Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1241594

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 # 5003
Name: McCoy Petroleum Corporation
Address 1: 9342 E CENTRAL
Address 2:
City: WICHITA State: KS Zip: 67206 + 2573
Contact Person: Scott Hampel
Phone: (316) 636-2737
CONTRACTOR: License # 5142
Name: Sterling Drilling Company
Wellsite Geologist: Zach Wiele
Purchaser: MVPurchasing

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 #:

11/3/2014	11/11/2014	1/16/2015
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-119-21378-00-00
Spot Description: SW NE NW
_ SW _ NE _ NW Sec. 17 Twp. 30 S. R. 30 ☐ East ☑ West
990 Feet from ☑ North / ☐ South Line of Section
1650 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: Meade
Lease Name: PATTERSON-O'BRATE "A" Well #: 3-17
Field Name: Wildcat
Producing Formation: Mississippian
Elevation: Ground: 2814 Kelly Bushing: 2825
Total Vertical Depth: 5700 Plug Back Total Depth: 5649
Amount of Surface Pipe Set and Cemented at: 1857 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: 9400 ppm Fluid volume: 800 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: 02/06/2015
☑ **Confidential Release Date:** 02/05/2017
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 02/06/2015

[redacted]

1241594

Operator Name: McCoy Petroleum Corporation Lease Name: PATTERSON-O'BRATE "A" Well #: 3-17

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

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 (Attach Additional Sheets)	☐ Yes	☑ No	
Samples Sent to Geological Survey	☑ Yes	☐ No	
Cores Taken	☐ Yes	☑ No	
Electric Log Run	☑ Yes	☐ No	

List All E. Logs Run:

Weatherford: Dual Induction, Compensated Density-Neutron, High Resolution (Sonic), and Micrologs.

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

Name	Top	Datum
See 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	12.25	8.625	24	1843	Class A	870	3%CC, 1/4#/sx FS
Production	7.875	5.5	15.5	5699	ASBC A	225	Kol Seal

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	5296-5322' (Chester B1 & B2)	AC: 1000gals 15% MCA, 1500gals 15% NeFe, 120 ball sealers	5322
		FRAC: 112,830gals 60Q N2 Foamed X Frac 20 & 154,000# 20/40 white sand	

TUBING RECORD: Size:	Set At:	Packer At:	Liner Run:
2.375	5261		☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR.	Producing Method:
1/16/2015	☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	41		18		

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☑ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)*	5296-5322' MIssissippian

Form	ACO1 - Well Completion
Operator	McCoy Petroleum Corporation
Well Name	PATTERSON-O'BRATE "A" 3-17
Doc ID	1241594

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	12.25	8.625	24	1843	Class A	870	3%CC, 1/4#/sx FS
Production	7.875	5.5	15.5	5699	ASBC A	225	Kol Seal

PATTERSON-O'BRATE "A" #3-17 ACO-1 Supplemental Information
API: 15-119-21378

SAMPLE TOPS
McCoy Petroleum Corp.
Patterson-O'Brate 'A' #3-17
SW NE NW
990'FNL & 1650'FWL
Sec 17-30s-30w
KB: 2825'

	Depth	Datum
Heebner	4228	-1403
Toronto	4242	-1417
Lansing	4295	-1470
Lansing G	4578	-1753
Stark	4742	-1917
Swope Pors.	4752	-1927
Hushpuckney	4799	-1974
Hertha Pors.	4815	-1990
Marmaton	4880	-2055
Pawnee	4984	-2159
Ft Scott	5019	-2194
Cherokee	5030	-2205
Atoka	5245	-2420
Morrow Sh.	5290	-2465
Chester	5293	-2468
St Genevieve	5472	-2647
St Louis	5588	-2763
RTD	5700	-2875

LOG TOPS
McCoy Petroleum Corp.
Patterson-O'Brate 'A' #3-17
SW NE NW N2 SW NW C SE NW
990'FNL & 1650'FWL
Sec 17-30s-30w
KB: 2825'

	Depth	Datum
Heebner	4226	-1401
Toronto	4246	-1421
Lansing	4293	-1468
Lansing G	4582	-1757
Stark	4740	-1915
Swope Pors.	4752	-1927
Hushpuckney	4797	-1972
Hertha Pors.	4815	-1990
Marmaton	4883	-2058
Pawnee	4982	-2157
Ft Scott	5018	-2193
Cherokee	5028	-2203
Atoka	5243	-2418
Morrow Sh.	5288	-2463
Chester	5291	-2466
St Genevieve	5471	-2646
St Louis	5586	-2761
LTD	5702	-2877

Natural Gas • Crude Oil
Exploration & Production

McCOY PETROLEUM CORPORATION

Wichita, Kansas

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name:	Patterson-O'Brate 'A' #3-17		
API:	15-119-21,378-00-00		
Location:	SW - NE - NW of Sec. 17 - T. 30 S. - R. 30 W.		
License Number:	KCC # 5003	Region:	MEADE CO., KS.
Spud Date:	10-25-2014	Drilling Completed:	11-10-24
Surface Coordinates:	SPOT: 990' FNL & 1650' FWL		
Bottom Hole Coordinates:			
Ground Elevation (ft):	2814'	K.B. Elevation (ft):	2825'
Logged Interval (ft):	1858' To: 5702'	Total Depth (ft):	RTD: 5700' LTD:5702'
Formation:	MISSISSIPPIAN "ST. LOUIS"		
Type of Drilling Fluid:	CHEMICAL/POLYMER/GEL. & MUD DISPLACEMENT @ 3000'.		

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: McCOY PETROLEUM CORPORATION KCC LIC. NO. # 5003
Address: 9342 E. CENTRAL
WICHITA, KANSAS 67206-2573

GEOLOGIST

Name: Zach Wiele
Company: McCoy Petroleum Corporation
Address: 9342 E. Central
Wichita, Kansas 67206

CASING & DEVIATION

Surface Casing: Spud at 8:15 pm on 11/03/14. Drilled 12-1/4" to 1862'. Ran 44 joints of new 24#, 8-5/8" casing. Tallied 1843.62'. Set at 1857' KB. Welded straps on shoe, bottom 3 joints and top 2 joints. Tacked collars on the remainder. Centralizers (4) on joints 1-3-5-7. Float insert in top of 1st joint. Cemented with 670 sks 65/35 Class A; 3% CC & 1/4# FS. Tailed with 200 sks Class A; 3% CC; 1/4# FS. Cement did not circulate. Plug down at 11:30 am on 11/05/14. Allied Cementing ticket #61687. Went down annulas with 1" tubing to top of cement at 100' and cemented with 120 sks Class A, 3% CC. Job completed at 3:30 pm on 11/05/14.

Deviation Survey's Taken: @ 1862' = 1/2 degree; @ 5700' = 1-3/4 degree

DSTs

NONE TAKEN.

ROCK TYPES

Anhy
Bent
Brec
Carb sh
Cht
Clyst
Coal
Congl
Dol
Grn sh
Gry sh
Gyp
Igne
Lmst
Meta
Mrlst
Red shale
Salt
Shale
Shcol
Shgy
Sltst
Ss
Till

ACCESSORIES

MINERAL

Anhy
Arggrn
Arg
Bent
Bit
Brecfrag
Calc
Carb
Chtdk
Chtlt
Dol
Feldspar
Ferrpel
Ferr
Glau
Gyp
Hvymin
Kaol
Marl
Minxl
Nodule
Phos
Pyr
Salt
Sandy
Silt
Sil
Sulphur
Tuff

FOSSIL

Algae
Amph
Belm
Bioclst
Brach
Bryozoa
Cephal
Coral
Crin
Echin
Fish
Foram
Fossil
Fuss
Gastro
Oolite
Oomold
Ostra
Pelec
Pellet
Pisolite
Plant
Strom

STRINGER

Anhy
Arg
Bent
Coal
Dol
Gyp
Ls
Mrst
Sltstrg
Ssstrg

TEXTURE

Boundst
Chalky
Cryxln
Earthy
Finexln
Grainst
Lithogr
Microxln
Mudst
Packst
Wackest

OTHER SYMBOLS

POROSITY

Earthy
Fenest
Fracture
Inter
Moldic
Organic
Pinpoint
Vuggy

SORTING

Well
Moderate
Poor

ROUNDING

Rounded
Subrnd
Subang
Angular

OIL SHOW

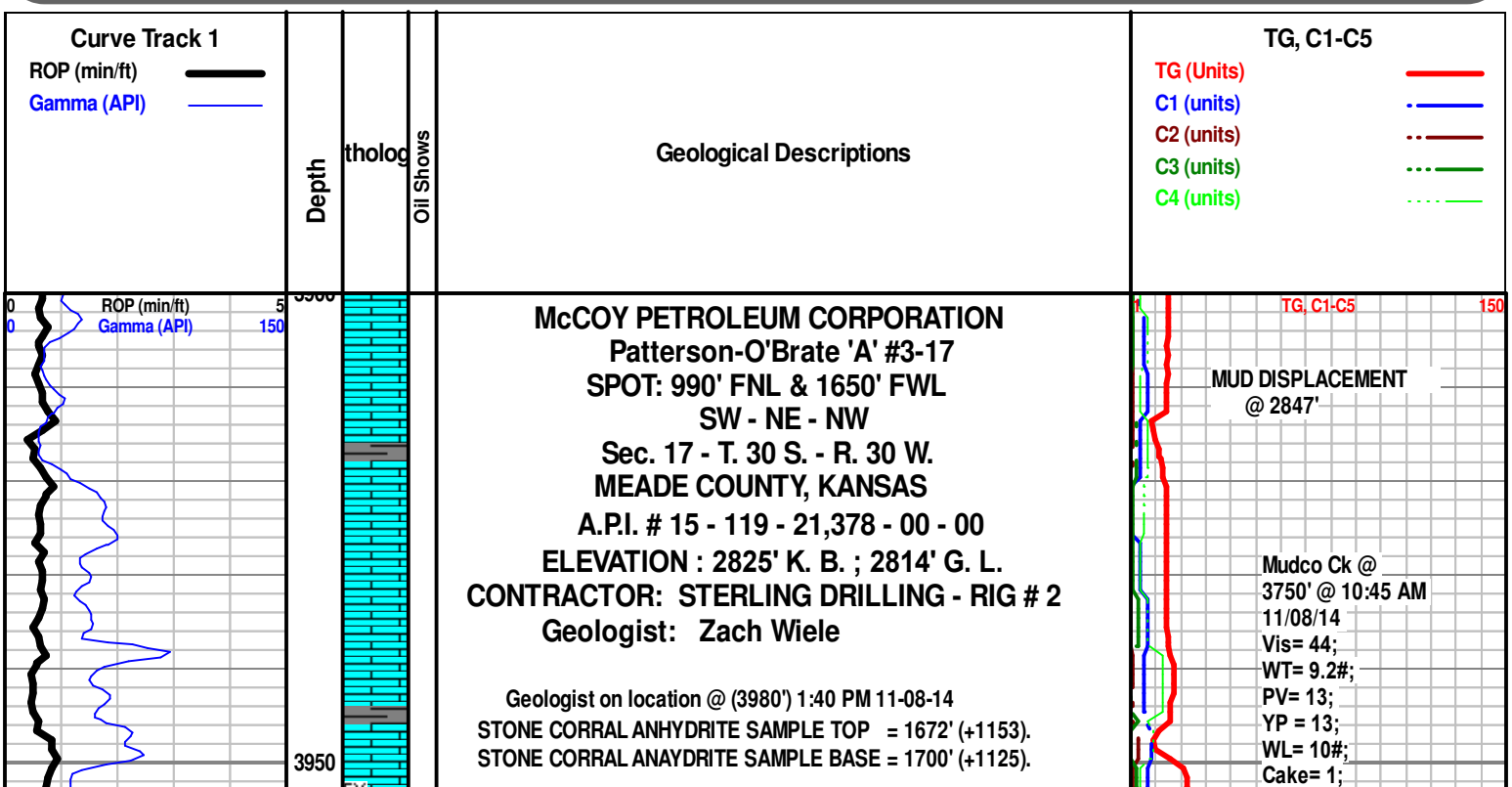
Gas show

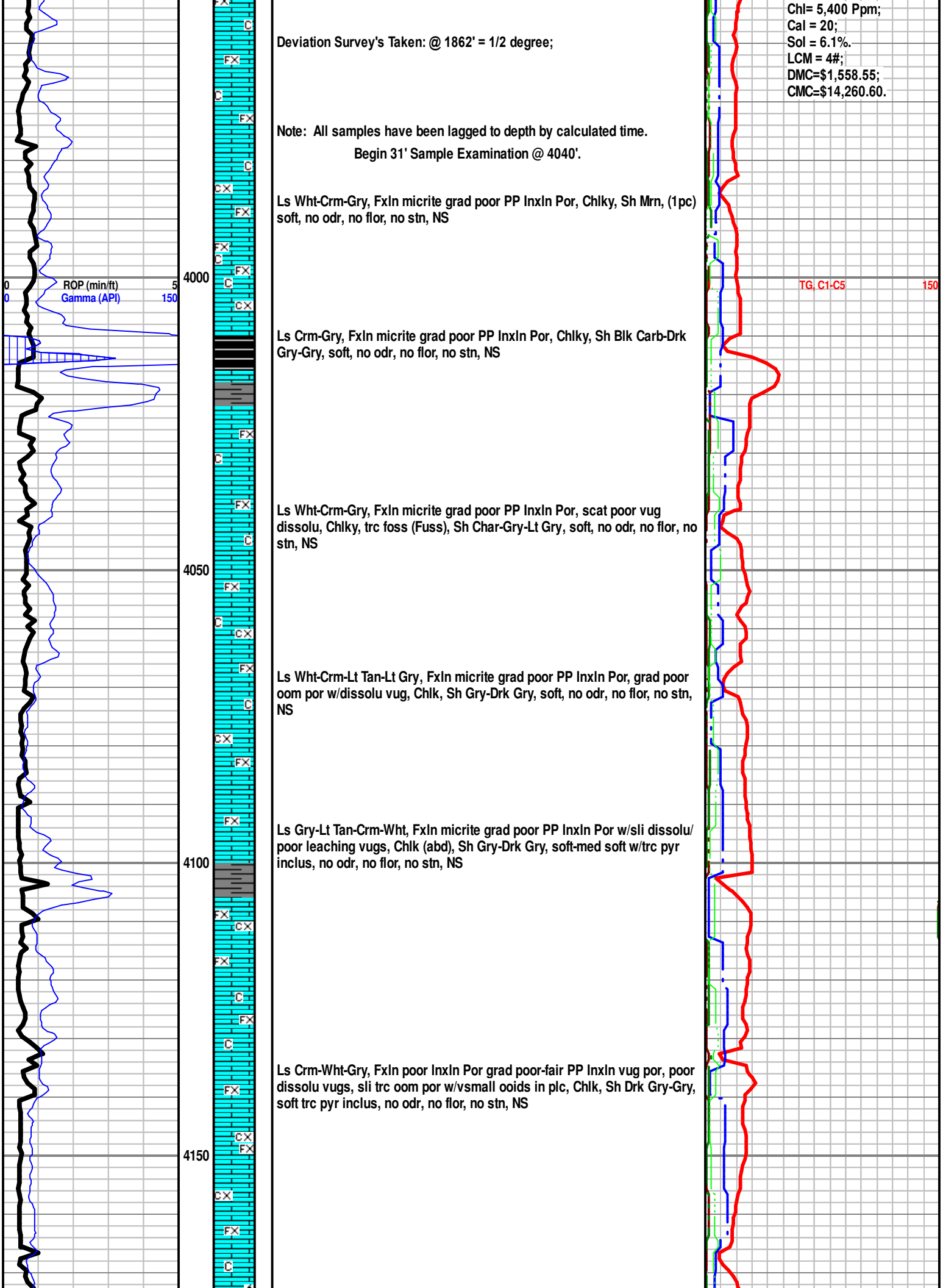
INTERVAL

Dst
Dst_alt
Even
Spotted
Ques
Dead

EVENT

Rft
Sidewall





Chl= 5,400 Ppm;
Cal = 20;
Sol = 6.1%.
LCM = 4#;
DMC=$1,558.55;
CMC=$14,260.60.

Deviation Survey's Taken: @ 1862' = 1/2 degree;

Note: All samples have been lagged to depth by calculated time.

Begin 31' Sample Examination @ 4040'.

Ls Wht-Crm-Gry, Fxln micrite grad poor PP Inxln Por, Chlky, Sh Mrn, (1pc) soft, no odr, no flor, no stn, NS

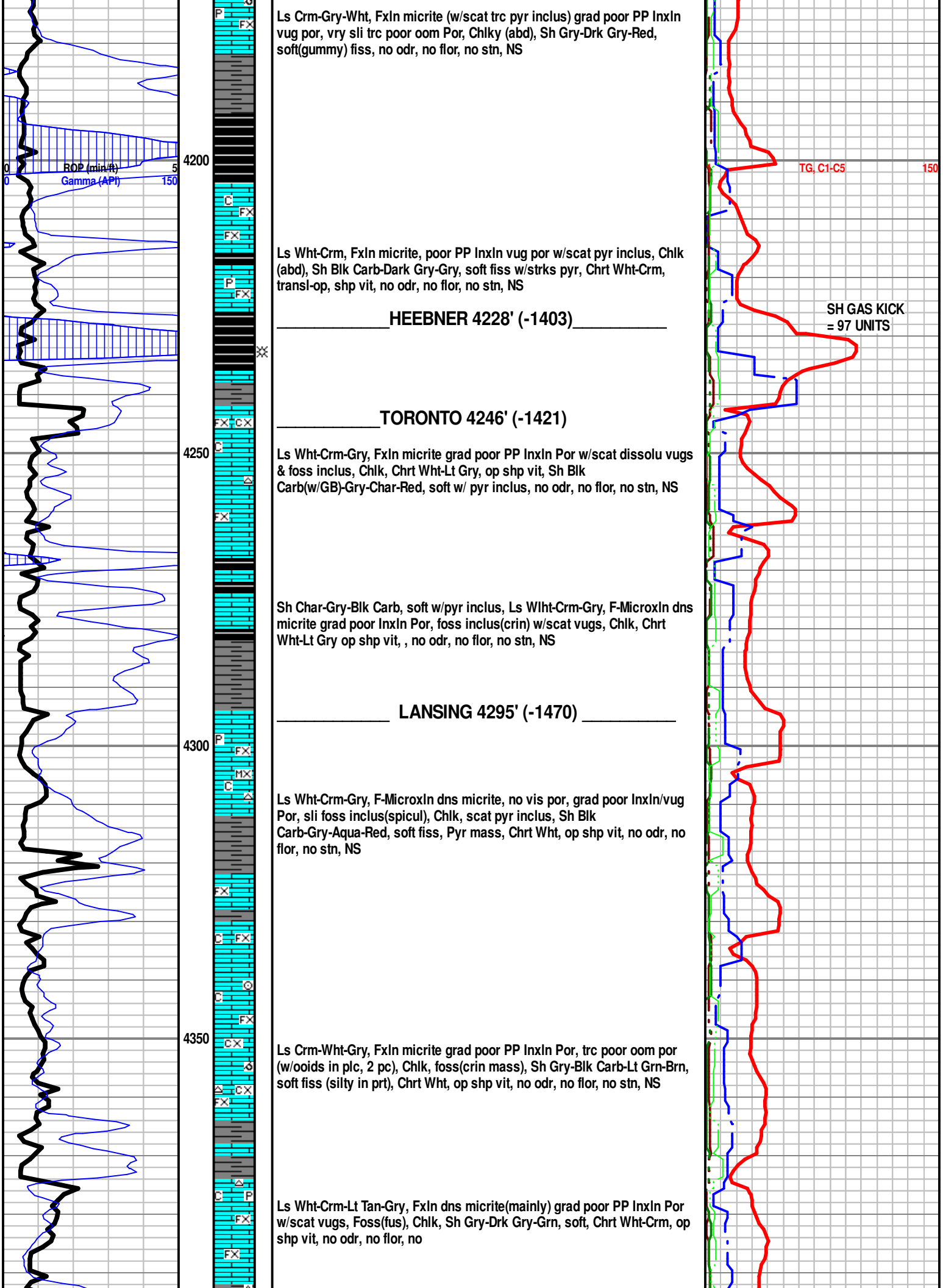
Ls Crm-Gry, Fxln micrite grad poor PP Inxln Por, Chlky, Sh Blk Carb-Drk Gry-Gry, soft, no odr, no flor, no stn, NS

Ls Wht-Crm-Gry, Fxln micrite grad poor PP Inxln Por, scat poor vug dissolu, Chlky, trc foss (Fuss), Sh Char-Gry-Lt Gry, soft, no odr, no flor, no stn, NS

Ls Wht-Crm-Lt Tan-Lt Gry, Fxln micrite grad poor PP Inxln Por, grad poor oom por w/dissolu vug, Chlk, Sh Gry-Drk Gry, soft, no odr, no flor, no stn, NS

Ls Gry-Lt Tan-Crm-Wht, Fxln micrite grad poor PP Inxln Por w/sli dissolu/ poor leaching vugs, Chlk (abd), Sh Gry-Drk Gry, soft-med soft w/trc pyr inclus, no odr, no flor, no stn, NS

Ls Crm-Wht-Gry, Fxln poor Inxln Por grad poor-fair PP Inxln vug por, poor dissolu vugs, sli trc oom por w/vsmall ooids in plc, Chlk, Sh Drk Gry-Gry, soft trc pyr inclus, no odr, no flor, no stn, NS



Ls Crm-Gry-Wht, FxIn micrite (w/scat trc pyr inclus) grad poor PP InxIn vug por, vry sli trc poor oom Por, Chlky (abd), Sh Gry-Drk Gry-Red, soft(gummy) fiss, no odr, no flor, no stn, NS

Ls Wht-Crm, FxIn micrite, poor PP InxIn vug por w/scat pyr inclus, Chlk (abd), Sh Blk Carb-Dark Gry-Gry, soft fiss w/strks pyr, Chrt Wht-Crm, transl-op, shp vit, no odr, no flor, no stn, NS

_____HEEBNER 4228' (-1403)_____

_____TORONTO 4246' (-1421)

Ls Wht-Crm-Gry, FxIn micrite grad poor PP InxIn Por w/scat dissolu vugs & foss inclus, Chlk, Chrt Wht-Lt Gry, op shp vit, Sh Blk Carb(w/GB)-Gry-Char-Red, soft w/ pyr inclus, no odr, no flor, no stn, NS

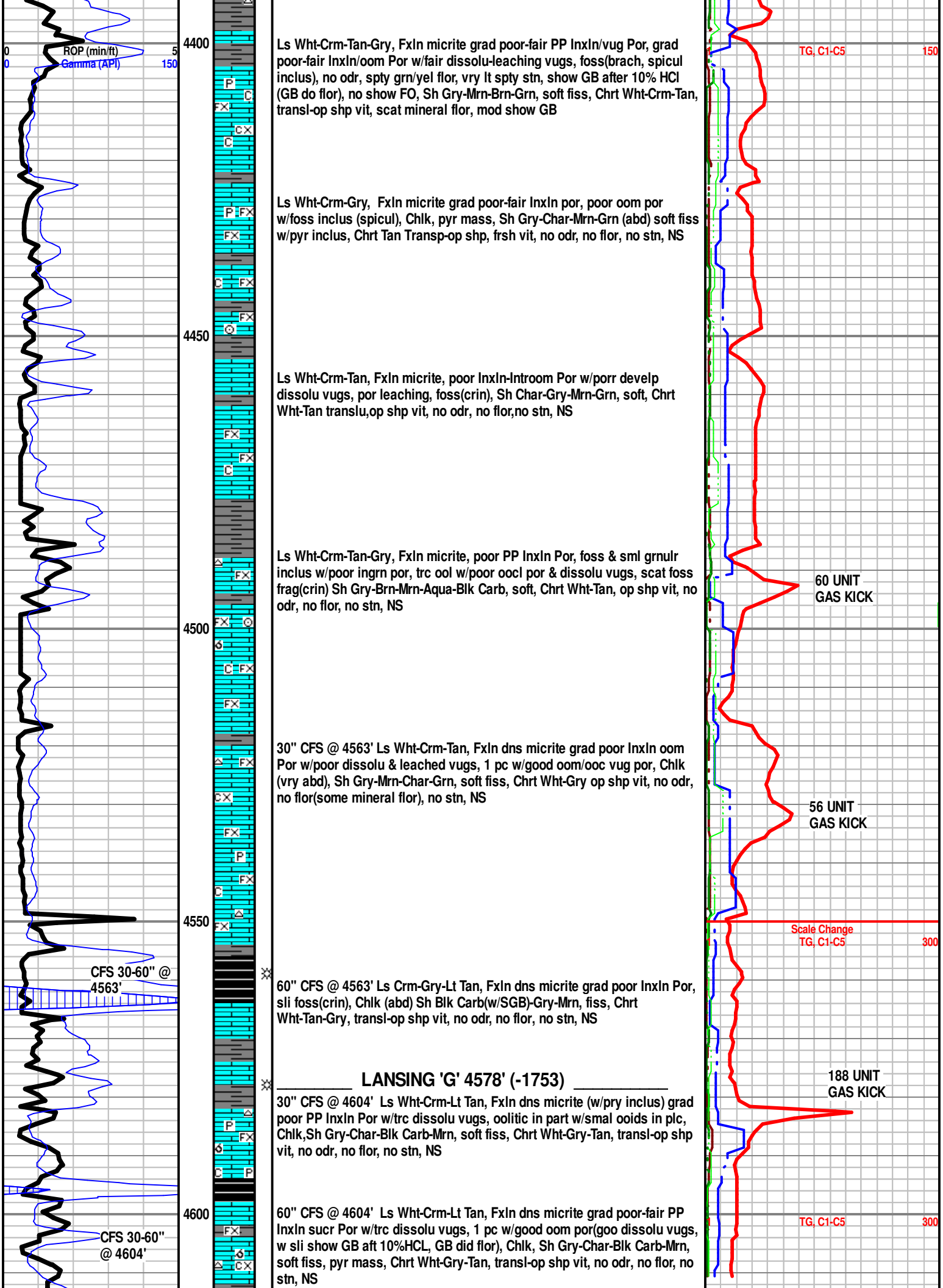
Sh Char-Gry-Blk Carb, soft w/pyr inclus, Ls WIht-Crm-Gry, F-MicroxIn dns micrite grad poor InxIn Por, foss inclus(crin) w/scat vugs, Chlk, Chrt Wht-Lt Gry op shp vit, , no odr, no flor, no stn, NS

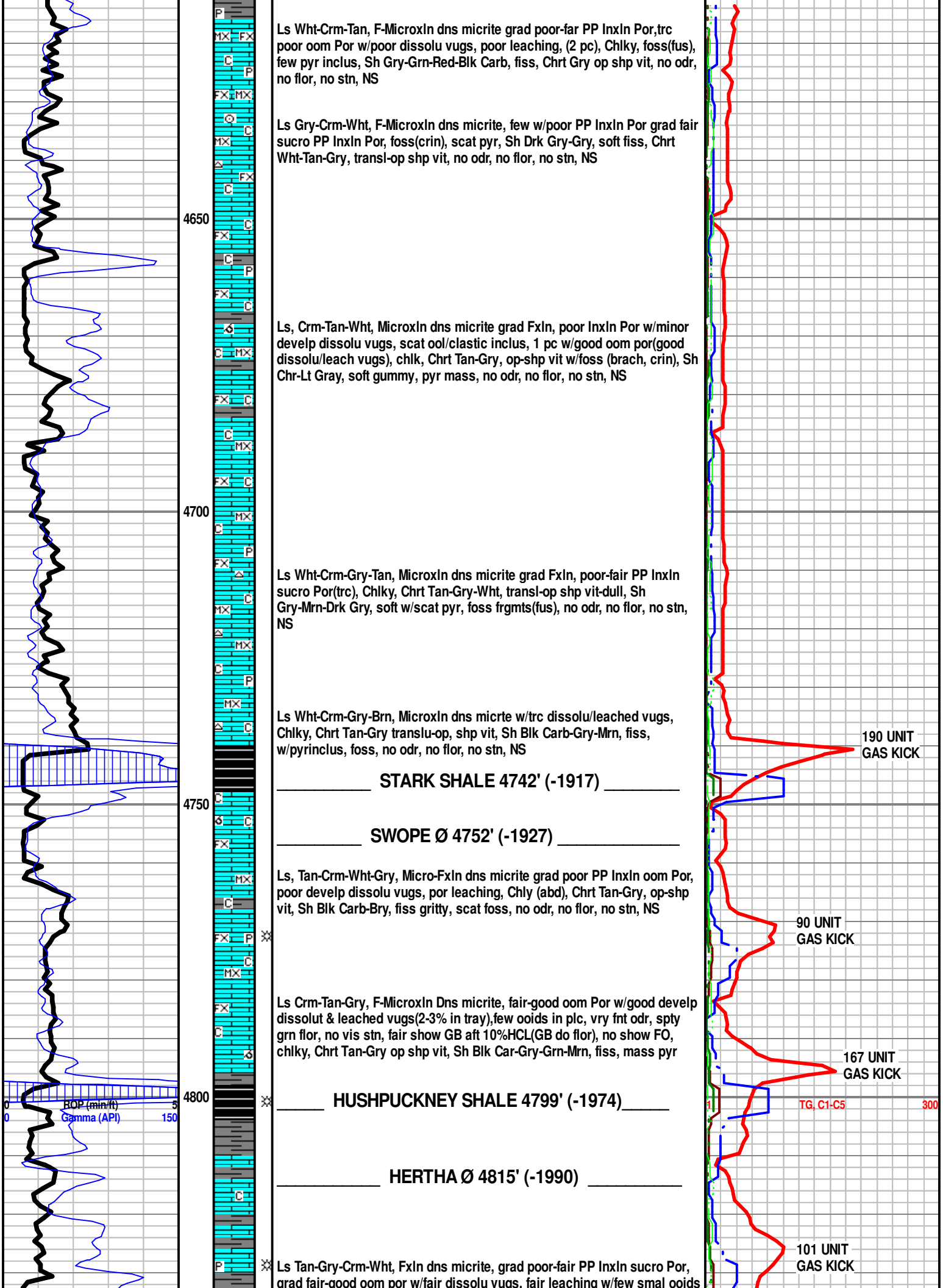
_____ LANSING 4295' (-1470) _____

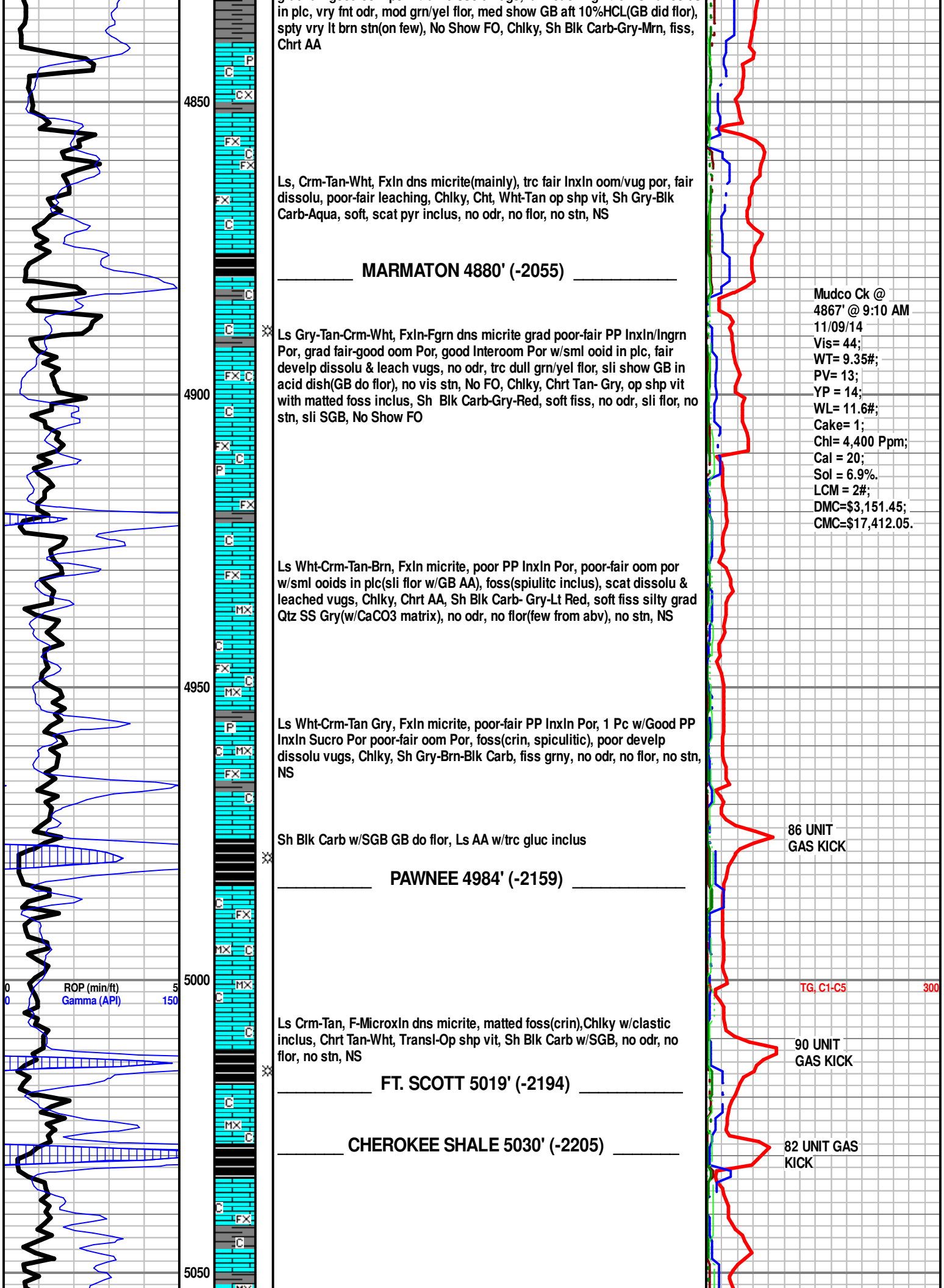
Ls Wht-Crm-Gry, F-MicroxIn dns micrite, no vis por, grad poor InxIn/vug Por, sli foss inclus(spicul), Chlk, scat pyr inclus, Sh Blk Carb-Gry-Aqua-Red, soft fiss, Pyr mass, Chrt Wht, op shp vit, no odr, no flor, no stn, NS

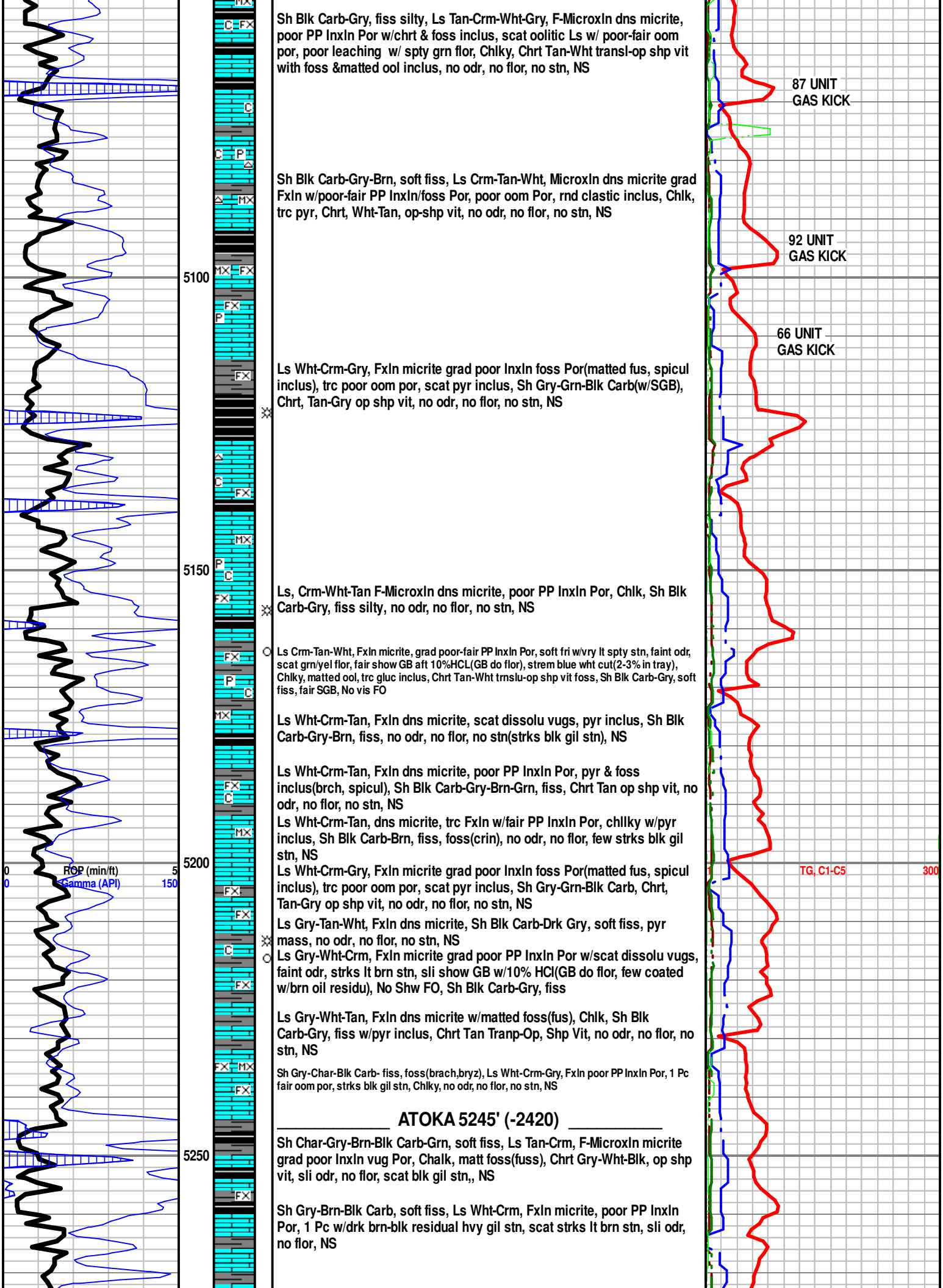
Ls Crm-Wht-Gry, FxIn micrite grad poor PP InxIn Por, trc poor oom por (w/ooids in plc, 2 pc), Chlk, foss(crin mass), Sh Gry-Blk Carb-Lt Grn-Brn, soft fiss (silty in prt), Chrt Wht, op shp vit, no odr, no flor, no stn, NS

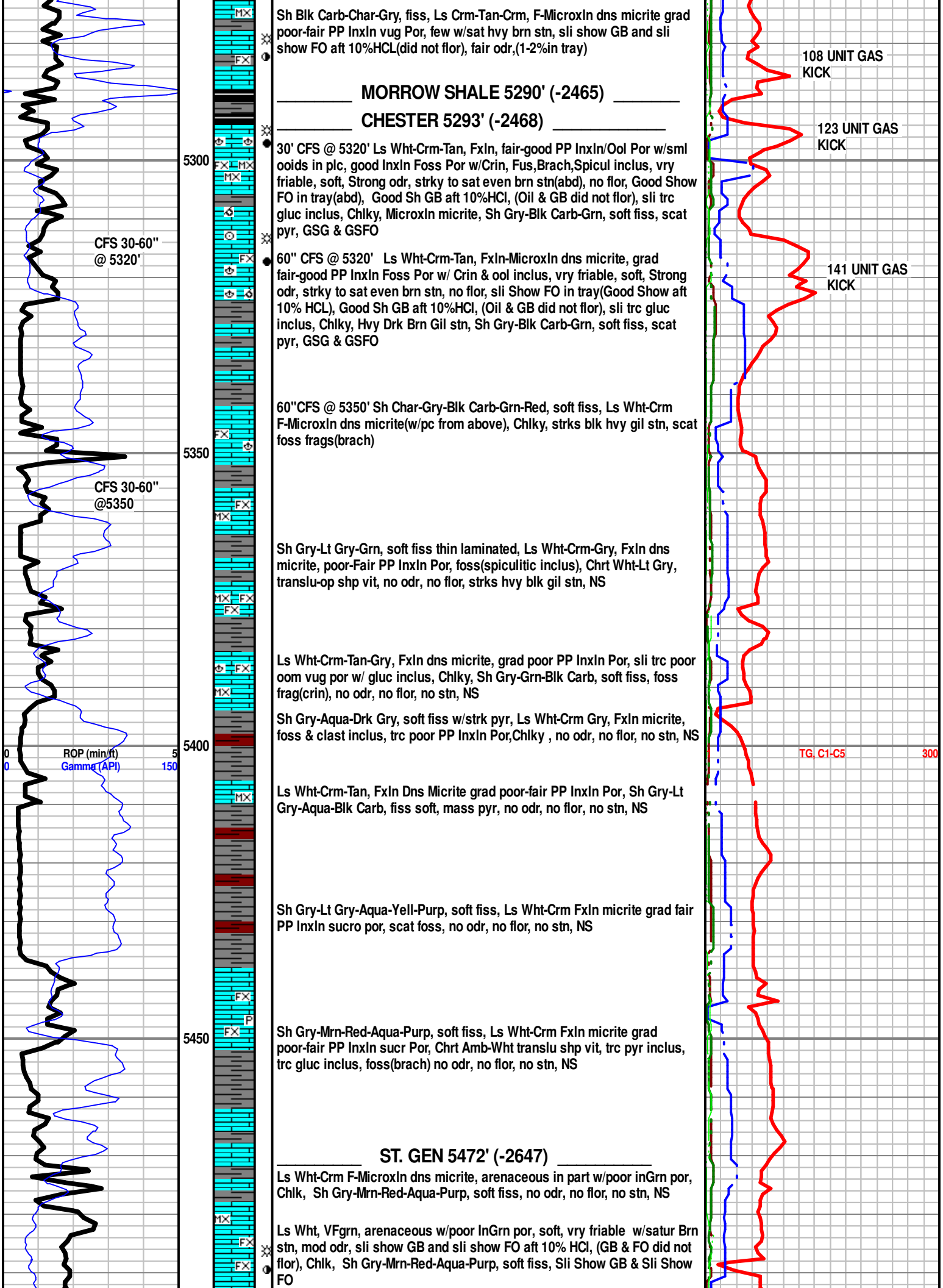
Ls Wht-Crm-Lt Tan-Gry, FxIn dns micrite(mainly) grad poor PP InxIn Por w/scat vugs, Foss(fus), Chlk, Sh Gry-Drk Gry-Grn, soft, Chrt Wht-Crm, op shp vit, no odr, no flor, no

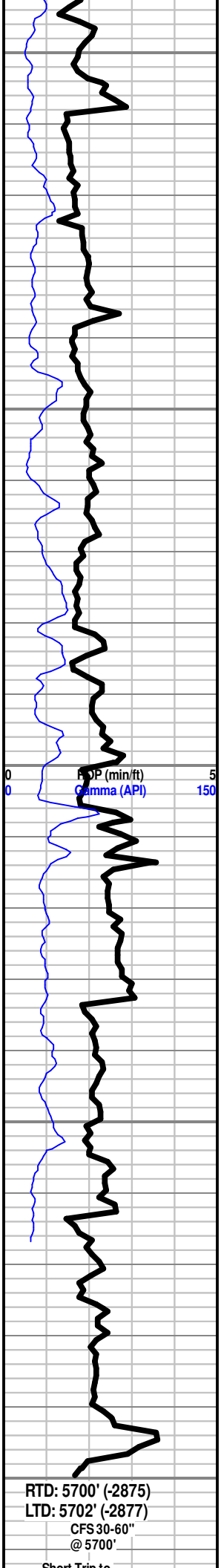

0
ROP (min/ft)
5
0
Gamma (API)
150
4400
4450
4500
4550
4600
CFS 30-60" @ 4563'
CFS 30-60" @ 4604'
Ls Wht-Crm-Tan-Gry, FxIn micrite grad poor-fair PP InxIn/vug Por, grad poor-fair InxIn/oom Por w/fair dissolu-leaching vugs, foss(brach, spicul inclus), no odr, spty grn/yel flor, vry lt spty stn, show GB after 10% HCl (GB do flor), no show FO, Sh Gry-Mrn-Brn-Grn, soft fiss, Chrt Wht-Crm-Tan, transl-op shp vit, scat mineral flor, mod show GB
Ls Wht-Crm-Gry, FxIn micrite grad poor-fair InxIn por, poor oom por w/foss inclus (spicul), Chlk, pyr mass, Sh Gry-Char-Mrn-Grn (abd) soft fiss w/pyr inclus, Chrt Tan Transp-op shp, frsh vit, no odr, no flor, no stn, NS
Ls Wht-Crm-Tan, FxIn micrite, poor InxIn-Introom Por w/porr develp dissolu vugs, por leaching, foss(crin), Sh Char-Gry-Mrn-Grn, soft, Chrt Wht-Tan translu,op shp vit, no odr, no flor,no stn, NS
Ls Wht-Crm-Tan-Gry, FxIn micrite, poor PP InxIn Por, foss & sml grnulr inclus w/poor ingrn por, trc ool w/poor oocl por & dissolu vugs, scat foss frag(crin) Sh Gry-Brn-Mrn-Aqua-Blk Carb, soft, Chrt Wht-Tan, op shp vit, no odr, no flor, no stn, NS
30" CFS @ 4563' Ls Wht-Crm-Tan, FxIn dns micrite grad poor InxIn oom Por w/poor dissolu & leached vugs, 1 pc w/good oom/ooc vug por, Chlk (vry abd), Sh Gry-Mrn-Char-Grn, soft fiss, Chrt Wht-Gry op shp vit, no odr, no flor(some mineral flor), no stn, NS
60" CFS @ 4563' Ls Crm-Gry-Lt Tan, FxIn dns micrite grad poor InxIn Por, sli foss(crin), Chlk (abd) Sh Blk Carb(w/SGB)-Gry-Mrn, fiss, Chrt Wht-Tan-Gry, transl-op shp vit, no odr, no flor, no stn, NS
LANSING 'G' 4578' (-1753)
30" CFS @ 4604' Ls Wht-Crm-Lt Tan, FxIn dns micrite (w/pry inclus) grad poor PP InxIn Por w/trc dissolu vugs, oolitic in part w/smal ooids in plc, Chlk,Sh Gry-Char-Blk Carb-Mrn, soft fiss, Chrt Wht-Gry-Tan, transl-op shp vit, no odr, no flor, no stn, NS
60" CFS @ 4604' Ls Wht-Crm-Lt Tan, FxIn dns micrite grad poor-fair PP InxIn sucr Por w/trc dissolu vugs, 1 pc w/good oom por(goo dissolu vugs, w sli show GB aft 10%HCL, GB did flor), Chlk, Sh Gry-Char-Blk Carb-Mrn, soft fiss, pyr mass, Chrt Wht-Gry-Tan, transl-op shp vit, no odr, no flor, no stn, NS
TG, C1-C5
150
60 UNIT GAS KICK
56 UNIT GAS KICK
Scale Change
TG, C1-C5
300
188 UNIT GAS KICK
TG, C1-C5
300

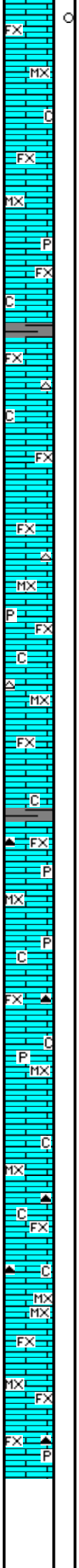

4650
4700
4750
4800
ROP (min/ft)
0
5
Gamma (API)
0
150
TG, C1-C5
1
300
Ls Wht-Crm-Tan, F-Microxln dns micrite grad poor-far PP Inxln Por,trc poor oom Por w/poor dissolu vugs, poor leaching, (2 pc), Chlky, foss(fus), few pyr inclus, Sh Gry-Grn-Red-Blk Carb, fiss, Chrt Gry op shp vit, no odr, no flor, no stn, NS
Ls Gry-Crm-Wht, F-Microxln dns micrite, few w/poor PP Inxln Por grad fair sucro PP Inxln Por, foss(crin), scat pyr, Sh Drk Gry-Gry, soft fiss, Chrt Wht-Tan-Gry, transl-op shp vit, no odr, no flor, no stn, NS
Ls, Crm-Tan-Wht, Microxln dns micrite grad Fxln, poor Inxln Por w/minor develp dissolu vugs, scat ool/clastic inclus, 1 pc w/good oom por(good dissolu/leach vugs), chlk, Chrt Tan-Gry, op-shp vit w/foss (brach, crin), Sh Chr-Lt Gray, soft gummy, pyr mass, no odr, no flor, no stn, NS
Ls Wht-Crm-Gry-Tan, Microxln dns micrite grad Fxln, poor-fair PP Inxln sucro Por(trc), Chlky, Chrt Tan-Gry-Wht, transl-op shp vit-dull, Sh Gry-Mrn-Drk Gry, soft w/scat pyr, foss frgmts(fus), no odr, no flor, no stn, NS
Ls Wht-Crm-Gry-Brn, Microxln dns micrte w/trc dissolu/leached vugs, Chlky, Chrt Tan-Gry translu-op, shp vit, Sh Blk Carb-Gry-Mrn, fiss, w/pyrinclus, foss, no odr, no flor, no stn, NS
190 UNIT GAS KICK
STARK SHALE 4742' (-1917)
SWOPE Ø 4752' (-1927)
Ls, Tan-Crm-Wht-Gry, Micro-Fxln dns micrite grad poor PP Inxln oom Por, poor develp dissolu vugs, por leaching, Chly (abd), Chrt Tan-Gry, op-shp vit, Sh Blk Carb-Bry, fiss gritty, scat foss, no odr, no flor, no stn, NS
90 UNIT GAS KICK
Ls Crm-Tan-Gry, F-Microxln Dns micrite, fair-good oom Por w/good develp dissolut & leached vugs(2-3% in tray),few ooids in plc, vry fnt odr, spty grn flor, no vis stn, fair show GB aft 10%HCL(GB do flor), no show FO, chlky, Chrt Tan-Gry op shp vit, Sh Blk Car-Gry-Grn-Mrn, fiss, mass pyr
167 UNIT GAS KICK
HUSHPUCKNEY SHALE 4799' (-1974)
HERTHA Ø 4815' (-1990)
101 UNIT GAS KICK
Ls Tan-Gry-Crm-Wht, Fxln dns micrite, grad poor-fair PP Inxln sucro Por, grad fair-good oom por w/fair dissolu vugs, fair leaching w/few smal ooids


in plc, vry fnt odr, mod grn/yel flor, med show GB aft 10%HCL(GB did flor), spty vry lt brn stn(on few), No Show FO, Chlky, Sh Blk Carb-Gry-Mrn, fiss, Chrt AA
4850
Ls, Crm-Tan-Wht, Fxln dns micrite(mainly), trc fair Inxln oom/vug por, fair dissolu, poor-fair leaching, Chlky, Cht, Wht-Tan op shp vit, Sh Gry-Blk Carb-Aqua, soft, scat pyr inclus, no odr, no flor, no stn, NS
MARMATON 4880' (-2055)
Mudco Ck @ 4867' @ 9:10 AM 11/09/14
Vis= 44;
WT= 9.35#;
PV= 13;
YP = 14;
WL= 11.6#;
Cake= 1;
Chl= 4,400 Ppm;
Cal = 20;
Sol = 6.9%.
LCM = 2#;
DMC=$3,151.45;
CMC=$17,412.05.
4900
Ls Gry-Tan-Crm-Wht, Fxln-Fgrn dns micrite grad poor-fair PP Inxln/Ingrn Por, grad fair-good oom Por, good Interoom Por w/sml ooid in plc, fair develp dissolu & leach vugs, no odr, trc dull grn/yel flor, sli show GB in acid dish(GB do flor), no vis stn, No FO, Chlky, Chrt Tan- Gry, op shp vit with matted foss inclus, Sh Blk Carb-Gry-Red, soft fiss, no odr, sli flor, no stn, sli SGB, No Show FO
Ls Wht-Crm-Tan-Brn, Fxln micrite, poor PP Inxln Por, poor-fair oom por w/sml ooids in plc(sli flor w/GB AA), foss(spiulitc inclus), scat dissolu & leached vugs, Chlky, Chrt AA, Sh Blk Carb- Gry-Lt Red, soft fiss silty grad Qtz SS Gry(w/CaCO3 matrix), no odr, no flor(few from abv), no stn, NS
4950
Ls Wht-Crm-Tan Gry, Fxln micrite, poor-fair PP Inxln Por, 1 Pc w/Good PP Inxln Sucro Por poor-fair oom Por, foss(crin, spiculitic), poor develp dissolu vugs, Chlky, Sh Gry-Brn-Blk Carb, fiss grny, no odr, no flor, no stn, NS
86 UNIT GAS KICK
Sh Blk Carb w/SGB GB do flor, Ls AA w/trc gluc inclus
PAWNEE 4984' (-2159)
0 ROP (min/ft) 5
0 Gamma (API) 150
5000
TG, C1-C5 300
Ls Crm-Tan, F-Microxln dns micrite, matted foss(crin),Chlky w/clastic inclus, Chrt Tan-Wht, Transl-Op shp vit, Sh Blk Carb w/SGB, no odr, no flor, no stn, NS
90 UNIT GAS KICK
FT. SCOTT 5019' (-2194)
CHEROKEE SHALE 5030' (-2205)
82 UNIT GAS KICK
5050


ROP (min/ft)
0
5
Gamma (API)
0
150
5100
5150
5200
5250
TG, C1-C5
300
87 UNIT
GAS KICK
92 UNIT
GAS KICK
66 UNIT
GAS KICK
Sh Blk Carb-Gry, fiss silty, Ls Tan-Crm-Wht-Gry, F-Microxln dns micrite, poor PP Inxln Por w/chrt & foss inclus, scat oolitic Ls w/ poor-fair oom por, poor leaching w/ spty grn flor, Chlky, Chrt Tan-Wht transl-op shp vit with foss &matted ool inclus, no odr, no flor, no stn, NS
Sh Blk Carb-Gry-Brn, soft fiss, Ls Crm-Tan-Wht, Microxln dns micrite grad Fxln w/poor-fair PP Inxln/foss Por, poor oom Por, rnd clastic inclus, Chlk, trc pyr, Chrt, Wht-Tan, op-shp vit, no odr, no flor, no stn, NS
Ls Wht-Crm-Gry, Fxln micrite grad poor Inxln foss Por(matted fus, spicul inclus), trc poor oom por, scat pyr inclus, Sh Gry-Grn-Blk Carb(w/SGB), Chrt, Tan-Gry op shp vit, no odr, no flor, no stn, NS
Ls, Crm-Wht-Tan F-Microxln dns micrite, poor PP Inxln Por, Chlk, Sh Blk Carb-Gry, fiss silty, no odr, no flor, no stn, NS
Ls Crm-Tan-Wht, Fxln micrite, grad poor-fair PP Inxln Por, soft fri w/vry lt spty stn, faint odr, scat grn/yel flor, fair show GB aft 10%HCL(GB do flor), strem blue wht cut(2-3% in tray), Chlky, matted ool, trc gluc inclus, Chrt Tan-Wht trnslu-op shp vit foss, Sh Blk Carb-Gry, soft fiss, fair SGB, No vis FO
Ls Wht-Crm-Tan, Fxln dns micrite, scat dissolu vugs, pyr inclus, Sh Blk Carb-Gry-Brn, fiss, no odr, no flor, no stn(strks blk gil stn), NS
Ls Wht-Crm-Tan, Fxln dns micrite, poor PP Inxln Por, pyr & foss inclus(brch, spicul), Sh Blk Carb-Gry-Brn-Grn, fiss, Chrt Tan op shp vit, no odr, no flor, no stn, NS
Ls Wht-Crm-Tan, dns micrite, trc Fxln w/fair PP Inxln Por, chllky w/pyr inclus, Sh Blk Carb-Brn, fiss, foss(crin), no odr, no flor, few strks blk gil stn, NS
Ls Wht-Crm-Gry, Fxln micrite grad poor Inxln foss Por(matted fus, spicul inclus), trc poor oom por, scat pyr inclus, Sh Gry-Grn-Blk Carb, Chrt, Tan-Gry op shp vit, no odr, no flor, no stn, NS
Ls Gry-Tan-Wht, Fxln dns micrite, Sh Blk Carb-Drk Gry, soft fiss, pyr mass, no odr, no flor, no stn, NS
Ls Gry-Wht-Crm, Fxln micrite grad poor PP Inxln Por w/scat dissolu vugs, faint odr, strks lt brn stn, sli show GB w/10% HCl(GB do flor, few coated w/brn oil residu), No Shw FO, Sh Blk Carb-Gry, fiss
Ls Gry-Wht-Tan, Fxln dns micrite w/matted foss(fus), Chlk, Sh Blk Carb-Gry, fiss w/pyr inclus, Chrt Tan Tranp-Op, Shp Vit, no odr, no flor, no stn, NS
Sh Gry-Char-Blk Carb- fiss, foss(brach,bryz), Ls Wht-Crm-Gry, Fxln poor PP Inxln Por, 1 Pc fair oom por, strks blk gil stn, Chlky, no odr, no flor, no stn, NS
ATOKA 5245' (-2420)
Sh Char-Gry-Brn-Blk Carb-Grn, soft fiss, Ls Tan-Crm, F-Microxln micrite grad poor Inxln vug Por, Chalk, matt foss(fuss), Chrt Gry-Wht-Blk, op shp vit, sli odr, no flor, scat blk gil stn,, NS
Sh Gry-Brn-Blk Carb, soft fiss, Ls Wht-Crm, Fxln micrite, poor PP Inxln Por, 1 Pc w/drk brn-blk residual hvy gil stn, scat strks lt brn stn, sli odr, no flor, NS


Sh Blk Carb-Char-Gry, fiss, Ls Crm-Tan-Crm, F-MicroxIn dns micrite grad poor-fair PP InxIn vug Por, few w/sat hvy brn stn, sli show GB and sli show FO aft 10%HCL(did not flor), fair odr,(1-2%in tray)
108 UNIT GAS KICK
MORROW SHALE 5290' (-2465)
CHESTER 5293' (-2468)
123 UNIT GAS KICK
5300
30' CFS @ 5320' Ls Wht-Crm-Tan, FxIn, fair-good PP InxIn/Ool Por w/sml ooids in plc, good InxIn Foss Por w/Crin, Fus,Brach,Spicul inclus, vry friable, soft, Strong odr, strky to sat even brn stn(abd), no flor, Good Show FO in tray(abd), Good Sh GB aft 10%HCl, (Oil & GB did not flor), sli trc gluc inclus, Chlky, MicroxIn micrite, Sh Gry-Blk Carb-Grn, soft fiss, scat pyr, GSG & GSFO
CFS 30-60" @ 5320'
60" CFS @ 5320' Ls Wht-Crm-Tan, FxIn-MicroxIn dns micrite, grad fair-good PP InxIn Foss Por w/ Crin & ool inclus, vry friable, soft, Strong odr, strky to sat even brn stn, no flor, sli Show FO in tray(Good Show aft 10% HCL), Good Sh GB aft 10%HCl, (Oil & GB did not flor), sli trc gluc inclus, Chlky, Hvy Drk Brn Gil stn, Sh Gry-Blk Carb-Grn, soft fiss, scat pyr, GSG & GSFO
141 UNIT GAS KICK
60"CFS @ 5350' Sh Char-Gry-Blk Carb-Grn-Red, soft fiss, Ls Wht-Crm F-MicroxIn dns micrite(w/pc from above), Chlky, strks blk hvy gil stn, scat foss frags(brach)
5350
CFS 30-60" @5350
Sh Gry-Lt Gry-Grn, soft fiss thin laminated, Ls Wht-Crm-Gry, FxIn dns micrite, poor-Fair PP InxIn Por, foss(spiculitic inclus), Chrt Wht-Lt Gry, translu-op shp vit, no odr, no flor, strks hvy blk gil stn, NS
Ls Wht-Crm-Tan-Gry, FxIn dns micrite, grad poor PP InxIn Por, sli trc poor oom vug por w/ gluc inclus, Chlky, Sh Gry-Grn-Blk Carb, soft fiss, foss frag(crin), no odr, no flor, no stn, NS
Sh Gry-Aqua-Drk Gry, soft fiss w/strk pyr, Ls Wht-Crm Gry, FxIn micrite, foss & clast inclus, trc poor PP InxIn Por,Chlky , no odr, no flor, no stn, NS
5400
0
ROP (min/ft)
5
0
Gamma (API)
150
TG, C1-C5
300
Ls Wht-Crm-Tan, FxIn Dns Micrite grad poor-fair PP InxIn Por, Sh Gry-Lt Gry-Aqua-Blk Carb, fiss soft, mass pyr, no odr, no flor, no stn, NS
Sh Gry-Lt Gry-Aqua-Yell-Purp, soft fiss, Ls Wht-Crm FxIn micrite grad fair PP InxIn sucro por, scat foss, no odr, no flor, no stn, NS
5450
Sh Gry-Mrn-Red-Aqua-Purp, soft fiss, Ls Wht-Crm FxIn micrite grad poor-fair PP InxIn sucr Por, Chrt Amb-Wht translu shp vit, trc pyr inclus, trc gluc inclus, foss(brach) no odr, no flor, no stn, NS
ST. GEN 5472' (-2647)
Ls Wht-Crm F-MicroxIn dns micrite, arenaceous in part w/poor inGrn por, Chlk, Sh Gry-Mrn-Red-Aqua-Purp, soft fiss, no odr, no flor, no stn, NS
Ls Wht, VFgrn, arenaceous w/poor InGrn por, soft, vry friable w/satur Brn stn, mod odr, sli show GB and sli show FO aft 10% HCl, (GB & FO did not flor), Chlk, Sh Gry-Mrn-Red-Aqua-Purp, soft fiss, Sli Show GB & Sli Show FO





Ls Wht-Crm-Tan, VFgrn arenaceous w/poor InGrn por, soft, vry friable grad Fxln micrite w/poor-fair PP Inxln Por, strks pyr inclus, trc gluc inclus, Sh Gry-Grn-Blk Carb, Chrt Tan op shp vit, no odr, no flor, no stn, NS

Ls Wht-Crm-Tan, VFgrn arenaceous w/poor InGrn por, soft, vry friable grad Fxln micrite w/poor PP Inxln Por, trc gluc inclus, Sh Gry-Grn-Blk Carb, Chrt Wht-Tan op shp vit, no odr, no flor, no stn, NS

Ls Wht-Crm, VFgrn arenaceous w/poor InGrn por, soft, vry friable grad Fxln micrite w/poor-fair PP Inxln Por, strks pyr inclus, trc gluc inclus, Sh Gry-Grn-Blk Carb-Yell, Chrt Wht-Orng, transl-op shp vit, no odr, no flor, no stn, NS

Ls Wht-Crm, VFgrn arenaceous w/poor InGrn por, soft, vry friable grad Fxln micrite w/poor-fair PP Inxln Por, strks pyr inclus, trc gluc inclus, Sh Red-Gry-Aqua, no odr, no flor, no stn, NS

Ls Wht-Crm-Tan, FGrn arenaceous, poor InGrn por w/smal ooid in plc, Fxln-Microxln dns micricte, trc gluc inclus, Sh Red-Aqua-Grn-Lt Gry-Drk Gry-Blk Carb, soft fiss smooth, Chrt Wht Translu-op shp vit, no odr, no flor, no stn, NS

Ls Wht-Crm-Tan, FGrn arenaceous, poor InGrn por w/smal-med ooid in plc, Fxln-Microxln dns micricte, trc gluc inclus, Sh Red-Aqua-Turq-Lt Gry-Drk Gry-Blk Carb, soft fiss smooth, Chrt Wht-Orng Translu-op shp vit, no odr, no flor, no stn, NS

Ls Wht-Crm, VFGrn arenaceous, poor InGrn por w/smal ooid in plc, Fxln-Microxln dns micricte, scat gluc inclus, Sh Red-Aqua-Turq-Lt Gry-Drk Gry-Purp, soft fiss, Mass Pyr, no odr, no flor, no stn, NS

Ls Wht-Crm-Tan, Fxln-Microxln dns micricte grad poor-fair PP Inxln Por, VFGrn arenaceous, poor InGrn por w/smal-med ool in plc, trc gluc inclus, Sh Gry-Red-Aqua, soft fiss, scat pyr Chrt Wht-Org Translu-op shp vit, no odr, no flor, no stn, NS

Ls Wht-Crm-Tan, Fxln-Microxln dns micricte grad poor-fair PP Inxln Por w/ool inclus, VFGrn arenaceous, poor InGrn por w/smal-med ool in plc, trc gluc inclus, Sh Gry-Red-Aqua, soft fiss, scat pyr Chrt Wht-Org Translu-op shp vit, no odr, no flor, no stn, NS

ST. LOUIS Ø 4588' (-2763)

Ls Wht-Crm-Tan, Fxln-Microxln dns micricte grad poor-fair PP Inxln Por w/med-smal ooid inclus, scat vug por, trc pyr inclus, VFGrn arenaceous in prt, trc gluc inclus, Sh Gry-Red-Aqua-Blk Carb, soft fiss, Chrt Wht-Org Translu-op shp vit, no odr, no flor, no stn, NS

Ls Wht-Crm-Tan, Fxln-Microxln dns micricte grad poor-fair PP Inxln Por w/med-smal ooid inclus, scat vug por, poor leach, friable, Chlk Sh Gry-Lt Gry, soft, Chrt Wht-Pnk Translu-op shp vit, no odr, no flor, no stn, NS

Ls Wht-Crm-Tan, Fxln-Microxln dns micricte grad poor-fair Inxln Por w/med-smal ooid inclus, poor ool por, poor leach, chlk, trc pyr inclus, VFGrn arenaceous in prt, trc gluc inclus, Sh Gry-Blk Carb-Grn-Mrn, soft fiss, Chrt Wht-Pch Translu-op shp vit, no odr, no flor, no stn, NS

Ls Wht-Crm-Tan, Fxln-Microxln dns micricte grad poor-fair Inxln Por w/med-smal ooid inclus, poor ool por, poor leach, chlk, trc pyr inclus, arenaceous in prt, trc gluc inclus, Sh Gry-Blk Carb-Grn-Mrn-Turq, soft fiss, Chrt Wht-Pch-Amb Translu-op shp vit, no odr, no flor, no stn, NS

Ls Wht-Crm, Fxln-Microxln dns micricte grad poor Inxln Por w/med-smal ooid inclus, poor ool por, poor leach, chlk, trc pyr inclus, arenaceous in prt, trc gluc inclus, Sh Gry-Blk Carb-Grn-Mrn-Turq, soft fiss, Chrt Wht-Pch-Amb Translu-op shp vit, no odr, no flor, no stn(trc blk gil stn), NS

Ls Wht-Crm, Fxln-Microxln dns micricte grad poor PP Inxln Por w/med-smal ooid inclus, poor ool por, trc poor leach, chlk, arenaceous in prt, trc gluc inclus, Sh Gry-Blk Carb-Grn-Mrn-Turq, soft fiss, Chrt Wht-Pch-Amb Translu-op shp vit, no odr, no flor, no stn, NS

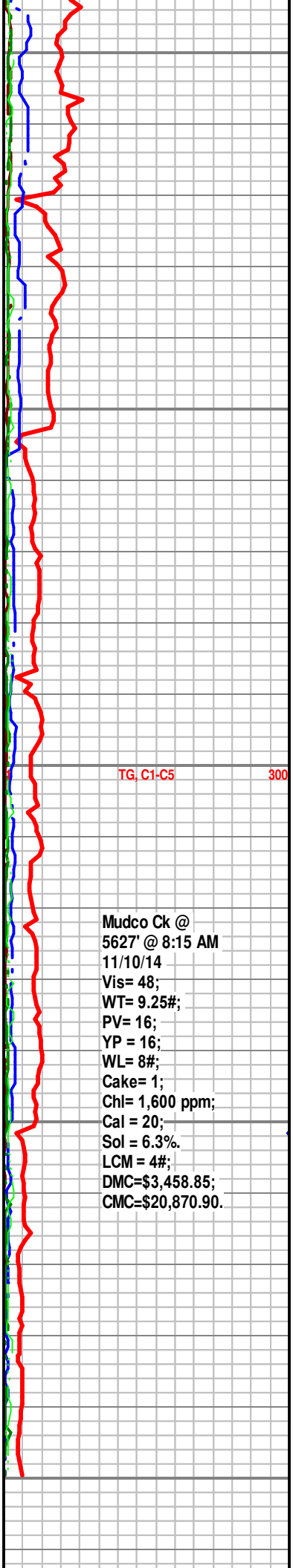
Ls Wht-Crm-Tan, Fxln-Microxln dns micricte grad poor PP Inxln Vug Por, arenaceous in prt w/med-smal ooid inclus, poor ool por, trc poor leach, chlk, scat pyr, trc gluc inclus, Sh Gry-Blk Carb-Grn-Mrn-Turq, soft fiss, Chrt Wht Translu-op shp vit, no odr, no flor, no stn, NS

Ls Wht-Crm-Tan-Gry, Fxln-Microxln dns micricte grad poor PP Inxln Vug Por, arenaceous in prt w/med-smal ooid inclus, poor ool por, trc poor leach, chlk, scat pyr, trc gluc inclus, Sh Gry-Blk Carb-Aqua-Mrn-Red-Yell, soft fiss, Chrt Wht-Blk-Drk Gry, Translu-op shp vit, no odr, no flor, no stn, NS

Ls Wht-Crm-Tan-Gry, Fxln-Microxln dns micricte grad poor Inxln Vug Por, arenaceous in prt w/med-smal ooid inclus, poor ool por, trc poor leach, chlk, scat pyr, trc gluc inclus, Sh Gry-Blk Carb-Grass Grn-Mrn-Red-Yell, soft fiss, Chrt Wht-Drk Gry-Org, Translu-op shp vit, no odr, no flor, no stn, NS

30" CFS @ 5700' Ls Wht-Crm-Tan, Fxln-Microxln dns micricte grad poor Inxln Vug Por, arenaceous in prt w/med-smal ooid inclus, poor ool por, trc poor leach, chlk, trc gluc inclus, Sh Gry-Blk Carb-Aqua-Mrn-Red-Yell, soft fiss, Chrt Wht-Drk Gry, Translu-op shp, mass foss(crin) vit, no odr, no flor, no stn, NS

60" CFS @5700' Ls Wht-Crm-Tan, Fxln-Microxln dns micricte grad poor Inxln Vug Por, arenaceous in prt w/med-smal ooid inclus, poor ool por, trc poor leach, chlk, trc gluc inclus, Sh Gry-Blk Carb-Aqua-Mrn, soft fiss, Chrt Wht-Drk Gry-Yell, Translu-op shp, mass foss(crin) vit, no odr, no flor, no stn, NS



Mudco Ck @
5627' @ 8:15 AM
11/10/14
Vis= 48;
WT= 9.25#;
PV= 16;
YP = 16;
WL= 8#;
Cake= 1;
Chl= 1,600 ppm;
Cal = 20;
Sol = 6.3%.
LCM = 4#;
DMC=$3,458.85;
CMC=$20,870.90.

Short Trip to Surface Casing

DEV @ 5700' = 1 3/4 Degree

5750

Geologist left location @ 8:00 AM on 11-11-14

Electric Logs Run: By Weatherford Logging: Dual Induction; Compensated Density-Neutron; Sonic; & Microresistivity Logs.

ALLIED OIL & GAS SERVICES, LLC 061687

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Liberal (21)

DATE 11-5-14	SEC. 17	TWP. 30S	RANGE 30W	CALLED OUT	ON LOCATION	JOB START 1:30 am	JOB FINISH 3:33 pm
LEASE Patterson D Bank A	WELL # 3-17	LOCATION Sublette KS, 13 mile, East, 2.5 South, East into				COUNTY Meade	STATE KS
OLD OR NEW (Circle one)							

CONTRACTOR Sterling #2
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D.
CASING SIZE 8⅝ 24# DEPTH 1852.62
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT 42.26
CEMENT LEFT IN CSG. 26.88
PERFS.
DISPLACEMENT 115.6 BBL

OWNER

EQUIPMENT

PUMP TRUCK CEMENTER Aldo Espinoza/Russell Mantz
903-501 HELPER Heriberto Valenzuela
BULK TRUCK
705-842 DRIVER Ricardo Estrada
BULK TRUCK
562-538 DRIVER Juan Carrillo/Tony Holguin
914-642

REMARKS:

Thank you

CHARGE TO: McCoy Petroleum
STREET
CITY STATE ZIP

CEMENT

AMOUNT ORDERED 675sx 65/35, Class A 3%cc ¼ flosea[
3Mlbs Class A, 3%cc ¼ flosea[.

COMMON Class A 338sx	@	17.90	5745.90
POZMIX	@		
GEL	@		
CHLORIDE 2326#	@	1.10	2,558.60
ASC	@		
flo seal 219#	@	2.97	650.43
ALW C, Class A 675sx	@	19.88	13,419.00
	@		
	@		
	@		
	@		
	@		
	@		
HANDLING	@		
MILEAGE			
78388 / 35%		TOTAL	22,373.93

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			2,213.75
EXTRA FOOTAGE LVM 40#	@	4.40	176.00
MILEAGE HVM 40mi	@	7.70	308.00
MANIFOLD 1	@	275.00	275.00
handling 1115.36 ft³	@	2.48	2,766.09
Drayage 1899.46 T-m	@	2.75	5,223.52
Excess of set hours 3 @		440.00	1,320.00
4298.83 / 35%		TOTAL	12,282.36

PLUG & FLOAT EQUIPMENT

Guide Shoe 1	@	460.00	460.00
AFU Insert Float Valve 1	@	447.00	447.00
Stop Collar 1	@	56.00	56.00
Centralizers 5	@	75.00	375.00
Top Rubber Plug 1	@	131.00	131.00
514.15 / 35%		TOTAL	1,469.00

SALES TAX (If Any)
TOTAL CHARGES 36,125.29
DISCOUNT 12643.85 / 35% IF PAID IN 30 DAYS
Net 23,481.44

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME
SIGNATURE

ALLIED OIL & GAS SERVICES, LLC 053300

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Liberal Ks

DATE 11-11-14	SEC. 17	TWP. 30S	RANGE 30 W.	CALLED OUT	ON LOCATION	JOB START 12 Noon	JOB FINISH 2:00 a.m.
LEASE Paterson O Brate "A"	WELL # 3-17.		LOCATION Sublette Jct 83 + CR 190, E.			COUNTY Meade	STATE Ks.
OLD OR (NEW) (Circle one)			13 Mi, to stop Sign, S 2 1/4 Mi, E Into.				

CONTRACTOR Sterling #2
TYPE OF JOB Long string
HOLE SIZE 7 7/8 T.D. 5,699.63 Ft
CASING SIZE 5 1/2 15.5# DEPTH 5702.63 Ft
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX 1500 PSI MINIMUM
MEAS. LINE SHOE JOINT 42.13 Ft
CEMENT LEFT IN CSG. 1 BBls
PERFS.
DISPLACEMENT 135 BBls

OWNER MC Petroleum Corp.

EQUIPMENT

PUMP TRUCK CEMENTER Ruben Chavez
#868-541 HELPER Jaime Torres
BULK TRUCK
705-842 DRIVER Gregory Randall
BULK TRUCK
DRIVER

REMARKS:

CEMENT

AMOUNT ORDERED 225 sk ASBC "A", 5lb/Kol Seal /sk, .5% FL-160.
50 sk 60/40/4 = RAT + Mouse Hole.

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	@		
LC Spacer 10 BBls	@	225.00	2,250.00
Allied 60/40/4 A 50 sk	@	18.82	941.00
ASBC "A" 225 sk	@	23.50	5,287.50
Kol Seal 11250 lb	@	.98	1,102.50
FL-160 106 lb	@	18.80	2,003.40
	@		
	@		
	@		
	@		
3476.82/30%	TOTAL		11,589.40

SERVICE

Mat Handling 3497.2 Cf @ 2.48			867.30 ✓
PUMP TRUCK CHARGE			3,099.25
Drayage 595.78 T.M	@	2.75	1,638.46
MILEAGE Heavy 40 Mi	@	7.70	308.00
MANIFOLD + head 1	@	275.00	275.00
Light Vehicle 40 Mi	@	4.40	176.00
Circulating Iron 1	@	400.00	400.00
Derrick charge 1	@	577.50	577.50
Stand by hours 5	@	440.00	2,200.00
2862.44/30%	TOTAL		9541.45

PLUG & FLOAT EQUIPMENT

AFU Flapper Float Shoe #1	@	545.00	545.00
Latch Down Plug 1	@	660.00	660.00
Turbolizer 8	@	95.00	760.00
	@		
	@		
589.50/30%	TOTAL		1,965.00

CHARGE TO: MC-COY PETROLEUM CORP.
STREET
CITY STATE ZIP

SALES TAX (If Any)
TOTAL CHARGES 23,095.55
DISCOUNT 6,928.76 IF PAID IN 30 DAYS

NET = 16,167.09

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME
SIGNATURE