



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1172157  
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: \_\_\_\_\_



1172157

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  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				

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Rama Operating Co., Inc.
Well Name	Greenback 1-27
Doc ID	1172157

All Electric Logs Run

DUCP
DIL
MICRO
SONIC

Form	ACO1 - Well Completion
Operator	Rama Operating Co., Inc.
Well Name	Greenback 1-27
Doc ID	1172157

Tops

Name	Top	Datum
Heebner	3619	-1662
Toronto	3643	-1686
Douglas	3654	-1697
Lansing	3796	-1839
Base KC	4128	-2171
Mississipian	4224	-2267
Viola	4309	-2352
Simpson Sand	4351	-2394
Total Depth	4430	-2473



# Joshua R. Austin

## Petroleum Geologist

report for

### RAMA Operating CO., Inc



COMPANY: RAMA Operating Company, Inc.

LEASE: Greenback #1-27

FIELD: Iuka-Carmi

LOCATION: 330' FSL & 2310' FWL Se-Se-Se

SEC: 27 TWSP: 26s RGE: 13w

COUNTY: Pratt STATE: Kansas

KB: 1957 GL: 1944

API # 15-151-22427-00-00

CONTRACTOR: Sterling Drilling (rig #5)

Spud: 11-18-2013 Comp: 11-27-2013

RTD: 3742 LTD: 3742

Mud Up: 3092' Type Mud: Chemical was displaced

Samples Saved From: 3200'to RTD  
 Drilling Time Kept From: 3200'to RTD  
 Samples Examined From: 3200'to RTD  
 Geological Supervision From: 3200'to RTD  
 Geologist on Well: Josh Austin

Surface Casing: 13 3/8" @ 275'  
 Production Casing: None

Electronic Surveys: By Pioneer Energy Services

#### NOTES

On the basis of the low structural position, drill stem test and after evaluating the electric logs, it was recommended by all parties involved in the Greenback 1-27 be plug and abandon at the rotary total depth 4430'

## RAMA Operating Co., Inc.

### well comparison sheet

DRILLING WELL

COMPARISON WELL

COMPARISON WELL

1957 KB					1963 KB				1953 KB			
					Structural Relationship				Structural Relationship			
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Heebner	3622	-1665	3619	-1662	3586	-1623	-42	-39	3594	-1631	-34	-31
Toronto	3641	-1684	3643	-1686	3606	-1643	-41	-43	3611	-1648	-36	-38
Douglas	3655	-1698	3654	-1697	3625	-1662	-36	-35	3627	-1664	-34	-33
Brown Lime	3783	-1826	3779	-1822	3750	-1787	-39	-35	3754	-1791	-35	-31
Lansing	3800	-1843	3796	-1839	3776	-1813	-30	-26	3782	-1819	-24	-20
Base KC	4127	-2170	4128	-2171	4093	-2130	-40	-41	4099	-2136	-34	-35
Mississippi	4217	-2260	4224	-2267	4170	-2207	-53	-60	4184	-2221	-39	-46
Viola	4312	-2355	4309	-2352	4260	-2297	-58	-55	4262	-2299	-56	-53
Simpson Sand	4350	-2393	4351	-2394	4321	-2358	-35	-36	4323	-2360	-33	-34
Total Depth	4430	-2473	4428	-2471	4425	-2462			4484	-2521		



**TRIOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

RAMA Oper. Co. Inc.

27-26s.-13w. Pratt Co. KS

101 S. Main St.  
Stafford, KS 67578-1429

**Greenback 1-27**

ATTN: Josh Austin

Job Ticket: 51852      DST#: 1

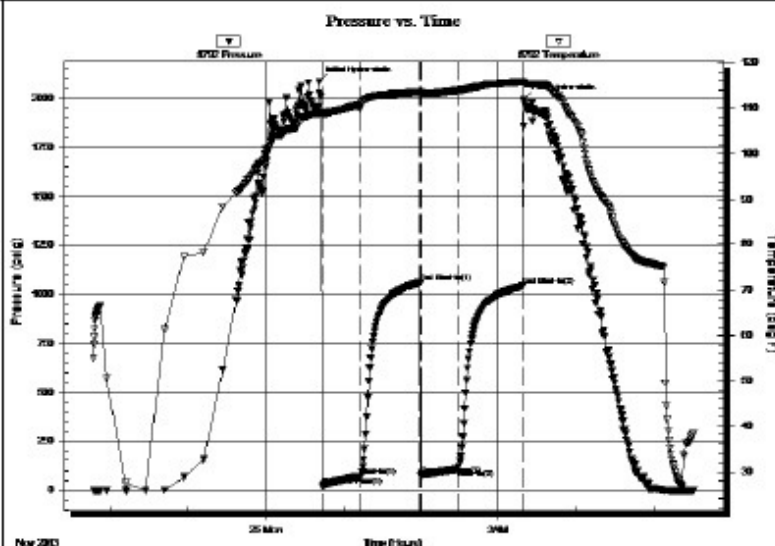
Test Start: 2013.11.24 @ 21:46:42

### GENERAL INFORMATION:

Formation: **Lans. H-K**  
 Deviated: **No Whipstock: 0.00 ft (KB)**  
 Time Tool Opened: **00:43:42**  
 Time Test Ended: **05:31:12**  
 Interval: **3960.00 ft (KB) To 4035.00 ft (KB) (TVD)**  
 Total Depth: **4035.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 Test Type: **Conventional Bottom Hole (Initial)**  
 Tester: **Ryan Reynolds**  
 Unit No: **48**  
 Reference Elevations: **1957.00 ft (KB)**  
**1944.00 ft (CF)**  
 KB to GR/CF: **13.00 ft**

**Serial #: 8792**      **Outside**  
 Press@RunDepth: **108.71 psig @ 3961.00 ft (KB)**  
 Start Date: **2013.11.24**      End Date: **2013.11.25**  
 Start Time: **21:46:47**      End Time: **05:31:11**  
 Capacity: **8000.00 psig**  
 Last Calib.: **2013.11.25**  
 Time On Btm: **2013.11.25 @ 00:41:12**  
 Time Off Btm: **2013.11.25 @ 03:19:57**

TEST COMMENT: IF: Good blow . 1/2" - 9"  
 IS: No blow  
 FF: Fair blow . 1/2" - 6"  
 FS: No blow



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2085.66	108.96	Initial Hydro-static
3	23.50	108.72	Open To Flow (1)
33	73.37	110.89	Shut-In(1)
79	1061.04	113.58	End Shut-In(1)
79	78.33	113.34	Open To Flow (2)
108	108.71	113.91	Shut-In(2)
158	1044.18	115.82	End Shut-In(2)
159	1994.24	115.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	VSLI OCMW trc%oil, 49%mud, 50%w tr	0.74
90.00	SLI OGCM 1%oil, 5%gas, 94%mud	0.44

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

RAMA Oper. Co. Inc.  
101 S. Main St.  
Stafford, KS 67578-1429  
ATTN: Josh Austin

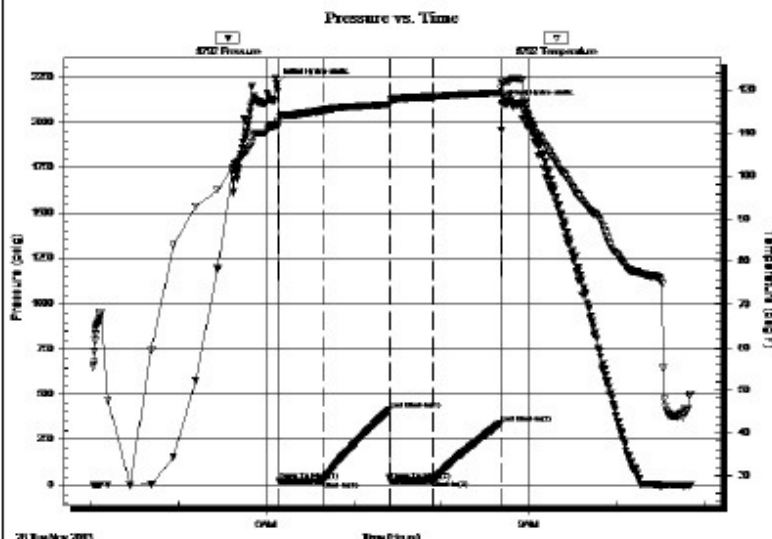
**27-26s.-13w. Pratt Co. KS**  
**Greenback 1-27**  
Job Ticket: 51853      DST#: 2  
Test Start: 2013.11.26 @ 04:01:08

GENERAL INFORMATION:

Formation: **Viola**  
Deviated: **No** Whipstock: **0.00 ft (KB)**  
Time Tool Opened: **06:08:23**  
Time Test Ended: **10:51:08**  
Interval: **4255.00 ft (KB) To 4280.00 ft (KB) (TVD)**  
Total Depth: **4280.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
Test Type: **Conventional Bottom Hole (Reset)**  
Tester: **Ryan Reynolds**  
Unit No: **48**  
Reference Elevations: **1957.00 ft (KB)**  
**1944.00 ft (CF)**  
KB to GR/CF: **13.00 ft**

**Serial #: 8792**      **Outside**  
Press@RunDepth: **30.75 psig @ 4256.00 ft (KB)**  
Start Date: **2013.11.26**      End Date: **2013.11.26**  
Start Time: **04:01:13**      End Time: **10:51:07**  
Capacity: **8000.00 psig**  
Last Calib.: **2013.11.26**  
Time On Btm: **2013.11.26 @ 06:06:38**  
Time Off Btm: **2013.11.26 @ 08:41:23**

TEST COMMENT: IF: Strong blow . BOB @ 7min.  
IS: No blow  
FF: Strong blow . BOB immed. No GTS.  
FS: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2210.08	111.94	Initial Hydro-static
2	23.64	111.86	Open To Flow (1)
32	23.66	115.26	Shut-In(1)
78	414.88	116.58	End Shut-In(1)
79	23.16	117.42	Open To Flow (2)
108	30.75	118.42	Shut-In(2)
154	340.73	119.33	End Shut-In(2)
155	2094.40	121.60	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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30.00	GOCM 5%gas, 5%oil, 90%mud	0.15
0.00	980' GIP	0.00

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

RAMA Oper. Co. Inc.  
101 S. Main St.  
Stafford, KS 67578-1429  
ATTN: Josh Austin

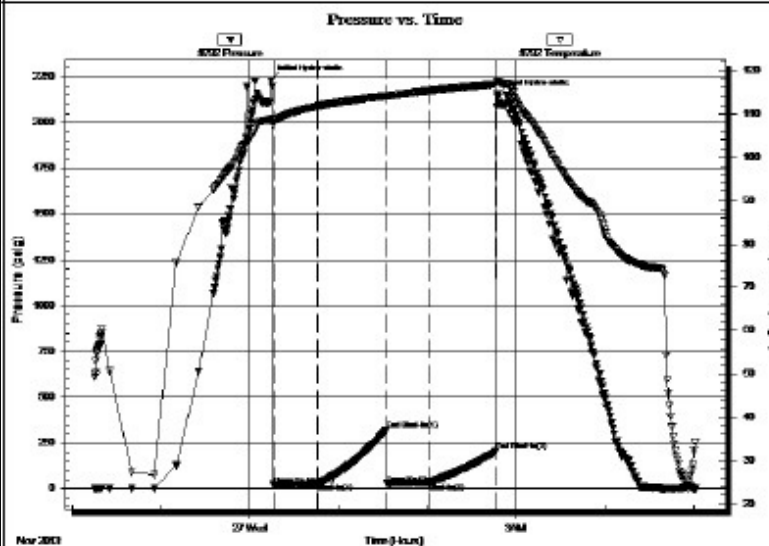
**27-26s.-13w. Pratt Co. KS**  
**Greenback 1-27**  
Job Ticket: 51854      DST#: 3  
Test Start: 2013.11.26 @ 22:15:15

### GENERAL INFORMATION:

Formation: Viola  
Deviated: No Whipstock: 0.00 ft (KB)  
Time Tool Opened: 00:16:15  
Time Test Ended: 05:01:00  
Interval: 4288.00 ft (KB) To 4348.00 ft (KB) (TVD)  
Total Depth: 4348.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Ryan Reynolds  
Unit No: 48  
Reference Elevations: 1957.00 ft (KB)  
1944.00 ft (CF)  
KB to GR/CF: 13.00 ft

Serial #: 8792      Outside  
Press@RunDepth: 31.90 psig @ 4289.00 ft (KB)  
Start Date: 2013.11.26      End Date: 2013.11.27  
Start Time: 22:15:20      End Time: 05:00:59  
Capacity: 8000.00 psig  
Last Calib.: 2013.11.27  
Time On Btm: 2013.11.27 @ 00:14:30  
Time Off Btm: 2013.11.27 @ 02:47:15

TEST COMMENT: IF: Good blow . 1/2" - 8"  
IS: No blow  
FF: Good blow . 2" - 7"  
FS: No blow



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2234.14	108.83	Initial Hydro-static
2	18.90	108.40	Open To Flow (1)
32	27.66	111.77	Shut-In(1)
78	319.12	114.13	End Shut-In(1)
78	26.75	114.09	Open To Flow (2)
107	31.90	115.35	Shut-In(2)
152	202.64	116.87	End Shut-In(2)
153	2154.76	117.87	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
20.00	VSLI OCM trc%oil, 99%mud	0.10
0.00	280' GIP	0.00

### Gas Rates

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





3340  
3360  
3380  
3400  
3420  
3440  
3460  
3480  
3500  
3520  
3540

**KING HILL**

black carboniferous shale

Limestone; cream, fine xln, fossiliferous, granular in part, poorly developed porosity, no shows

Limestone; cream-lt. grey, fine xln, chalky, dense, sparry calcite inclusions, no shows

Limestone as above poor porosity, no shows

Limestone; buff, cream, fossiliferous, few loose fossil fragments, chalky in part, dense, poorly deviated porosity, no shows

plus green-maroon soft shale

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

Limestone; cream-white, fossiliferous, chalky in part, sparry calcite crystals, few scattered inter xln-fine xln porosity, no shows

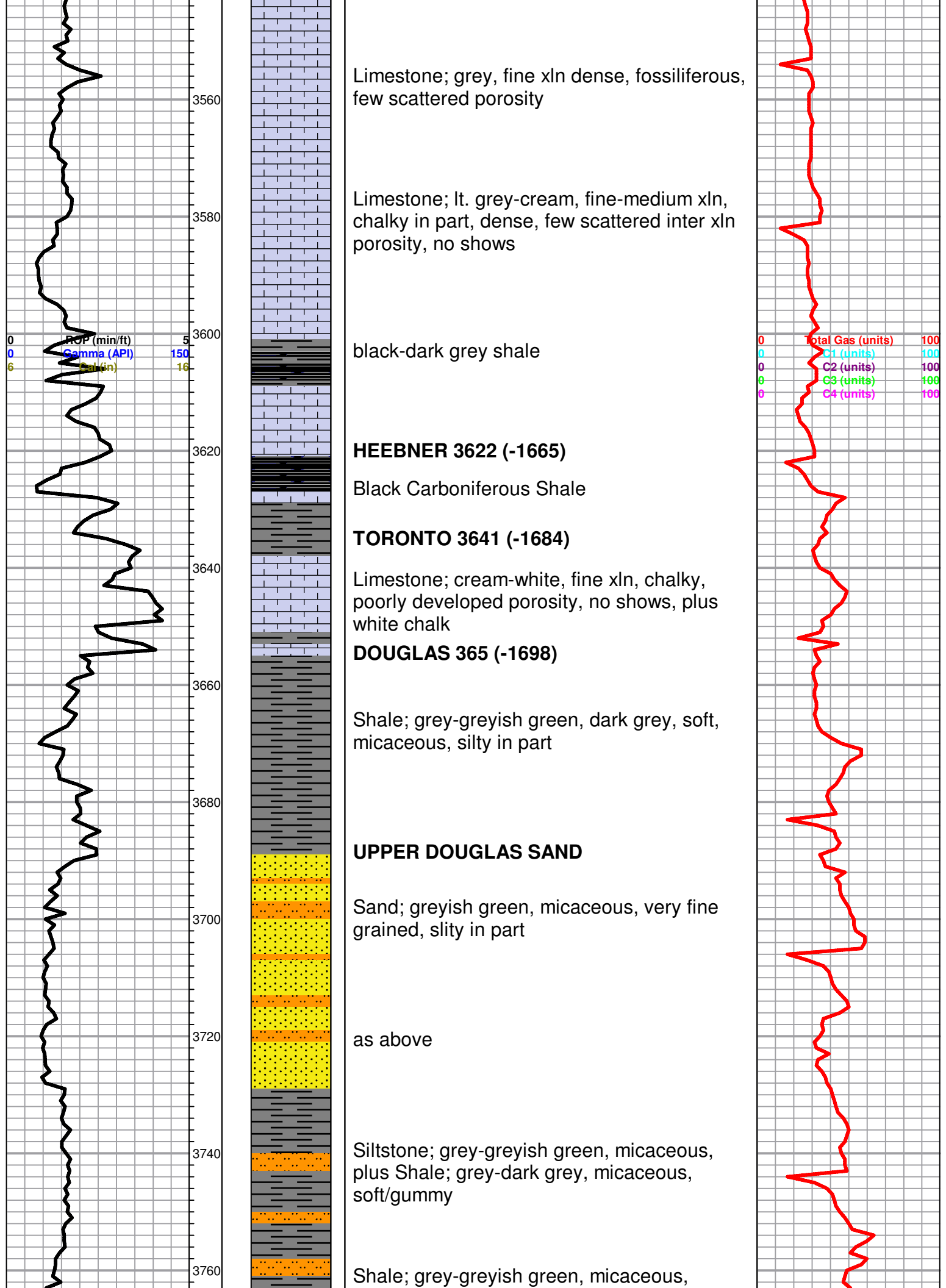
Limestone as above; few granular pieces

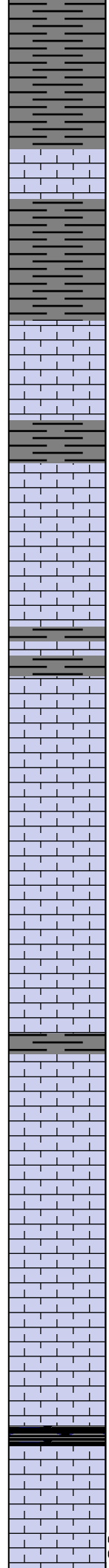
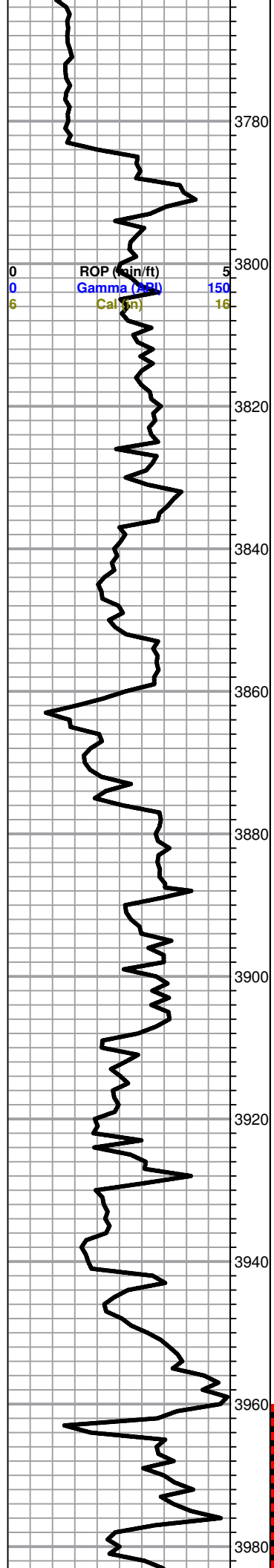
ROP (min/ft) 5  
Gamma (API) 150  
Cal (m) 16

0  
0  
6

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

0  
0  
0  
0  
0





soft/gummy, silty in part

**BROWN LIME 3783 (-1826)**  
Limestone; tan-buff, fine xln, fossiliferous in part, dense, cherty

**LANSING 3800 (-1843)**  
Limestone; grey-cream, fine xln, chalky, mottled in part, poor porosity, no shows

dark grey-black shale

Limestone; cream-lt. grey, fine xln, few sparry calcite crystals, chalky, dense, no shows

as above

Limestone; buff-grey, fine xln, dense, few sparry calcite, few scattered sub oomoldic type porosity, no shows

Limestone; cream-brown, fine xln, chalky, fossiliferous in part, poorly developed porosity, no shows

Limestone; as above

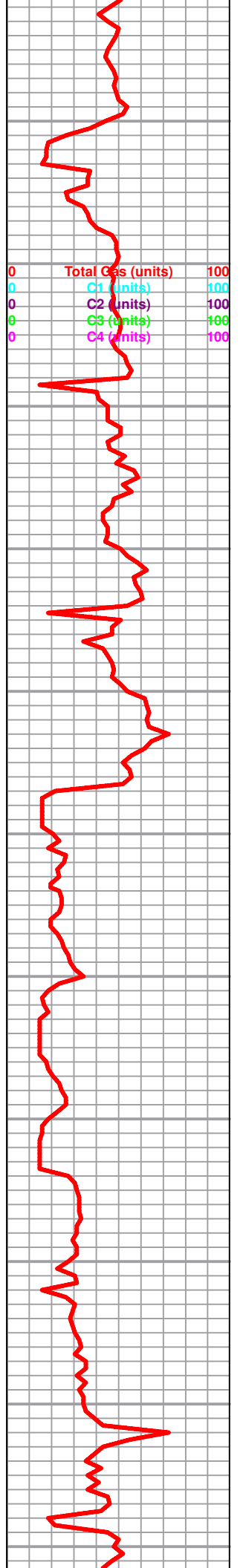
Limestone; buff-brown, fine xl, dense, slightly fossiliferous, poor porosity, cherty, no shows

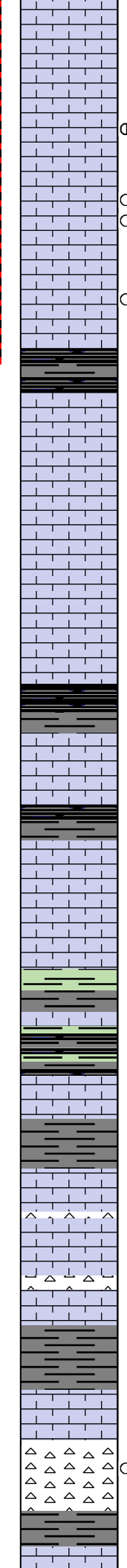
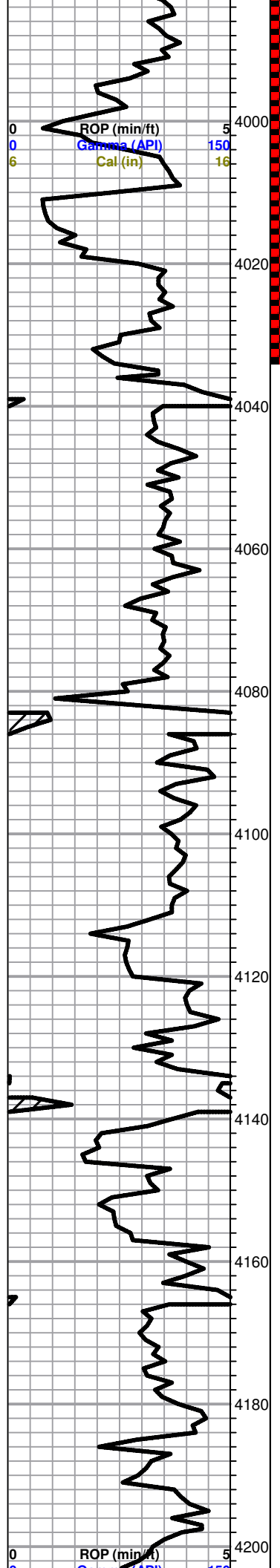
Limestone; cream-white-lt. grey, fine xln, chalky, fossiliferous in part, few inter xln porosity, no shows

Limestone; brown-buff-tan, fine xln, dense, few recrystallized pieces, cherty, no visible porosity

black carboniferous shale

Limestone; cream-grey, sub oomoldic, fair oomoldic proosity, brown-black stain, spotty SFO. faint odor





Limestone; cream-tan, fine xln, highly fossiliferous-oolitic, cherty, poorly developed porosity, plus grey-buff, boney Chert

Limestone; grey-cream, sub oomoldic, oolitic, fair oolitic/oomoldic type porosity, cherty in part, dark brown-black stain, spotty SFO, trace gas bubbles, fair odor

Limestone; grey, oomoldic, fair-good oomoldic porosity, dark brown-black stain, NSFO, faint odor

Limestone; cream, fossiliferous, chalky, poorly developed porosity, brown stain, spotty SFO, no odor

black carboniferous shale

Limestone; cream-grey, fine xln, dense, poor visible porosity, cherty, no shows, trace grey boney chert

Limestone; as above

black carboniferous shale

Limestone; cream, fine xln, dense, trace spotty brown-black stain, trace spotty free oil, no odor

trace black shale

Limestone; cream-lt. grey, fine xln, dense, chalky, poor visible porosity, plus white chalk

**BASE KANSAS CITY 4127 (-2170)**

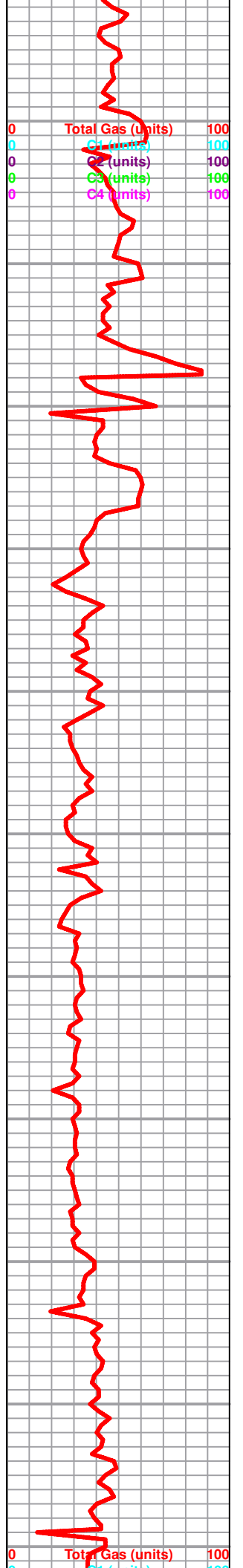
Black Carboniferous Shale

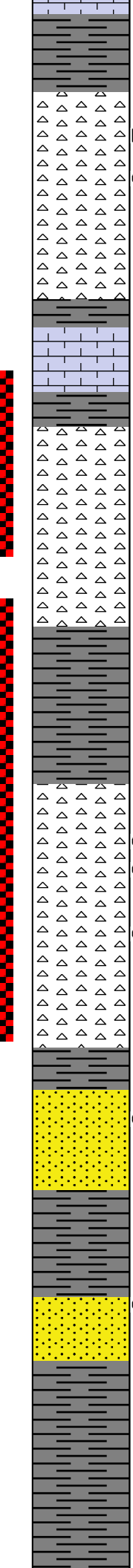
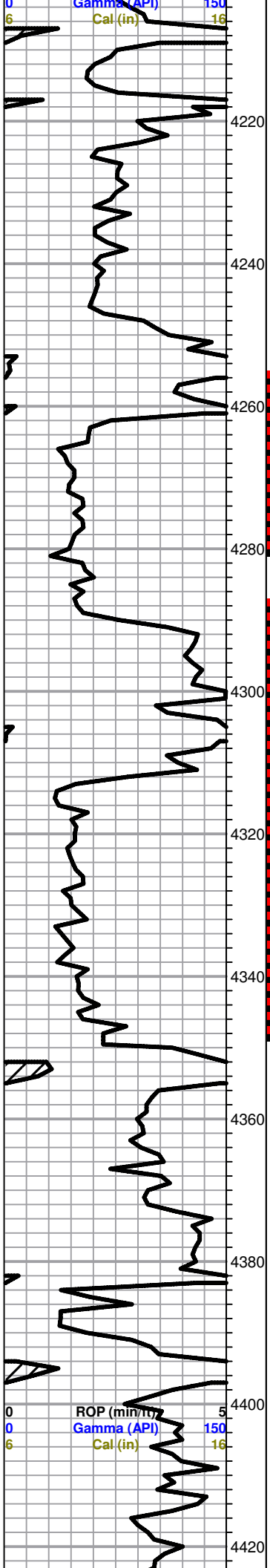
Limestone; cream-grey, chalky,

Limestone; cream, chalky in part, dense, cherty, few orange-cream, boney chert

Shale; grey-greish green, soft/gummy

Chert; white-amber-orange, boney, few semi triploitic, trace weathered Chert, brow-black stain, questionable trace free oil





**MISSISSIPPI 4217 (-2260)**

Chert; white, semi tripolitic, few boney, trace black stain,, NSFO, very faint odor

Chert as above, plus boney amber-white Chert, no shows

Limestone; cream, fine xln, dense, cherty, plus amber-

Chert; cream-amber-buff, tripolitic, fractured in part, brown stain, boney, trace spotty free oil, gassy odor

Chert as above

Shale; grey-green

**VIOLA 4312 (-2355)**

Chert; white-cream, boney, few semi tripolitic, brown-black stain, weathered in part, NSFO

Dolomite; tan, fine-medium xln, poor visible porosity, spotty SFO when sample broke, questionable odor

**SIMPSON SHALE 4350 (-2393)**

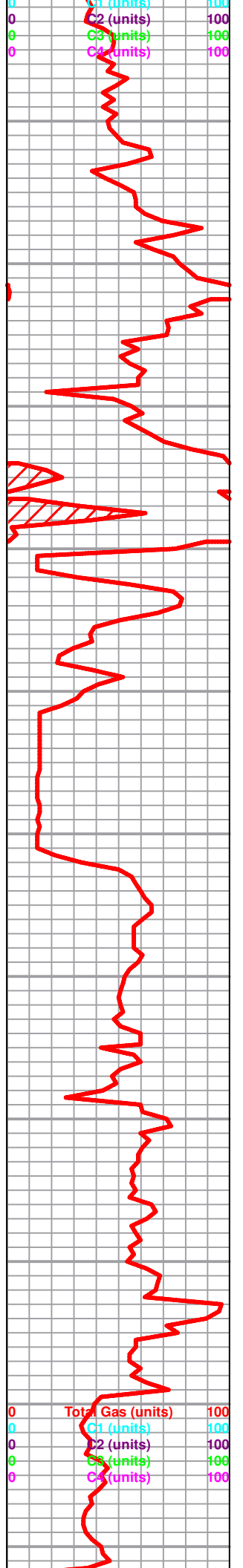
Shale; grey-green, waxey

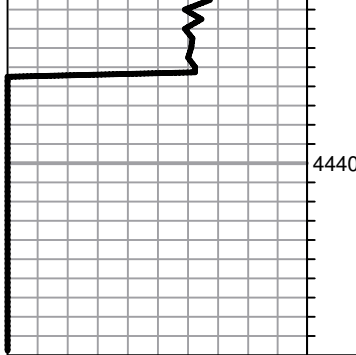
Sand; clear-white, calcareous, trace black stain, NSFO, faint-fair odor

Shale as above  
Plus Sand; clear, sub rounded, sub angular, friable, black-dark brown stain, questionable trace spotty free oil, faint-fair odor

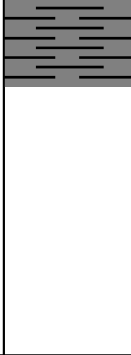
grey-dark grey shale

Shale as above, few scatterd siltstone, no shows

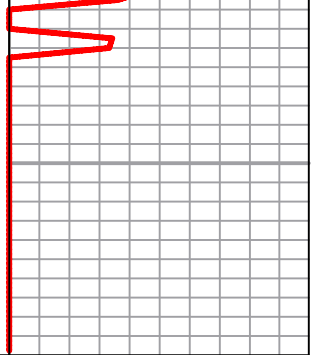




4440



**ROTARY TOTAL DEPTH 4430 (-2473)**



Customer <b>RAMA - OPERATING</b>	Lease No.	Date <b>11-19-13</b>
Lease <b>GREENBACK</b>	Well # <b>1-27</b>	
Field Order # <b>9534</b>	Station <b>PRATT KS</b>	Casing <b>13 3/8</b>
		Depth <b>279'</b>
Type Job <b>CNW 13 3/8 CONDUCTOR</b>	Formation	Legal Description <b>27-26-13</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
<b>13 3/8</b>								
Depth <b>279</b>	Depth	From	To	Pre Pad		Max		5 Min.
Volume <b>40</b>	Volume	From	To	Pad		Min		10 Min.
Max Press <b>400</b>	Max Press	From	To	Frac		Avg		15 Min.
Well Connection <b>SWAKE</b>	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth <b>255</b>	Packer Depth	From	To	Flush		Gas Volume		Total Load

Customer Representative	Station Manager <b>DAVE SOTT</b>	Treater <b>Robert Sullivan</b>
Service Units <b>37900</b>	<b>33708</b>	<b>20920</b>
Driver Names <b>Sullivan</b>	<b>GRAVES</b>	<b>Phye</b>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<b>1:50 AM</b>					<b>on loc Sott, metty</b>
					<b>Run 7 5ft 13 3/8 csg.</b>
<b>8:40</b>					<b>CASING ON BOTTOM</b>
<b>8:50</b>					<b>HOOK' BY CIRC CSG</b>
			<b>3</b>		<b>AT PACER</b>
			<b>64</b>	<b>4.5</b>	<b>MIX CMT 300 SK 60/40 PZ 3% CC 1/4 CF</b>
					<b>CMT MIXED</b>
					<b>AT DISP</b>
<b>9:30</b>	<b>250</b>		<b>39</b>		<b>PHYE DOWN</b>
					<b>1 circled 10 BBL cmt Pit</b>
					<b>JOB complete</b>
					<b>Thank you</b>