

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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CEMENT TREATMENT REPORT

Customer: Rama Operating	Well: Bayer 6-29	Ticket: wp 4565
City, State: Ellinwood Kansas	County: Rice.Kansas	Date: 8/1/2023
Field Rep: Jaun	S-T-R: 29-19s-10w	Service: Surface

Downhole Information	
Hole Size:	12 1/4 in
Hole Depth:	353 ft
Casing Size:	8 5/8 in
Casing Depth:	349 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	21.0 bbls

Calculated Slurry - Lead	
Blend:	60/40 2&3
Weight:	14.8 ppg
Water / Sx:	5.2 gal / sx
Yield:	1.21 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	64.6 bbls
Total Sacks:	300 sx

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
3:00 AM			-	-	on location job and safety
3:15 AM			-	-	spot trucks and rig up
4:00 AM			-	-	start casing in the hole
5:00 AM			-	-	casing on bottom and circulate
5:05 AM			-	-	start cement
	5.0	250.0	3.0	3.0	fresh water
	5.0	250.0	64.0	67.0	mix 300 sacks cement
5:26 AM					cement in and shut down
					release plug
5:30 AM					start displacement
	3.0	200.0	21.0		
5:45 AM					displacement in and close in the well
					circulated 10 bbls to the pit

CREW		UNIT	SUMMARY		
Cementer:	M Brungardt	916	Average Rate	Average Pressure	Total Fluid
Pump Operator:	A Clifton	179/521	4.3 bpm	233 psi	88 bbls
Bulk #1:	K Jullan	176/532			
Bulk #2:					



Joshua R. Austin

Petroleum Geologist

report for
RAMA Operating CO., Inc



COMPANY: RAMA Operating Company, Inc.

LEASE: Bayer #6-29

FIELD: Chase-Silica

LOCATION: Se-Sw-Nw-Sw (1381' FSL & 335' FWL)

SEC: 29 TWSP: 19s RGE: 10w

COUNTY: Rice STATE: Kansas

KB: 1796' GL: 1785'

API # 15-159-22891-00-00

CONTRACTOR: Sterling Drillingrig #4

Spud: 07/31/2023 Comp: 08/07/2023

RTD: 3380' LTD: 3380'

Mud Up: 2479' Type Mud: Chemical was displaced

Samples Saved From: 2600-RTD

Drilling Time Kept From: 1300'-RTD

Samples Examined From: 2600-RTD

Geological Supervision From: 2800' - RTD

Geologist on Well: Josh Austin

Surface Casing: 8 5/8" @ 348'

Production Casing: 5 1/2" @ 3374'

Electronic Surveys: Pioneer Energy Services (CNL/CDL, DIL, BHCS, MEL)

NOTES

The RAMA Operating Co., Inc. Bayer #6-29 was drilled to a total depth of 3380'. On the basis of the structural position and positive drill stem test, 5 1/2' production casing was set and cemented to further test Arbuckle and Lansing zones. See typed geo report for recommendations

Respectfully Submitted,
Josh Austin
Geologist

RAMA Operating Co., Inc.
well comparison sheet

DRILLING WELL					COMPARISON WELL				COMPARISON WELL				
S. Bayer 6-29					Bayer A 2				Roth 1				
1796 KB					1781 KB				1783 KB				
					Structural Relationship				Structural Relationship				
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log	
Anhydrite	489	1307	485	1311						485	1298	9	13
Topeka	2600	-804	2599	-803									
Heebner	2866	-1070	2866	-1070	2852	-1071	1	1					
Toronto	2879	-1083	2882	-1086									
Douglas	2896	-1100	2896	-1100									
Brown Lime	2985	-1189	2984	-1188	2973	-1192	3	4		2990	-1207	18	19
Lansing	3012	-1216	3012	-1216	3000	-1219	3	3		3014	-1231	15	15
BKC	3249	-1453	3245	-1449									
Arbuckle	3279	-1483	3280	-1484	3283	-1502	19	18		3311	-1528	45	44
Total Depth	3380	-1584	3380	-1584	3410	-1629				3313	-1530		



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Rama Operating Co Inc.

29-19S-10W Rice

101 S Main St
Po Box 159
Stafford Ks. 67578
ATTN: Josh Austing

Bayer 6-29

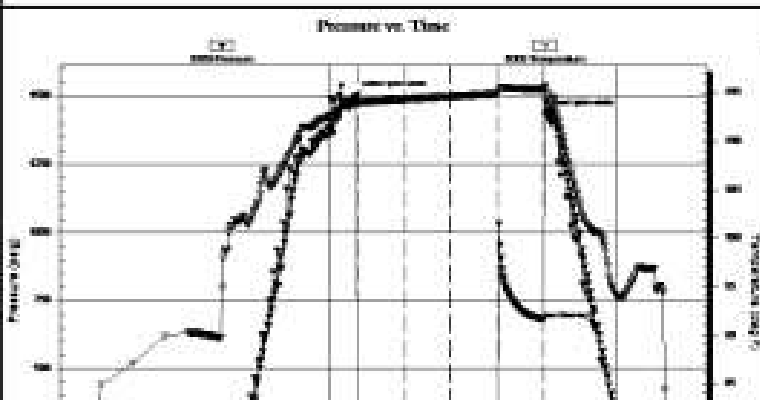
Job Ticket: 70562 DST#: 1
Test Start: 2023.08.04 @ 18:29:39

GENERAL INFORMATION:

Formation: **LKC F-G**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:17:49
 Time Test Ended: 00:38:29
 Interval: **3075.00 ft (KB) To 3105.00 ft (KB) (TVD)**
 Total Depth: **3105.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Fair
 Reference Elevations: **1796.00 ft (KB)**
1785.00 ft (CF)
 KB to GRICF: **11.00 ft**

Serial #: 8369 **Outside**
 Press@RunDepth: **22.96 psig @ 3077.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2023.08.04** End Date: **2023.08.05** Last Calib.: **2023.08.05**
 Start Time: **18:29:40** End Time: **00:38:29** Time On Blm: **2023.08.04 @ 21:17:09**
 Time Off Blm: **2023.08.04 @ 23:15:09**

TEST COMMENT: F:Weak Building Blow built to .72" but died back to .38" (30)
 Et:No Blow Back (30)
 FF:Weak Blow built to .25" but blow died. (30)
 FS:No Blow Back (30) final shut in pressure is invalid



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1499.01	114.26	Initial Hydro-static
1	19.53	113.92	Open To Flow (1)
31	30.57	114.35	Shut-in(1)
59	69.24	114.64	End Shut-in(1)
60	18.24	114.62	Open To Flow(2)
89	22.96	114.92	Shut-in(2)
118	681.14	115.42	End Shut-in(2)
118	1432.20	115.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	375' GIP	0.00
15.00	V SOCM 5%O-95%M	0.07

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

Rama Operating Co Inc.

29-19S-10W Rice

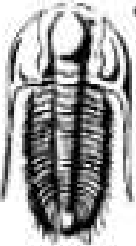
101 S Main St
Po Box 159
Stafford Ks. 67578
ATTN: Josh Ausling

Bayer 6-29

Job Ticket: 70564

DST#: 3

Test Start: 2023.08.06 @ 04:00:04



TRILOBITE
TESTING, INC.

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:26:54
Time Test Ended: 11:33:34

Test Type: Conventional Bottom Hole (Reset)
Tester: Eric Burgess
Unit No: 80

Interval: 3248.00 ft (KB) To 3283.00 ft (KB) (TVD)
Total Depth: 3283.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

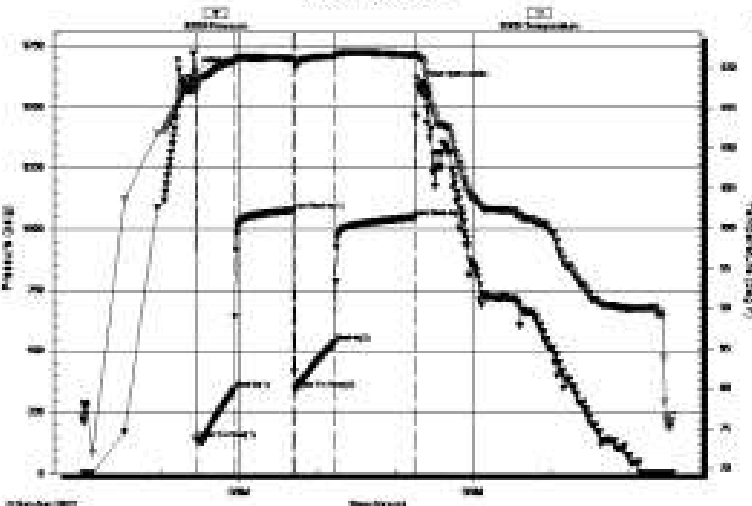
Reference Elevations: 1796.00 ft (KB)
1785.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8369 Outside
Press@RunDepth: 536.55 psig @ 3250.00 ft (KB)
Start Date: 2023.08.06 End Date: 2023.08.06
Start Time: 04:00:05 End Time: 11:33:34

Capacity: 8000.00 psig
Last Calib.: 2023.08.06
Time On Btm: 2023.08.06 @ 05:26:04
Time Off Btm: 2023.08.06 @ 08:17:43

TEST COMMENT: F-Strong Building Blow built to 501.26" (30)
IS 142.28" Blow Back (45)
FF-Strong Building Blow built to 321.78" (30)
FS 176" Blow Back (60)

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1642.27	117.29	Initial Hydro-static
1	140.14	117.08	Open To Flow (1)
31	345.33	120.84	Shut-in(1)
76	1076.75	121.20	End Shut-in(1)
78	344.84	120.33	Open To Flow (2)
108	536.55	121.44	Shut-in(2)
170	1048.87	121.59	End Shut-in(2)
172	1587.33	121.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
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Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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218.00	OMOG 20%O 65%G 15%M	1.07
1267.00	Oil 100%O	18.53

First Gas Rate	0.13	7.45	8.09
Last Gas Rate	0.13	11.72	9.67
Max. Gas Rate	0.13	11.72	9.67

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Rama Operating Co Inc.
101 S Main St
Po Box 159
Stafford Ks. 67578
ATTN: Josh Austing

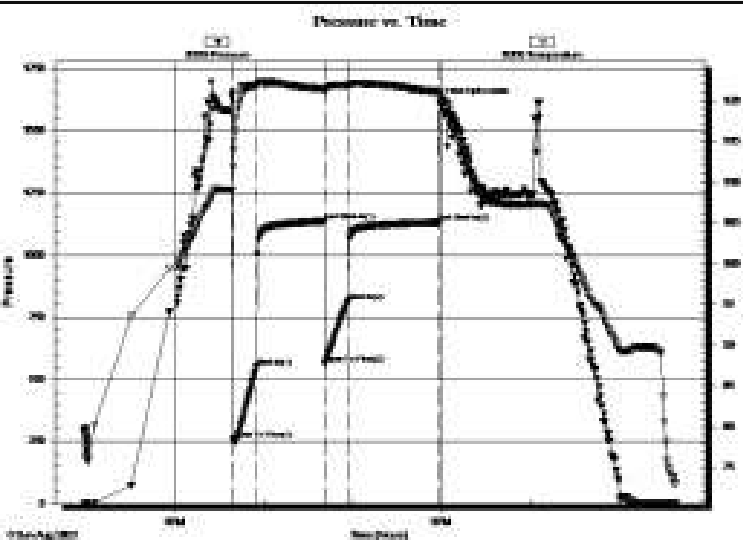
29-19S-10W Rice
Bayer 6-29
Job Ticket: 70565 **DST#: 4**
Test Start: 2023.08.06 @ 16:58:44

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 18:39:24
 Tester: Eric Burgess
 Time Test Ended: 23:38:14
 Unit No: 80
 Interval: **3283.00 ft (KB) To 3293.00 ft (KB) (TVD)**
 Reference Elevations: 1796.00 ft (KB)
 Total Depth: 3293.00 ft (KB) (TVD) 1785.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 8369 **Outside**
 Press@RunDepth: 815.03 psig @ 3295.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2023.08.06 End Date: 2023.08.06 Last Calib.: 2023.08.06
 Start Time: 16:58:45 End Time: 23:38:14 Time On Blm: 2023.08.06 @ 18:38:04
 Time Off Blm: 2023.08.06 @ 20:58:44

TEST COMMENT: F-Strong Building Blow built to 670.82" (15)
 S@179.67" Blow Back (45)
 FF-Strong Building Blow built to 625.49" (15)
 FS@215.95" Blow Back (60)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1637.45	109.05	Initial Hydro-static
2	259.57	111.75	Open To Flow (1)
17	550.76	121.84	Shut-In(1)
63	1134.89	121.44	End Shut-In(1)
63	583.03	121.21	Open To Flow(2)
80	815.03	121.85	Shut-In(2)
140	1130.28	121.09	End Shut-In(2)
141	1612.25	120.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2550.00	Gassy Oil 100%O	35.18

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	13.29	10.36
Last Gas Rate	0.13	22.37	13.76
Max. Gas Rate	0.13	23.80	14.30

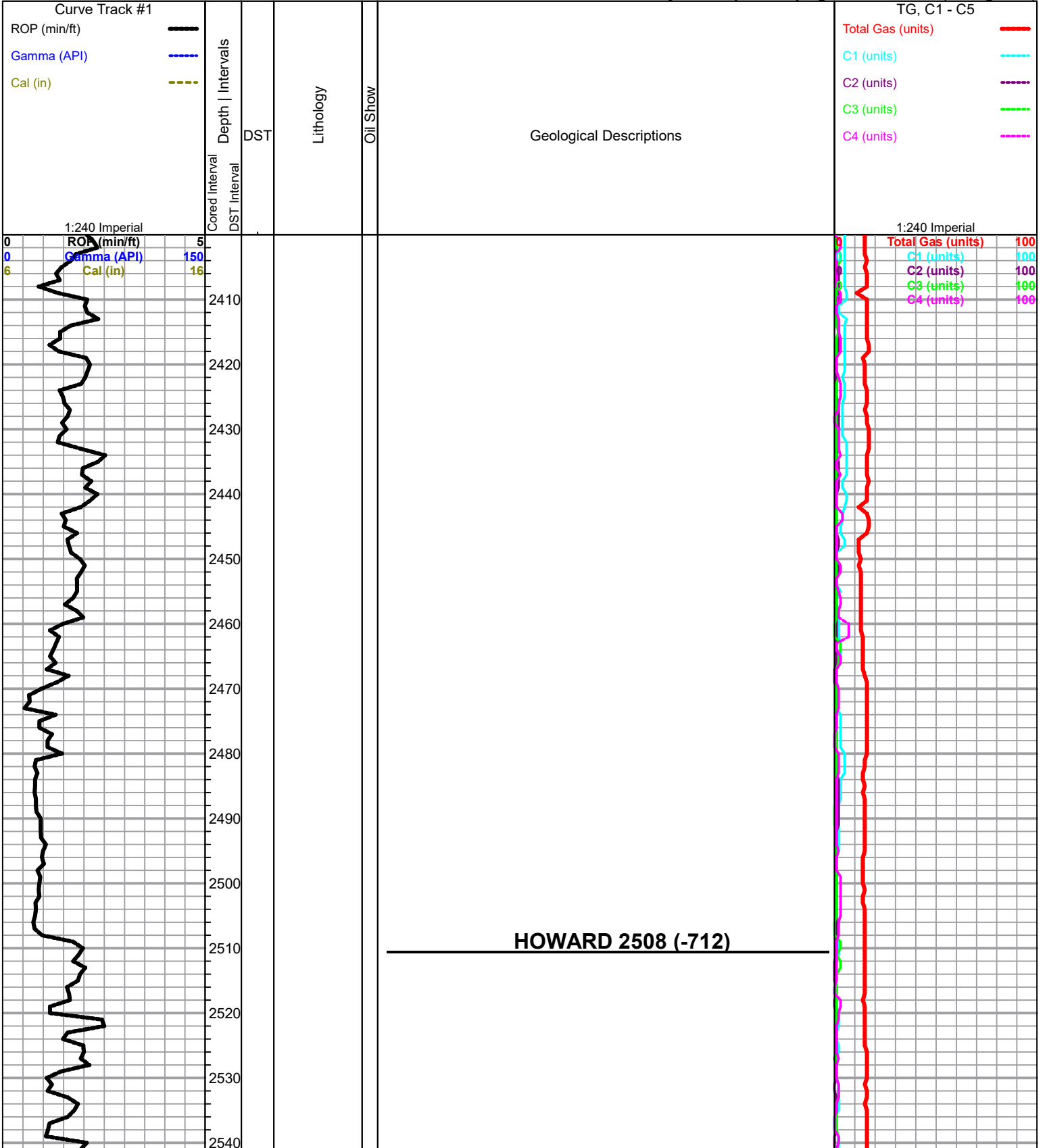
ROCK TYPES



OTHER SYMBOLS



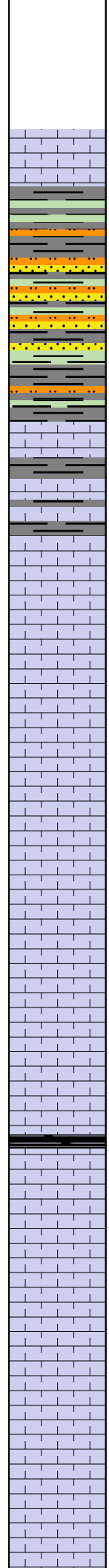
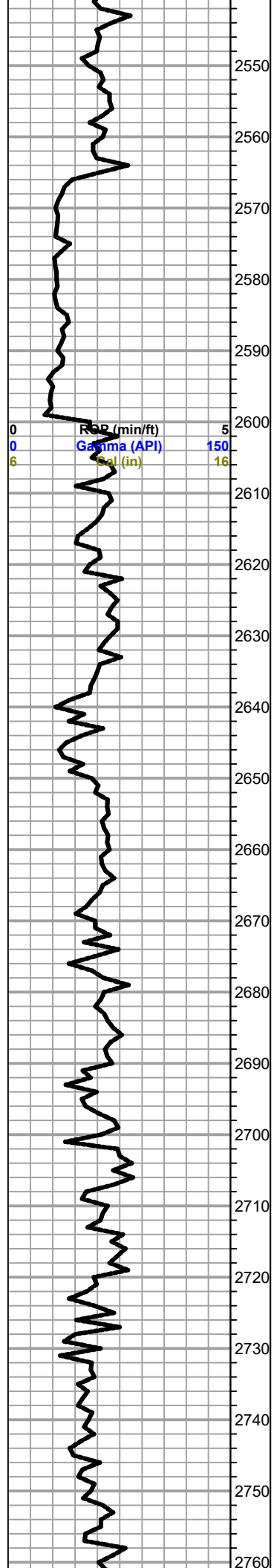
Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)



HOWARD 2508 (-712)

2550
2560
2570
2580
2590
2600
2610
2620
2630
2640
2650
2660
2670
2680
2690
2700
2710
2720
2730
2740
2750
2760

ROP (min/ft) 5
Gamma (API) 150
Cal (in) 16



SEVERY 2566 (-770)

Grey-greyish green Siltstone, micaceous in part, plus grey silty Shale

Trace Clear Sand; sub angular, poorly sorted, fair inter granular porosity, no shows

TOPEKA 2600 (-804)

Limestone; tan-buff, fine xln, dense, poor visible porosity, no shows

Limestone; cream-lt. grey, fine xln, chalky in part slightly fossiliferous, granular, poorly developed porosity, no shows

Limestone; cream-buff, fossiliferous, granular in part, few scattered vuggy-inter xln porosity, no shows

Limestone; tan-grey, fine xln, dense, cherty in part, no visible porosity, no shows, trace grey fossiliferous Chert

Limestone; as above

KING HILL 2700 (-904)

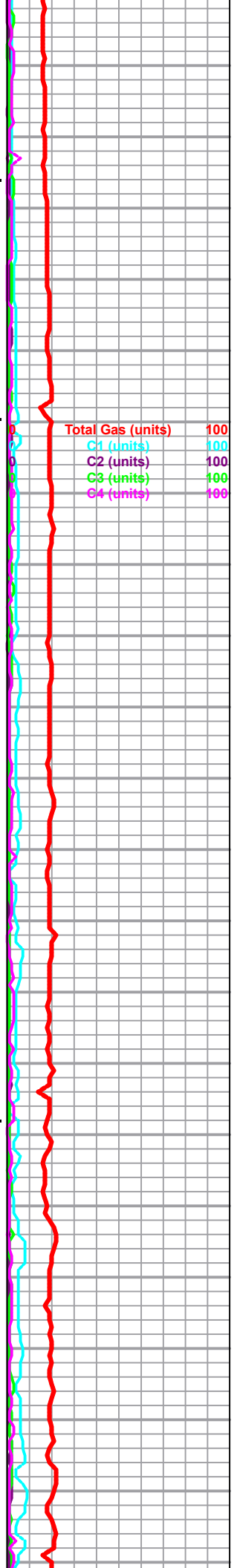
Black Carboniferous Shale

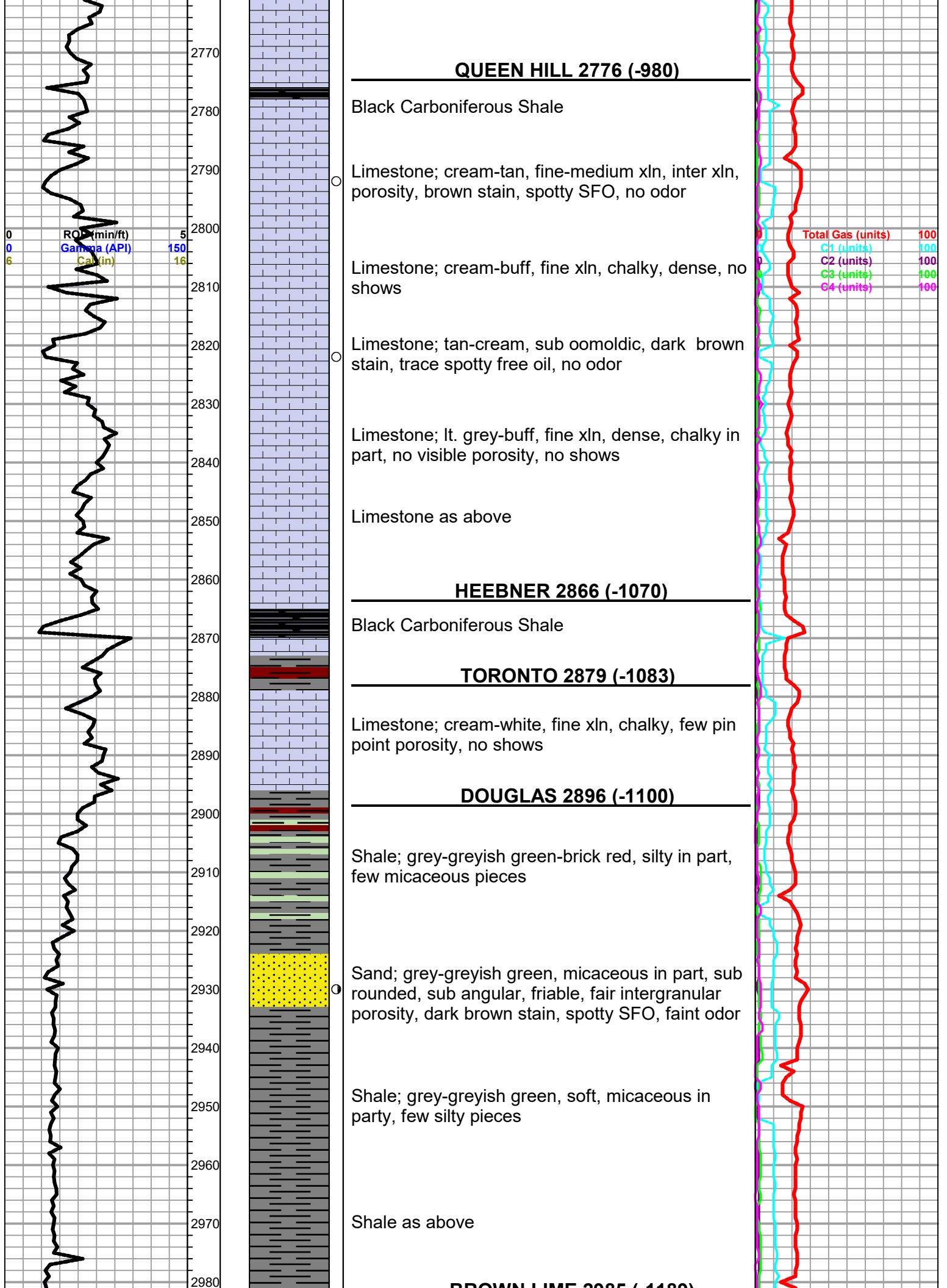
Limestone; tan-cream, fine xln, chalky in part, slightly fossiliferous, poor visible porosity, no shows

Limestone; as above, granular in part, plus grey fossiliferous, Chert

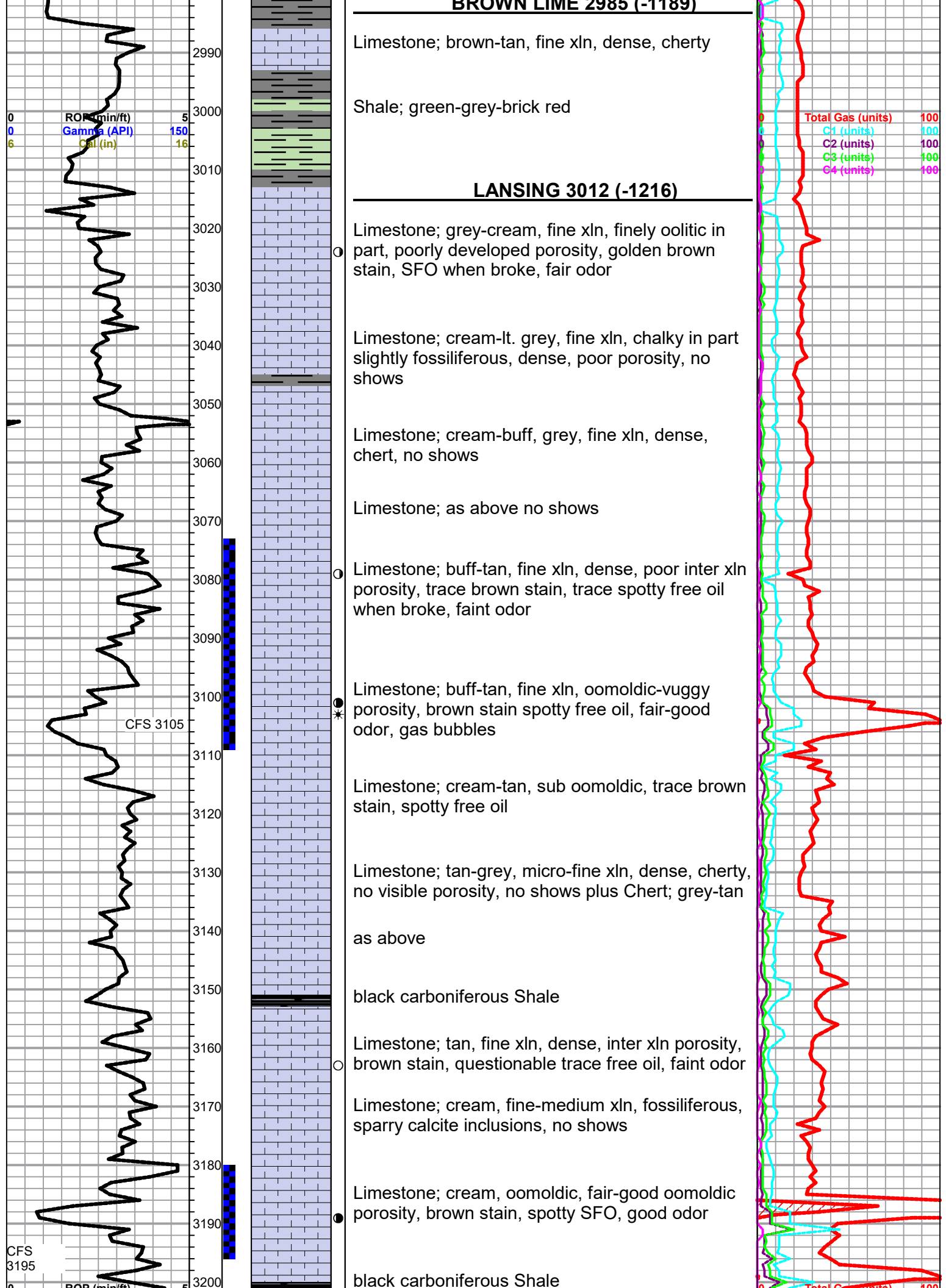
Limestone; cream-buff, fine xln, few inter xln porosity, granular in part, fossiliferous, no show

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





BROWN LIME 2985 (-1189)



Limestone; brown-tan, fine xln, dense, cherty

Shale; green-grey-brick red

LANSING 3012 (-1216)

Limestone; grey-cream, fine xln, finely oolitic in part, poorly developed porosity, golden brown stain, SFO when broke, fair odor

Limestone; cream-lt. grey, fine xln, chalky in part slightly fossiliferous, dense, poor porosity, no shows

Limestone; cream-buff, grey, fine xln, dense, chert, no shows

Limestone; as above no shows

Limestone; buff-tan, fine xln, dense, poor inter xln porosity, trace brown stain, trace spotty free oil when broke, faint odor

Limestone; buff-tan, fine xln, oomoldic-vuggy porosity, brown stain spotty free oil, fair-good odor, gas bubbles

Limestone; cream-tan, sub oomoldic, trace brown stain, spotty free oil

Limestone; tan-grey, micro-fine xln, dense, cherty, no visible porosity, no shows plus Chert; grey-tan

as above

black carboniferous Shale

Limestone; tan, fine xln, dense, inter xln porosity, brown stain, questionable trace free oil, faint odor

Limestone; cream, fine-medium xln, fossiliferous, sparry calcite inclusions, no shows

Limestone; cream, oomoldic, fair-good oomoldic porosity, brown stain, spotty SFO, good odor

black carboniferous Shale

