



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

Well Name: KOEHN "E" #1-20
API: # 15 - 119 - 21,383 - 00 - 00
Location: SW-SE of Sec. 20 - T. 30 S. - R. 30 W.
License Number: KCC # 5003
Spud Date: 12/27/2014
Surface Coordinates: SPOT: 660' FSL & 1980' FEL

Region: MEADE CO., KS.
Drilling Completed: 01/03/2015

**Bottom Hole
Coordinates:**
Ground Elevation (ft): 2810' **K.B. Elevation (ft):** 2821'
Logged Interval (ft): 697' **To:** 5600' **Total Depth (ft):** 5600'
Formation: MISSISSIPPIAN " STE. GEN"
Type of Drilling Fluid: CHEMICAL/POLYMER/GEL & MUD DISPLACEMENT @ 2874'.

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

CASING & DEVIATION

Surface Casing: Spud at 5:15 pm on 12/27/14. Drilled 12-1/4" to 692'. Ran 16 joints of new 24#, 8-5/8" casing. Tallied Set at 692' KB. Welded straps on shoe, bottom 3 joints and top 2 joints. Tacked collars on the remainder. 676.56' (3) Centralizers on joints 2-5-14. Cemented with 180 sks 65/35 POZ; 6% Gel; 3% CC; 1/4# FS. Tailed with 200 sks Class A; 3% CC; 1/4# FS. Cement did not circulate. Plug down at 12:00 pm on 12/28/14. Ran 120' of 1" tubing down annulus and cemented with 200 sks Class A, 3% CC, 1/4#v FS. Cemented to cellar. Allied Cementing ticket #064584. Cement did hold at ground level.

Deviation Survey's Taken: @ 697' = 3/4 degree; @ 5600' = 2 degrees.

DSTs

None Taken.


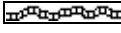
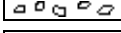

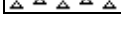
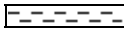









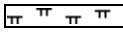


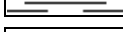
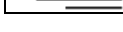
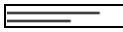


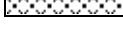
Comments

After review of all geologic samples as examined and analysis from the electric logs run, it was determined by all parties that 4 1/2" production casing should be run in order to further evaluate this well.











































































Respectfully submitted,

David P. Williams, P. G # 88 Kansas
























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
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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	TEXTURE  Boundst  Chalky  Cryxln  Earthy  Finexln  Grainst  Lithogr  Microxln  Mudst  Packst  Wackest
			STRINGER  Anhy  Arg  Bent  Coal  Dol  Grysh  Gyp  Ls  Mrst  Sltstrg  Ssstrg		

OTHER SYMBOLS

POROSITY  Earthy  Fenest  Fracture  Inter  Moldic  Organic  Pinpoint	 Vuggy	SORTING  Well  Moderate  Poor	ROUNDING  Rounded  Subrnd  Subang  Angular	 Even  Spotted  Ques  Dead	EVENT  Rft  Sidewall	
			OIL SHOW  Gas show	INTERVAL  Core  Dst		

Curve Track 1

ROP (min/ft) ———
Gamma (API) - - - - -

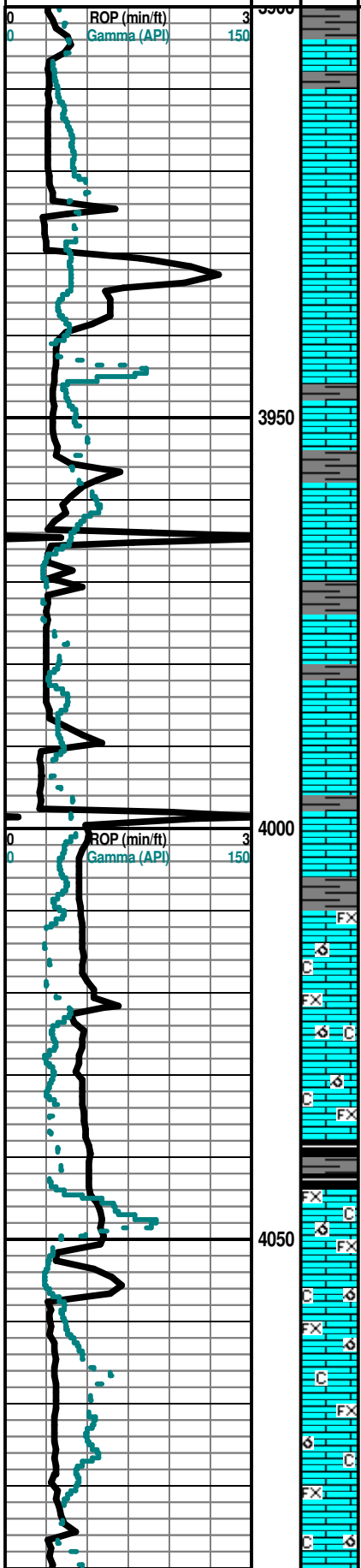
Depth (ft)

Oil Shows

Geological Descriptions

TG, C1-C5

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



McCOY PETROLEUM CORPORATION

KOEHN "E" # 1-20

SPOT: 660' FSL & 1980' FEL

SW - SE

Sec. 20 - T. 30 S. - R. 30 W.

MEADE COUNTY, KANSAS

A.P.I. # 15 - 119 - 21,383 - 00 - 00

ELEVATION : 2821' K. B. ; 2810' G. L.

CONTRACTOR: STERLING DRILLING - RIG # 2

GEOLOGIST: David P. Williams, P. G.

Geologist on location at 3315' @ 5:25 PM 12-30-14

STONE CORRAL ANHYDRITE SAMPLE TOP = 1754' (+1067).

STONE CORRAL ANAYDRITE SAMPLE BASE = 1763' (+1058).

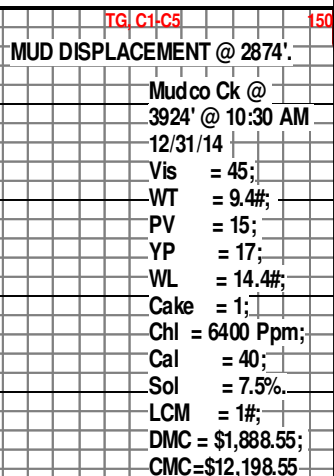
Deviation Survey's Taken: @ 697' = 3/4 degree; @ 5600' = 2 degrees.

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

Begin 31' Sample Examination @ 4052'.

Ls Wht-Crm Fxln Poor OOM Por Poor Develop Poor Dissolu Poor Leaching
Grad Micrite Barren Chalk (V Abd) Sh Char-Gry Soft No Odor No Stn No Flor
NS

Ls Wht-Crm Fxln Poor OOM Por Poor Develop Poor Dissolu Poor Leaching
Grad Micrite Barren Chalk (V Abd) Sh Char-Gry Soft No Odor No Stn No Flor
NS



MUD DISPLACEMENT @ 2874'.

Mudco Ck @

3924' @ 10:30 AM

12/31/14

Vis = 45;

WT = 9.4#;

PV = 15;

YP = 17;

WL = 14.4#;

Cake = 1;

Chl = 6400 Ppm;

Cal = 40;

Sol = 7.5%.

LCM = 1#;

DMC = \$1,888.55;

CMC=\$12,198.55

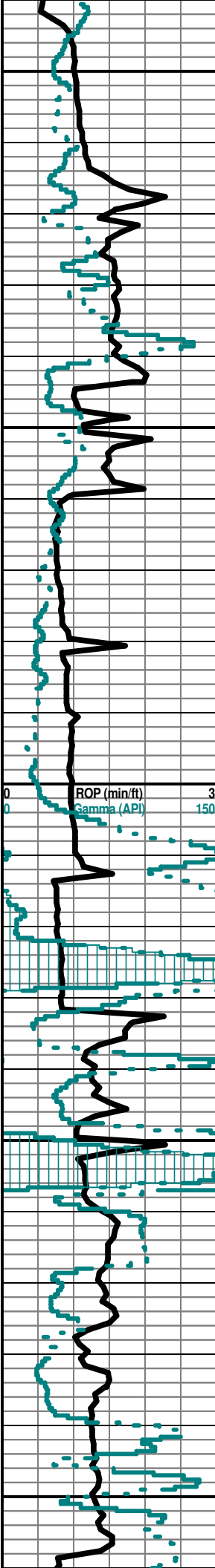
4100

4150

4200

4250

4300



Ls Gry-Crm FxIn Dns Micrite Poor OOM Por Poor Develop Poor Dissolu
 Poor Leaching Grad Micrite Barren Chalk (V Abd) Sh Char-Gry Soft No Odor
 No Stn No Flor NS

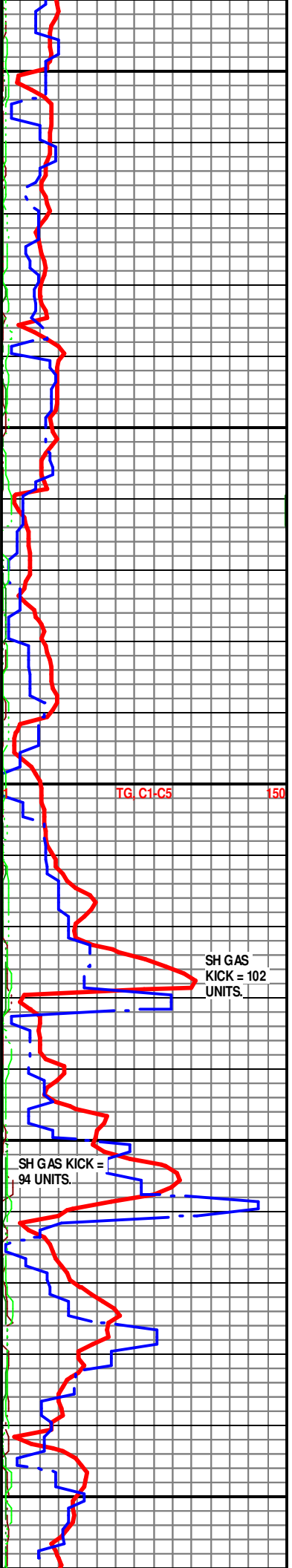
Ls Wht-Crm-Gry FxIn Micrite Barren Grad Poor Pin-Pt IxIn Por Chalk (V Abd)
 Sh Blk Carb-Char-Gry-Drk Gry Soft No Odor No Stn No Flor NS

Ls Wht-Crm-Gry FxIn Micrite Barren Grad Poor Pin-Pt IxIn Por Chalk (V Abd)
 Sh Char-Gry-Drk Gry Soft No Odor No Stn No Flor NS

Sh Blk Carb-Char-Gry (w/Pyr Inklus) Fissil Ls Wht-Crm-Gry FxIn Dns Micrite
 Chalk No Odor No Stn No Flor NS

Sh Blk Carb-Char-Gry (w/Pyr Inklus) Fissil Ls Wht-Crm-Gry FxIn Dns Micrite
 Chalk No Odor No Stn No Flor NS

Sh Char-Gry Soft-Fissil Ls Wht-Crm-Gry FxIn Dns Micrite Grad Pin-Pt IxIn
 Por Cht Amber-Wht Op Shp Vit Chalk (V Abd) No Odor No Stn No Flor NS

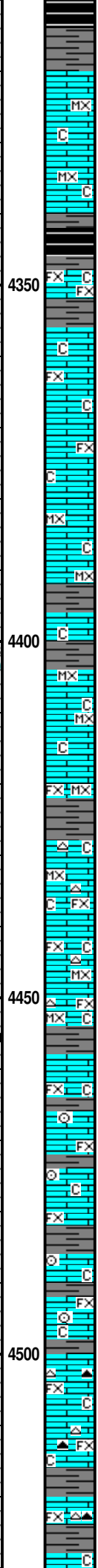
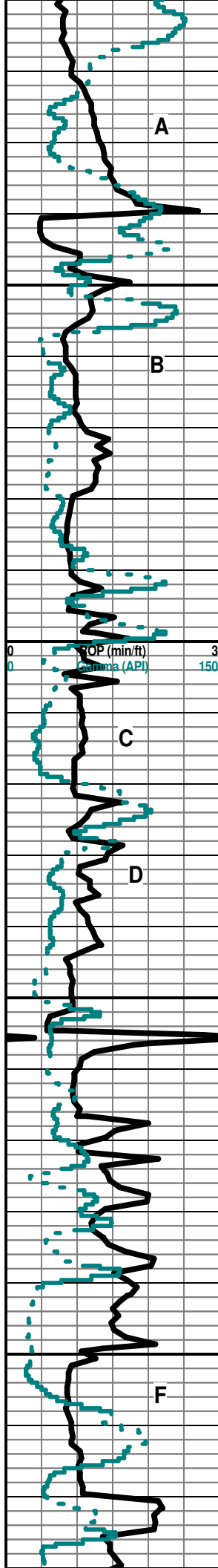


HEEBNER 4252' (- 1431)

TORONTO 4270' (- 1449)

DOUGLAS 4292' (- 1471)

LANSING 4320' (- 1199)



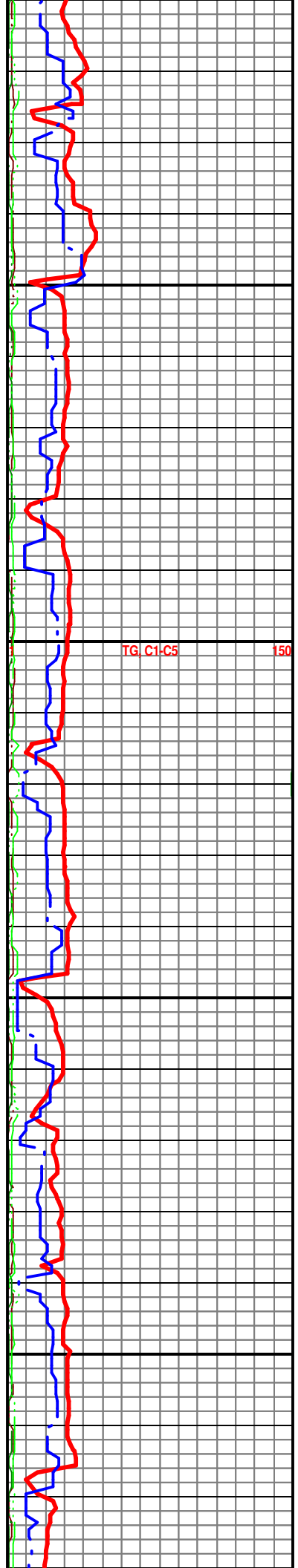
Ls Wht-Gry MicroxIn-FxIn Micrite Barren Grad Poor Pin-Pt IxIn Por Chalk (V Abd) Sh Blk Carb-Char-Gry Fissil Soft No Odor No Stn No Flor NS

Ls Wht-Crm MicroxIn Dns Micrite Barren Grad Poor IxIn Por Chalk (Abd) Sh Char-Gry Soft- Fissil No Odor No Stn No Flor NS

Ls Wht-Crm MicroxIn Dns Micrite Barren Grad Poor IxIn Por Chalk (Abd) Sh Char-Gry Soft- Fissil No Odor No Stn No Flor NS

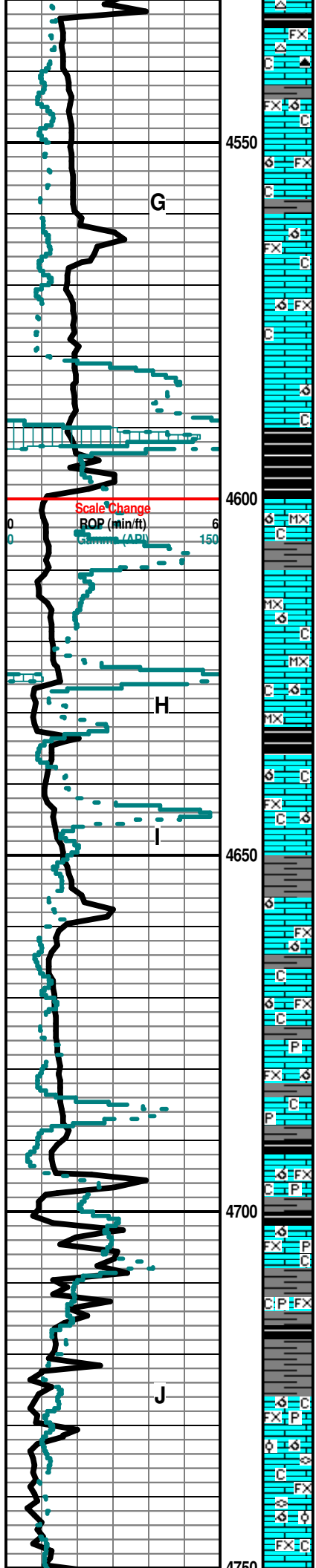
Ls Crm-Gry MicroxIn-FxIn Micrite Barren Barren Cht Amber-Tan- Gry Translu Shp Vit Chalk (V Abd) Sh Char-Gry-Blk Carb Fissil-Soft No Odor No Stn No Flor NS

Ls Crm-Tan-Gry FxIn Dns Micrite Barren Cht Amber Translu Shp Vit Fos (Crin) Pyr Mass Chalky (Abd) Sh Char-Drk Gry No Odor No Flor No Stn NS



TG C1-C5

150



Ls Wht-Crm-Gry FxIn Dns Micrite Barren Cht Wht-Dk Gry Translu- Op Shp Vit Chalk (V Abd) Sh Blk Carb-Char-Gry Fissil-Soft No Odor No Stn No Flor NS

Ls Tan-Wht-Crm FxIn Poor OOM Por Poor InterOOM Por Barren Chalk (V Abd) Sh Blk Carb-Char-Gry Fissil-Soft No Odor No Stn No Flor NS

Sh Blk Carb-Char-Gry Fissil-Soft Ls Wht-Crm-Tan FxIn Dns Micrite Grad Med-Poor OOM Por Barren Poor InterOOM/OOL Por Poor Dissolu Cht Wht Op Shp Vit Chalk (V Abd) No Odor No Flor No Stn NS

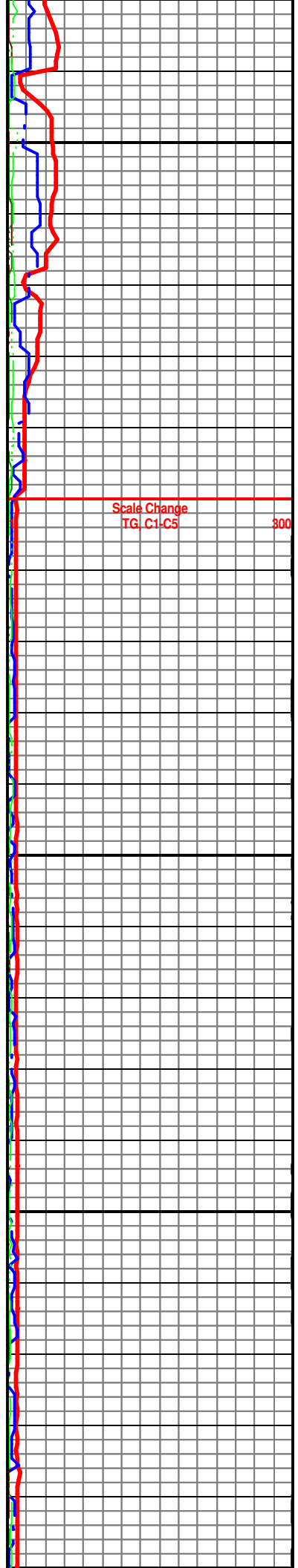
LANSING "G" 4610' (- 1789)

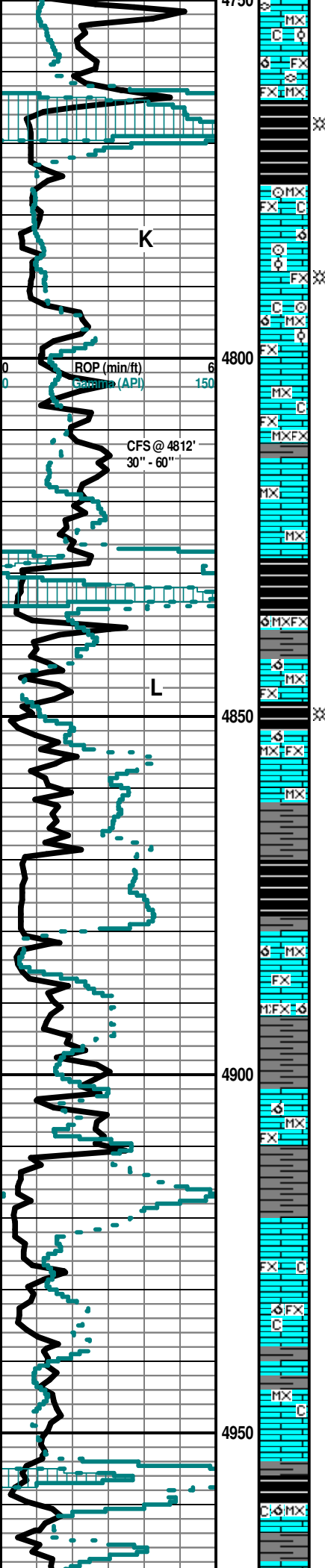
Ls Wht-Crm-Gry MicroXIn Dns Micrite Poor IxIn Por Barren Grad Med OOM Por AA Barren Cht Wht-Gry Translu-Op Shp Vit Chalk Sh Blk Carb-Char-Gry Fissil-Soft No Odor No Flor No Stn NS

Ls Wht-Crm FxIn Dns Micrite Poor IxIn Por Barren Grad Med OOM Por AA Barren Cht Wht-Gry Translu-Op Shp Vit Chalk Sh Blk Carb-Char-Gry Fissil-Soft No Odor No Flor No Stn NS

Ls Crm-Tan FxIn Dns Micrite Poor IxIn Por Barren Grad Poor OOM Por Barren Grad Poor Ppt IxIn Por (w/Pyr Inclus) Chalk V Abd Sh Blk Carb-Char Soft No Odor No Flor No Stn NS

Sh Blk Carb-Char Soft-Fissil Ls Crm-Tan FxIn Dns Micrite Poor IxIn Por Barren Grad Poor OOM Por Barren Grad Poor Ppt IxIn Por (w/Pyr Inclus) Chalk V Abd No Odor No Flor No Stn NS





30" CFS @ 4812' Ls Wht-Crm MicroxIn Dns Micrite Grad FxIn Poor OOM Por (w/Small OOids in pl) Poor Leaching Poor Develop Barren Cht Gry Op Shp Vit Fos (Fuss) Chalk (Abd) Sh Char-Gry Fissil No Odor No Stn No Flor NS

STARK SHALE 4765' (- 1944)

KANSAS CITY "SWOPE" 4776' (- 1955)

60" CFS @ 4812' Ls Wht-Crm MicroxIn Dns Micrite Grad FxIn Poor OOM Por (w/Small OOids in pl) Poor Leaching Poor Develop Barren Cht Gry Op Shp Vit Fos (Crin) Chalk (Abd) Sh Blk Carb-Char-Gry Fissil ? Faint Odor No Stn No Flor NS

Ls Crm-Tan MicroxIn Dns Micrite (w/Pyr Includ) Grad Poor Ppt lXIn Por Barren Cht Wht-Gry (Banded) Translu-Op Shp Vit Sh Blk Cab-Char Fissil No Odor No Stn No Flor NS

HUSHPUCKNEY SHALE 4829' (- 2008)

KANSAS CITY "HERTHA (L)" 4837' (- 2016)

KANSAS CITY "HERTHA Ø" 4842' (-2021)

Sh Blk Carb-Char-Gry Fissil-Soft Ls Wht-Crm-Gry FxIn Dns Mostly Micrite Poor lXIn Por Barren Grad Fair-Med OOM Por Poor-Fair InterOOM Por Poor Leaching Fair Develop AA Cht Wht-Gry Translu-Op Shp Vit Chalky No Odor No Flor No Stn NS

BASE KANSAS CITY 4864' (- 2043)

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

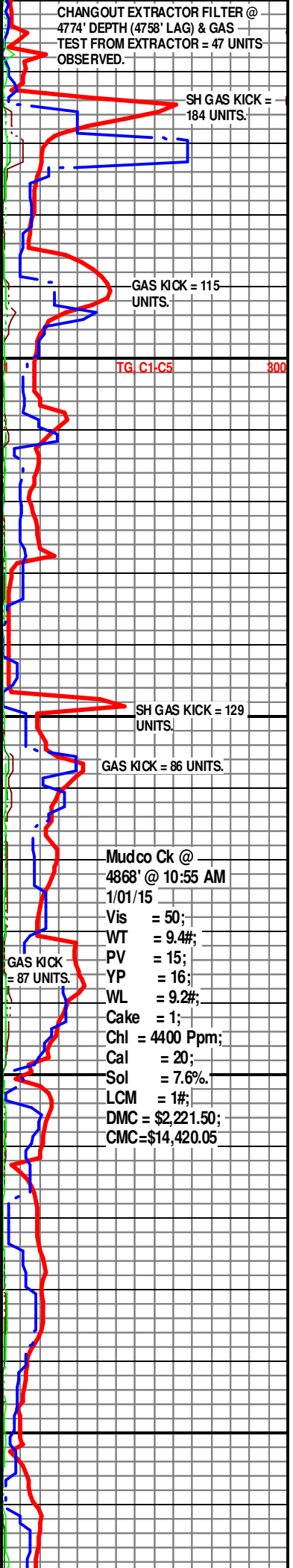
Sh Char-Gry Fissil (Abd) Ls Wht-Crm-Tan-Gry MicroxIn Dns Micritic Barren Grad FxIn Poor-Fair OOM Vug Por Poor Leaching Cht Wht-Tan-Gry Op Shp Vit No Odor No Flor No Stn NS

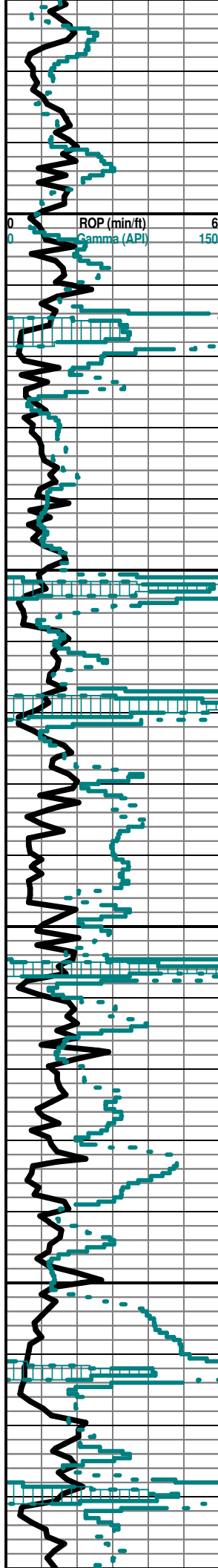
MARMATON 4922' (- 2101)

Ls Crm-Wht-Tan-Gry FxIn Poor lXIn Por Micritic Dns Barren Grad Fair-Med OOM Vug Por Chalky Sh Char-Gry Soft-Fissil No Odor No Flor No Stn NS

MARMATON "B" 4960' (- 2139)

Ls Wht-Crm MicroxIn Dns Micritic Barren Grad FxIn Ppt lXIn Por Grad Poor OOM Por Poor Develop Poor Dissolu Chalk Sh Char-Gry Soft-Fissil No Odor No Flor No Stn NS





5000
5050
5100
5150



Ls Wht-Crm MicroIn Dns Micritic Barren Cht Amber Translu Shp Vit Chalk
Sh Char-Gry Soft-Fissil No Odor No Flor No Stn NS

BANDERA SHALE 5016' (- 2195)

PAWNEE 5021' (- 2200)

Sh Blk-Carb-Char-Gry Soft-Fissil Ls Wht-Crm-Gry FxIn Poor IxIn Pin-Pt Por
Micritic Dns Barren Cht Wht-Peach Translu-Op Shp Vit Chalk No Odor No
Flor No Stn NS

LABETTE SHALE 5050' (- 2229)

FORT SCOTT 5056' (-2235)

Sh Blk Carb-Char-Gry Soft-Fissil Ls Wht-Gry FxIn Dns Micritic Barren Grad Poor IxIn Ppt Por
Chalk Pyr Mass No Odor No Flor No Stn NS

CHEROKEE SHALE 5068' (- 2247)

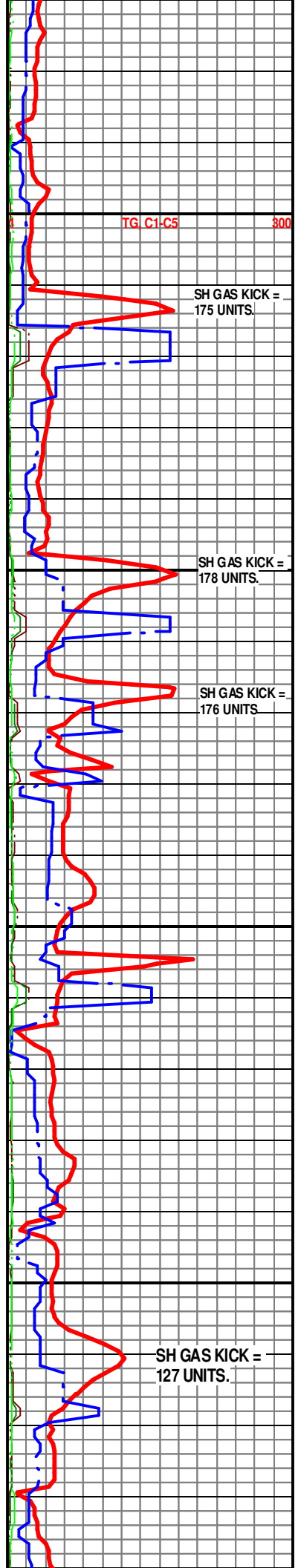
Sh Blk Carb-Char-Gry Fissil Ls Crm-Tan MicroIn Dns Micritic Barren Cht
Wht Op Shp Vit Chalk Sh Char-Gry Fissil No Odor No Flor No Stn NS

SECOND CHEROKEE SHALE 5106' (- 2285)

Ls Crm-Wht-Tan FxIn Poor IxIn Por Micritic Dns Barren Cht Wht Translu-Op
Shp Vit Chalk (V Abd) Sh Blk Carb-Gry Fissil No Odor No Flor No Stn NS

THIRD CHEROKEE SHALE 5154' (- 2333)

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



TG, C1-C5

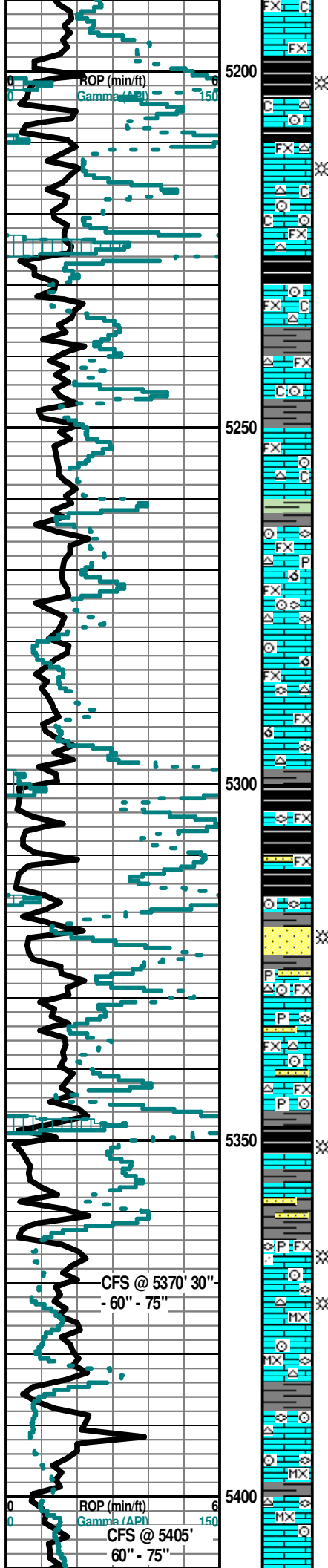
300

SH GAS KICK = 175 UNITS.

SH GAS KICK = 178 UNITS.

SH GAS KICK = 176 UNITS.

SH GAS KICK = 127 UNITS.



Ls Crm-Wht-Tan FxIn Por Micritic Dns Barren Cht Wht Translu-Op Shp Vit Chalk (V Abd) Sh Blk Carb-Gry Fissil No Odor No Flor No Stn NS

Ls Crm-Wht-Tan FxIn Dns Micritic Grad Poor Ppt Pt IxIn Por Cht Tan-Gry Translu-Op Shp Vit Fos (Crin) Sh Char-Gry-Tr Blk Carb-Aqua Fissil No Odor No Flor No Stn NS

Begin 10' Sample Examination @ 5300'.

Ls Crm-Wht-Tan FxIn Dns Micritic Grad Poor Ppt Pt IxIn Por Cht Tan-Gry Translu-Op Shp Vit Fos (Crin) Sh Char-Gry-Tr Blk Carb- Aqua Fissil No Odor No Flor No Stn NS

Ls Crm-Wht-Tan FxIn Dns Micritic Grad Poor Ppt Pt IxIn Por Grad Poor OOM Por Cht Wht-Gry (w/ Fos (Fuss) Includ) Translu-Op Shp Vit Fos (Crin, Fuss) Pyr Mass Sh Char-Gry-Tr Blk Carb Fissil No Odor No Flor No Stn NS

Ls Crm-Wht-Tan FxIn Dns Micritic Grad Poor Ppt Pt IxIn Por Grad Poor OOM Por Cht Wht-Gry (w/ Fos (Fuss) Includ) Translu-Op Shp Vit Fos (Crin, Fuss) Sh Char-Gry-Tr Blk Carb Fissil No Odor No Flor No Stn NS

Ls Crm-Wht-Tan FxIn Dns Micritic Grad Poor Ppt Pt IxIn Por Grad Poor OOM Por Cht Wht-Gry (w/ Fos (Fuss) Includ) Translu-Op Shp Vit Fos (Crin, Fuss) Sh Char-Gry-Tr Blk Carb Fissil No Odor No Flor No Stn NS

Ls Crm-Wht-Tan FxIn Dns Micritic Grad Poor Ppt Pt IxIn Por Grad Poor OOM Por Cht Wht-Gry (w/ Fos (Fuss) Includ) Translu-Op Shp Vit Fos (Crin, Fuss) Sh Char-Gry-Tr Blk Carb Fissil No Odor No Flor No Stn NS

ATOKA SHALE 5298' (- 2477)

Sh Blk Carb-Char (w/Pyr Includ)-Gry Fissil Ls Wht-Crm-Gry MicroxIn-FxIn Dns Micrite Grad Poor Ppt IxIn Por Fos (? Fuss) Chalky No Odor No Flor No Stn NS

Sh Blk Carb-Char (w/Pyr Includ)-Gry Fissil Ls Wht-Crm-Gry MicroxIn-FxIn Dns Micrite Grad Poor Ppt IxIn Por Qtz Ss Brn (5 Pc) VFG Ang-Sub Ang (mU = 250- 350 Microns = 2.0 - 1.5 Ø) Well Sort Good Igran Por (w/GSG & Gas Does Not Flor) Cht Amber Translu Shp Vit Fos (Crin, Fuss) Chalky ? Faint Odor Sli ? Min Flor Lt Brn Stn in Ss SSG

30" CFS @ 5370' Ls Wht-Crm-Gry MicroxIn-FxIn Dns Micrite Grad Poor Ppt IxIn Por Qtz Ss Brn (8 Pc) VFG Ang-Sub Ang (mU = 250- 350 Microns = 2.0 - 1.5 Ø) Well Sort Friable Good Igran Por (w/GSG & Gas Does Not Flor) Cht Amber Translu Shp Vit Fos (Crin, Fuss) Chalky Pyr Mass Sh Blk Carb-Char (w/Pyr Includ)-Gry Fissil Fair Odor Sli ? Min Flor Lt Brn Stn in Ss GSG

60" CFS @ 5370' Ls Wht-Crm-Gry MicroxIn-FxIn Dns Micrite Grad Poor Ppt IxIn Por Qtz Ss Wht (Tr 4 Pc) VFG Ang-Sub Ang (mU = 250- 350 Microns = 2.0 - 1.5 Ø) Well Sort Hvy CaCO3 Cmt Matrix (w/ Pyr & Glacu Includ) Poor Igran Por Cht Amber Translu Shp Vit Fos (Crin) Chalky Pyr Mass Sh Char-Drab Grn/Gry Fissil Fair Odor Sli ? Min Flor Lt Brn Stn in Ss SSG

MORROW SHALE 5346' (- 2425)

Sh Blk -Char Fissil Ls AA No Odor No Flor No Stn NS

MISSISSIPPIAN CHESTER 5362' (- 2541)

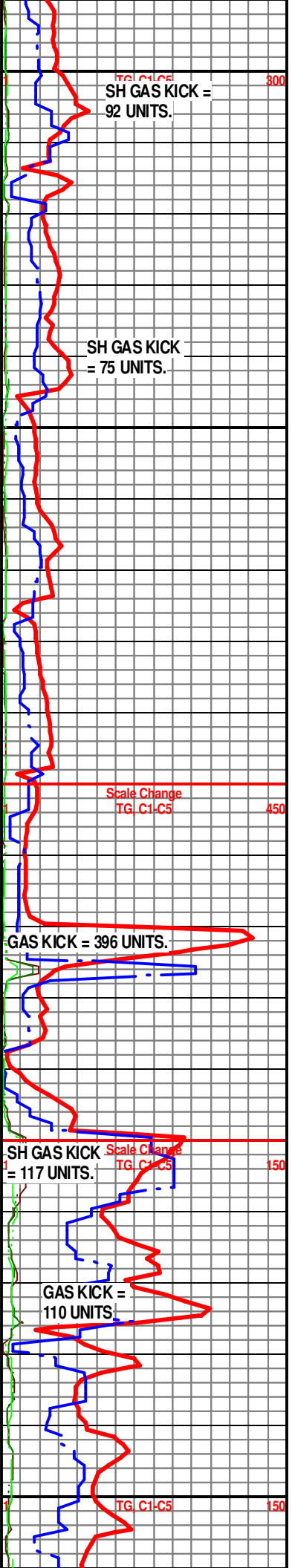
75" CFS @ 5370' Ls AA Tr Qtz Ss AA (w/SSG) Fos (Fuss) Pyr Mass Sh Char-Grn/Gry AA Faint Odor ? Min Flor Lt Brn Stn AA VSSG

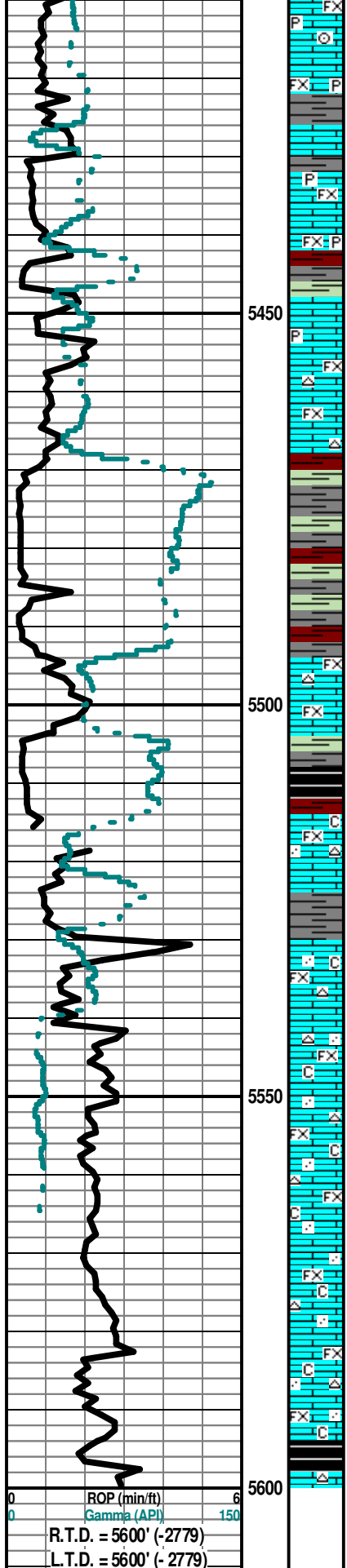
Ls Wht-Crm-Tan-Gry MicroxIn Dns Micrite Cht Wht-Gry Op Shp Vit Tr Qtz Ss (w/SSG) AA Fos (Crin, Fuss) Sh Blk Carb-Char-Gry Fissil Sli ? Flor No Stn Faint Odor SG & SSO

60" CFS @ 5405' Ls Wht-Crm-Tan-Gry MicroxIn Dns Micrite Cht Wht-Gry Op Shp Vit Tr Qtz Ss Drk Brn (w/SSG & SSO) AA Fos (Crin, Fuss) Sh Blk Carb-Char-Gry Fissil Sli ? Flor No Stn Faint Odor SG & SSO

75" CFS @ 5405' Ls Wht-Crm-Tan-Gry MicroxIn Dns Micrite Cht Wht-Gry Op Shp Vit Tr Qtz Ss Drk Brn (w/SSG & SSO) AA Fos (Crin, Fuss) Sh Blk Carb-Char-Gry Fissil Sli ? Flor No Stn Faint Odor SG & SSO

Ls Wht-FxIn Dns Micrite Grad Fair Pin-Pt IxIn Por (w/Pvr Includ) Fos (Crin)





Pyr Mass Abd Sh Char-Gry- Drab Grn-Blk Carb Fissil No Odor No Flor NS

Ls Wht-FxIn Dns Micrite Grad Fair Pin-Pt IxIn Por (w/Pyr Inclus) Pyr Mass Abd Sh Char-Gry- Drab Grn-Blk Carb Fissil No Odor No Flor NS

Ls Wht-FxIn Dns Micrite Grad Fair Pin-Pt IxIn Por (w/Pyr Inclus) Pyr Mass Abd Sh Char-Gry- Drab Grn-Blk Carb Fissil No Odor No Flor NS

Ls Wht-FxIn Dns Micrite Grad Fair Pin-Pt IxIn Por (w/Pyr Inclus) Pyr Mass Abd Sh Char-Gry- Drab Grn-Blk Carb Fissil No Odor No Flor NS

Ls Wht-FxIn Dns Micrite Grad Fair Pin-Pt IxIn Por (w/Pyr Inclus) Pyr Mass Abd Sh Char-Gry- Drab Grn-Blk Carb Fissil No Odor No Flor NS

Sh Vari-Colored Aqua-Maroon-Yell-Purp-Char-Blk Carb (Wash Red) Soft-Fissil Abd Ls Wht-Crm FxIn Micrite Grad Fair IxIn Por Barren Cht Amber Translu Vit Shp No Odor No Stn No Flor

Sh Vari-Colored Aqua-Maroon-Yell-Purp-Char-Blk Carb (Wash Red) Soft-Fissil Abd Ls Wht-Crm FxIn Micrite Grad Fair IxIn Por Barren Cht Amber Translu Vit Shp No Odor No Stn No Flor

Sh Vari-Colored Aqua-Maroon-Yell-Purp-Char-Blk Carb (Wash Red) Soft-Fissil Abd Ls Wht-Crm FxIn Micrite Grad Fair IxIn Por Barren Cht Amber Translu Vit Shp No Odor No Stn No Flor

Sh Vari-Colored Aqua-Maroon-Yell-Purp-Char-Blk Carb (Wash Red) Soft-Fissil Abd Ls Wht-Crm FxIn Micrite Grad Fair IxIn Por Barren Cht Amber Translu Vit Shp No Odor No Stn No Flor

Sh Vari-Colored Aqua-Maroon-Yell-Purp-Char-Blk Carb (Wash Red) Soft-Fissil Abd Ls Wht-Crm FxIn Micrite Grad Fair IxIn Por Barren Cht Amber Translu Vit Shp No Odor No Stn No Flor

MISSISSIPPIAN "STE. GEN" 5516' (- 2695)

Ls Wht-Gry FxIn Poor "Sandy Ls" (w/Small Qtz Ss Inclus) Wht-Crm- Tan VFGm Ang-Sub Ang Inclus (fL=125-177 Microns= 3.0-2.25 Ø) Barren Grad Crm-Tan-Gry FxIn Dns Micrite Chalky Sh Char-Blk Carb-Gry-Drab Grn-Aqua-Red (Wash Red) Fissil No Odor No Stn No Flor NS

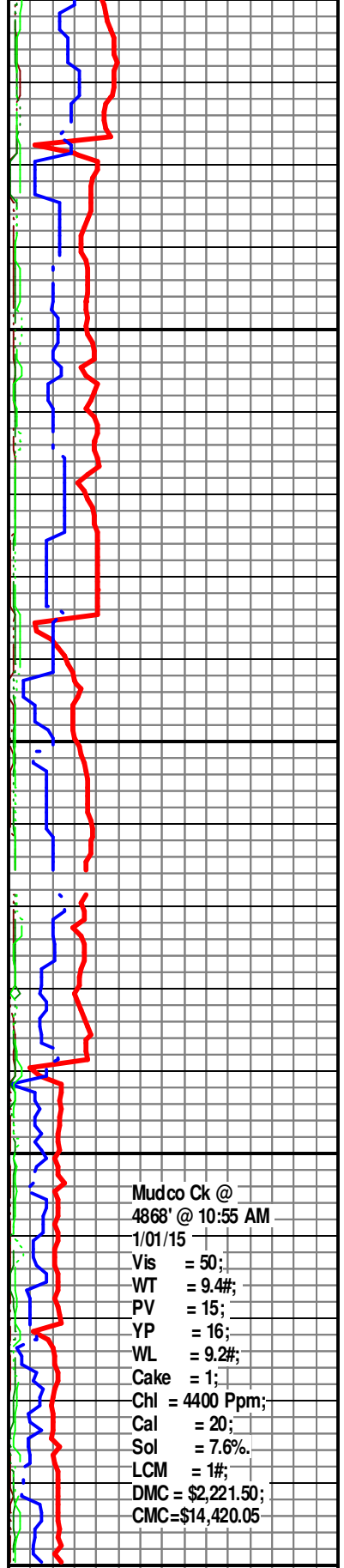
Ls Wht-Gry FxIn Poor "Sandy Ls" (w/Small Qtz Ss Inclus) Wht-Crm-Tan VFGm Ang-Sub Ang Inclus (fL=125-177 Microns= 3.0-2.25 Ø) Barren Grad Crm-Tan-Gry FxIn Dns Micrite Chalky Sh Char-Blk Carb-Gry-Drab Grn-Aqua-Red (Wash Red) Fissil No Odor No Stn No Flor NS

Ls Wht-Gry FxIn Poor "Sandy Ls" (w/Small Qtz Ss Inclus) Wht-Crm-Tan VFGm Ang-Sub Ang Inclus (fL=125-177 Microns= 3.0-2.25 Ø) Barren Grad Crm-Tan-Gry FxIn Dns Micrite Chalky Cht Lt Tan Op Shp Vit Sh Char-Blk Carb-Gry-Drab Grn- Aqua-Red Fissil No Odor No Stn No Flor NS

Ls Wht-Gry FxIn Poor "Sandy Ls" (w/Small Qtz Ss Inclus) Wht-Crm-Tan VFGm Ang-Sub Ang Inclus (fL=125-177 Microns= 3.0-2.25 Ø) Barren Grad Crm-Tan-Gry FxIn Dns Micrite Cht Lt Tan Op Shp Vit Chalky Sh Char-Blk Carb-Gry-Drab Grn- Aqua-Red (Wash Red) Fissil No Odor No Stn No Flor NS

30" CFS @ 5600' Ls Wht-Gry FxIn Poor "Sandy Ls" (w/Small Qtz Ss Inclus) Wht-Crm-Tan VFGm Ang-Sub Ang Inclus (fL=125-177 Microns= 3.0-2.25 Ø) Barren Grad Crm-Tan-Gry FxIn Dns Micrite Cht Red Op Shp Vit Chalky Sh Char-Gry-Drab Grn-Aqua-Red Fissil No Odor No Stn No Flor NS

60" CFS @ 5600' Ls Wht-Gry FxIn Poor "Sandy Ls" (w/Small Qtz Ss Inclus) Wht-Crm-Tan VFGm Ang-Sub Ang Inclus (fL=125-177 Microns= 3.0-2.25 Ø) Barren Grad Crm-Tan-Gry FxIn Dns Micrite Cht Lt Tan Op Shp Vit Chalky Sh Char-Blk Carb-Gry-Drab Grn- Aqua-Red (Wash Red) Fissil No Odor No Stn No Flor NS



Mudco Ck @
 4868' @ 10:55 AM
 1/01/15
 Vis = 50;
 WT = 9.4#;
 PV = 15;
 YP = 16;
 WL = 9.2#;
 Cake = 1;
 Chl = 4400 Ppm;
 Cal = 20;
 Sol = 7.6%
 LCM = 1#;
 DMC = \$2,221.50;
 CMC=\$14,420.05

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

GEOLOGIST LEFT LOCATION AT: 4:30 PM on 1/03/2015

5650

5700