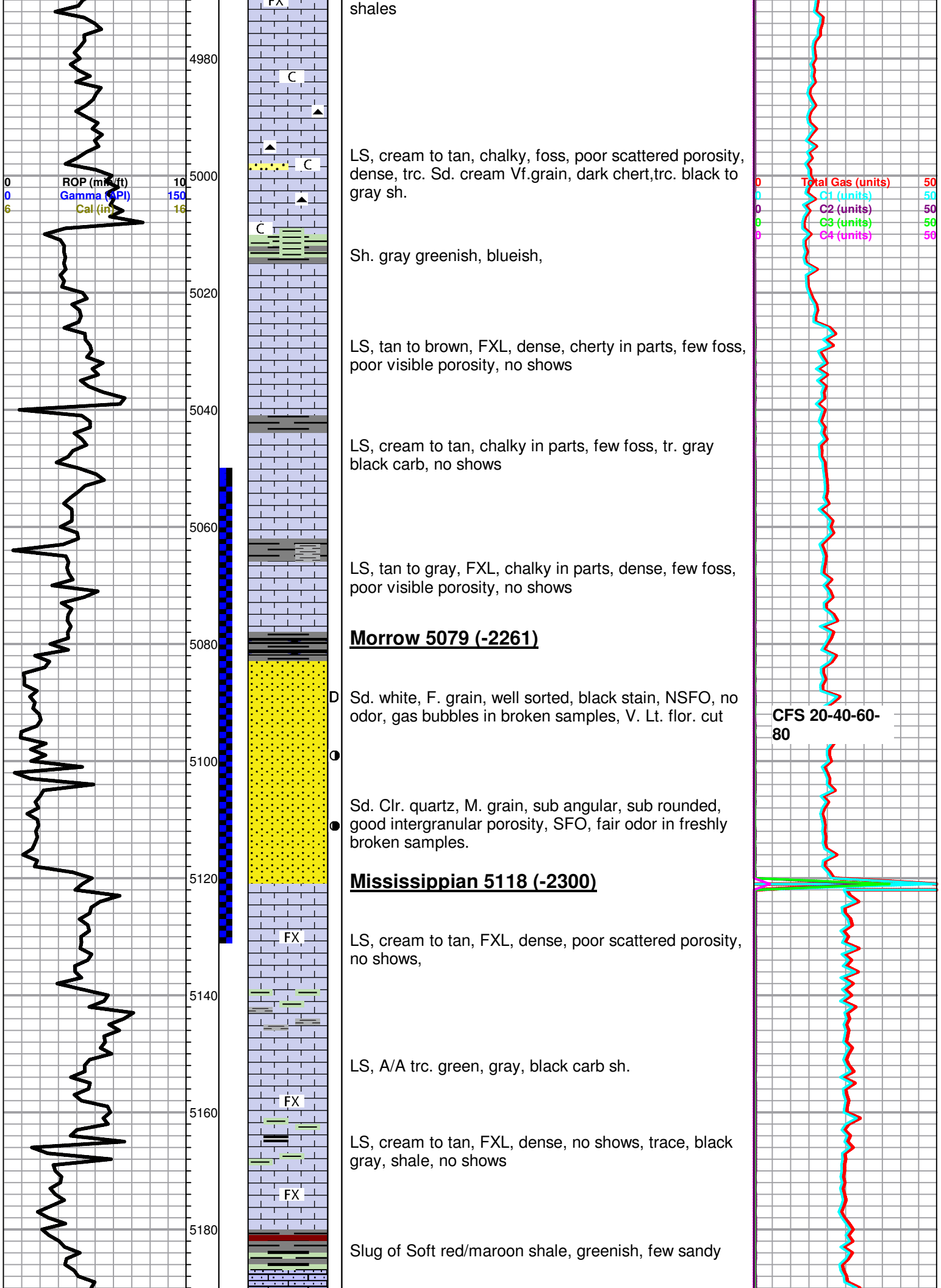
LS, tan to brown, FXL, cherty, chalky, in parts, few foss, no shows,

LS, cream to tan, chalky, few foss, light flor. cut, odor???, V. Lt. show free oil, trace black stain

LS, cream to tan, chalky, sandy in parts, foss, poor visible porosity, no shows

Ls, cream to tan, FXL, dense, foss, poor visible porosity no shows, trc. gray soft silty sh.

LS, tan to gray, F-MXL, foss in parts, poor visible porosity, no shows, trc. black carb, gray, greenish



shales

LS, cream to tan, chalky, foss, poor scattered porosity, dense, trc. Sd. cream Vf.grain, dark chert,trc. black to gray sh.

Sh. gray greenish, blueish,

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

LS, cream to tan, chalky in parts, few foss, tr. gray black carb, no shows

LS, tan to gray, FXL, chalky in parts, dense, few foss, poor visible porosity, no shows

Morrow 5079 (-2261)

Sd. white, F. grain, well sorted, black stain, NSFO, no odor, gas bubbles in broken samples, V. Lt. flor. cut

Sd. Clr. quartz, M. grain, sub angular, sub rounded, good intergranular porosity, SFO, fair odor in freshly broken samples.

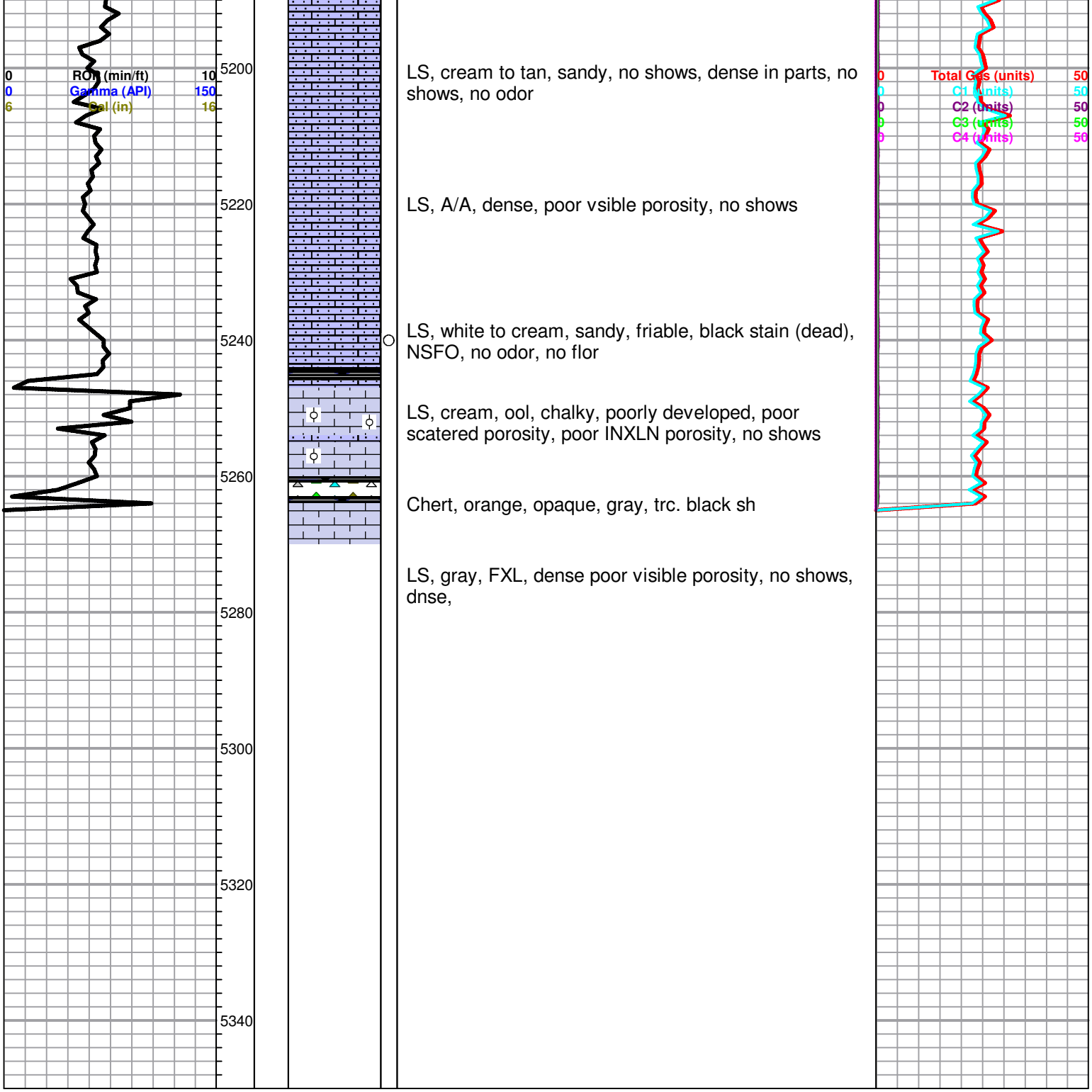
Mississippian 5118 (-2300)

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

LS, A/A trc. green, gray, black carb sh.

LS, cream to tan, FXL, dense, no shows, trace, black gray, shale, no shows

Slug of Soft red/maroon shale, greenish, few sandy



LS, cream to tan, sandy, no shows, dense in parts, no shows, no odor

LS, A/A, dense, poor vsible porosity, no shows

LS, white to cream, sandy, friable, black stain (dead), NSFO, no odor, no flor

LS, cream, ool, chalky, poorly developed, poor scatered porosity, poor INXLN porosity, no shows

Chert, orange, opaque, gray, trc. black sh

LS, gray, FXL, dense poor visible porosity, no shows, dnse,