

MUD LOG
WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: WHITAKER "A" #1-8
API: 15-119-21,375-00-00
Location: NW - SW of Sec. 8 - T. 30 S. - R. 30 W.
License Number: KCC # 5003
Spud Date: 10/17/2014
Surface Coordinates: SPOT: 1980' FSL & 660' FWL
Region: MEADE CO., KS.
Drilling Completed: 10/23/14

Bottom Hole
Coordinates:
Ground Elevation (ft): 2814' K.B. Elevation (ft): 2825'
Logged Interval (ft): 1783' To: 5700' Total Depth (ft): 5700'
Formation: MISSISSIPPIAN "ST. LOUIS"
Type of Drilling Fluid: CHEMICAL/POLYMER/GEL. & MUD DISPLACEMENT @ 2930'.

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. P.G. #88 KSBTP
Company: DW ENERGY, LLC (DWE)
Address: 312 N. BROADVIEW STREET
WICHITA, KANSAS 67208

CASING & DEVIATION

Spud at 2:30 AM on 10/17/14. Drilled 12-1/4" to 1830'. Ran 43 joints of new 24#, 8-5/8" casing. Tallied 1770.59'. Set at 1783' KB. Welded straps on shoe, bottom 3 joints and top 2 joints. Tacked collars on the remainder. (4) Centralizers on joints 1-3-5-7. Float insert in top of 1st joint. Cemented with 675 sks Class A 3% CC, 6% Gel 1/4# FS. Tailed with 200 sks Class A; 3% CC; 1/4# FS. Cement did circulate. Plug down at 6:00 PM on 10/18/14. Basic Cementing ticket #61663.

Deviation Survey's Taken: @ 1830' = 1 degree; @ 5700' = 3/4 degree.

DSTs

NONE TAKEN.


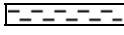

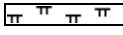
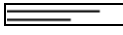
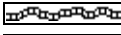




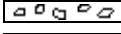




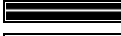


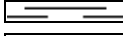

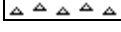


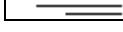
Comments

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

Respectfully submitted,

















David P. Williams, P. G # 88 Kansas














ROCK TYPES

 Anhy	 Clyst	 Gry sh	 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
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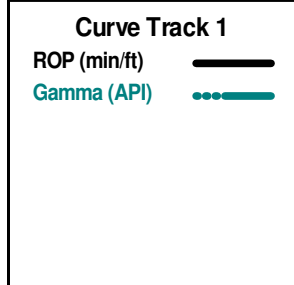
 Even
 Spotted
 Ques
 Dead

EVENT

 Rft
 Sidewall

INTERVAL

 Dst
 Dst_alt

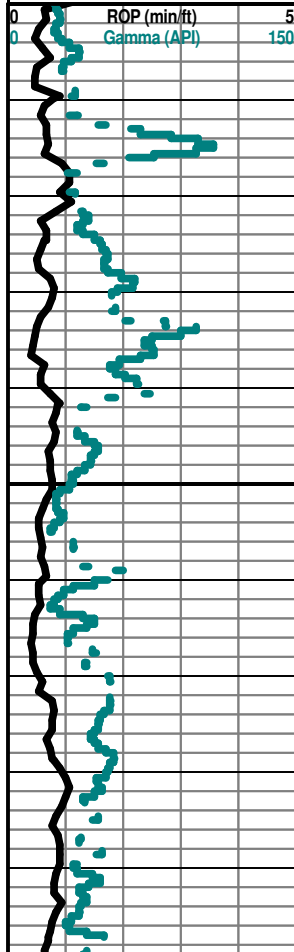
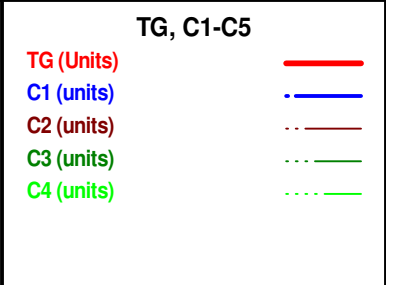


Depth

Lithology

Oil Shows

Geological Descriptions



Depth

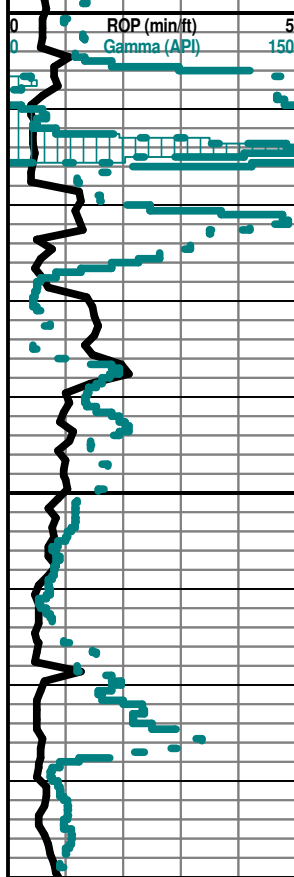
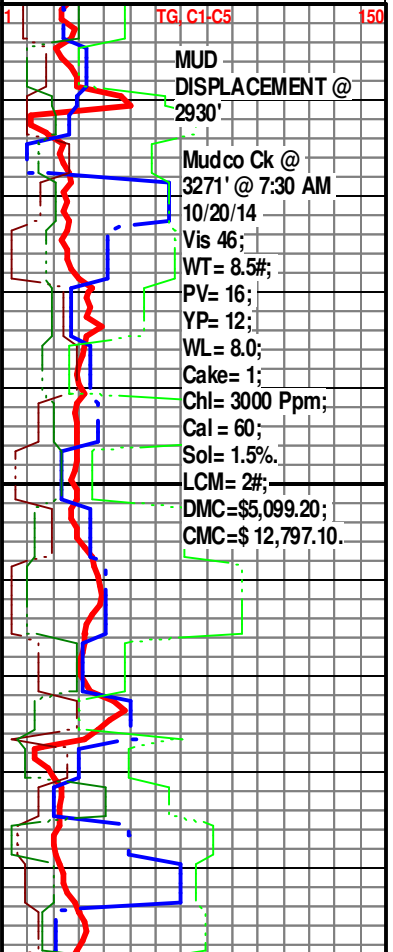
Lithology

Oil Shows

McCOY PETROLEUM CORPORATION
WHITAKER "A" # 1-8
SPOT: 1980' FSL & 660' FWL
NW - SW
Sec. 8 - T. 30 S. - R. 30 W.
MEADE COUNTY, KANSAS
A.P.I. # 15 - 119 - 21,375 - 00 - 00
ELEVATION : 2825' K. B. ; 2814' G. L.
CONTRACTOR: STERLING DRILLING - RIG # 2
Geologist: David P. Williams, P. G.
 Geologist on location @ (4003') 7:15 PM 10-20-14

STONE CORRAL ANHYDRITE SAMPLE TOP = 1754' (+1067).
 STONE CORRAL ANAYDRITE SAMPLE BASE = 1770' (+1055).

Deviation Survey's Taken: @ 1830' = 1 degree; @ 5700' = 3/4 degree.



Depth

Lithology

Oil Shows

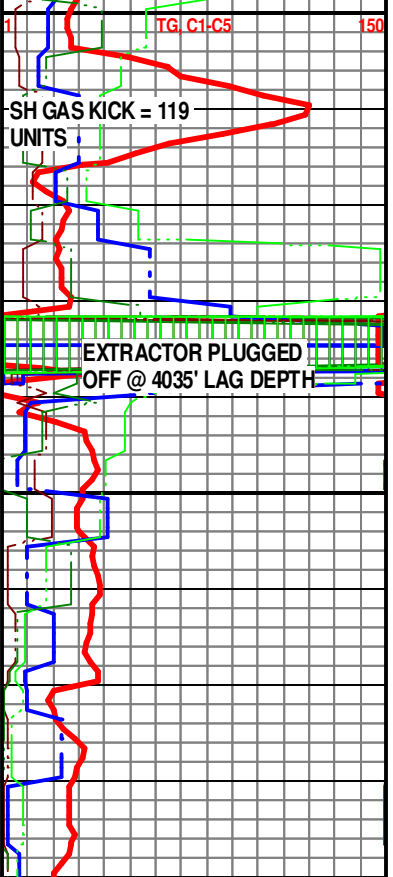
Note: All samples have been lagged to depth by calculated time.

Begin 31' "Kelly Down" Sample Examination @ 4050'.

Ls Wht-Crm-Gry FxIn Med OOM Por Poor Develop Poor Dissolu Poor Leaching Grad Micrite Barren Grad Poor Pin-Pt IxIn Por Chalk Sh Blk Carb-Char-Gry Soft No Odor No Stn No Flor NS

Ls Wht-Crm-Gry FxIn Med OOM Por Poor Develop Poor-Med Dissolu Poor Leaching Grad Micrite (w/Pyr Includ) Barren Grad Poor Pin-Pt IxIn Por Chalk Sh Blk Carb-Char-Gry Fissil-Soft No Odor No Stn No Flor NS

Ls Gry-Crm FxIn Micrite Barren Grad Poor Pin-Pt IxIn Por Grad Fair OOM Por Poor Develop Poor Dissolu Poor Leaching Chalk Sh Char-Gry-Red-Maroon Soft No Odor No Stn No Flor NS



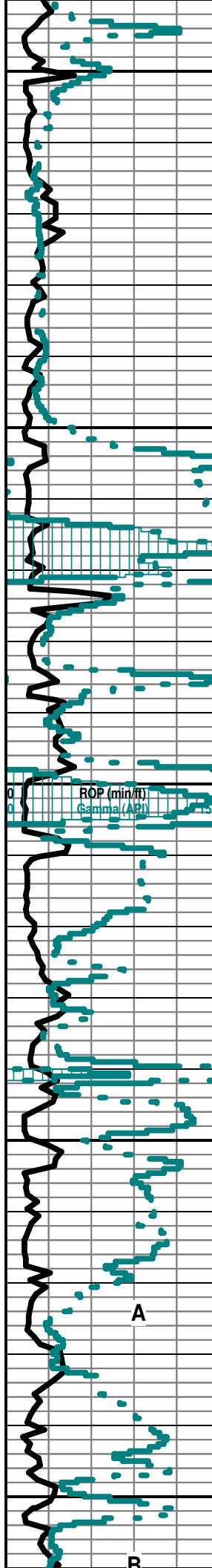
4100

4150

4200

4250

4300



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

Sh Blk Carb-Char-Gry-Maroon Fissil Ls Crm-Tan FxIn Dns Micrite (w/Pyr
 Includ) Grad Pin-Pt IxIn Por No Odor No Stn No Flor NS

HEEBNER 4198' (- 1373)

Sh Blk Carb-Char-Gry Soft-Fissil Ls Wht-Crm-Gry FxIn Dns Micrite Grad
 Pin-Pt IxIn Por Pyr Mass Chalk No Odor No Stn No Flor NS

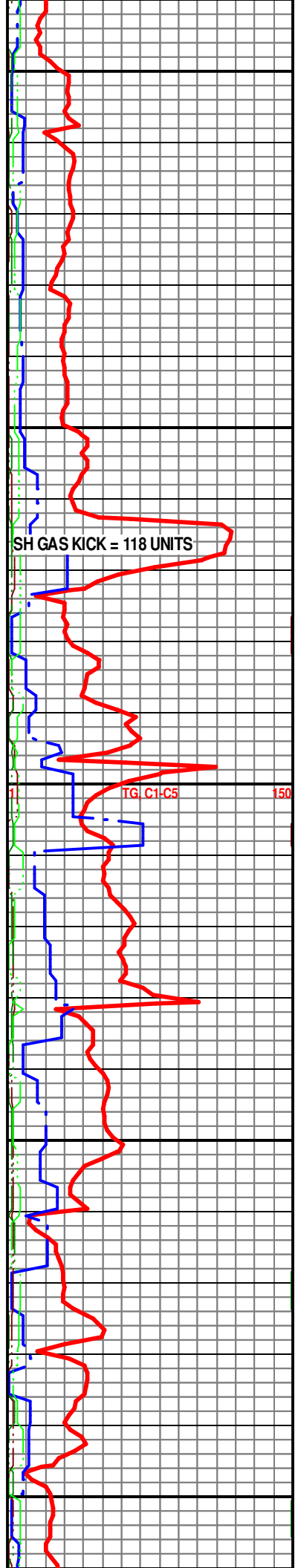
TORONTO 4218' (- 1393)

DOUGLAS 4240' (- 1415)

Sh Blk Carb-Char-Gry Fissil-Soft Ls Crm-Tan-Gry FxIn Dns Micrite Grad
 Pin-Pt IxIn Por Pyr Mass Chalk No Odor No Stn No Flor NS

LANSING 4267' (- 1442)

Ls Wht-Crm-Tan-Gry MicroIxIn Dns Micritic (w/Pyr Includ) Barren Grad Poor
 Pin-Pt IxIn Por Barren Pyr Mass Chalky Sh Char-Gry Soft-Fissil No Odor No
 Stn No Flor NS



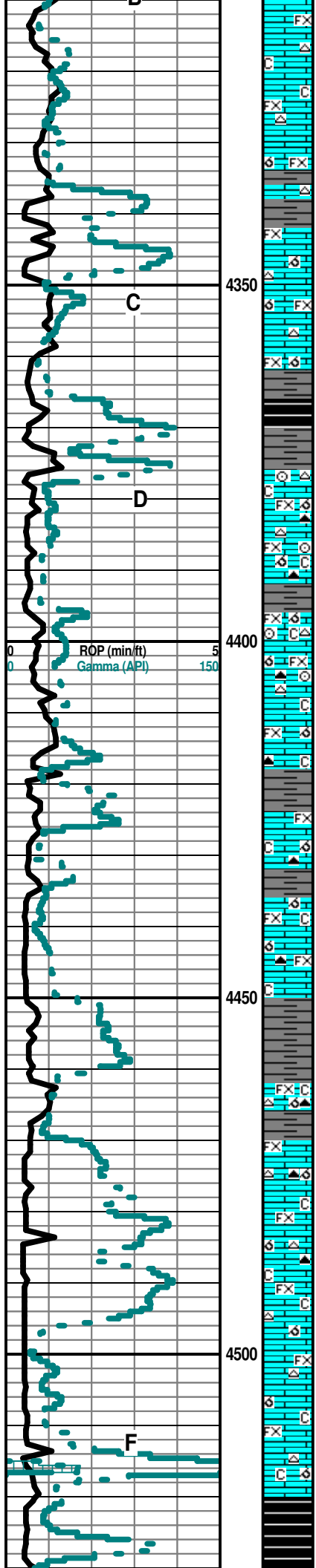
SH GAS KICK = 118 UNITS

TG C1-C5

150

A

B



Ls Wht-Crm-Gry Fxln Micrite Barren Grad Poor Pin-Pt Ixln Por Cht
 Amber-Whi-Tan Translu-Op Shp Vit Chalk Sh Char-Gry Fissil Soft No Odor
 No Stn No Flor NS

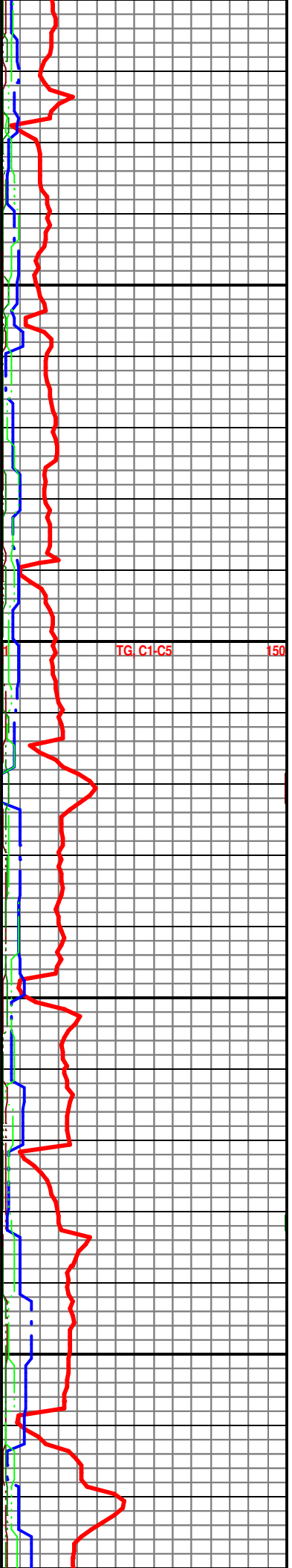
Sh Blk-Carb-Char-Gry Fissil-Soft Ls Wht-Crm-Gry Fxln Micrite Barren Grad
 Fair-Med Pin-Pt Ixln Por Grad Poor OOM Por Poor InterOOM Por Barren Cht
 Wht-Tan Translu-Op Shp Vit Chalk No Odor No Stn No Flor NS

Ls Wht-Crm-Gry Fxln Micrite Barren Grad Fair-Med Pin-Pt Ixln Por Grad Poor
 OOM Por Poor InterOOM Por Barren Chalk Cht Amber- Tan-Gry Translu-Op
 Shp Vit Fos (Crin) Sh Char-Gry-Maroon Fissil-Soft No Odor No Stn No Flor
 NS

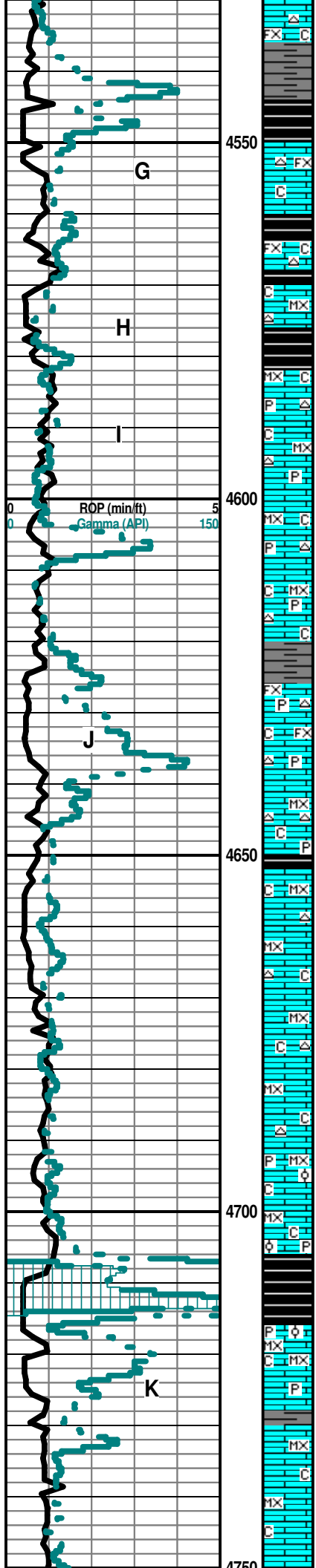
Ls Wht-Crm-Tan-Gry Fxln Dns Micrite Poor Ixln Por Barren Cht
 Amber-Whi-Tan Translu-Op Shp Vit Chalky Sh Blk Carb-Char-Gry Fissil No
 Odor No Flor No Stn NS

Ls Wht-Crm-Tan-Gry Fxln Poor OOM Por Poor InterOOM Por Barren Chalk
 Cht Amber-Whi Translu-Op Shp Vit Sh Char-Gry Soft-Fissil No Odor No Stn
 No Flor NS

Sh Char-Gry-Blk Carb Soft-Fissil Ls Crm-Tan-Gry Fxln Dns Micrite Poor Ixln
 Por Barren Cht Wht-Tan (w/OOid Includ)Gry Translu-Op Shp Vit Chalky No
 Odor No Flor No Stn NS



TG, C1-C5 150



LANSING "G" 4550' (- 1725)

Ls Crm-Tan-Gry Fxn Dns Micrite Poor Ixln Por Barren Cht Wht- Gry
 Translu-Op Shp Vit Chalk Sh Blk Carb-Char-Gry Soft-Fissil No Odor No Flor
 No Stn NS

Ls Wht-Crm-Tan Microxln Dns Micrite (w/Pyr Inclus) Chalky Cht Gry-Tan
 Translu-Op Shp Vit Sh Char-Gry Soft No Odor No Flor No Stn NS

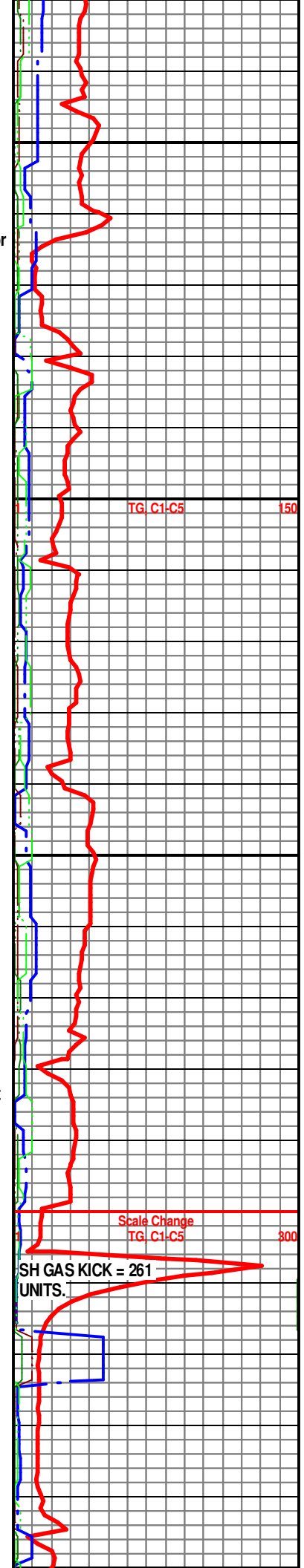
Ls Wht-Crm-Tan Microxln Dns Micrite (w/Pyr Inclus) Chalky Cht Gry-Tan
 Translu-Op Shp Vit Sh Blk Carb-Char-Gry Soft No Odor No Flor No Stn NS

Ls Wht-Crm-Gry Microxln Dns Micrite Cht Gry Op Shp Vit Sh Char- Gry Soft
 Chalky No Odor No Stn No Flor NS

STARK SHALE 4706' (- 1881)

KANSAS CITY "SWOPE" (K) 4716' (-1891)

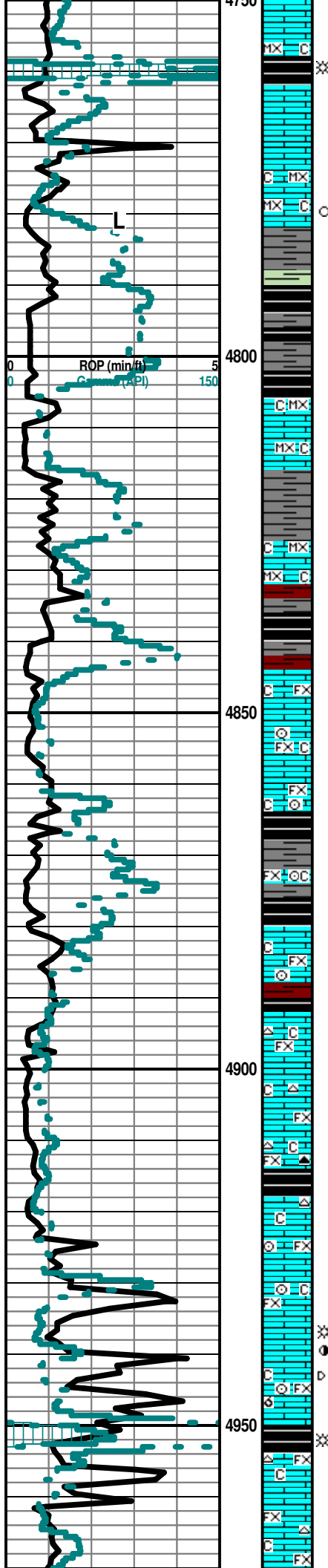
Sh Blk Carb-Char Fissil (w/SG) V Abd Ls Wht-Crm-Tan-Brn Microxln Dns
 Micrite (w/Pyr Inclus) Grad Poor OOM Por (w/Small OOids in pl) Poor
 Develop Poor Leaching Pyr Mass Chalky No Odor No Stn No Flor SG



TG C1-C5 150

Scale Change
 TG C1-C5 300

SH GAS KICK = 261
 UNITS.



HUSHPUCKNEY SHALE 4759' (- 1934)

KANSAS CITY "HERTHA (L)" 4762' (- 1944)

Sh Blk Carb Fissil (V Abd) (w/GSG) Ls Wht-Crm-Tan MicroIn Dns Micrite Chalk No Odor No Stn No Flor NS

KANSAS CITY "HERTHA Ø" 4774' (-1949)

Sh Blk Carb-Char-Gry Fissil V Abd Ls AA Chalky No Odor No Stn No Flor NS

MARMATON 4844' (- 2019)

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

MARMATON "B" 4880' (- 2055)

Sh Blk Carb-Char-Gry- Maroon-Aqua Soft-Fissil Ls Crm-Wht-Tan FxIn Poor IxIn Por Micritic Dns Barren Grad FxIn Fos (Crin) V Abd Chalk No Odor No Flor No Stn NS

Ls Crm-Wht-Gry FxIn Poor IxIn Por Micritic Dns Barren Cht Amber-Tan Translu-Op Shp Vit Chalk Sh Char-Gry Soft-Fissil No Odor No Flor No Stn NS

Ls Wht-Crm FxIn Micrite Grad Fair Pin-Pt IxIn Por (w/Chalky Inklus) SSG & SSO (Drk Blk w/Broken Under Heat in Wtr) Both Oil & Gas Do Not Flor Grad Tr Poor OOM Por Barren Fos (Crin) Sli Faint ? Odor SSG & SSO

BANDERA SHALE 4950' (- 2125)

PAWNEE 4954' (- 2129)

? GAS KICK = 89 UNITS

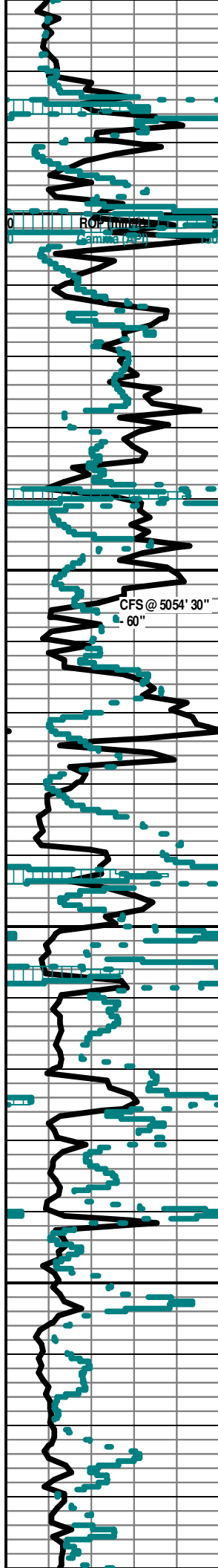
TG C1-C5 300

@ 4892' LAG DEPTH GAS TEST EXTRACTOR = 72 UNITS OBSERVED.

Scale Change TG C1-C5 300

RE-ZERO TOOKE DAQ @ 4940' LAG DEPTH. BKGD GAS SET AT 12 UNITS,

TOOKE DAQ LEFT ON TEST PORT FROM



Sh Blk Carb-Char-Gry Fissil Ls Crm-Wht Fxln Poor Ixln Por Micritic Dns
 Barren Cht Amber Translu Shp Vit Chalk Sh Char-Gry Fissil No Odor No
 Flor No Stn NS

LABETTE SHALE 4986' (- 2161)

FORT SCOTT 4990' (-2165)

CHEROKEE SHALE 5000' (- 2175)

Sh Blk Carb-Char-Gry Fissil Ls Crm-Wht Fxln Poor Ixln Por Micritic Dns
 Barren Chalk No Odor No Flor No Stn NS

SECOND CHEROKEE SHALE 5038' (- 2213)

30" CFS @ 5054' Sh Blk Carb-Gry Fissi Ls Wht-Crm Fxln Poor Ixln Por
 Micritic Dns (w/Pyr Inclus) Barren Chalk Cht Amber Op Shp Vit I No Odor No
 Flor No Stn NS

60" CFS @ 5054' Ls Wht-Crm Fxln Poor Ixln Por Micritic Dns (w/Pyr Inclus)
 Barren Chalk Cht Amber Op Shp Vit Sh Blk Carb-Gry Fissil No Odor No Flor
 No Stn NS

Sh Blk Carb (w/SG)-Char-Gry Fissil Ls Wht-Crm-Tan MicroIn-Fxln Poor Ixln
 Por Micritic Dns Barren Chalk Wht Soft No Odor No Flor No Stn NS

THIRD CHEROKEE SHALE 5092' (- 2267)

Ls Crm-Wht-Tan Fxln Poor Ixln Por Micritic Dns Barren Chalk Wht Soft
 Cht-Wht-Amber Op Shp Vit Sh Blk Carb-Gry Fissil No Odor No Flor No Stn
 NS

Ls Crm Fxln Poor Ixln Ppt Por (w.Chalk Inclus) (w/SSG & SSO)
 Cht-Wht-Amber Op Shp Vit Sh Blk Carb-Gry Fissil Faint Odor No Flor Lt Bm
 Stn (6 Pcs) VSSG & VSSO

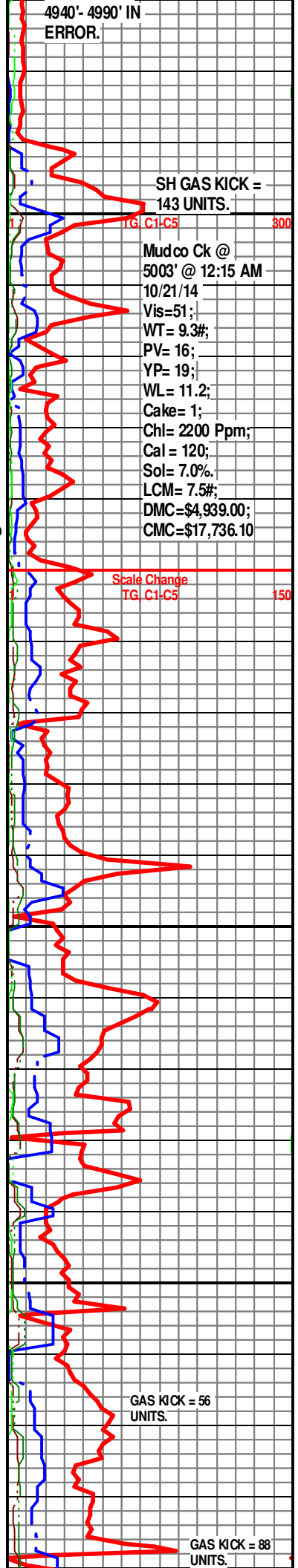
Begin 10' Sample Examination @ 5200'.

Sh Char-Gry-Tr Blk Carb Fissil Abd Ls Crm-Wht-Tan Fxln Poor Ixln Por
 Micritic Dns Barren Chalk No Odor No Flor No Stn NS

Ls Crm-Wht-Tan Fxln Poor Ixln Por Micritic Dns Barren Grad Poor OOM Por
 (w/Small OOids in pl) Poor Dissolu Poor Leaching Chalk Sh Char-Gry-Tr Blk
 Carb Fissil No Odor No Flor No Stn NS

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

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



4940' - 4990' IN
 ERROR.

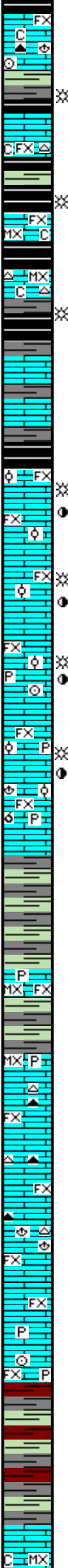
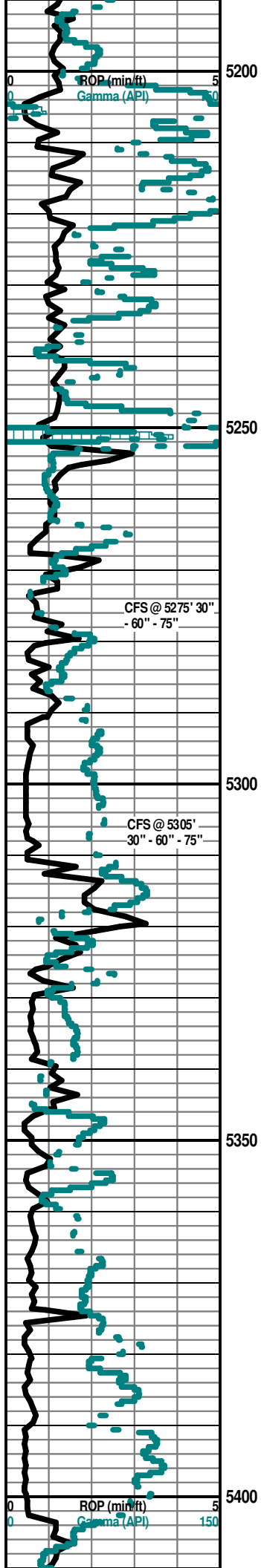
SH GAS KICK =
 143 UNITS.

Mudco Ck @
 5003' @ 12:15 AM
 10/21/14
 Vis=51;
 WT= 9.3#;
 PV= 16;
 YP= 19;
 WL= 11.2;
 Cake= 1;
 Chl= 2200 Ppm;
 Cal = 120;
 Sol= 7.0%
 LCM= 7.5#;
 DMC=\$4,939.00;
 CMC=\$17,736.10

Scale Change
 TG C1:C5

GAS KICK = 56
 UNITS.

GAS KICK = 88
 UNITS.



Ls Crm-Wht-Ian FxIn Poor IxIn Por Micritic Dns Barren Chalk Cht Drk Blk-Wht Op Shp Vit Fos (Brach, Crin) Sh Char-Gry-Tr Blk Carb Fissil No Odor No Flor No Stn NS

ATOKA SHALE 5204' (- 2379)

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

Sh Blk Carb-Char-Grn/Gry Fissil-Soft Ls Crm-Wht-Tan MicroIn- FxIn Poor IxIn Por Micritic Dns Barren Chalk Cht Lt Gry-Amber Translu-Op Shp Vit No Odor No Flor No Stn NS

Sh Blk Carb-Char-Grn/Gry Fissil-Soft Ls Crm-Wht-Tan MicroIn- FxIn Poor IxIn Por Micritic Dns Barren Chalk Cht Lt Gry-Amber Translu-Op Shp Vit Fos No Odor No Flor No Stn NS

30" CFS @ 5275' Sh Char-Gry-Blk Carb Soft-Fissil Ls Crm-Wht-Tan MicroIn-FxIn Poor IxIn Por Micritic Dns Barren Chalk Cht Wht Op Shp Vit No Odor No Flor No Stn NS

MORROW SHALE 5248' (- 2423)

MISSISSIPPIAN CHESTER 5254' (- 2429)

60" CFS @ 5275' Ls Crm-Tan FxIn Fair-Med OOL Vug Por (w/Small-Med OOids in pl) Grad Med-Good IxIn Pin-Pt Por (V Soft & Frac Por) Med SG & SO (Gas & Oil Do Not Flor) (MSG & MSFO w/Broken In Wtr Under Heat & SFO in tray) V Faint ? Odor Drk Brn Stn (on OOid Edges) No Flor MSG & MSO

75" CFS @ 5275' Ls Crm-Tan FxIn Fair-Med OOL Vug Por AA Grad Med-Good IxIn Pin-Pt Por AA Med SG & SO (Gas & Oil Do Not Flor Faint ? Odor Drk Brn Stn No Flor GSG & GSO

60" CFS @ 5305' Ls Crm-Tan FxIn (w/Pyr Inclus) Fair OOL Vug IxIn & Fos Por (w/Small OOids in pl) Fair Dissolu Fair Leaching Fos (Crin) Friable Pyr Mass SG & SFO AA ? Sli Odor Lt Brn Stn No Flor SSG & SSO

75" CFS @ 5305' Ls Crm-Tan FxIn Fair-Med OOL Vug Por (w/Small OOids in pl) Grad Fair IxIn Pin-Pt Por (w/Pyr Inclus) Grad Poor Vug OOM Por (w/SSG & SSO) Fair InterOOM Por Fos (Brach) Sh Blk Carb-Char-Aqua Fissil Inc. ? Faint Odor Fair Sat Stn (Lt Brn) No Flor FSG & SSO

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

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

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

Ls Wht-Crm FxIn Micrite Grad Fair IxIn Por Barren Cht Amber Translu Vit Shp Sh Char-Drab Gry-Blk Carb Soft-Fissil Abd No Odor No Stn No Flor NS

Ls Wht-Crm FxIn Micrite Grad Fair IxIn Por Barren Cht Amber Translu Vit Shp Sh Char-Drab Gry-Blk Carb Soft-Fissil Abd No Odor No Stn No Flor NS

Ls Wht-Crm FxIn Micrite Grad Fair IxIn Por Barren Cht Amber Translu Vit Shp Fos (Brach) Sh Char-Drab Gry-Blk Carb Soft-Fissil Abd No Odor No Stn No Flor NS

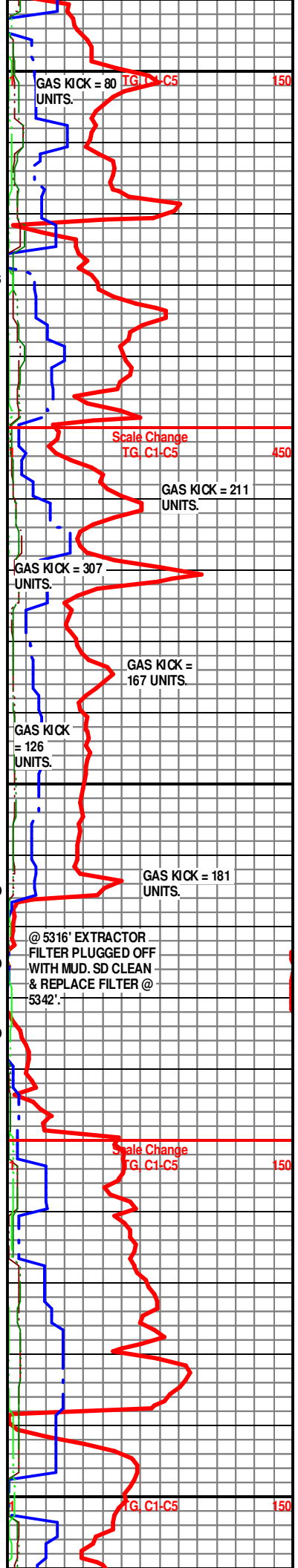
Ls Wht-Crm-Gry FxIn Dns Micrite (w/Pyr Inclus) Grad Fair Pin-Pt IxIn Por Sh Char-Gry-Drab Grn-Blk Carb-Aqua Fissil No Odor No Flor NS

Ls Wht-Crm-Gry FxIn Dns Micrite Grad Fair Pin-Pt IxIn Por Fos (Crin) Pyr Mass Sh Char-Gry-Drab Grn-Blk Carb-Aqua Fissil No Odor No Flor NS

Sh Char-Gry-Drab Grn-Blk Carb-Maroon-Red-Aqua (Wash Red) Fissil Ls Wht-Crm-Gry FxIn Dns Micrite Grad Fair Pin-Pt IxIn Por No Odor No Flor NS

LOWER CHESTER 5404' (-2579)

Sh Red-Maroon-Char-Aqua-Grn/Gry Soft-Fissil (Wash Red) V Abd Ls AA FxIn-MicroIn Dns Micrite Barren Chalk No Odor No Stn No Flor NS



Sh Red-Maroon-Char-Aqua-Grn/Gry Soft-Fissil (Wash Red) V Abd Ls AA
FxIn-MicroxIn Dns Micrite Barren Chalk No Odor No Stn No Flor NS

Sh Red-Maroon-Char-Aqua-Grn/Gry Soft-Fissil (Wash Red) V Abd Ls AA
FxIn-MicroxIn Dns Micrite Barren Chalk No Odor No Stn No Flor NS

MISSISSIPPIAN "Ste. GEN" 5440' (- 2615)

Ls Wht-Lt Aqua (in Aqua CaCo3 Matrix) FxIn Poor OOL Por (w/V Small
OOids in pl) "Sandy OOL Ls" Friable Grad Dolo Gry MicroxIn Dns Micritie
Chalk Sh Char-Blk Carb-Gry-Grn-Aqua-Maroon Soft- Fissil No Odor No Flor
No Stn NS NS

Ls Wht-Gry (w/CaCo3 Matrix) FxIn Poor OOL Por (w/V Small OOids in pl) "Sandy OOL Ls"
Friable Grad Dolo Gry MicroxIn Dns Micritie Chalk Sh Char-Blk Carb-Gry-Grn-Aqua-Maroon
Soft- Fissil No Odor No Flor No Stn NS NS

Ls Wht-Gry FxIn Poor OOL Por (w/V Small OOids in pl) Friable Grad Dolo Gry MicroxIn Dns
Micritie Chalk Sh Char-Blk Carb-Gry-Grn- Aqua-Maroon Soft- Fissil No Odor No Flor No Stn NS
NS

Ls Wht-Gry FxIn Poor OOL Por (w/V Small OOids in pl) Friable Grad Dolo Gry MicroxIn Dns
Micritie Chalk Sh Char-Blk Carb-Gry-Grn- Aqua-Maroon Soft- Fissil No Odor No Flor No Stn NS
NS

Ls Wht-Gry FxIn Poor OOL Por (w/V Small OOids in pl) Friable Grad Dolo Gry MicroxIn Dns
Micritie Cht Wht Op Shp Vit Chalk Sh Char-Blk Carb-Gry-Grn-Aqua-Maroon Soft- Fissil No
Odor No Flor No Stn NS NS

Ls Wht-Gry FxIn Poor OOL Por (w/V Small OOids in pl) Friable Grad Dolo Gry MicroxIn Dns
Micritie Cht Drk Brown (Banded w/Spicule Incls) Translu-Op Shp Vit Chalk Sh Char-Blk
Carb-Gry-Grn-Aqua-Maroon Soft- Fissil No Odor No Flor No Stn NS NS

Ls Wht-Gry FxIn Poor OOL Por (w/V Small OOids in pl) AA Grad Micritic Cht
Wht Op Shp Vit Chalk Sh Varicolored Char-Blk Carb-Gry-Grn-Aqua-Maroon
Soft- Fissil No Odor No Flor No Stn NS NS

GAS KICK =
68 UNITS

Ls Wht-Crm-Lt Gry MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Poor OOL
IxIn Ppt Por Sh Char-Blk Carb-Lt Gry-Aqua Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Lt Gry MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Poor OOL
IxIn Ppt Por Sh Char-Blk Carb-Lt Gry-Aqua Fissil No Odor No Stn No Flor NS

Ls Wht-Gry FxIn Poor OOL Por (w/V Small-Med OOids in pl) AA Grad
Micritic Cht Wht Op Shp Vit Chalk Sh Varicolored Char-Blk
Carb-Gry-Grn-Aqua-Maroon Soft- Fissil No Odor No Flor No Stn NS NS

GAS KICK =
42 UNITS

Ls Wht-Gry FxIn Poor OOL Por (w/V Small-Med OOids in pl) AA Grad Micritic Cht Wht Op Shp
Vit Chalk Sh Varicolored Char-Blk Carb-Gry-Grn-Aqua-Maroon Soft- Fissil No Odor No Flor No
Stn NS NS

Ls Wht-Gry FxIn Poor OOL Por (w/V Small-Med OOids in pl) AA Grad Micritic Cht Wht Op Shp
Vit Chalk Sh Varicolored Char-Blk Carb-Gry-Grn-Aqua-Maroon Soft- Fissil No Odor No Flor No
Stn NS NS

MISSISSIPPIAN "ST. LOUIS Ø" 5564' (- 2739)

Ls Wht-Gry FxIn Poor OOL Por (w/V Small-Med OOids in pl) AA Grad Micritic Cht Wht Op Shp
Vit Chalk Sh Varicolored Char-Blk Carb-Gry-Grn-Aqua-Maroon Soft- Fissil No Odor No Flor No
Stn NS NS

GAS KICK =
60 UNITS

Ls Wht-Gry FxIn Poor OOL Por (w/V Small-Med OOids in pl) AA Grad Micritic Cht Wht Op Shp
Vit Chalk Sh Varicolored Char-Blk Carb-Gry-Grn-Aqua-Maroon Soft- Fissil No Odor No Flor No
Stn NS NS

Ls Wht-Gry MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Poor InterOOL Por (w/Small-Med
OOids in pl) Friable Grad Med OOL Por Cht Wht-Peach Translu-Op Shp Vit Chalky Sh Char-Blk
Carb-Gry Fissil No Odor No Stn No Flor NS

Ls Wht-Gry MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Poor InterOOL Por
(w/Small-Med OOids in pl) Friable Grad Med OOL Por Cht Peach Translu-Op
Shp Vit Chalky Sh Char-Blk Carb-Gry-Aqua Fissil No Odor No Stn No Flor
NS

Ls Gry-Crm-Wht MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Gry (w/Fos
(Crin) incls) Poor-Fair InterOOL Por (w/V Small-Med OOids in pl) Friable Cht
Wht Op Shp Vit (w/Tr Gillsonitic "Dead" Blk Stn Sh Char-Blk Carb-Aqua-Gry
Fissil No Odor No Stn No Flor NS

TG C1-C5

150

Ls Gry-Crm-Wht MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Poor-Fair
InterOOL Por (w/V Small-Med OOids in pl) Friable Sh Char-Blk Carb-Drab
Grn Fissil No Odor No Stn No Flor NS

Ls Gry-Crm-Wht MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Gry (w/OOL
incls) Poor-Fair InterOOL Por (w/V Small-Med OOids in pl) Friable Cht Op
Shp Vit Sh Char-Blk Carb-Aqua-Gry Fissil No Odor No Stn No Flor NS

5450

5500

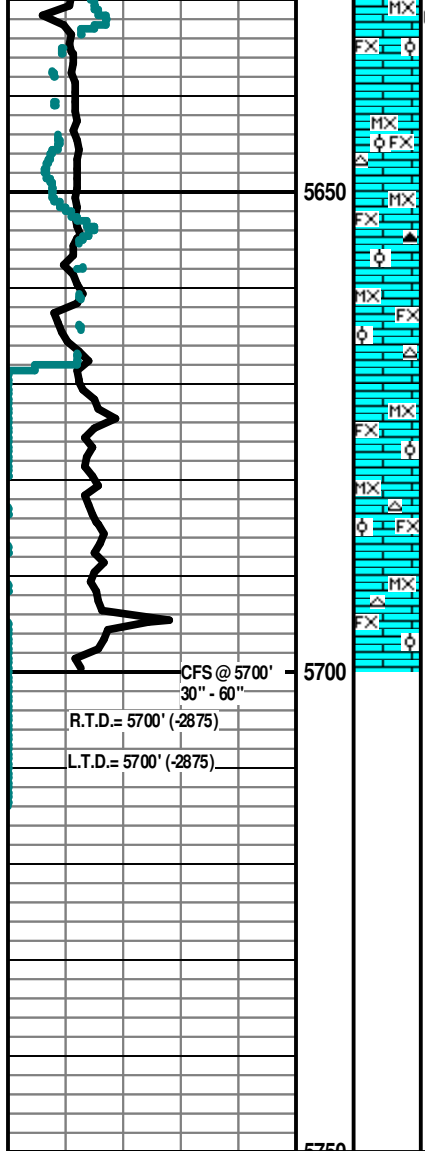
5550

5600

ROP (min/ft)
Gamma (API)

5

150



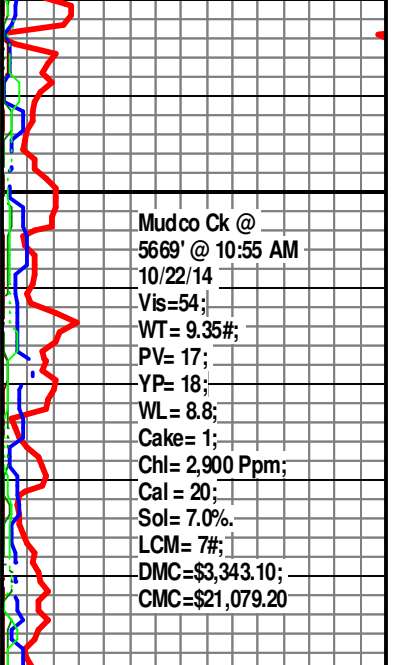
Ls Gry-Crm-Wht MicroIn-FxIn Poor IxIn Por Dns Micrite Grad Poor-Fair InterOOL Por (w/V Small OOids in pl) Friable Sh Char-Blk Carb-Gry Fissil No Odor No Stn No Flor NS

Ls Gry-Crm-Wht MicroIn-FxIn Poor IxIn Por Dns Micrite Grad Poor-Fair InterOOL Por (w/V Small OOids in pl) Friable Cht Wht Op Shp Vit Sh Char-Blk Carb-Aqua-Gry Fissil No Odor No Stn No Flor NS

Ls Gry-Crm-Wht MicroIn-FxIn Poor IxIn Por Dns Micrite Grad Tr Poor InterOOL Por (w/V Small OOids in pl) Friable Cht Amber Translu Shp Vit Pyr Mass Sh Char-Blk Carb-Aqua-Gry Fissil No Odor No Stn No Flor NS

30" CFS @ 5700' Ls Gry-Crm-Wht MicroIn-FxIn Poor IxIn Por Dns Micrite Grad Tr Poor InterOOL Por (w/V Small OOids in pl) Friable (w/Lg Indiv OOid in pl) Cht Wht Op Shp Vit Sh Char-Blk Carb-Aqua- Gry Fissil No Odor No Stn No Flor NS

60" CFS @ 5700' 60" CFS @ 5700' Ls Crm-Gry-Wht MicroIn-FxIn Poor IxIn Por Dns Micrite Grad Tr Poor InterOOL Por (w/V Small OOids in pl) Friable (w/Lg Indiv OOid in pl) Cht Wht Op Shp Vit Sh Char-Blk Carb-Aqua-Gry Fissil No Odor No Stn No Flor NS



Mudco Ck @
 5669' @ 10:55 AM
 10/22/14
 Vis=54;
 WT= 9.35#;
 PV= 17;
 YP= 18;
 WL= 8.8;
 Cake= 1;
 Chl= 2,900 Ppm;
 Cal = 20;
 Sol= 7.0%
 LCM= 7#;
 DMC=\$3,343.10;
 CMC=\$21,079.20

CFS @ 5700'
 30" - 60"
 R.T.D.= 5700' (-2875)
 L.T.D.= 5700' (-2875)

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

Geologist Left Location At: 12:30 PM on 10/23/2014