



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

Well Name: SCHNACKENBERG "A" #2 - 11
Location: C - NE - SW - NW of Sec. 11 - T. 34 S. - R. 08 W.
License Number: A.P.I. #15-077-21,91996-00-00
Spud Date: 12/09/2013
Surface Coordinates: SPOT: 1650' FNL & 990' FWL

Region: HARPER CO., KS.
Drilling Completed: 12/14/2013

**Bottom Hole
Coordinates:**
Ground Elevation (ft): 1381' **K.B. Elevation (ft):** 1390'
Logged Interval (ft): 261' **To:** 4785' **Total Depth (ft):** 4785'
Formation: MISSISSIPPIAN "WARSAW"
Type of Drilling Fluid: CHEMICAL/POLYMER/GEL

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

OPERATOR

Company: McCOY PETROLEUM CORPORATION KCC LIC. NO. # 5003
Address: 8080 E. CENTRAL, STE. 300
WICHITA, KANSAS 67206-2366

GEOLOGIST

Name: DAVID P. WILLIAMS, P.G.
Company: DW ENERGY, LLC
Address: 312 N. BROADVIEW STREET
WICHITA, KANSAS 67208

CASING & DEVIATION SURVEYS

Spud at 6:15 PM on 12/09/13. Drilled 12-1/4" hole to 265'. Ran 6 joints of new 23# 8-5/8" surface casing. Tallied 250.30', set at 261' KB. Welded straps on bottom 3 joints. Welded collars on 3 joints. Cemented with 200 sks 60/40 POZ; 2% Gel; 3% CC; 1/4# CF. Plug down at 4:30 am on 12/10/13. Cement did circulate. Allied Cementing ticket #59617

Deviation Survey's Taken: @ 265' = 1/2 degree; @ 4785' = 2 1/4 degrees.


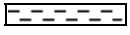

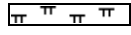
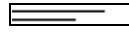
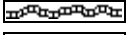
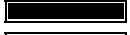



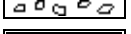




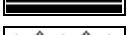


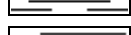
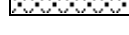



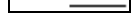
Comments

After review of all geologic samples as examined, combined with the analysis from the electric logs run, it was determined by all parties that production casing be run in order to further evaluate this well.

Respectfully submitted,

















David P. Williams, P.G














ROCK TYPES

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

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
--

 Even
 Spotted
 Ques
 Dead

 Core
--

EVENT

 Rft
 Sidewall

INTERVAL

 Dst
 Dst_alt

Curve Track 1

ROP (min/ft) ———
Gamma (API) - - - -

Depth

Geological Descriptions

Oil Shows

Geological Descriptions

TG, C1-C5

TG (Units) ———
C1 (units) ———
C2 (units) - - - -
C3 (units) - - - -
C4 (units) - - - -

ROP (min/ft) 0 3
Gamma (API) 0 150

33

ROP (min/ft) 0 3
Gamma (API) 0 150

3400

3450

McCOY PETROLEUM CORPORATION

SCHNACKENBERG "A" # 2-11

SPOT: 1650' FNL & 990' FWL

SEC. 11 - 34 S. - 08 W.

HARPER COUNTY, KANSAS

A.P.I. # 15 - 077 - 21,996 - 00 - 00

ELEVATION : 1390' K.B. ; 1381' G.L.

CONTRACTOR: STERLING DRILLING - RIG # 4

Geologist: David P. Williams, P. G.

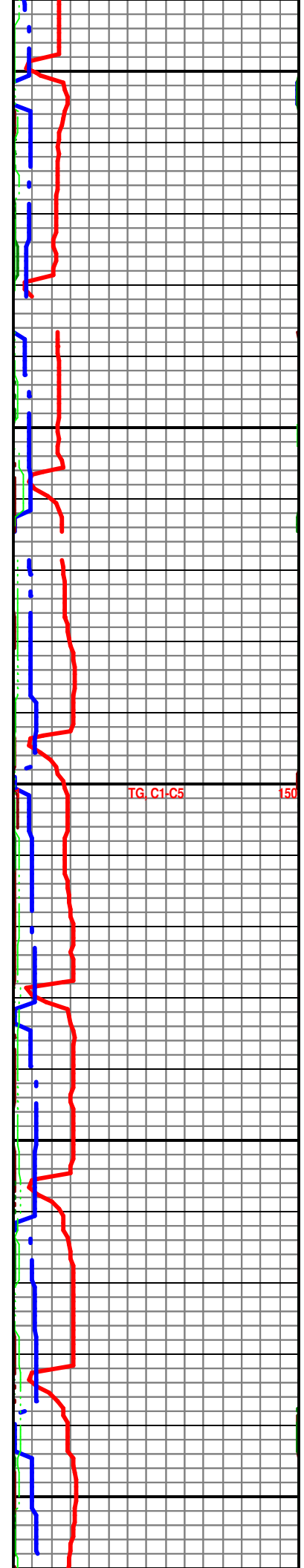
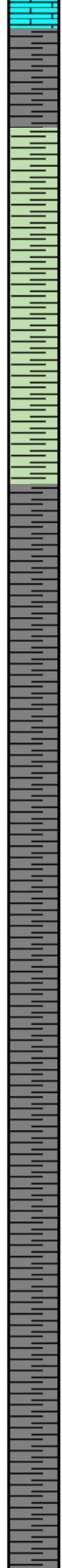
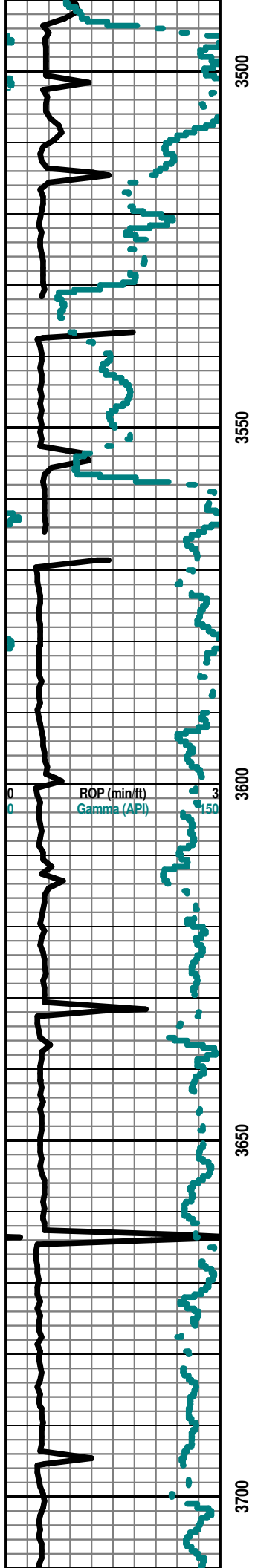
Deviation Survey's Taken: @ 265' = 1/2 degree; @ 4785' = 2 1/4 degrees.

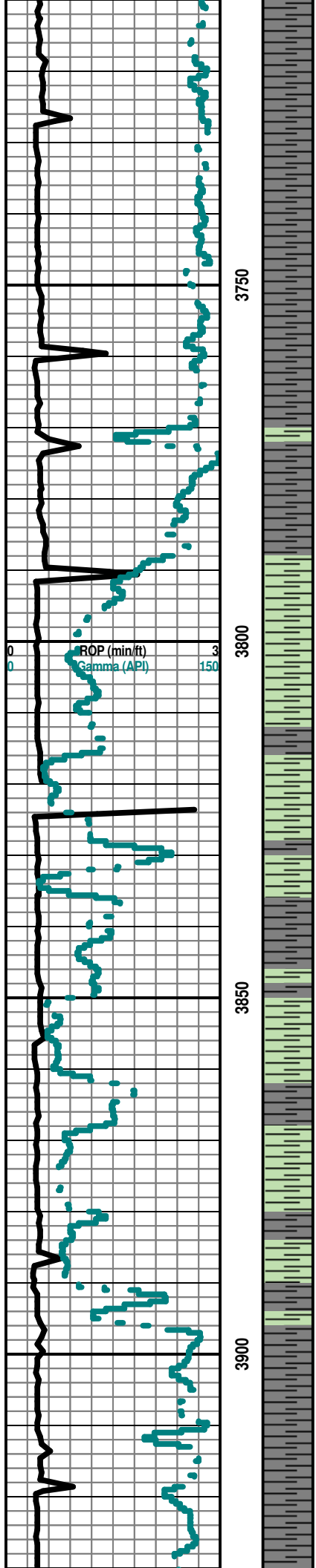
TG, C1-C5 150

MUD DISPLACEMENT
@ 3122'.

TG, C1-C5 150

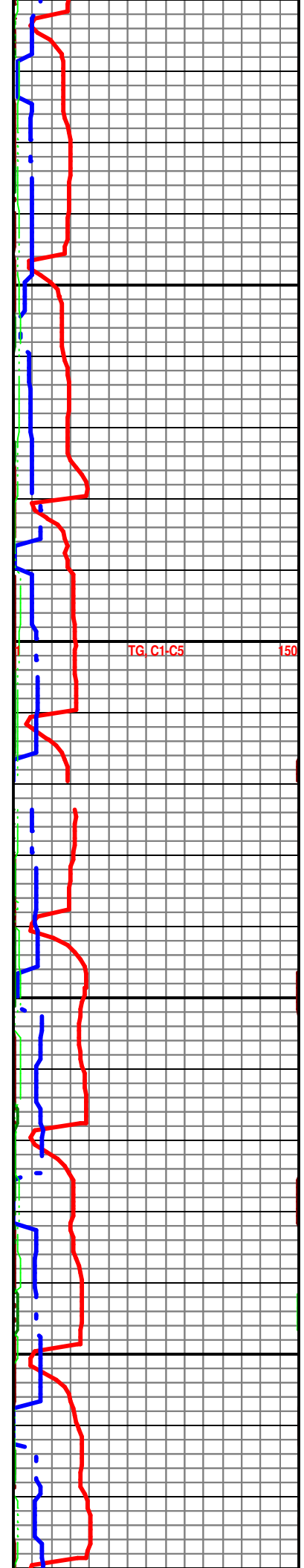
HEEBNER 3454' (- 2064)

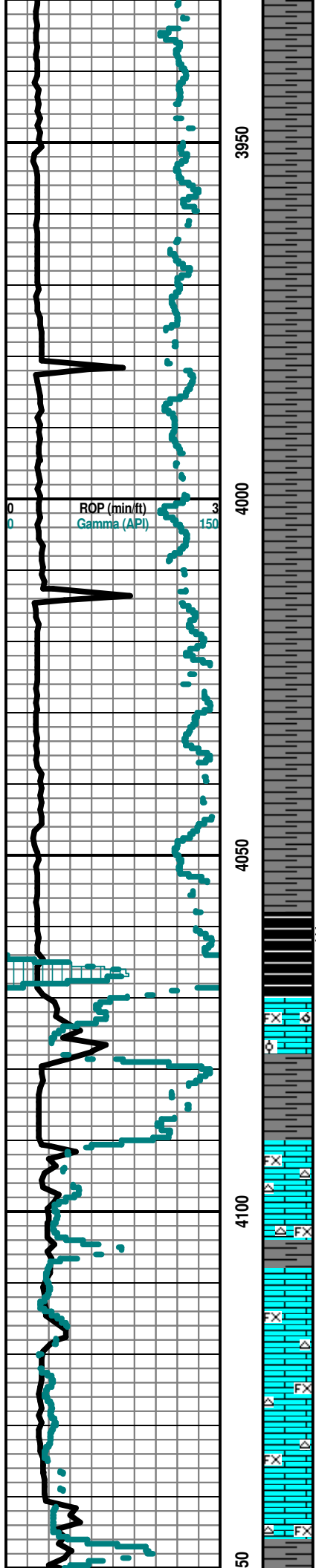




STALNAKER 3790' (- 2400)

BASE STALNAKER 3896' (- 2506)

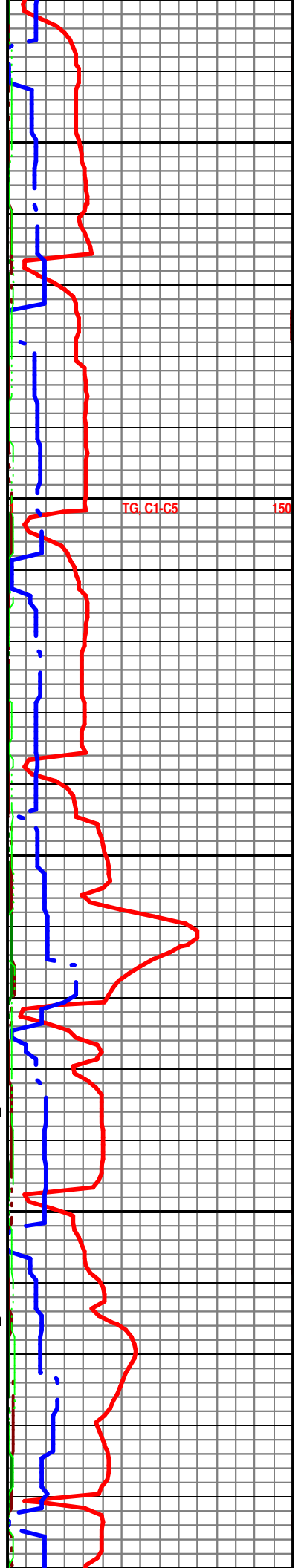


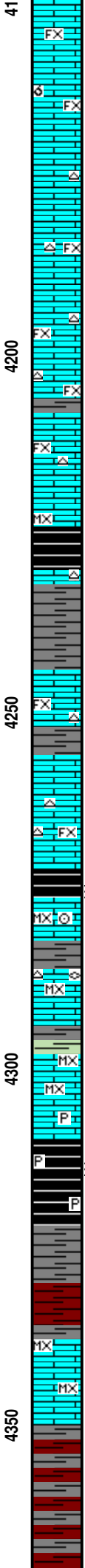
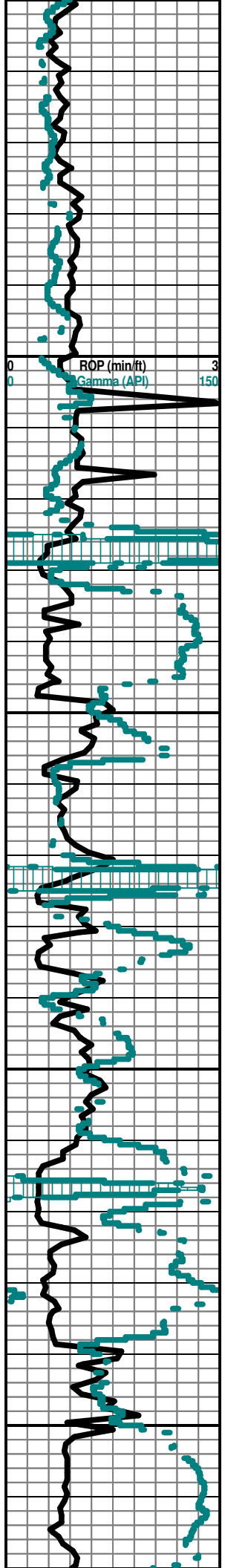


Note: All samples have been lagged to depth by calculated time.
Begin 10' Sample Examination @ 4130'.

KANSAS CITY 4070' (- 2680)

- Ls Wht FxIn Dns Micrite Grad Poor Pin-Pt IxIn Por Grad Poor OOM Por (w/Small OOids in pl) Barren Sh Blk Carb-Char-Gry-Lt Aqua Soft-Fissil No Odor No Stn No Flor NS
- Ls Wht FxIn Dns Micrite Grad Poor Pin-Pt Vug IxIn Por Poor Leaching Barren Cht Wht Op Shp Vit Sh Blk Carb-Char-Gry Soft-Fissil No Odor No Stn No Flor NS
- Ls Wht FxIn Dns Micrite Barren Cht Wht Op Shp Vit Sh Char-Gry Soft-Fissil No Odor No Stn No Flor NS
- Ls Wht FxIn Dns Micrite Barren Cht Wht Op Shp Vit Sh Char-Gry Soft-Fissil No Odor No Stn No Flor NS
- Ls Wht FxIn Dns Micrite Grad Poor Pin-Pt Vug IxIn Por Poor Leaching Barren Cht Wht Op Shp Vit Sh Blk Carb-Char-Gry Soft-Fissil No Odor No Stn No Flor NS
- Ls Wht-Crm FxIn Micritic Grad Poor-Fair Pin-Pt IxIn Por Barren Cht Wht Op Shp Vit Sh Char-Gry Soft-Fissil No Odor No Stn No Flor NS
- Ls Wht-Crm FxIn Micritic Grad Poor-Fair Pin-Pt IxIn Por Barren Cht Wht Op Shp Vit Sh Char-Gry Soft-Fissil No Odor No Stn No Flor NS
- Ls Wht-Crm FxIn Micritic Grad Poor-Fair Pin-Pt IxIn Por Barren Cht Wht Op Shp Vit Sh Char-Gry Soft-Fissil No Odor No Stn No Flor NS





Ls Wht-Crm FxIn Micritic Grad Poor-Fair Pin-Pt IxIn Por Grad Poor-Fair Vug Op Shp Vit Pyr Mass Sh Char-Gry Soft-Fissil No Odor No Stn No Flor NS

Ls Wht-Crm FxIn Micritic Grad Poor-Fair Pin-Pt IxIn Por Grad Poor-Fair Vug Leached OOM Por Barren Cht Wht Op Shp Vit Sh Char-Gry Soft-Fissil No Odor No Stn No Flor NS

Ls Wht-Crm FxIn Micritic Grad Poor-Fair Pin-Pt IxIn Por Barren Cht Lt Gry-Wht Op Shp Vit Sh Char-Gry Soft-Fissil No Odor No Stn No Flor NS

Ls Wht-Crm FxIn Micritic Grad Poor-Fair Pin-Pt IxIn Por Barren Cht Lt Gry-Wht Op Shp Vit Sh Char-Gry Soft-Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Lt Tan FxIn Micritic Grad Poor-Fair Pin-Pt IxIn Por Barren Cht Lt Gry-Wht Op Shp Vit Sh Char-Gry Soft-Fissil No Odor No Stn No Flor NS

Ls Crm-Drk Tan FxIn Micritic Grad Poor IxIn Por Barren Cht Lt Gry Op Shp Vit Chalky Sh Char-Gry-Blk Carb Tr Soft-Fissil No Odor No Stn No Flor NS

Ls Crm-Drk Tan FxIn Micritic Grad Poor IxIn Por Barren Cht Lt Gry Op Shp Vit Chalky Sh Char-Gry-Blk Carb Tr Soft-Fissil No Odor No Stn No Flor NS

STARK SHALE 4224' (- 2834)

Sh Blk Carb-Char-Gry Fissil Ls Crm-Tan MicroxIn Micritic Barren Cht Wht-Smoky Gry Op Shp Vit Pyr Mass No Odor No Stn No Flor SG in Blk Carb Sh

Ls Crm-Tan-Lt Gry Micritic Barren Cht Wht- Smoky Gry Op Shp Vit Sh Char-Gry Soft-Fissil No Odor No Stn No Flor NS

Ls Crm-Tan-Lt Gry Micritic Barren Cht Wht- Smoky Gry Op Shp Vit Sh Char-Gry Soft-Fissil No Odor No Stn No Flor NS

GEOLOGIST ON LOCATION @ 4252' (CALL DEPTH WAS LATE)

Ls Wht-Crm-Tan FxIn Micritic Barren Cht Wht Op Shp Vit Sh Char- Gry - Blk Carb Fissil No Odor No Stn No Flor NS

Ls Crm-Tan FxIn Micritic Barren Cht Wht-Amber Op Shp Vit Sh Char-Gry Fissil No Odor No Stn No Flor NS

HUSHPUCKNEY SHALE 4272' (- 2882)

Sh Blk Carb-Char-Gry Fissil Ls Crm-Tan MicroxIn Micritic Barren Cht Wht-Smoky Gry Op Shp Vit Fos (Crin) No Odor No Stn No Flor SG in Blk Carb Sh

Ls Wht-Crm-Tan-Gry MicroxIn Micritic Barren Cht Amber-Gry (w/Fos (Fuss) Includ) Translu-Op Shp Vit Sh Blk Carb- Char- Gry- Grn Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Tan-Gry MicroxIn Micritic Barren Sh Carb- Char- Gry- Grn Fissil No Odor No Stn No Flor NS

Ls Crm-Tan-Gry-Drk Brn (w/Pyr Includ) MicroxIn Micritic Barren Chalky Sh Blk Carb-Char-Gry-Grn Fissil No Odor No Stn No Flor NS

BASE KANSAS CITY 4310' (- 2920)

Sh Blk Carb-Gry (w/Pyr Includ) Soft-Fissil VAbd Ls Crm-Tan MicroxIn Micritic Barren No Odor No Stn No Flor NS

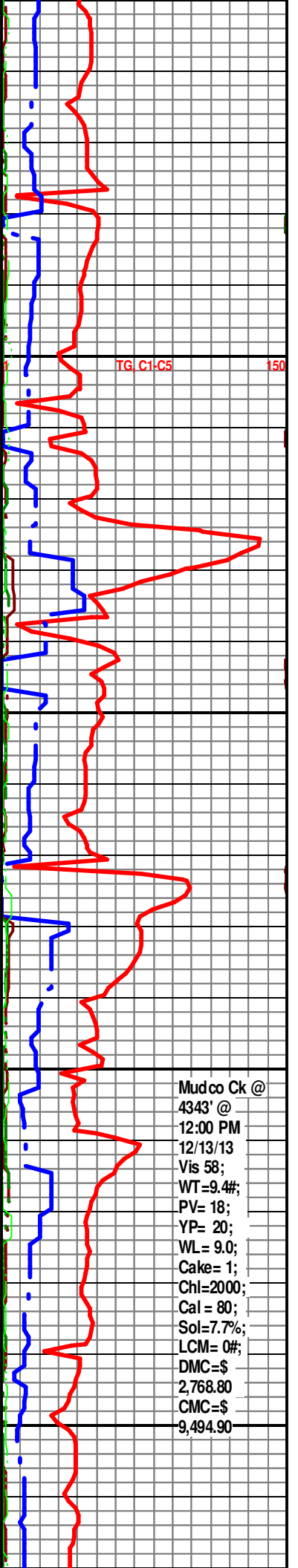
Sh Blk Carb-Gry Fissil Ls Crm-Tan MxIn Micritic Barren No Odor No Stn No Flor NS

Sh Maroon-Char-Gry Fissil Ls Crm-Tan MicroxIn Micritic Barren No Odor No Stn No Flor NS

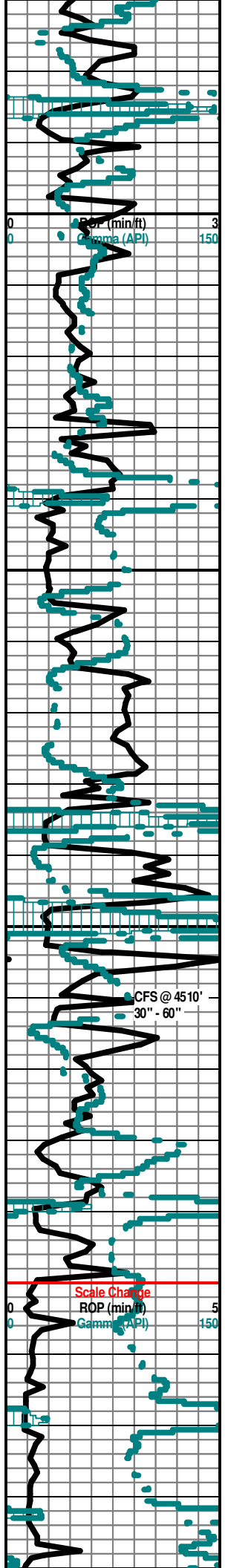
Sh Maroon-Char-Gry Fissil Ls Crm-Tan MicroxIn Micritic Barren No Odor No Stn No Flor NS

Sh Maroon-Char-Gry Fissil Ls Crm-Tan MicroxIn Micritic Barren No Odor No Stn No Flor NS

Sh Maroon-Char-Gry Fissil Ls Crm-Tan MicroxIn Micritic Barren No Odor No Stn No Flor NS



Mudco Ck @
4343' @
12:00 PM
12/13/13
Vis 58;
WT=9.4#;
PV= 18;
YP= 20;
WL= 9.0;
Cake= 1;
ChI=2000;
Cal = 80;
Sol=7.7%;
LCM= 0#;
DMC=\$
2,768.80
CMC=\$
9,494.90



4400

4450

4500

4550

Sh Maroon-Char-Gry Fissil Ls Crm-Tan MicroxIn Micritic Barren No Odor No Stn No Flor NS

Sh Maroon-Char-Gry -Blk Carb Fissil Ls Crm-Tan MicroxIn Micritic Barren No Odor No Stn No Flor NS

Ls Wht-Crm-Tan MxIn Micritic Barren Chalky Sh Gry- Grn- Aqua- Maroon (w/Pyr Inclus) Soft- Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Tan MicroxIn Micritic Barren Sh Blk Carb-Char-Gry-Grn-Aqua-Maroon Soft-Fissil No Odor No Stn No Flor NS

Ls Crm-Gry MicroxIn Micritic Barren Sh Char-Gry-Grn-Aqua- Maroon Soft-Fissil No Odor No Stn No Flor NS

Ls Crm-Gry MicroxIn Micritic Grad Poor Pin-Pt IxIn Por Barren Sh Char-Gry-Grn-Aqua- Maroon Soft- Fissil No Odor No Stn No Flor NS

Ls Crm-Gry MicroxIn Micritic Barren Sh Char-Gry-Grn-Aqua-Blk Carb Maroon Soft- Fissil No Odor No Stn No Flor NS

Sh Char-Gry-Blk Carb Tr Fissil Ls Wht-Crm-Tan-Gry MicroxIn Micritic Barren No Odor No Stn No Flor NS

Ls Crm-Gry MicroxIn Micritic Barren Sh Char-Gry-Grn-Aqua- Maroon-Blk Carb Maroon Soft- Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Tan MicroxIn-FxIn Micritic Barren Fos (Crim, Fuss) Sh Char-Grn/Gry Fissil No Odor No Stn No Flor NS

Sh Char-Gry-Blk Carb Tr Fissil Ls Wht-Crm-Tan-Gry (w/Pyr Inlus) MicroxIn Micritic Barren Fos (Fuss) Pyr Mass No Odor No Stn No Flor NS

FORT SCOTT 4487' (- 3097)

30" CFS @ 4510' Ls Wht FxIn Micrite (w/Tr Pyr Inclus) Fos (Fuss) Sh Blk Carb Fissil ? Sli Odor ? Min Flor (5% of Tray) No Stn ? Show

CHEROKEE SHALE 4597' (- 3107)

60" CFS @ 4510' Ls Wht FxIn Micrite (w/Tr Pyr Inclus) Fos (Fuss) Sh Blk Carb Fissil ? Sli Odor ? Min Flor (5% of Tray) No Stn ? Show

Ls Crm-Gry MicroxIn Micrite Dns Barren Sh Char-Gry-Blk Carb Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Gry MicroxIn Micrite Dns Barren Sh Char-Gry-Blk Carb-Brn (w/Pyr Inclus) Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Gry MicroxIn Micrite Dns Barren Grad Poor IxIn Gran Por Cht Wht Op Shp Vit Chalky Fos (Brach) Sh Char-Gry-Blk Carb Fissil No Odor No Stn No Flor NS

Sh Char-Gry-Blk Carb-Aqua (w/Carb Inclus) Fissil Ls Wht-Crm MicroxIn-FxIn (w/Pyr Inclus) Micrite Dns Barren Cht Wht Op Shp Vit Chalky No Odor No Stn No Flor NS

Ls Crm-Tan-Gry MiroxIn Micrite Dns Barren Pyr Mass Chalky Sh Char-Gry-Aqua Fissil No Odor No Stn No Flor NS

Sh Char-Gry-Blk Carb-Aqua Fissil Ls Crm-Tan-Gry MiroxIn Micrite Chalk No Odor No Stn No Flor NS

Ls Crm-Tan MicroxIn Micrite Barren Chalk Sh Char-Gry-Blk Carb- Aqua Fissil No Odor No Stn No Flor NS

Ls Crm-Tan MicroxIn Micrite Barren Chalk Sh Char-Gry-Blk Carb- Aqua Fissil No Odor No Stn No Flor NS

TG C1-C5 150

Scale Change TG C1-C5 300

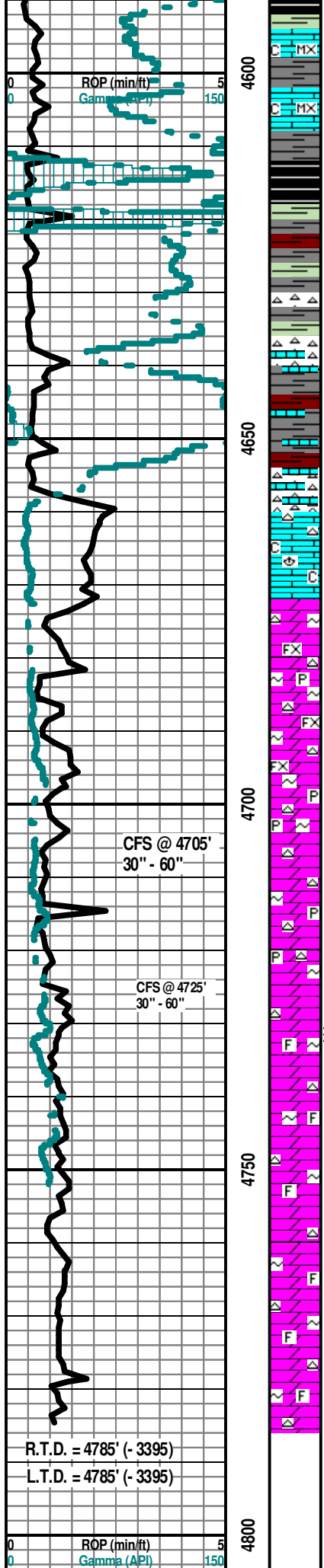
SH GAS KICK = 122 UNITS

GAS KICK = 77 UNITS

SH GAS KICK = 210 UNITS

Short Trip 40 Stands @ 4510'

Scale Change TG C1-C5 150



Ls Crm-Tan MicroIn Micrite Barren Chalk Sh Char-Gry-Blk Carb- Aqua Fissil No Odor No Stn No Flor NS

Ls Crm-Tan MicroIn Micrite Barren Chalk Sh Char-Gry-Blk Carb- Aqua Fissil No Odor No Stn No Flor NS

Sh Char-Gry-Blk Carb-Aqua Fissil Ls Crm-Tan-Gry MxIn Micrite Barren Chalk No Odor No Stn No Flor NS

Sh Varicolored Char-Gry-Blk Carb-Aqua-Maroon-Red Fissil Ls AA Wht FxIn Barren Chalk No Odor No Stn No Flor NS

Sh Varicolored Char-Gry-Blk Carb-Aqua-Maroon-Red Fissil Ls AA Wht FxIn Barren Chalk No Odor No Stn No Flor NS

Cht Wht Op Shp Vit Ls Crm-Tan MicroIn Micrite Grad FxIn Poor Pin-Pt IxIn Por Barren Chalk Sh Varicolored AA Aqua Inc No Odor No Stn No Flor NS

MISSISSIPPIAN 4654' (- 3264)

Cht Wht-Crm Trip Op Shp Vit w/ Fair SGFair Pin-Pt IxIn Por Fos (Brach) Ls Crm-Tan MiroxIn Micrite Barren Chalky Sh Vari- colored AA No Odor Trip (Few Pcs Drk Brn Stn) Sli Flor (Lt Grn) SG

MISS. SALEM (SPERGEN) 4673' (-3283)

30" CFS @ 4705' Dolo Crm-Tan FxIn Fair-Med Sucrosic (Salt & Pepper) Pin-Pt IxIn Por (w/GSG/FSO w/Glacu Includ) Soft Good IxIn Por Cht Wht Trip (w/GSG & SSO w/Broken) Pyr Mass Sh Variolord Fissil Dec Fair Flor (Lt Grn & Both Gas & Oil Do Flor) Dolo & Cht Lt Brn Scat Stn Good-Strong Odor GSG & SSO

60" CFS @ 4705' Dolo Crm-Tan FxIn Fair-Med Sucrosic (Salt & Pepper) Pin-Pt IxIn Por (w/GSG/SSO w/Glacu Includ) Soft Good IxIn Por Cht Wht Trip (w/GSG & SSO w/Broken) Pyr Mass Sh Variolord Fissil Dec Fair Flor (Lt Grn & Both Gas & Oil Do Flor) Dolo & Cht Lt Brn Scat Stn Good Odor GSG & SSFO

MISSISSIPPIAN WARSAW 4706 (- 3316)

30" CFS @ 4725' Dolo Crm-Tan FxIn Fair-Med Sucrosic (Salt & Pepper) V Small Pin-Pt IxIn Por (w/SG/SSO w/Glacu Includ) Soft Fair IxIn Por Cht Wht-Lt Brn Trip (w/Good Vug Leaching Por w/GSG & SSO w/Broken Hvy Brn Stn) Pyr Mass Sh Variolord Fissil AA Both Dolo/Cht Have Fair Inc Flor (Lt Grn & 20% of Tray) Scat Lt Brn Stn Good Odor SG & SSFO

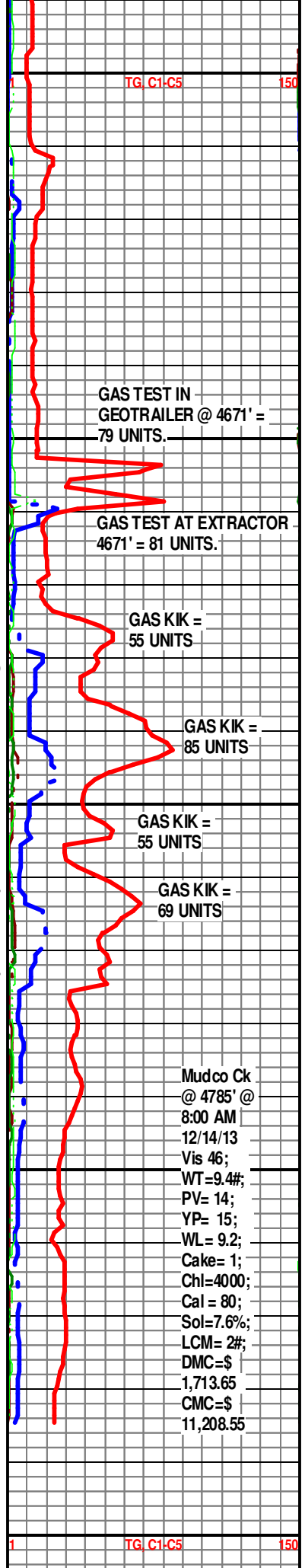
60" CFS @ 4725' Dolo Crm-Tan FxIn Fair-Med Sucrosic (Salt & Pepper) V Small Pin-Pt IxIn Por (w/SG/SSO w/Glacu Includ) Soft Fair IxIn Por Cht Wht-Lt Brn Trip (w/Good Vug Leaching Por w/GSG & SSO w/Broken Hvy Brn Stn) Pyr Mass Sh Variolord Fissil AA Both Dolo/Cht Have Fair Inc Flor (Lt Grn & 20% of Tray) Scat Lt Brn Stn Good Odor SG & SSFO

Dolo Wht-Crm-Tan FxIn Fair-Med IxIn Sucrosic Por (w/SSG & SSFO) Cht Bone Wht-Gry (w/Fos (Abd Spicule Includ) Op Shp Vit (w/SG & SO) Trip Good Leaching Por (w/SG & SO) Drk Blk Gillsonitic Stn Sh AA Tr Flor (Lt Grn) Dec Scat Lt Brn Stn Tr Faint Dec Odor SSG & SSO Dec

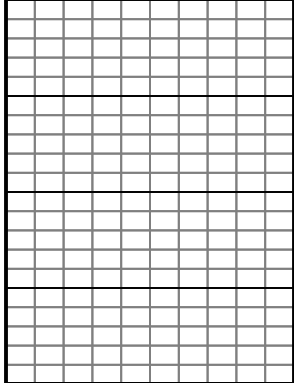
30" CFS @ 4785' Dolo Wht-Crm-Tan FxIn Fair IxIn Sucrosic Por (w/Glacu Includ) Cht Wht-Gry Op Shp Vit Trip Dec Poor-Fair Leaching Por Drk Blk Gillsonitic Stn (Few Pcs) Sh AA ? Scatt Flor (Lt Grn) ? Scat Lt Brn Stn ? Faint Dec Odor NS

60" CFS @ 4785' Dolo Wht-Crm-Tan FxIn Fair IxIn Sucrosic Por (w/Glacu Includ) Cht Wht-Gry Op Shp Vit Trip (Fos (Spicule) Poor Leaching Por Sh AA No Flor ? Scat Lt Brn Stn No Odor NS

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



Geologist Left Location at: 7:00 PM on 12/14/2013



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